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SONY

ハードディスク搭載DVDレコーダー DESR-7100/DESR-5100



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ハードディスク搭載DVDレコーダー取扱説明書

DESR-7100
DESR-5100



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Please be sure to read it

How to read this manual

- In the instruction manual (this document), explanations using the buttons on the remote control are mainly provided.
- The screen illustrations used in the instruction manual (this document) and the actual screens Your screen may vary.
- The illustrations in the instruction manual (this document) are for the DESR-7100. I'm using

This unit is for use in Japan only.

When playing back a DVD video on this unit and recording it on another device, the recording operation may stop or recording may be restricted. This is due to the copy protection applied to DVD videos. by altering or removing this copy protection

Recording DVD videos, even for personal use, is prohibited by law.

Access control is applied to this machine. Non-dedicated software, excluding DVD videos and music CDs, and copies of dedicated software cannot be used on this unit under this access control. The law prohibits the transfer, delivery, display, export, import, or transmission of this access control override device or program, or of any machine that incorporates this access control override device.

The operating method of this unit may differ from that of "PlayStation" or "PlayStation 2".

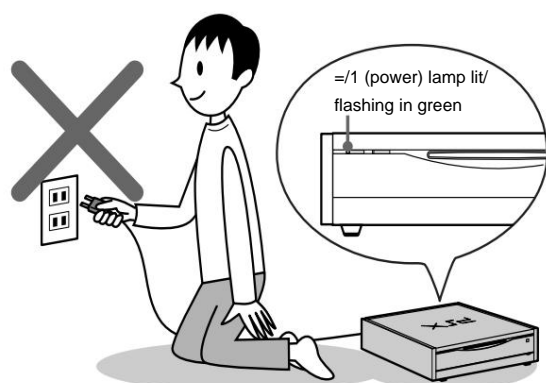
Handling of this machine

About starting and shutting down this unit In

order to optimize the entire system, this unit is designed to operate after pressing the $\neq/1$ (power) switch on the main unit when the power is turned on and off until it actually starts up.

It takes a while until the power is actually turned off. Never disconnect the power cord when the $\neq/1$ (power) indicator on the main unit is lit or flashing green. If you remove the power supply while the $\neq/1$ (power) lamp on the main unit is lit or blinking, the built-in hard disk of the unit will be damaged and the unit will become unusable.

may become



Handling the hard disk Since the hard

disk has a high recording density, you can enjoy long-time recording and quick cue playback. On the other hand, it is necessary to avoid using it near dust, shock, vibration, and magnetized objects. The hard disk has a built-in safety mechanism to protect recorded image data, but please note the following points so as not to lose important data.

- Do not give a shock to the machine.
- Do not use in a vibrating or unstable location.
- Do not move the unit while the power plug is plugged into the outlet.
- When the power is on, remove the power plug from the outlet. not.
- Do not use in places with rapid temperature changes (changes of 10°C or more per hour). do not do.
- Do not replace or expand the hard disk by yourself, as this may cause failure.

We cannot compensate for recorded contents under any circumstances, including when the equipment fails for some reason. Use the hard disk as a temporary storage location until important image data is edited and dubbed to DVD .

Precautions for afterimage phenomenon

(image burn-in) Do not leave a still image such as a disc menu or the menu screen of this unit displayed on the TV screen for a long time. It may cause an afterimage phenomenon on the screen. Note that afterimages are particularly likely to occur on plasma display panel TVs or LCD TVs.

Handling of this unit •Use this

unit near an outlet. If a problem occurs while using this unit, immediately disconnect the plug from the outlet and turn off the power.

- Do not place in places with high humidity, dust, oily smoke, steam, or in direct sunlight. It may cause fire or electric shock. Especially, never use it near a bathroom or a humidifier.
- If cigarette smoke or fumigation pesticides get inside the unit, it may malfunction. It will be the cause.

Condensation

Condensation is a phenomenon in which moisture in the air adheres to a metal plate, etc., and forms water droplets. Condensation may form on the surface or inside of the unit when the unit is suddenly brought from a cold place to a warm place, or in a room that has just been heated, such as on a winter morning. If dew condensation occurs, do not turn on the power until the dew condensation disappears. Continuing to use the product as it is may cause a malfunction.

To clean the cabinet and panel surfaces, wipe them with a soft cloth moistened with a little neutral detergent. Do not use thinner, benzene, alcohol, etc., as they will damage the surface.

Stereo Etiquette When listening to

music on a stereo, please listen at a volume that will not disturb your neighbors. Especially at night, even a small sound can pass through the surroundings. Please take care of sound by closing the windows, using headphones, etc., to maintain a pleasant living environment. This mark is for sound



It is a symbol mark.

Cleaning discs Do not use commercially available lens cleaning discs with this camera. Failure to do so may result in malfunction.

About recording and dubbing

In the case of important recording, be sure to make a trial recording in advance and make sure that the recording is performed normally. Please Confirm.

We cannot compensate for the recorded content .

If recording/editing is not possible for any reason, including disk defects, failures, repairs, replacements, and other external factors, recording/editing will not be possible. In any case, such as when the collected items are damaged or disappeared. However, we are not responsible for any compensation for recorded content or any damages that accompany it. In rare cases, images saved on the hard disk may be damaged due to unexpected problems during software update. and

Restrictions on recording and dubbing Do not

use this unit to record video that includes a "recording prohibited" copy control signal. cannot be drawn. Also, a copy of "can be recorded only once" Images that contain control signals cannot be recorded with this unit. However, dubbing to DVD is not possible. in the middle of the program contains a copy control signal that allows one-time recording, the The blue screen will be recorded to the DVD from here.

Copy control signal hard disk type	Dubbing from hard disk to DVD	
Recorded on disc		
Free recording Terrestrial broadcasting, etc.	○	○
Recordable only once BS digital broadcasting, etc.	○	×
recording prohibited DVD video, etc.	×	×

please note

Most terrestrial, BS, and 110-degree CS digital broadcast programs contain copy control signals. It is not possible to dub or move programs that include copy control signals such as "Record only once" or "Recording prohibited" to a DVD.

With "PSX", programs that can be recorded only once can only be recorded on the hard disk.

About copyright

- According to the copyright law, you cannot use what you have recorded with this unit for purposes other than personal enjoyment without permission from the copyright holder.
- This product incorporates copyright protection technology and is protected by US patents and other intellectual property rights owned by Macrovision Corporation and other copyright owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Disassembly or modification is also prohibited.
- This unit is equipped with a copy protection function (copy guard), and cannot record software or broadcast programs for which a copy restriction signal has been recorded by the copyright holder.
- This unit is equipped with a function that restricts the playback of unauthorized discs (pirated copies, etc.), and cannot play such discs.
- The program of the tuner connected to the external input of this unit may have a recording prevention function (copy guard). Note that some programs cannot be recorded in this case.
- This unit has a mode that allows you to select the screen size according to the screen of the connected TV. Depending on the setting items, the appearance of the original image may differ. Please keep this in mind when choosing the settings for this unit. If you use this unit for commercial purposes or for the purpose of viewing by the public at a coffee shop, hotel, etc., using the screen display function, you may violate the copyrights protected by the Copyright Act. Please be aware that there is a risk of infringing on rights.

The price of DESR-7100/5100 includes "private recording compensation". Compensation is stipulated by the Copyright Act to be paid to the right holder for protection of rights. Inquiries about private recording compensation
 ☎107-0052
 Akasaka Mitsutsuji Building 2F, 5-4-6 Akasaka, Minato-ku, Tokyo
 Private Recording Compensation Management Association
 TEL 03-3560-3107 (generation)
 FAX 03-5570-2560

About the game

Precautions when using game discs

Using a "PlayStation 2" standard software disc or a "PlayStation" standard software disc on other models may damage the device or damage the ears, eyes, or other parts of the body. Please do not do this as it may affect you.

- When inserting a "PlayStation 2" standard software disc or a "PlayStation" standard software disc into this unit, be sure to insert the disc into the disc slot with the label side (the side on which titles, etc. are printed) face up.

"PlayStation 2" standard software, "PlayStation "

The standard software disk is

NTSC	J
------	---

ation with the notation of

Only compatible with

Discs purchased overseas

This unit supports the NTSC color television system. purchase abroad entered

NTSC	U/C
------	-----

,

NTSC	C
------	---

 and

PAL

"PlayStation 2" standard CD-ROM and DVD-ROM with notes,

A "PlayStation" standard CD-ROM can not be used with this unit .

About "PSX" Certification

"PSX" "DNAS" (Dynamic Network Authentication

System), Sony Computer Entertainment Inc.'s proprietary software that enables copyright and security protection

I am using an authentication system. Deactivator for this system

or transfer, hand over, exhibit, export the program,

Importing or transmitting is prohibited by law.

vinegar. In addition, content compatible with "DNAS" can be used on other "PSX" or

It cannot be used on "PlayStation 2".

About discs

Precautions when handling discs

Do not touch the playback or recording surface when holding the disc.



Do not place in places with high temperature such as direct sunlight, or places with high humidity.

- Store discs in their cases.

- Always keep discs clean. Fingerprints and dust on the disc can cause distorted images and poor sound quality.

- When wiping a disc, use a soft cloth to gently wipe it from the center of the disc to the outside. If it is very dirty, wipe it with a soft cloth slightly moistened with water, and then wipe off the water with a dry cloth.



Do not use benzine, record cleaners, anti-static agents, etc. Please do not use it as it may damage the risk.

Do not write on the disc with a pencil or ballpoint pen. please.

Using the following discs may cause the unit to malfunction. may occur.

- Discs with paper or stickers
- Discs with adhesive sticking out or traces such as cellophane tape or rental disc labels
- specially shaped discs;

When adjusting the

volume, the disc is much quieter than the record. If you adjust the volume while listening to the noise of the part where no sound is present, such as when playing a record, an unexpectedly loud sound may be produced, which may damage the speakers. Always turn down the volume before starting playback.

About area codes (region codes)

The region number is indicated on the DVD-Video package.

If the area code contains "ALL" or "2", the

possible to live.



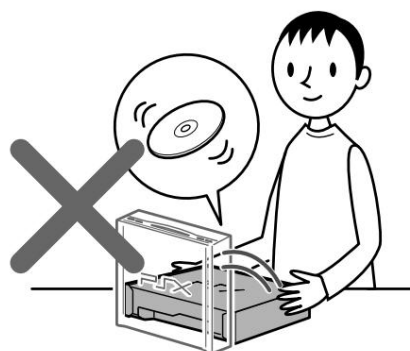
Notes on discs

- **Only** playback is supported for 8 cm discs.
- Please purchase a disc that has "for video" or "for video" written on the package .
- Data recorded on a computer that cannot be read by this unit may be deleted.
- Discs dubbed in the DVD-RW VR mode of this unit are It cannot be played on a normal DVD player. Playable only on DVD-RW (VR mode) compatible players.
- Discs dubbed with DVD+RW on this unit cannot be played on a normal DVD player. It can only be played on DVD+RW compatible players .
- DVD-RW/DVD-R or CD-R discs recorded by other DVD devices may not be playable due to scratches, dirt, recording conditions, recording equipment, CD/DVD software characteristics, etc. Also, discs that have not been properly finalized to record end information at the end of all recordings cannot be played. For details, please read the instruction manual of the recording device.
- This product is designed to play music discs that conform to the compact disc (CD) standard . Recently, some record companies are selling music discs equipped with technology for copyright protection.

Playback or capture may not be possible.

- Never move this unit with a disc inserted.

If you move the unit while the A (eject) lamp is lit, the disc may be scratched. Be sure to remove the disc before changing the orientation of the unit (vertical installation or horizontal installation).



Notes on playing DVD discs • CPRM*

compatible discs created on other devices cannot be played.

I can't

- **For** DVD videos, the playback status may be determined according to the intention of the software creator. Since this unit plays disc contents as intended by the software creator, some functions may not work as intended. Be sure to read the operating instructions supplied with the disc you are playing.

* CPRM (Content Protection for Recordable Media)

This is a technology that encrypts video materials to protect copyrights.

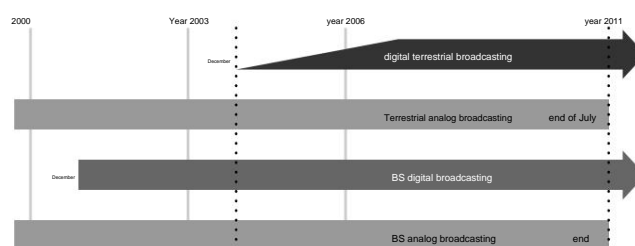
Notes on handling "Memory Stick"

- Put the "Memory Stick" in the included storage case when carrying or storing it.
- Do not touch the terminals of the "Memory Stick" or touch metal objects. please don't
- Do not give a strong impact or bend it.
- Do not drop the product.
- Do not disassemble or modify the product.
- Do not get it wet.
- Do not store in a hot place such as in a hot car or under the scorching sun. please don't
- **Do** not store in direct sunlight.
- Do not store in humid places or places with corrosive substances. please give me.

Transition from analog broadcasting to digital broadcasting

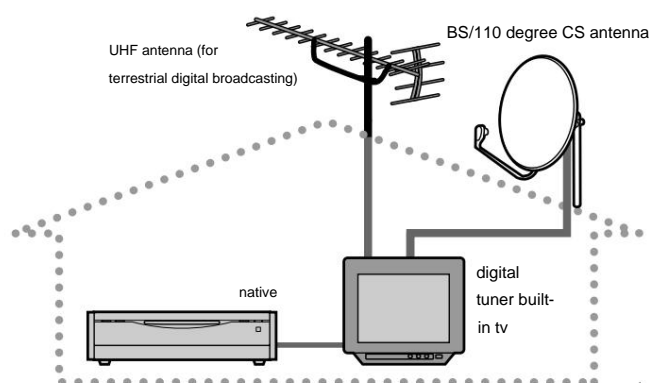
Transition Schedule to Digital Broadcasting

Digital terrestrial broadcasting began in December 2003 in part of the three major wide-areas of Kanto, Chukyo, and Kinki, and is scheduled to begin in other areas by the end of 2006. . The reception area in the relevant area is initially limited, but it is planned to be gradually expanded. The national policy is to end terrestrial analog broadcasting in July 2011 and BS analog broadcasting by 2011 .



Recording digital broadcasts with this

unit You can record digital broadcasts by connecting this unit to an optional digital tuner or a TV with a built-in digital tuner. Depending on the program, copy control signals may prevent recording or dubbing of recorded titles.



Prepare

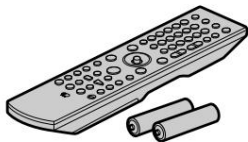
Preparation 1 Check the accessories

Prepare

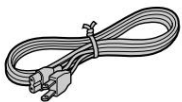
After opening the box, check that all accessories are included.

Remote control (1)

AA battery (2)



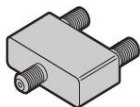
power cord (1)



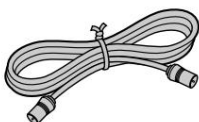
Video/audio code (1)



Antenna distributor (2)



Coaxial cable with F-type connector (4)



instruction manual

Preparation guide

warranty

For your safety

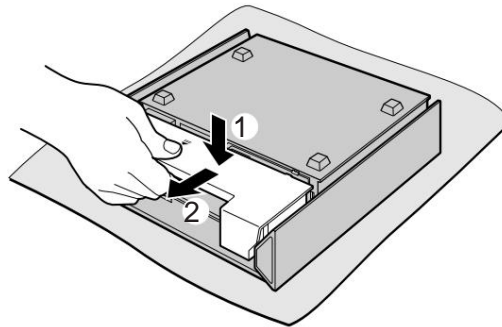
"PSX" chart

(1 copy each)

Step 2 Connect the antenna

See page 26 for caution

How to remove the cover on the bottom of the machine



Push 1 once, then pull 2 forward.

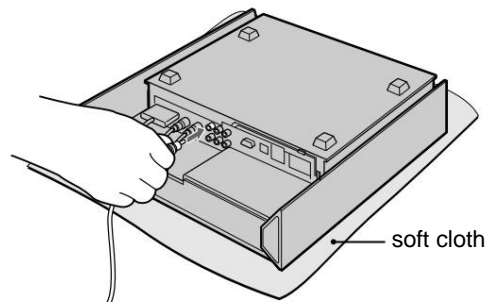
How to install when connecting

Install and connect the unit as shown in the diagram below only when making connections. please.

Connecting with the front side down may damage the front side, so be sure to place the unit on a soft cloth and connect it with the top side down.

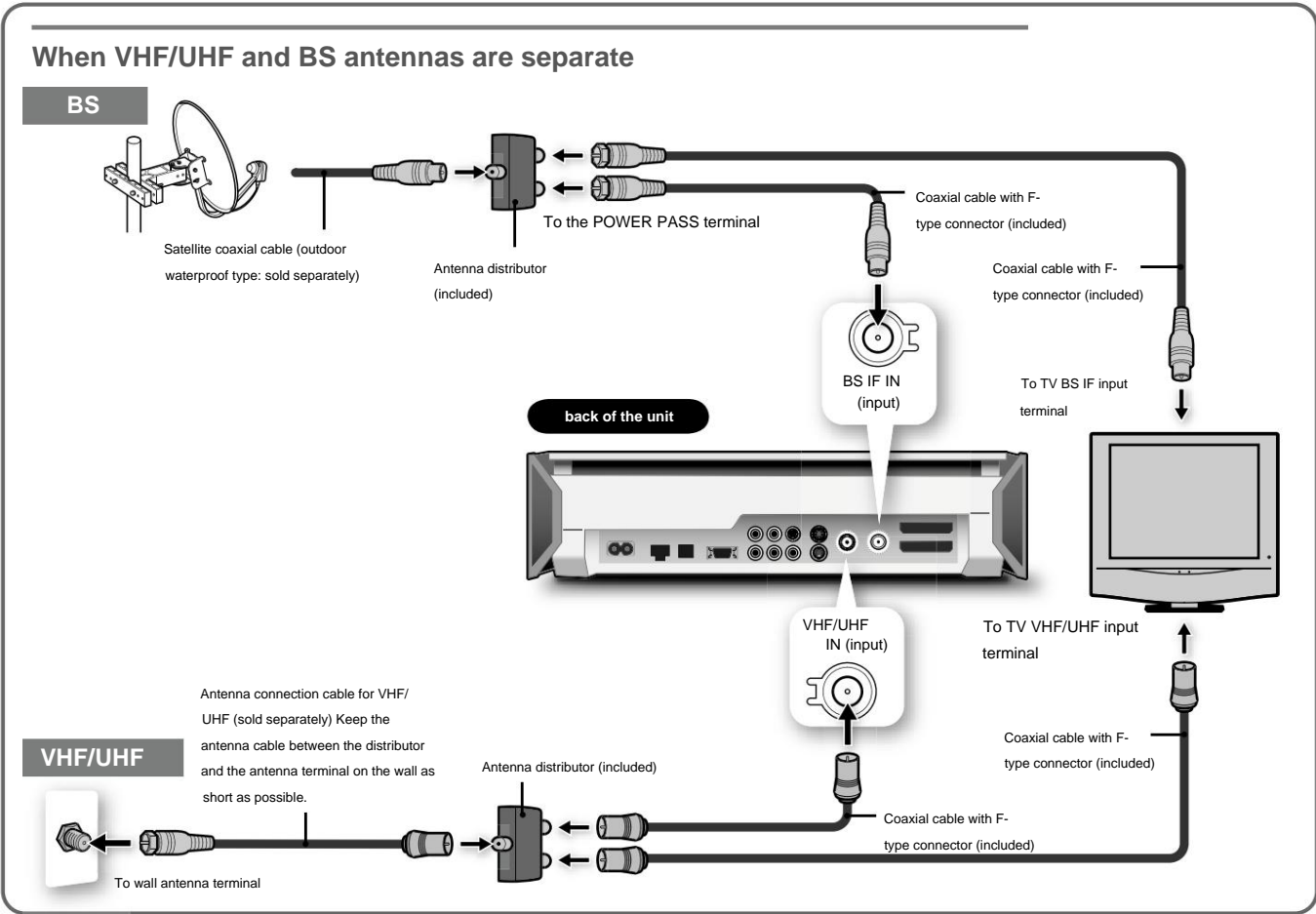
please give me.

After completing the connection, refer to "Preparation 6 Installation" (page 19) to install the unit correctly.



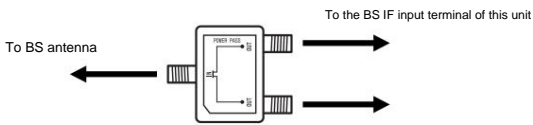
Be sure to connect the power cord after completing all connections. please.

Prepare



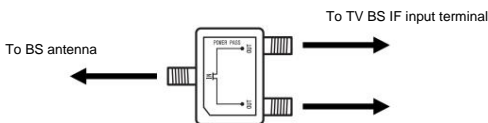
Distribution of BS antenna

When supplying power from this unit to the BS antenna, connect the terminal labeled POWER PASS on the distributor and the BS antenna on this unit. Connect the IF input terminal.



When connecting as above, set "BS Antenna Power" to "On" in "Preparation 7: Easy Setup" (page 20).

When supplying power to the BS antenna on the TV side, connect the terminal labeled POWER PASS on the distributor and the terminal on the TV. Connect the BS IF input terminal.



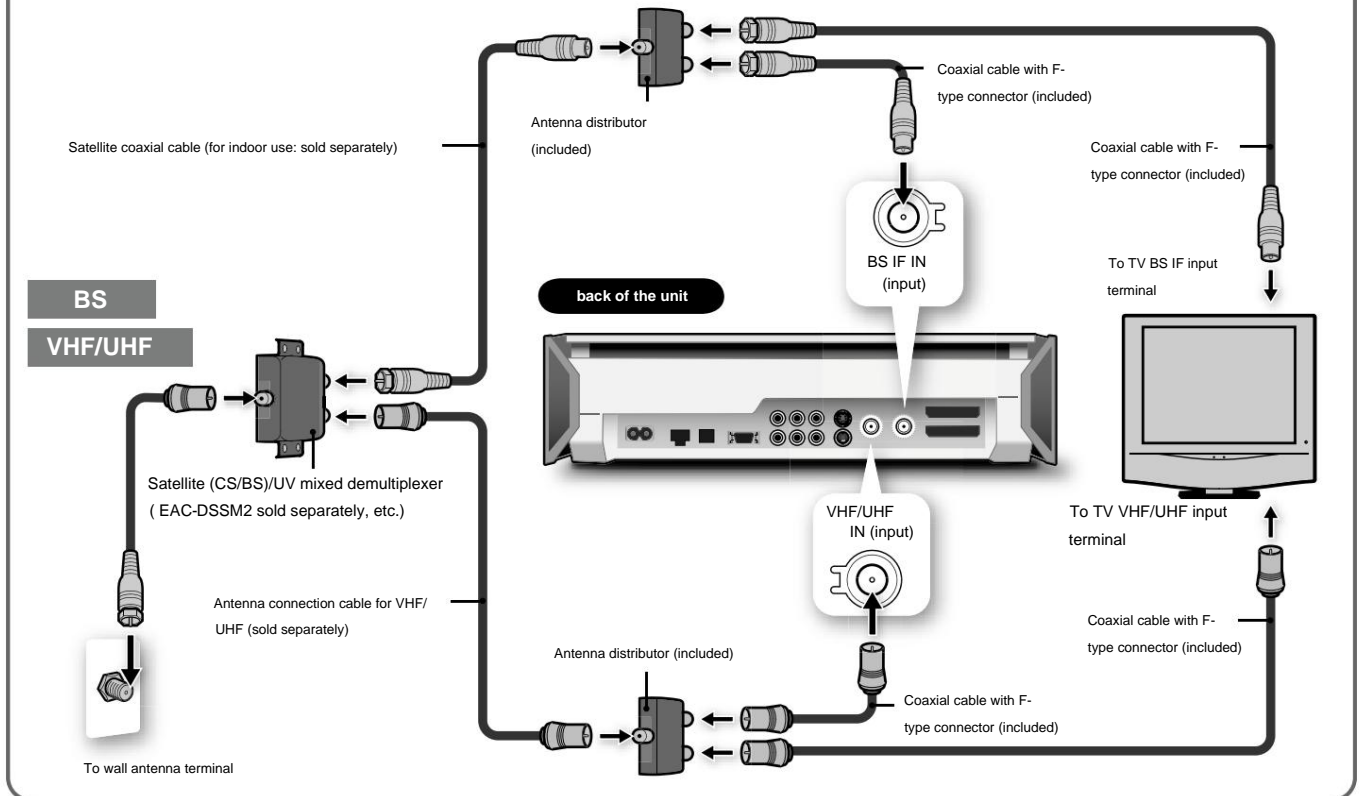
When connecting as above, set "BS Antenna Power" to "OFF" in "Preparation 7: Easy Setup" (page 20).

Step 2 Connect the antenna (continued)

Prepare

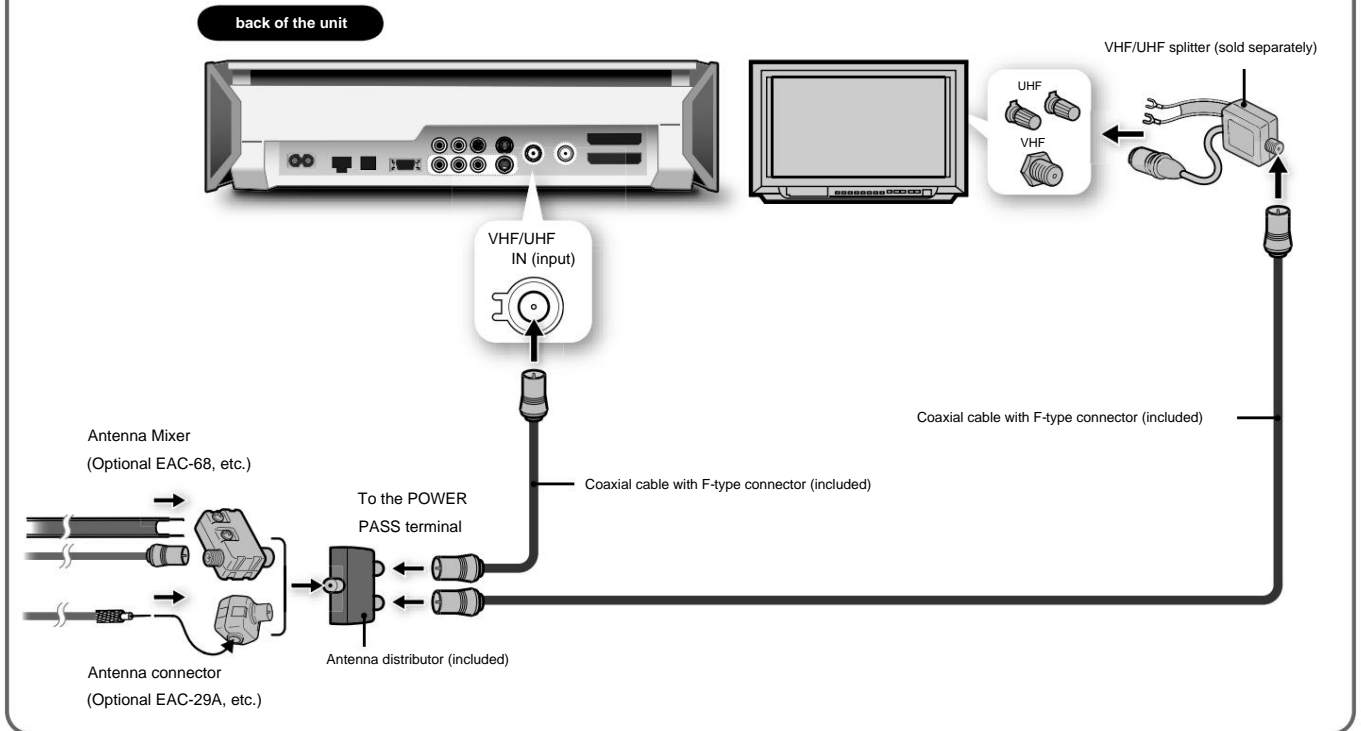
When VHF/UHF and BS antennas are mixed

As shown in the connection diagram below, separate the BS broadcast and TV broadcast and connect. Also, see "Preparation 7 Easy setup "ON", set "BS ANTENNA POWER" to "OFF" (page 20). Configure the power supply for your TV converter. set to "Off".



The optional accessories described in this manual are current as of June 2004. Please accept our apologies if the product is out of stock or production is completed.

If your TV is a feeder line + coaxial cable with plug



When the TV reception is poor



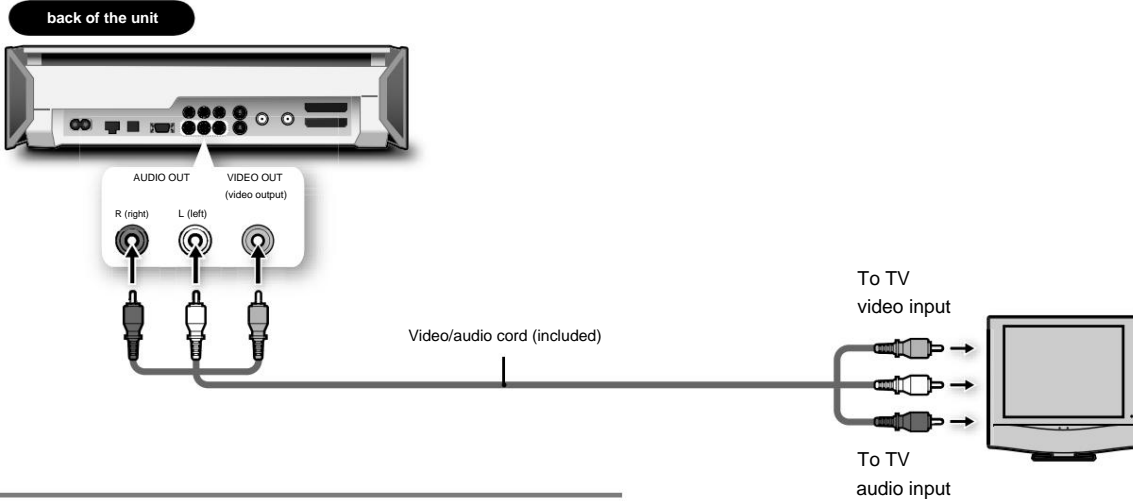
If TV programs received by this unit are not displayed or the screen is distorted, use a commercially available antenna instead of an antenna splitter. Connect the antenna to the VHF/UHF terminal using a booster, please.

Connect the included coaxial cable to the **BS IF** input terminal. Never connect any cable other than the included coaxial cable to the BS IF input terminal. Since the BS IF input terminal supplies power for the BS converter, failure to connect the dedicated cable may result in a short circuit, resulting in an accident such as a fire.

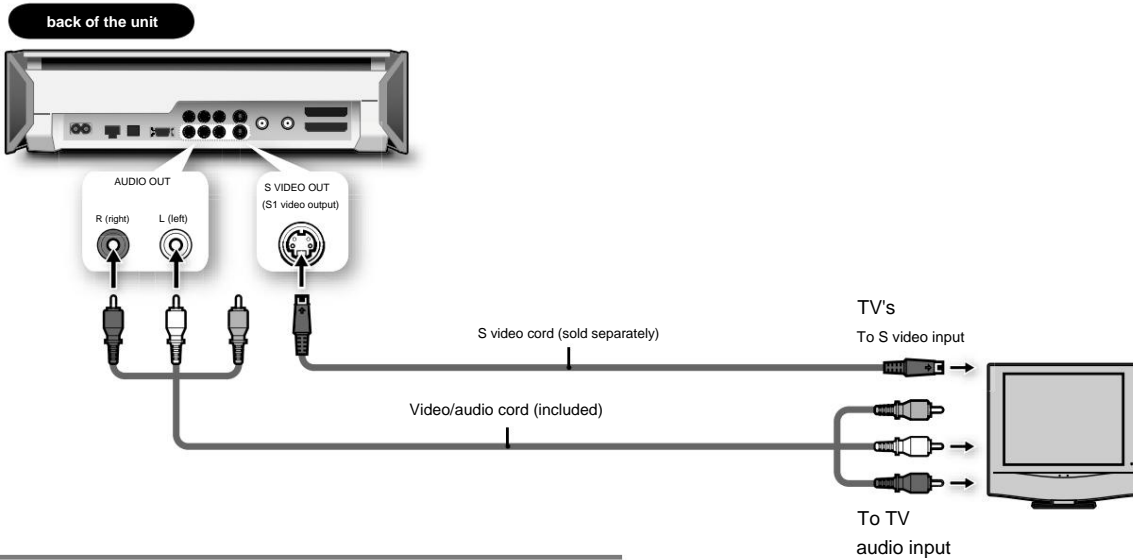
Step 3 Connect the video and audio cable

When connecting using a video cable

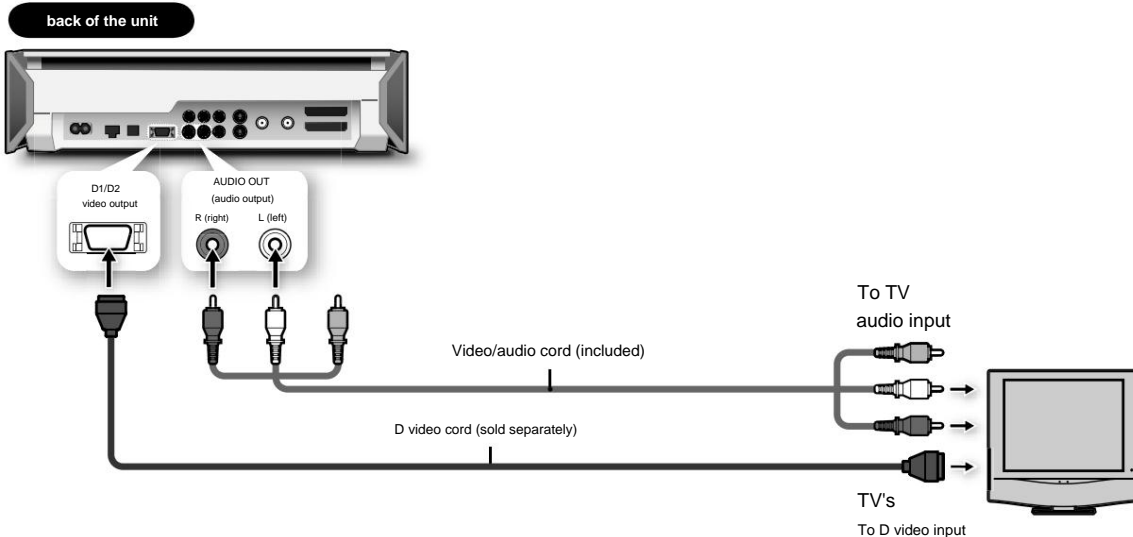
Prepare



When connecting using an S-video cable



When connecting using a D terminal cable



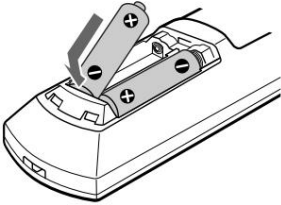
Step 4 Prepare the remote control

See page 26 for caution

put batteries in the remote control

Open the lid on the back of the remote control and insert the included batteries.

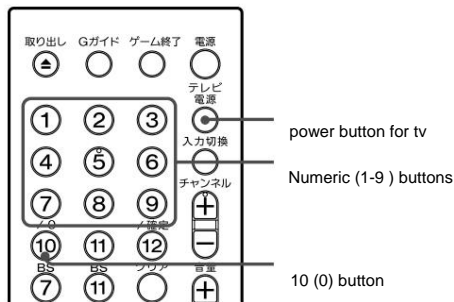
Be sure to insert the battery from the # pole side as shown in the figure below.



Setting to operate the TV of each company

You can operate the TV channel, volume, and power with the remote control of this unit. to come. At the time of purchase, you can operate a Sony TV.

It is set.



Operate while pressing the TV power button.

Enter the two-digit manufacturer registration number of the TV you want to and press.

Input example

Toshiba: While pressing the TV power button ⁰10

3

Pioneer: While pressing the TV power button ⁰1

1

10

TV manufacturer registration	number
Sony *1	01 (default setting), 12
Matsushita Electric Industrial*1	02 ^y 13
Toshiba	03
Hitachi	04
Mitsubishi Electric	05
japan victor	06
Sanyo Electric*1	07 ^y 15
Sharp*1	08 ^y 16
NEC	09
Pioneer*2	10
Fujitsu General 11	
Funai	14
Aiwa*1	01 ^y 17
Samsung (SAMSUNG)*1	18 , 19

^{y1} If there are two or more manufacturer numbers, try them in order and the TV will not operate.

Please select a number that you can

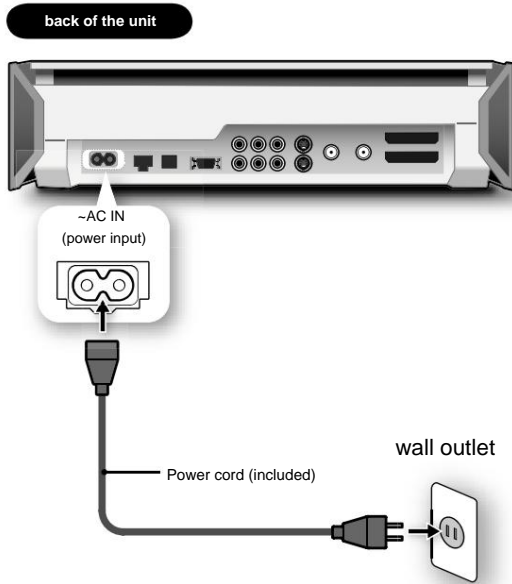
^{y2} The input selector button cannot be used.

Step 5 Connect the power cord

Be sure to connect the power cord after completing all connections.

After connecting the power cord to the unit, plug the power cord into an outlet.

Prepare

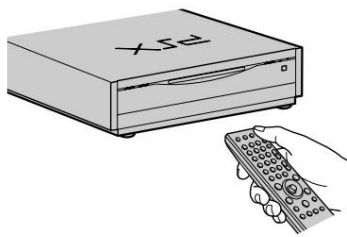


When the power cord is connected, the cooling fan and hard disk of this unit will operate.

Wait until the HDD ACCESS lamp turns off, then turn on the power.

please give me.

Check if the power turns on with the power button on the remote control.



Press the power button on the remote control to turn on the power of this unit.

put in.

The "PSX" logo will appear on the screen, and after a while the simple setup screen will appear. See "Preparation 7: Easy Setup" (page 20).

If the remote control's power button does not turn on the power, check that the remote control mode switch is set to "1". If the remote control mode of this unit and the number of the remote control mode switch on the remote control are different, you cannot operate this unit with the remote control.

you can't.

The remote control mode of this unit is set to "1" at the time of purchase, so set the remote control mode switch on the remote control to "1" as well. is needed.

If you want to operate multiple "PSX" with one remote control, set the remote control mode of the main unit and the remote control to a different number from the other "PSX". please.

For details on the setting method, see "Changing the remote control mode" (page 110).

Preparation 6 Install

Prohibited Installation Method

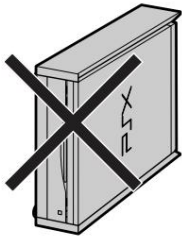
When installing the unit, install it in an orientation other than the correct installation method.

please don't

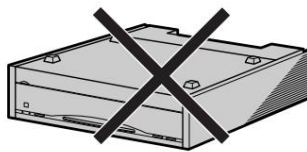
If installed incorrectly, the disc may become unreadable or malfunction.

may be the cause of

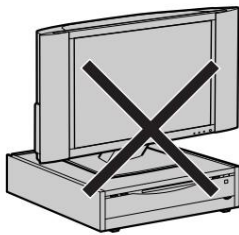
- Installed on its side



- Installed with the top side down



- Place a TV, etc. on top of the unit.



- Front side down

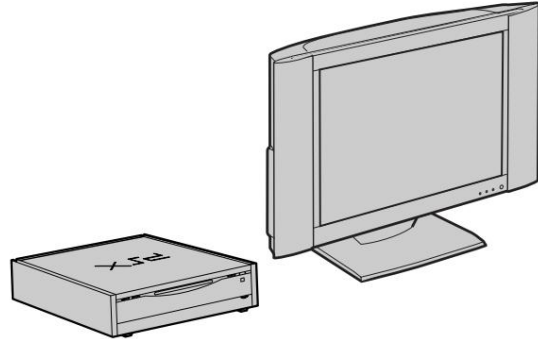


Correct installation

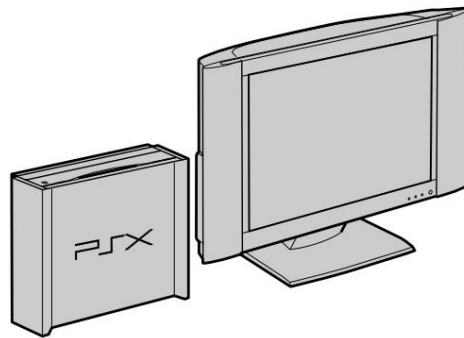
When installing the unit, place it on a flat surface as shown in the illustration below.

please give

me. **Horizontal orientation**



When placed vertically



Do not subject this unit to vibration or shock. The hard disk should be protected from shock, vibration and dust.

It has built-in safety mechanisms to prevent damage, but improper use may result in loss of recorded data or malfunction.

Please pay particular attention to the following

points. •Do not move the unit or change its orientation while the power cord is connected. Even if the power cord is connected and the power lamp lights red, the hard disk may still be operating.

•Do not move or move the product immediately after connecting/disconnecting the power cord or turning the power on/off. To protect the hard disk, wait about 20 seconds after turning off the power.

stomach.

•Do not apply vibration or impact.

•Do not use in a vibrating or unstable location.

•Do not unplug the power cord during recording or playback.

•Do not pull the cable of the dedicated analog controller, etc. strongly. When placed vertically, the machine may topple over. Parents, please be careful with your children.

Prepare

Do not install in the following locations: - Locations exposed to direct sunlight or high humidity - Extremely cold locations - Locations near tuners, TVs, or VCRs (using together with tuners, TVs, or VCRs) When using an indoor antenna, noise may occur or the image may be distorted, so we recommend using an outdoor antenna.)

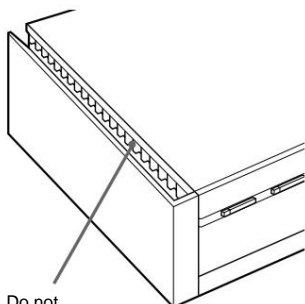
Prepare

- On a carpet, etc.
- A place where water splashes
- Dusty place
- An unstable place

Also, do not do the following as it may cause malfunction. please

- Place a container filled with water, such as a vase, on the unit.
- Put hot objects such as kettles on it
- Inclining the unit
- Block the ventilation holes by covering the unit with a cloth, etc.

The ventilation holes of this unit are located on the side of the unit.



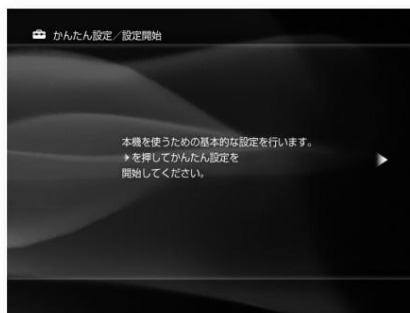
Do not block the ventilation holes



When changing the installation location, do not move the unit with a disc inserted. Doing so may damage the disc .

Preparation 7 Performing simple settings

When you turn on the power in "Preparation 5 Connecting the power cord" (page 18) , Easy Setup is displayed. Perform basic settings for using this machine.



Follow the on-screen instructions to make the settings. You can set the following items in Easy Settings.

Easy setting flow

Setting 1: BS antenna power

This is the setting for supplying power from this unit to the BS antenna (95 page).



Setting 2: Time setting

You can set the date (year/month/day) and time (page 108).



Setting 3: Area code setting

Set the region where the machine is used. According to the set area, Automatically adjust the channels to be displayed in the program guide. broadcast There is no need to change the settings manually unless there is a change due to station circumstances. For more information on regions, see Guide Channel View" (page 136).

If you set the area code,

The time is also set automatically.

The acquisition time of the program information differs depending on the set area code.

Register an area code that is different from the area you live in, or use

If you manually change the acquisition time, you will not be able to acquire program information.

Therefore, unless there is a notice from the broadcasting station, we will never change it. please don't



Preparation 7 Easy setup (continued)

Setting 4: Automatic channel setting

Automatically receive available channels.

If you want to manually change the receiving channel, select "Receiving Setting the Channel Manually" (page 94), see [Receiving

Please change the channel.



Setting 5: TV type

You can display images that match the aspect ratio of your TV. (page 106).



Setting 6: Optical digital output setting

Make settings for connecting to other audio equipment using the optical digital terminal (page 107). If you set "Optical Digital Output" to "On", proceed to Dolby Digital settings (page 101) and DTS settings (page 101).



Setting 7: Hard disk space setting

Check the used space of the hard disk.

If you do not play hard disk compatible games on this unit,
See "Changing Disk Space" on page 107 to

Select the setting to set the system area to 0 GB (gigabytes).

If left as is, the maximum recordable time will be shortened.

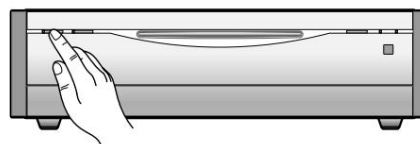
Use the 40GB setting when there is a possibility of playing games.
when.

Turn on the power

Press the $\neq/1$ (power) switch on the main unit or the power button on the remote control.
please.

Prepare

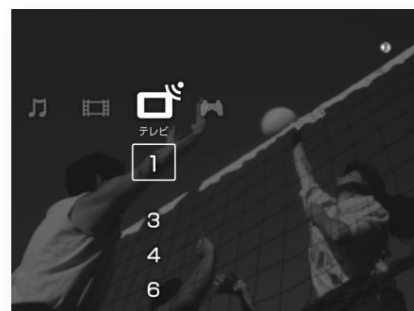
Front of the machine



When you turn on the power, the screen will appear in the following order.



After a short time



After a short time



* The program name will not be displayed unless the program information of the program table is acquired.

To turn off the power ,

press the $\neq/1$ (power) switch on the main unit. After pressing the $\neq/1$ (power) switch, it takes several seconds for the unit to turn off. Do not press the $\neq/1$ (power) switch continuously as this may cause malfunction .

get ready for the game

Before enjoying games with this unit, prepare the following accessories (sold separately).

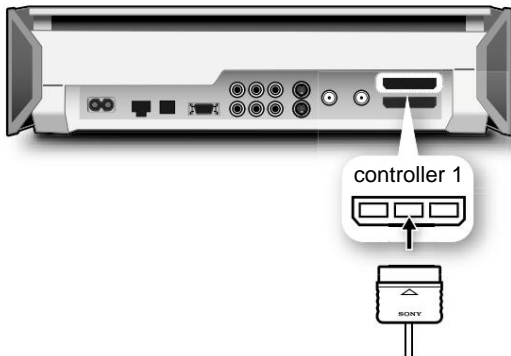
Prepare

“PSX” dedicated analog controller (DESR-10)



How to connect Connect to controller 1 on the rear of the unit. Controller 2 is only used for gaming. The analog controller connected to Controller 2 cannot be used for operations other than games on this unit.

back of the unit

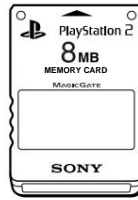


please note

When using the controller for operations other than games, connect to controller 1.

“PlayStation 2” dedicated memory card (8MB) or memory card (this unit supports both cards.)

This unit does not support “PocketStation”.



Memory card for PlayStation 2 (8MB)



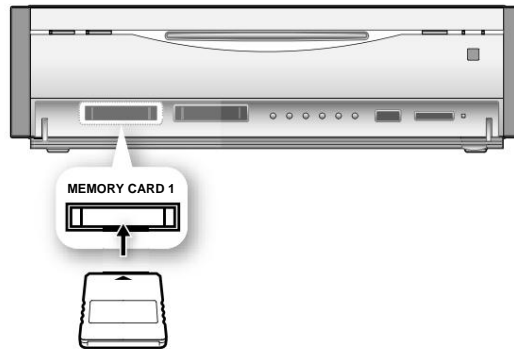
memory card



“PocketStation”

How to insert MEMORY CARD1 or MEMORY CARD2. Insert it into MEMORY CARD2.

Front of the machine



Preparing for the game (Continued)

“PlayStation 2” dedicated memory card About (8MB)

You can save or load game data for “PlayStation 2” format software.

To check, copy, or delete game data, use the game's [Memory Card Utility] (page 88).

Approximately 8MB of game data can be saved on a single “PlayStation 2” dedicated memory card.

However, only the amount of space used for file management information is available. capacity may be reduced.

About memory cards

Save or save game data from “PlayStation” standard software. can be loaded.

Use the game's [Memory Card Utility] to check, copy, or delete game data (page 86). 120KB (15 blocks) of game data per memory card

You can save your game data.

Save the game data of “PlayStation 2” standard software as a memo. cannot be copied to a memory card.

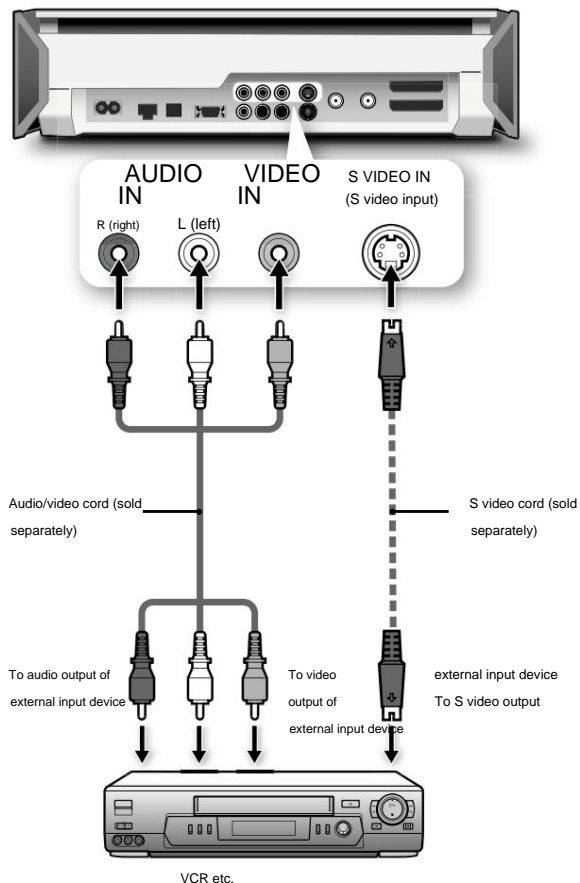
About saving game data

Even if you try to save game data that requires more space than the “PlayStation 2” dedicated memory card (8MB) or the free space of the memory card, you will not be able to save. Before playing the game, check the space required to save data and the free space on the card.

For information on the space required to save data, refer to the instruction manual that comes with the game software.

Connect an external input device

back of the unit



To view the connected external input device

Press **Mm** to select (TV) from the home menu.

power) and **press**.

For details, see “Watching TV” (page 40).

When connecting an external input device with an S-video cable

, set the terminal for inputting external video in “Setting the video”. select “S-Video” in “Video” (page 98).

LINE (external entry)

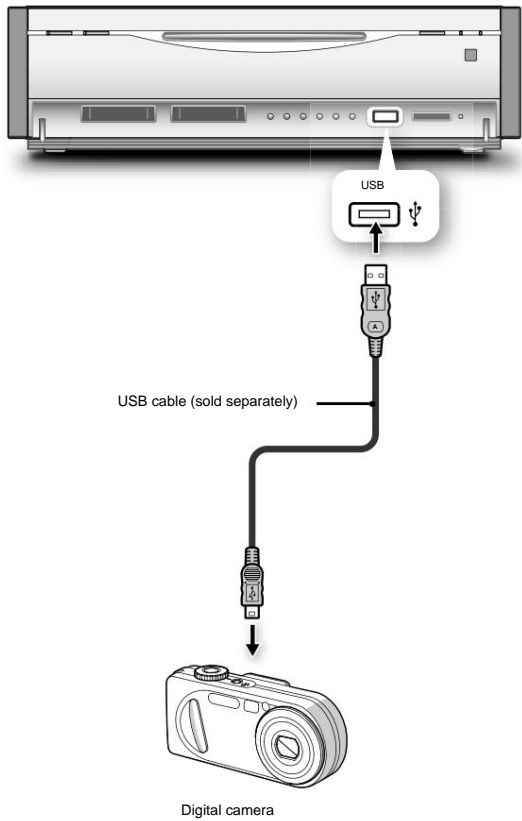
connect a digital camera

See page 27 for caution

Connect this unit and a digital camera using a USB cable.

Prepare


Front of the machine





To view pictures from a connected digital camera will be displayed.





Step1



Press Mm to open the home menu.  from (pictured)

 Select (digital camera) and press  .

Step2

Use Mm to select the folder you want to display and  press  . push.

Step3

Use Mm to select the photo you want to  view and press  .

For details, see "Playing back photos" (page 80).

This unit is compatible with Sony digital cameras. connected to the unit.

See below for the types of Sony digital cameras that can be connected.

Please check the homepage.

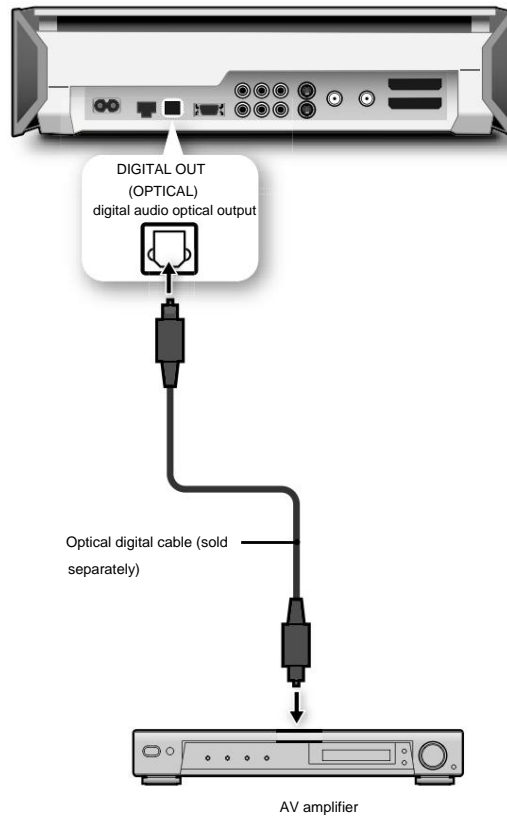
<http://www.sony.co.jp/SonyDrive/>

Connecting an audio device that supports optical digital input

See page 27 for caution

Connect an AV amplifier with an optical digital audio input terminal.

back of the unit



To output audio from the optical digital output (main

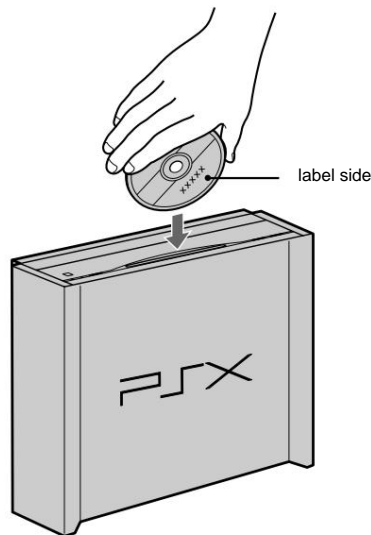
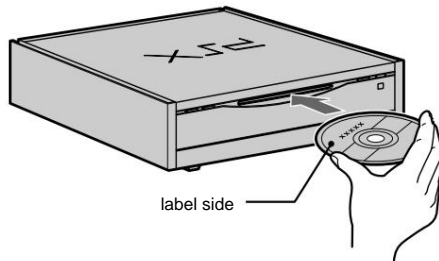


unit settings), set [Optical digital output] to [On] in "Setting the optical digital output" (page 107).

How to insert a disc or "Memory Stick"

See page 27 for caution

to insert a disc



Insert the disc into the disc slot with the label side (not the playback side) facing up. Insert it straight along the direction of the arrow in the diagram above.

please give me.

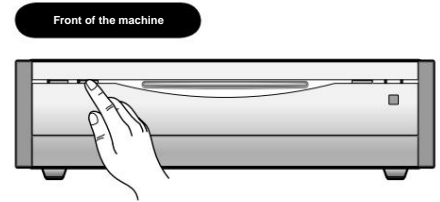
When inserting an 8cm disc, this unit can play it without using an 8cm disc adapter. Align the disc with the center of the disc insertion slot and insert it straight.

please give me.

Attaching an adapter to an 8 cm disc and inserting it into this unit may cause malfunction. Also, it may cause the unit to malfunction.

please put it in.

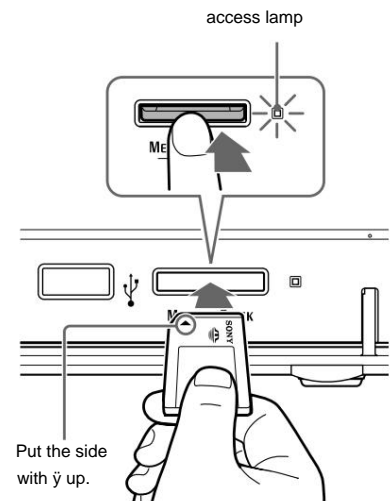
To eject the disc



Press the Z eject button. The disc will automatically eject.

Even if you press the Z eject button, the disc will not eject. If you cannot remove it, contact the Customer Service Center. Please contact Tar.

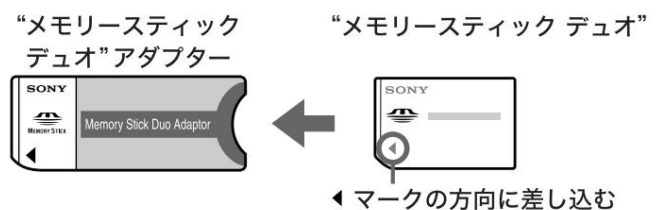
To insert a "Memory Stick"



Check the direction of y on the "Memory Stick". Insert the MEMORY STICK firmly into the slot.

When you push it in, the access lamp lights up. When it disappears,

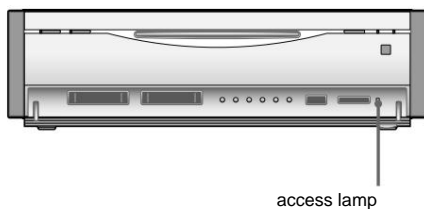
When using a "Memory Stick Duo", attach the "Memory Stick Duo" adapter to the "Memory Stick Duo" before inserting it into the MEMORY STICK insertion slot of your camcorder. please put it in



To remove the "Memory Stick"

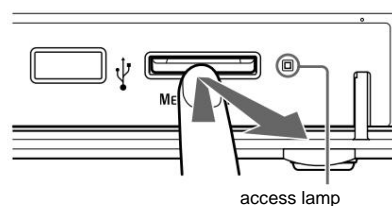
Step1

Prepare



Make sure the access lamp is not lit.
admit.

Step2



Slowly push the "Memory Stick"
Put it in and take it out.

The "Memory Stick" or "Memory Stick" **insertion slot may be damaged in the following cases.**

pull out the do.

- Forcibly pull out the "Memory Stick".
- Insert any object other than a "Memory Stick" into the "Memory Stick" insertion slot.
- Forcibly insert the "Memory Stick" upside down.

Notes on "Preparation"

Notes on "Preparation 2 : Connect the Antenna"

- Component video input (Y/PB/PR) for high-definition is not supported.

If you connect this unit to a TV that supports progressive (525p) format and output progressively, if problems such as image distortion occur, we recommend viewing in regular TV (interlaced) format. To do. For details on the progressive method, see "Setting progressive output" (page 101).

For information on compatibility between this unit and your TV, please contact our customer service center.

- This unit can only record video output with 525i (480i) standard TV broadcast signals. High-definition signals cannot be recorded.
- This unit cannot be connected to a BS WOWOW broadcast decoder.

- To prevent image distortion, do not place a TV directly on top of this unit.

- Keep the antenna wire as short as possible and keep it away from the unit. In particular, feeder lines are more susceptible to noise than coaxial cables, so keep them as far away from the unit as possible. please.

- In the following cases, BS cannot be received or reception conditions are poor. This is not a malfunction.

- The area where you live or where the broadcasting satellite company that transmits BS is located

When the area is experiencing bad weather such as thunderstorms or strong winds

- When the BS antenna is covered with snow

- When the direction of the antenna changes due to strong wind, etc. (Adjust the direction of the BS antenna .)

Notes on "Preparation 4 Preparing the remote control"

- When using the remote control, do not expose the remote control sensor to direct sunlight or strong light from lighting fixtures. You may not be able to operate with the remote control.

Precautions for "Configuring **the remote control of this unit to operate**

TVs of other companies "• Depending on the TV, operation may not be possible even if the manufacturer's registration number is matched, or some buttons may not be available.

- If you enter a new manufacturer registration number, the

The manufacturer's registration number will disappear.

- When the batteries in the remote control are replaced, the manufacturer's registration number may automatically return to the default setting. In that case, enter the manufacturer registration number again.

Notes on "Connecting a Digital Camera"

- Digital cameras made by other companies and storage media via USB cannot be used with this unit.
is not supported.

Notes on " Connecting audio equipment that supports optical digital input "

- Audio recorded in Dolby Digital* or DTS format discs cannot be digitally recorded as-is on an MD or DAT deck .

•Some "PlayStation 2" format software does not support audio output from the DIGITAL OUT (OPTICAL) terminal. no sound is output. To enjoy the sound of such software, you need to connect this unit and your audio equipment with the supplied audio cord.

* Manufactured under license from Dolby Laboratories . Dolby, Dolby, Dolby Digital and the Double D symbol are trademarks of Dolby Laboratories.

Notes on " Inserting a disc or "Memory Stick""

• When removing the "Memory Stick", do not flick it sideways with your finger. If it gets into your eyes, it may cause injury.
I have.

Prepare

Getting Started with PSX

Check basic operations

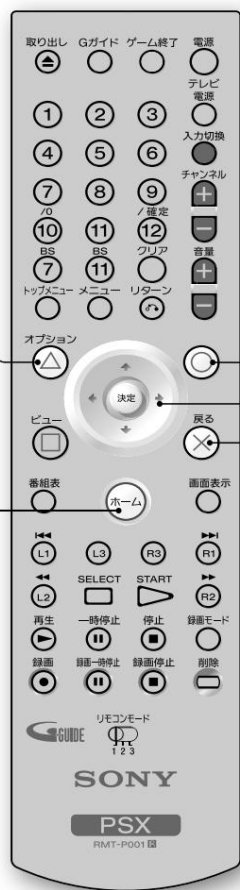
PS
Getting
Started
with X

How to operate the remote control

This unit can be operated using only the following remote control buttons.

- △ button**
- Display optional functions
Press when you want.
 - Display the operation panel.
Press when you want.

- home button**
- Show in home menu
When I want to/I want to go back
Press .



- / Enter button**
- Press to play content. •Press to confirm the item selected on the menu.

To do.

- the cross key**
- Displayed on the menu
Use this to move the cursor.
 - Turn off the wizard screen used when switching
vinegar.

- X Button**
- Stop playback and home
Used to return to the menu.
 - Press to return to the previous menu.

For descriptions of other buttons on the remote control, see See "Part names" (page 140).

Home menu introduction

When the power is turned on and the unit starts up, the home menu appears.

news is displayed.

On this unit, you can select TV/TV from the home menu.

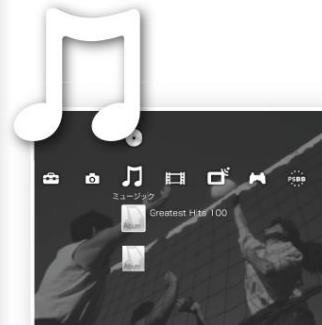
Video, Music, Photo, PSBB

Select which genre, and

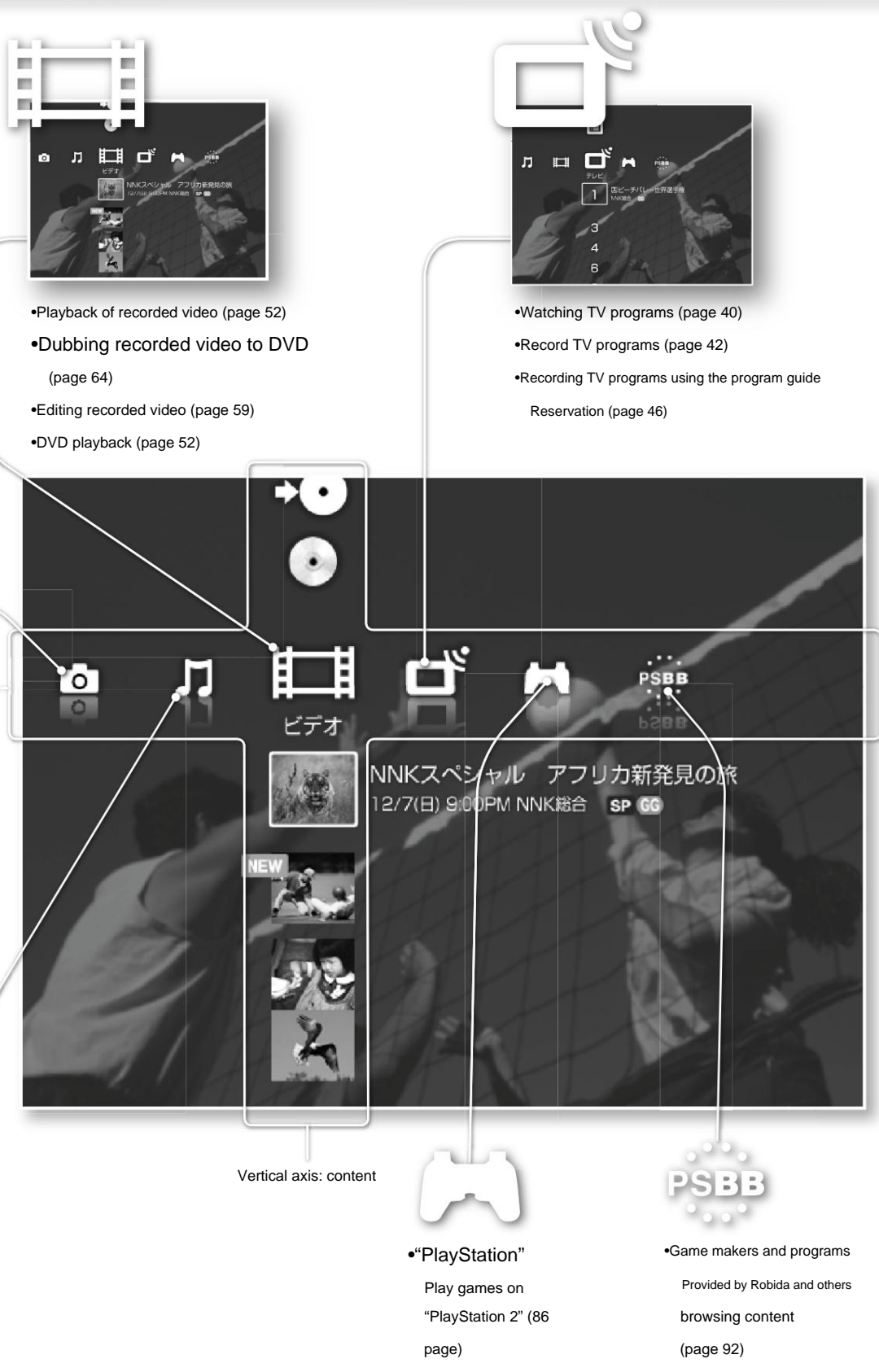
content and features.



- "Memory Stick" and digital cards
Camera, photos and videos saved on CD-R playback (page 80)
- "Memory Stick" or digital camera
a hard copy of photos and videos saved on a CD-R.
Save to Hard Disk (page 84)



- Playback of songs recorded on a CD or CD-R
Raw (72 pages)
- Songs recorded on a CD or CD-R
Saving to hard disk (page 75)



Introduction of main menu screens

P
SGetting
Started
with X

Option menu screen




ホームメニュー上に表示されている、コンテ
perform operations on components, disks, and folders.
Use when you want. Basic
operation of this menu Select the function
you want to use with Mm on the joystick , and press .



Operation panel screen



再生中のコンテンツを操作したいときに利用
To do.
Basic operation of this menu Select the
function you want to use with Mm<, on the joystick ,
and press . 

Wizard menu screen



ダビングや本機の設定を行うときに利用します。
Basic operation of this menu Follow the
on-screen instructions to select and set items, and press , on
the joystick to move to the next page.

Program guide screen



テレビ番組の録画予約などを行うときに利用
To do.
For details on how to operate, see "Program
guide" (page 31).

Program Guide

A program guide (G-guide) is a list of programs displayed on the TV screen, such as those published in the TV section of newspapers and magazines.

You can make recording reservations by simply selecting the program you want to watch from the program guide.

At the time of purchase, the unit does not contain the program data for using the program guide, so the program guide cannot be used. Refer to " Four Points for Properly Displaying the Program Guide " and receive the program data for the program guide correctly before using the program guide.

Four points for displaying the program guide correctly

Point1

Program data **can be received only when the power of this unit is "OFF" or when playing a game.**

Point2

It takes about half a day to a day to receive program data.

Program data is sent several times a day by a specific broadcasting station (host station). Depending on the time of day, it may take half a day to a day to receive it.

So please be careful.

Point3

Make sure that the antenna wire and power

cord are connected correctly. The program data

in the program guide is sent from the host station using TV radio waves.

Please note that program data cannot be received unless the antenna wire and power cord are connected. Also, the program guide may not be available depending on the radio wave conditions or ghost occurrences.

Point4

Check if "Easy setting" is set correctly. If "Time setting"

and "Area code setting" in Easy setting are not set correctly,

you cannot receive the program guide. For details, refer to "Preparation 7 Easy Setup" (page 20).


How to display the program guide

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S
Getting
Started
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Step1



on the home menu  from (TV)

 Select (program guide) and press.

You can also display the program guide by pressing the G guide button or program guide button on the remote control.

increase.

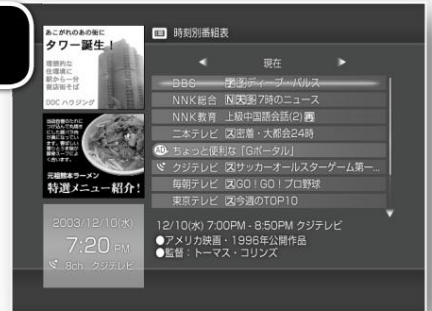
To exit the program guide,
press while viewing the program guide.

You can also exit by pressing the G guide button on the remote control.

Types of program guide screens

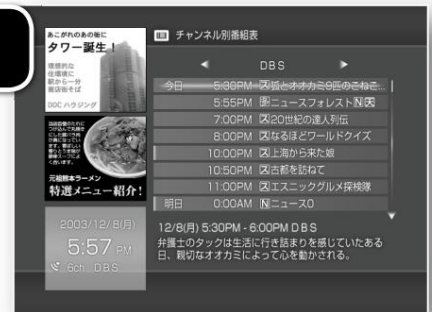
This unit has four types of program listings and topics.

Program schedule by time



Display a list of TV programs for each station by time.

Program guide by channel



Display a list of TV programs by station.

increase.

To switch the type of program guide



Program guide by genre

A list of programs broadcast by each station By genre such as sports or drama display.



Program guide by keyword

Displays a list of programs searched by preset keywords. For details on how to use the keyword-based program guide, see "Using the keyword-based program guide" (page 34).

Topics

Announcements from broadcasting stations, useful information, etc. It is displayed. Display contents regularly will be updated.

Switch using the option menu in the program guide

Step1



Press while viewing the program guide. The option screen of the program guide is displayed.

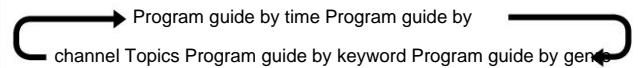
Step2



Use Mm to select the program guide you want to switch and press .

Switching with the program guide button on the remote control

By repeatedly pressing the program guide button on the remote controller while the program guide is displayed, you can switch the type of program guide in the following order.



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Each part name of the program guide screen

How to read the program guide screen



1 Broadcasting station name (or time, channel number, genre) field Use <, to select the broadcasting station, time, or genre you want to display.

You can choose. 2 panel

advertising screen

If you select an advertisement screen, the details of the advertisement will be

displayed. 3 Current date and time Explanation of icons

- **1** (number displayed on the unit immediately before displaying the program guide displayed in pairs.

4 Broadcast start date and time or broadcasting station and program name

Programs scheduled to be broadcast in the selected station, time, or genre/ subgenre, and text advertisements for the station (time-based program guide only) are displayed. You can select a program with Mm. The following icons are displayed: Icon description

- **W** (clock): Displayed for programs with scheduled recording will be
- **z** (red circle): Displayed for programs being recorded.
- **r** (red line): Displayed when another program is being recorded that overlaps with the broadcast time.
- **W** (white line): Another program with overlapping broadcast time is reserved for recording. is displayed when
- **A** (bars during advertisements, not programs.
- **1** (number displayed on the unit immediately before displaying the program guide displayed in pairs.

5 program explanation

Using the keyword-based program guide

Keywords must be registered in advance for the keyword-based program guide.

Step1



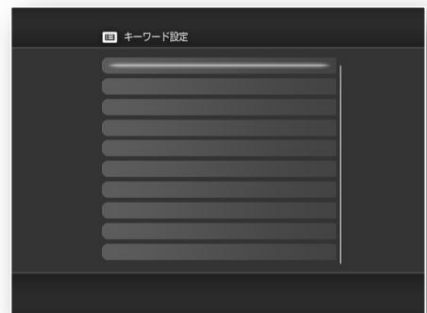
番組表を表示しているときに **A** を押す。

Step2



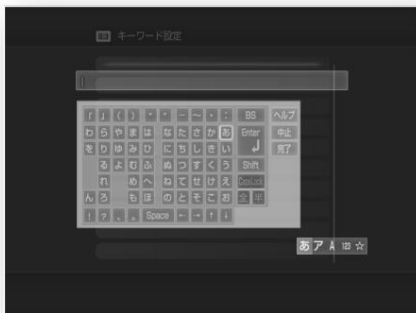
↑↓で [キーワード設定] を選び **決定** を押す。

Step3



Select an empty column with Mm and press .

Step4



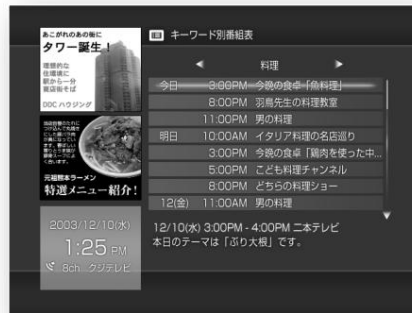
Enter keywords with the on-screen keyboard
be.

For keyboard input methods, see page 120.

Please see J.

After completing the keyboard entry, the keyword
to return to the mode setting screen.

Step7



Use <, to select the keyword you want to search.

Step8



Select a program with M and press .

Step5



Press when the program guide is displayed.

Step6



Use M to select [Program Guide by Keyword] and press .
push.

Using the option function of the program guide

If you select while selecting a program on the program guide screen, the program
The table options screen is displayed.

Program guide option screen



The following optional functions can be used in the program guide of this unit.

Functions that can be used in the option of the program guide

Function name	Select and press
see ads	Display detailed content of the advertisement.
Topics	Display the topics screen.
Keyword setting	Keywords for program listings by keywords can be set.
Program guide by keyword	Display the program guide by keyword.
Program guide by genre	Switches to the program guide by genre. You can select a sub-genre.
Selecting a finer genre than sub-genre selection	I can.
Program guide by channel	Switches to the program guide by channel.
Program schedule by time	Switches to the timed program guide.
reserve	Schedule recording of the selected program.
Program description	Displays a detailed description of the selected program.
Tuning	Display the selected program on the screen.

List of discs that can be played/dubbed on this unit




Discs that can be played with video

You can use various types of discs with this unit.

The discs that can be used differ depending on the functions of this unit.

of the disc type	Disc name DVD-ROM DVD-R		DVD-RW	DVD+RW
logo				
Mode		Video mode VR mode	Video mode + VR mode	
Display DVD-Video on this unit		DVD-Video DVD-VR	DVD-Video DVD+VR	

Discs that can be dubbed with video

of the disc type	Disc name DVD-R	DVD-RW	DVD+RW
logo			
mode	Video mode VR mode		Video mode + VR mode
Display DVD-Video on this unit		DVD-VR	DVD-Video DVD+VR
Maximum recording time	about 6 hours		
Compatibility with other devices	○	△	○
	DVD player playable in	VR mode compatible Playable only on devices can	DVD player playable in
			+RW compatible device Playable only on
Number of times that can be dubbed	Only once	Any number of times possible by initializing	
Notes after dubbing	×	○	×
			○
Create DVD menu	○	×	○
			○
Create playlist	×	○	×
			×
bilingual broadcast	Dubbing main audio only *2 ○	○ *2	○ *2
	Secondary audio only *2 ○	○ *2	○ *2
	Main voice + Secondary audio △ *1	◎ *3	△ *1

For more information
66 pages

For more information
68 pages

For more information
64 pages

For more information
page 99

*1 Recorded with the audio selected in the "DVD dual language recording audio" setting.

*2 Only the audio of the HDD bilingual recording audio set at the time of recording is dubbed.

*3 Both main and sub-audio are dubbed, and can be switched between main and sub-audio during playback.

Discs that can be played with Music (play music)



Only music CDs and CD-Rs can be played on this unit.

CD-RW is not supported.

For information on how to create a CD-R for playback on this unit, refer to "Saving on a CD-R

Precautions when playing back MP3 files on this unit" (page 77)

please look at.

Disc type	Disc name	CD	CD-R
	logo		
explanation	Created with a commercially available software CD recorder or computer that contains music and voice		CDs. CDDA format and Only MP3 files can be played.

Discs that can be played with Photo




CD-R is the only disc that can be played back with Photo on this unit.

For information on how to create a CD-R so that it can be played on this unit,

For details on how to save files to " (page 123).

stomach.

game disk

disk kind of	"PlayStation 2" 	"PlayStation 2" 	"PlayStation" Specifications 
Mark (logo) on the disc	"PS" and "2" and " " and "PlayStation logotype and 2" logotype and  "FOR JAPAN ONLY" notation	"PS" and "2" and " " and "PlayStation logotype and 2" logotype and  "FOR JAPAN ONLY" notation	"PlayStation" Ro 2" Go and  "FOR JAPAN ONLY" notation
disc color	Silver/Gold	green	black
what is recorded	audio + video		
disk size	12cm		

Discs not compatible with this unit

This unit does not support the following discs

- DVD-RAM
- DVD-Audio
- DVDs with area codes (region codes) that cannot be played on this unit video
- CD-RW
- Video CD
- Super VCD
- HD (High Density) layer of Super Audio CD
- When distributing a color TV format other than NTSC (PAL, SECAM), Screen (because this unit is compatible with the NTSC color TV system)

Notes on "Introduction to PSX"

Notes on "program guide guide"

- Program guide data is sent several times a day from a specific broadcasting station . For this reason, it may take about a day from the completion of the simple settings (page 20) until the reception of the program guide is complete . The program guide will be blank while receiving/ updating the program guide.
- You may not be able to receive or update program guides depending on your area, radio wave conditions, weather conditions, etc. In that case, the program table will be blank.
- Program contents and broadcast times may change due to the circumstances of the broadcasting station. Reservations made on this unit cannot be changed due to the circumstances of the broadcasting station.
- If you move, be sure to perform "Easy setup" again to display the optimum program guide even if you receive the same broadcast station.
when.
- In the program guide, you can reserve programs up to 8 days ahead.
- Program information cannot be obtained while recording.



watch TV

You can watch TV programs on this unit. You can also play TV programs on the hard disk of the main unit.
You can also record to

Step 1 Press to choose

Step 2 to choose

Step 3 Select a channel and press




Explanation of icons that can be selected with

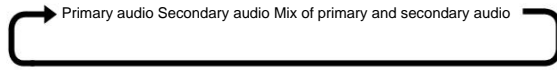
icon	Select and press
	Scheduled recording You can schedule recording by manually specifying the date and time (page 47).
	Recording reservation confirmation You can confirm or change the programs you have reserved for recording (page 49).
	A TV schedule You can select a station or schedule recording from the program guide (page 31).
	Channel TV shows are displayed.
	External input Displays images from the device connected to the external input terminal.

The program guide can also be displayed using the program guide button or G guide button on the remote control.

is displayed when acquiring program information from G-GUIDE.


switch audio

When watching a TV program that supports bilingual audio,  If you select (sound change) repeatedly, the sound will change as follows.





Step1




Press  while the main audio is playing. The operation panel will be displayed.

Step2




Use  to select (sound switching)  push. Secondary audio will be played.

Step3

Press  again. Main audio and secondary audio will be played at the same time.


Step4

Press  again. Only main audio is played.

Control the TV program you are viewing



Step1



Press  while watching a TV program. The operation panel will be displayed.








Step2



Use  to select the icon you want to use  push.

The following icons can be used on the TV.

Icons that can be used on the control panel

icon	Select a  press
 recording	Record the program you are currently watching. (page 44).  If you select (Record) twice in a row, The quick timer setting screen is displayed. (page 44).
 Pause Recording	Pause recording.
 Stop Recording	Stops recording.
 Audio switching	Change the audio of the TV program you are watching. switch.
 Screen display	Switches the screen display. Check the hard disk capacity, etc. Use when

To record, stop recording, pause recording, and display the screen, press the z record button on the remote control. button and x recording stop button, X recording pause button, screen display button. But you can do the same.



tv set

record

See page 50 for caution

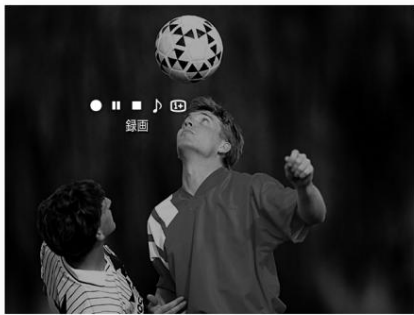
Use this when you want to record the TV program you are watching on the hard disk of this unit. It is also possible to play the video footage while recording. The unit can record continuously for up to 6 hours. Recording will stop automatically 6 hours after you start recording.



tv set

Display hard disk free space

Step1



When watching TV, (screen display) (shown) and press .

Step2

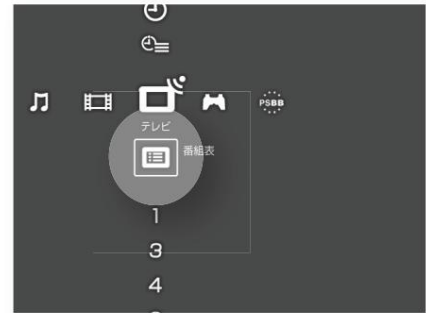


Select (Screen Display) again and press . Hard disk free space (disk remaining amount) and recordable time in each recording mode can be recognized.

Record in program guide

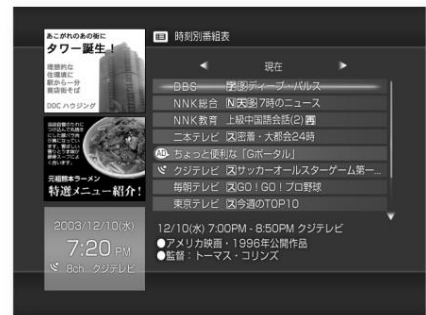
When recording from the program guide, recording stops automatically when the program ends.

Step1



on the home menu from (TV) Select (program guide) and press .

Step2



Select the program you want to record with (Mm) and press .

Step3



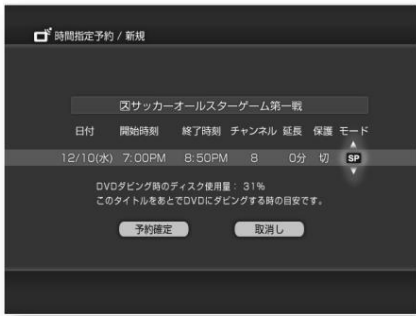
Use (Mm) to select the setting item (field) and press .

Step4



Use <, to select the item you want to change.

Step5

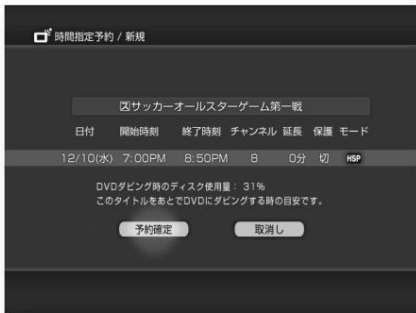


Change items with Mm.

Step6

When you have finished setting all items, push.

Step7



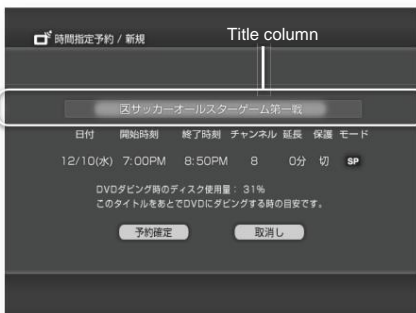
Use Mm to select [Confirm Reservation] and press . Recording will start.

Items that can be set in Step 4

title	explanation
date	Set the date to record.
start time	Set the time to start recording.
end time	Set the time to end recording.
Channel	Set the channel to record. When the extension is set, recording continues even after the program ends.
extend	Set when you want to extend the recording.
Protect	Protect your recorded video.
mode	Set the recording mode (right).

To change the name of the title to be recorded

Step1



In Step 3 of "Recording using the program guide" (page 42) , use Mm to select the title column and press .

Step2



Change the program name with Mm<,. For keyboard input methods, see "How to enter" (page 120)

please give me.

Step3



Use Mm<, to select [Done] on the keyboard Press.

About recording modes

This unit has 6 recording modes. If you want to record with high image quality, select a recording mode with high image quality such as HQ. If you want to record more video on the hard disk of this unit, Select a recording mode such as SLP.

recording mode	Recordable time	
	DESR-7100	DESR-5100
HQ	about 53 hours	about 33 hours
HSP	about 81 hours	about 51 hours
SP (standard)	About 107 hours	About 67 hours
LP	About 164 hours	About 103 hours
EP	About 217 hours	About 137 hours
SLP	About 325 hours	About 204 hours

If you change the hard disk space, the recordable time will also change.

increase.

The unit can record continuously for up to 6 hours.





tv

set

Recording (Continued)

To stop recording, select (stop recording) from the operation panel and press (page 41).

To watch a recorded program


on the home menu  Select the recorded video from (Video)  and press (page 52).

tv
set

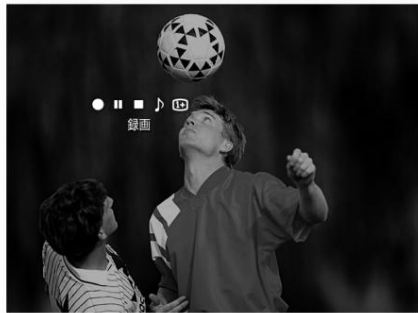
Record the TV program you are watching


Step1



Press while watching a TV program . The operation panel will be displayed.

Step2



Use <, to select (Record) and  press .
Recording will start.

You cannot change the channel of this unit during recording.

If you connect the antenna to the TV and this unit using the supplied distributor,

You can switch TV channels while recording.

For the connection method, see page 13.

Record with quick timer

If you select (Record) twice in a row in Step 2 of "Record the TV program you are watching", the following screen will appear and you can set the quick timer.


The quick timer of this unit can be set manually or according to the time in the program guide.





Item list

Item name	Description
Manual setting	You can set the recording time.
match the program guide	Information about the program currently being recorded can be obtained from the program guide, and recording can be automatically ended when the program ends.

To stop recording, select

(stop recording) from the operation panel and press  (page 41).

To watch a recorded program

on the home menu  Select the recorded video from (Video)  Press (page 52).




Recording bilingual broadcasts (dual audio broadcast)

Record primary or secondary audio only

With this unit, when recording programs such as bilingual broadcasts, You can record it in a street way.


Step1



Use Mm<, (settings) in the home menu . Select [Video settings] from , and press .


Step2



Use Mm to select "HDD dual language recording audio" . Press.

Step3




Use Mm to select "Main Audio" or "Sub Audio" . Press.

Record both primary and secondary audio

You can switch between main and sub audio during playback.



Step1



Use Mm<, to select [Video Settings] from [Settings] in the home menu and press .



Step2



Use Mm to select "HDD dual language recording audio"  and press .

Step3



Use Mm to select "Main + Sub Audio"  and press .



tv

set

Recording bilingual broadcasts (dual audio broadcasts) (continued)

Recording bilingual broadcasts from an external device using the external input

In addition to the setting for bilingual broadcasting, set "External input audio setting" to "Dual". Please change it to "Double voice".



tv set

Step1



Mm<, (settings) in the home menu

Select [Video settings] from , and press .

Step2



Use Mm to select "External Input Audio Settings" and press .

vinegar.

Step3



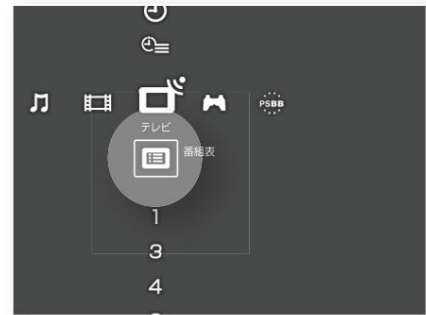
Use Mm to select "Dual Audio" and press .

Schedule recording

There are two methods for recording reservations on this unit: using the program guide and manually specifying the date and time (page 47) .

Reserve a recording in the program guide

Step1



on the home menu from (TV)

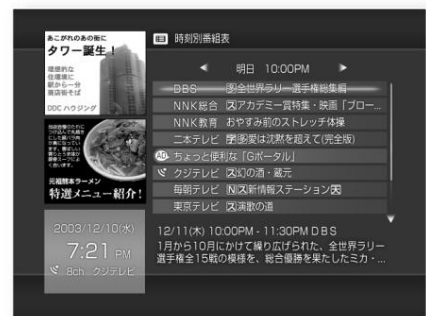
Select (program guide) and press .

Step2



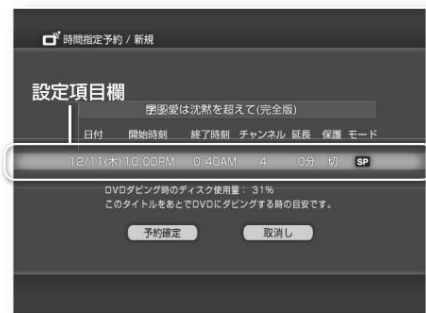
Use <, to select the time you want to reserve.

Step3



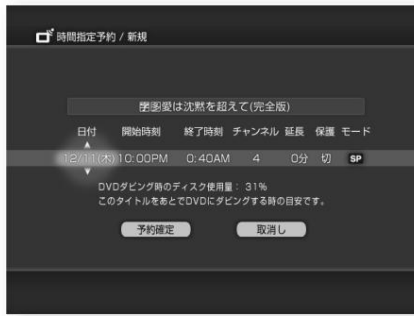
Select the program you want to reserve with Mm and press .

Step4



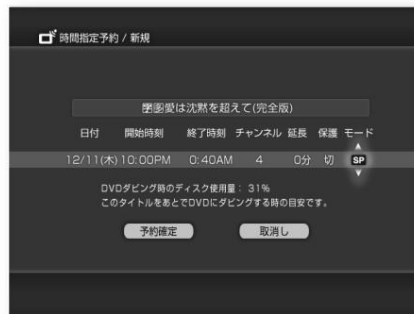
Use Mm to select the setting item field and press .

Step5




Use <, to select the item you want to change.

Step6

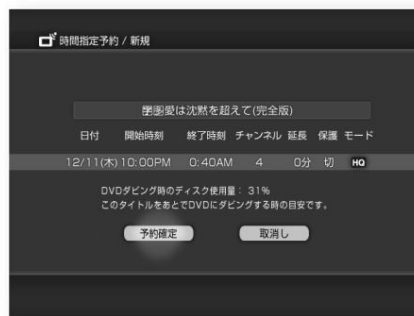


Change items with Mm.

Step7

Press when all items have been set. 

Step8



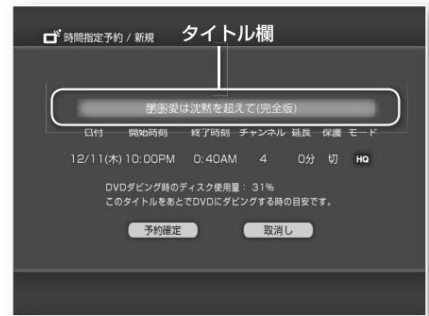
Use Mm to select [Confirm Reservation] and press . Recording reservation is set.


Items that can be set in Step 5

title	explanation
date	Set the date to record.
start time	Set the time to start recording.
end time	Set the time to end recording.
Channel	Set the channel to record.
extend	Set when you want to extend the recording.
Protect	Protect your recorded video.
mode	Sets the recording mode (page 43).

To change the title name

Step1




After completing Step7, select the title column with Mm and press  keyboard will appear on the screen.

Step2

Change the title name with the keyboard. For more information on how to use the keyboard, Refer to "How to enter characters" (page 120). Please look.

Step3

Select [Done] on the keyboard and press .

Schedule recording by specifying date and time

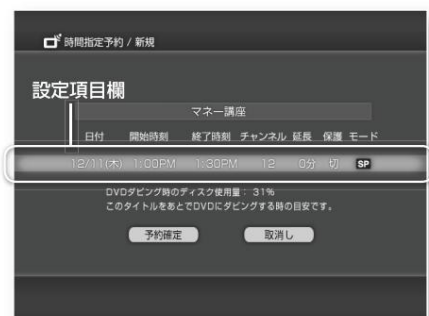
You can also schedule recordings manually without using the program guide.

Step1



on the home menu  from (TV) 
Select (Time Specified Reservation) and press .

Step2



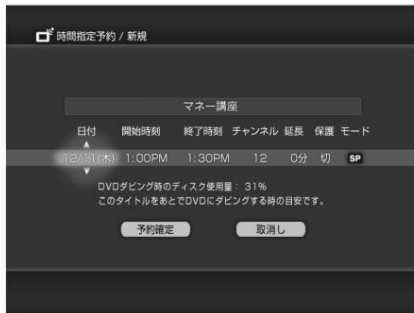
Use Mm to select the setting item  and press .



tv set

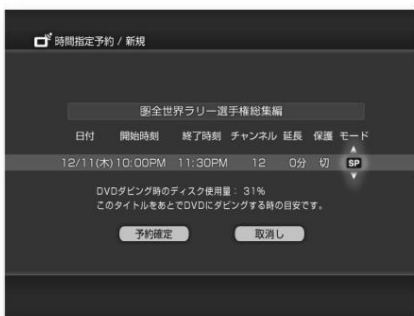
Recording reservation (continued)

Step3



Use <, to select the item to set.

Step4



Sets the item selected with Mm.

Step5

After setting all items, press



vinegar.

Step6



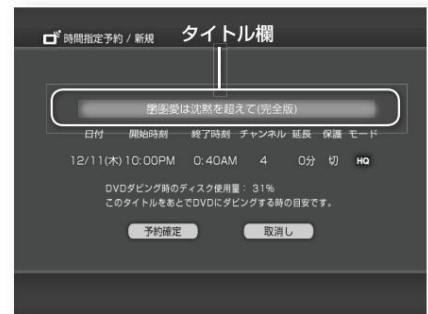
Use Mm to select [Confirm Reservation] and press .

Items that can be set in Step 3

title	explanation
date	Set the date to record.
start time	Set the time to start recording.
end time	Set the time to end recording.
Channel	Set the channel to record.
extend	Set when you want to extend the recording. In addition, when the scheduled recording with the extension setting is being executed, set the extension of the re-recording.
Protect	Protect your recorded video.
mode	Sets the recording mode (page 43).

To change the title name

Step1



After Step 5 is over, select the title column with Mm and press . A keyboard will appear on the screen.

Step2

Change the title name with the keyboard.

For more information on how to use the keyboard, Refer to "How to enter characters" (page 120).

Please look.



Step3

Select [Done] on the keyboard and press .

To stop the scheduled recording , select

(stop recording) from the operation panel and press (44) (page).

To watch a recorded program

on the home menu  Select the recorded video from (Video) 

Press (page 52).

Changing/Canceling Scheduled Recording

Confirming the content of a reservation once made or changing the settings I can.

Step1



on the home menu  from (TV)  Select (Confirm recording reservation) and press .

Step2



Use Mm to select the program you want to change and press .

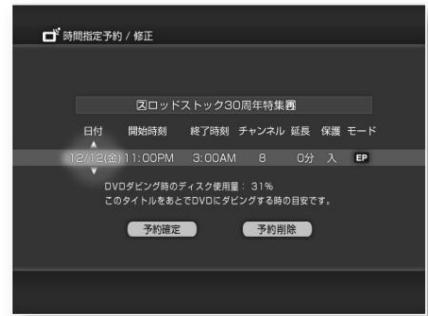
Step3



Use Mm to select the setting item field and press . To cancel the contents of the recording reservation, click [Delete reservation]. select Remove.

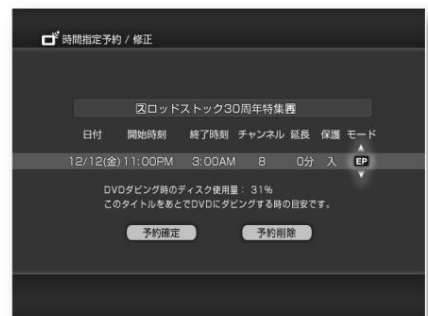
To change the contents of the recording reservation, proceed to Step 4.

Step4




Use <, to select the item to change. For details on each item, see "Items that can be set in Step 3" (page 48).

Step5

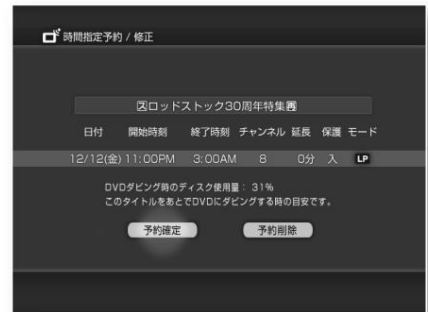


Change the item selected with Mm.

Step6

After setting all items, press  .

Step7



Use Mm to select [Confirm Reservation] and press .



tv

set

Notes on "Enjoying TV"

Notes on "Recording in Program Guide"

- **16:9** images are recorded at 4:3.

- It is not possible to change the recording mode during recording or while recording is paused. you can't.

• If you unplug the power cord while recording, the program being recorded will be deleted. may be

• It is not possible to set duplicate reservations for the same time.

• Up to 30 reservations can be made on this machine.

• You cannot change the channel of this unit during recording. If you use the supplied distributor to connect the antenna to the TV and this unit, you can switch TV channels even while recording. For the connection method, see page 13.

• Only extension settings can be changed while scheduled recording is in progress.

Notes on "Record the TV program you're watching"

- **16:9** images are recorded at 4:3.

• To record digital satellite broadcasts from the external input terminal of this unit, turn on the power of the digital tuner and select the program you want to record. Do not turn off the tuner or switch channels until the recording is finished.

• This unit can record continuously for up to 6 hours.

Recording will stop automatically 6 hours after you start recording.

• Even if you turn off the power with the remote control or the power button of this unit during recording, Recording does not stop.

• "Recording", "Pause recording", and "Stop recording" on the operation panel or remote control works only when watching TV shows. It does not work when viewing videos, music, photos, etc., or when the unit is turned off.

• You cannot switch channels while recording.

- If the start time of the scheduled recording has passed during recording, the recording will stop. The next scheduled recording will not start until

Notes on "Reserving recording in the program guide"

• **During** dubbing to DVD, timer recording cannot be performed. Before dubbing, check the schedule list to see if recording schedule will not start during dubbing.

• If the end time of a recording reservation is the same as the start time of another recording reservation, it will be recorded only several tens of seconds before the end time.

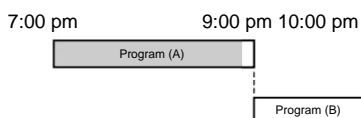
Precautions for "Reserving recording by specifying the date and time"

• If the time setting is not correct, recording will be scheduled at the desired date and time. plug.

• You can reserve programs up to one month ahead with this unit.

• **During** dubbing to DVD, timer recording cannot be performed. Before dubbing, check the schedule list to see if recording schedule will not start during dubbing.

• If the reservation end time and the next reservation start time are the same, the end of the previously recorded program (A) will not be recorded.



Precautions when listening to the audio of recorded video of bilingual broadcasts through the optical digital output

When "Dolby Digital" in [DVD Settings] is set to "On", the following I cannot switch the audio of the video.

- **Recorded** video recorded in a recording mode other than HQ

- **Dubbed** a video recorded in a recording mode other than HQ DVD

Precautions when recording dual audio programs (digital CS broadcast programs, etc.) from the external input (LINE)

If "External input audio setting" is set to "Stereo", the audio cannot be switched during playback.



tv
set

Precautions when dubbing recorded video of bilingual broadcasts

Recorded video in which both main and sub audio are recorded,

Dubbing is possible only in VR mode of DVD-RW.

See the table below for details.

at the time of recording	DVD discs and recording modes that can be dubbed			
	DVD-R (Video mode)	DVD-RW Video mode VR mode		DVD+RW (+ VR mode)
Two HDDs <small>National language recording sound</small>				
voice settings				
Main audio ●●●				●
Secondary audio ●●●				●
Main + secondary audio ●● ●				●

● It will be recorded with the audio selected in the "DVD dual language recording audio" setting.

- Only the audio of the HDD bilingual recording audio set at the time of recording is dubbed.

will be

● Both the main and sub-audio are dubbed, and the main/sub-audio can be switched during playback.

can be replaced

please note

When recording bilingual broadcasts broadcasted by an external input device, set the external input audio setting of this unit to "Dual audio" in advance.

Please specify. Recording with the external input audio set to "Stereo"

When you press the button, the HDD bilingual recording audio setting is set to "main + sub audio".

Even if you set the

increase.



tv

set



enjoy the video

Playing videos and DVDs

See page 70 for caution

You can play back videos recorded on a DVD on this unit and enjoy them on a TV connected to this unit. I can do it. You can also dub video recorded on the hard disk to a DVD.

increase.

Step 1 Press the video icon on the remote.

Step 2 Select the video icon on the screen.

Step 3 Select the video you want to see and press the OK button.

If you select a video that was stopped in the middle of playback in Step 3, playback will resume from the next scene.

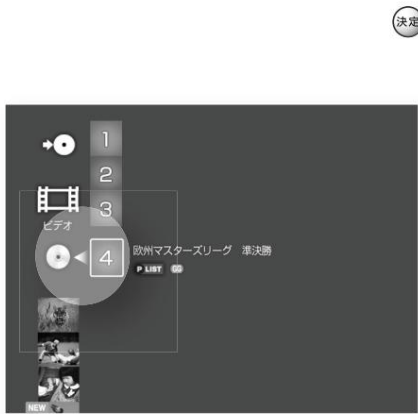
Explanation of icons that can be selected with

icon	Select and press
	Dubbing Dubbs the video on the hard disk to a DVD.
	Plays videos saved on the hard disk.
Icon displayed when a DVD is inserted	
icon	Select and press
	DVD or DVD-Video DVD-VR DVD+VR
	Play a DVD.

GG is displayed when acquiring program information from G-GUIDE.

To play a DVD-RW disc recorded in VR mode, select (DVD-VR) in Step 3 on page 52 to display a list of video titles recorded on the DVD as shown below.

Select the title you want to play from the list and press to start playing the video.




To end playback of a commercially available DVD

Step1

 Press.


Step2

Use <, to select [Yes] and  press .
DVD playback stops and the screen goes black once.
I will. After a while, the home menu
is displayed.

Operate the video being played


Step1



Press while watching an image . The operation panel will be displayed.











Step2



Select the icon you want to use with Mm<,  and press . You can use the following icons in your video.

Icons that can be used on the control panel

Some icons may not be displayed depending on usage conditions.

icon	Select and  Press
	Return Returns to the previous screen.
	Audio Switch Switches the audio of the video being played. <small>vinegar.</small>
	Jump or timed jump Play the video from the specified time. <small>vinegar.</small>
	Thumbnail registration  is selected and  pressed The displayed image is the home menu. It becomes a new icon.
	Screen display or time display Switches the screen display. The contents displayed depend on the disc. it's different.
 <small>forward</small>	Go back to the previous chapter.
 <small>backward</small>	Move to the next chapter.



video

Playing videos and DVDs (continued)

icon	Select and press
	Search (Rewind) See "Fast-forwarding/fast-reversing" (page 58) .
	Search (fast forward) "Fast-forwarding/fast-reversing" (page 58) please look at.
	throw Play the video slowly.
	throw (reverse throw) Plays the video slowly in reverse direction. <small>vinegar.</small>
	Flash + Skip to the scene about 15 seconds ahead To do.
	Flash - Go back about 15 seconds and play To do.
	Quick playback video is played back at 1.3x speed with sound x1.3 <small>increase.</small>
	<small>reproduction</small> Play the stopped video.
	Pause Pauses the video being played.
	stop Stops the video being played.
	AB Repeat Plays the specified scene repeatedly. (see right).
	Angle switching Images with different angles are collected. to switch when it is recorded. can do.
	Subtitle switching Switches the language displayed in subtitles. <small>vinegar.</small>
	1 Chapter jump You can enter numbers.
	Menu Displays the DVD menu.
	top menu Displays DVD titles.
	clear Repeat and AB repeat settings release.

icon	Select and press
	Repeat Repeat playback. each time you press Switches as follows. Play the video on your hard disk when you are Title repeat y Chapter Pete y Repeat Off When playing a DVD Disc repeat y title Pete y Chapter repeat
	setting Reduce image noise and sharpen contours or emphasize

Use the H play button and X pause button on the remote control to play, stop, or pause.

The same operation can be performed with the tan and x stop buttons.

To set AB repeat

Step1

Press during video playback. The operation panel will be displayed.

Step2

When the start point of the scene you want to repeat is displayed, select (AB Repeat) and push.

The scene when is selected is the AB repeat registered as the starting point.

Step3

The end point of the scene you want to play repeatedly appears.

Press .

The scene when is selected is the AB repeat Registered as an end point, repeating the start and end points and play.



video

Use optional functions

By using the optional function, you can edit the video saved in this unit. or rename it.

Step1



Select the icon you want to display options for Press.

Step2



Select the item you want to use with , push.

The functions that can be used with options are as shown in the table on the right.

It's Ri.

Icons that can display options

- yDVDy
- (picture)

Items that can be used with

options The displayed options differ depending on the disc or video.

option name	what you can do
Sort order change	Rearranges the images saved in the unit. For details on changing the order, see "Changing the order of recorded videos" (page 56).
reproduction	Plays the selected video.
play from beginning	Plays the DVD or the video stored in this unit from the beginning.
Protect	Protects the video stored in the unit so that it cannot be deleted or edited. will do so.
Protection lifted	Remove the protected video and remove the video Allows deletion and editing.
rename	The name of the image saved in this unit change the If you select [Rename] and press OK, keyboard appears on screen so use the keyboard to enter the name Please change. Learn more about how to use the keyboard. For details, see "How to enter characters" (page 120).
edit	Editing videos stored in the unit and skip scenes you do not want to play. can be played back. For more information about editing tasks, see Edit on" (page 59).
undo edit	Restore the edited video. For more information about undoing edits, see "To cancel the settings" (61 page).



video

Playing videos and DVDs (continued)

option name	what you can do
optimisation	<p>Change recording mode for recorded video or do not play in edit</p> <p>You can also delete the set points.</p> <p>For details on optimization, see “Optimizing video” (page 63). please.</p>
video optimization	<p>Cancels image optimization in the middle.</p>
delete	<p>Delete the images saved in the unit.</p> <p>* The video recorded on the DVD is Cannot delete.</p>
initialize	<p>DVD-RW or DVD+RW disc initialize (format) the disk.</p> <p>Before the DVD-RW starts formatting to Video mode or VR mode</p> <p>You can choose</p>
information	<p>Information such as recording date and time is displayed.</p> <p>vinegar.</p>
Title list	<p>titles recorded on the DVD.</p> <p>List.</p>

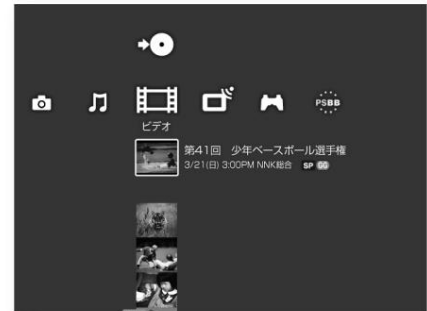


video

Change the order of recorded videos

You can sort the list of recorded videos.

Step1



Mm<, for home menu

video Filmed from

Select an image and press

The video options screen will appear.

Step2



Use Mm to select [Change Order] and press .

Each time you press in "Change sort order", the

The sort order is switched in the following order.

Date order (newest first)

m

Date order (oldest first)

m

Name order (y)

m

Name order (y)

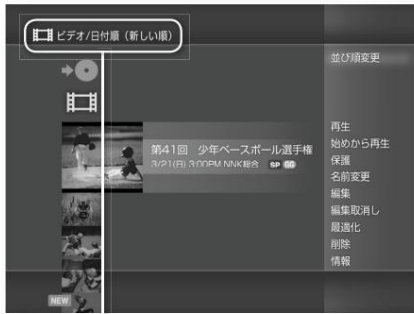
m

Genre orderm

Unviewed order

You can check the order of the currently displayed images in the upper left corner of the screen.

You can



Current sort order

Playing back video being recorded (chasing playback)

The video being recorded can be played back without stopping the recording.

Programs being recorded are displayed in the home screen displayed in (video)

Step1



video

REC Select a program with




Press. The

program being recorded will be played from the beginning.



Fast forward with sound (1.3x fast playback)

Step1

Press during video playback . The  operation panel will be displayed.


Step2



Mm<, will play  Select and press  . x1.3 the video at 1.3x speed with sound.

Fast-forward/fast-rewind


Step1

Press while playing a video. The  operation panel will be displayed.

Step2



Mm<, (rewind)  
Select (fast forward)  press .
Rewinds or fast forwards the video.

Select the fast-forward or fast-reverse icon and repeat  Each time is pressed, the playback speed changes.
increase.

If you hold down the m/M button, press

Fast-forward/fast-reverse playback only while

In addition, the settings of the L2 and R2 buttons on the remote control

If you have changed to "flash", about

Jumps (returns) to the scene 15 seconds ahead (backward).



video

Skip/Return to a slightly earlier scene

Step1

Press while playing a video. The video control panel will be displayed.

Step2

video control panel



Mm<, at (flash)

Select (Flash +) and press

When is pressed once, the scene about 15 seconds ahead (behind)

You can skip (return) to

Press twice to view the scene about 30 seconds ahead (behind)

You can skip (return) to

To assign the flash function to L2/R2

, see "Set all the L2 and R2 buttons on the remote control."

" on page 99.

To edit

See page 70 for caution

Edit while playing

While playing the video, set the scene you want to edit.

Playback skips the scene between the start point and the end point.

Step1

on the home menu from (video) (DVD) or select a video and press . An option screen appears.

Step2

Use Mm to select [Edit] and press . The edit screen is displayed.

Step3



Press at the start point of the scene you do not want to play. The start mark is fixed on the playbar.

Step4



Press at the end of the scene you do not want to play. The end mark is fixed on the playbar.

If there are multiple scenes that you do not want to play, Repeat Steps 3 and 4 before proceeding to Step 5 .



video

Edit (Continued)

See page 70 for caution

Step5



Use **Mm<**, to select **[Check Play]** and press **.** A video is played to confirm the settings can do.

After confirming that it is set correctly, Proceed to Step6.

Step6



Use **Mm<**, to select **[Done]** and press **.** The scene between the start point and the end point will be skipped during playback.

To undo the last action

⊗ Please press.

Cancels the previously set start point or end point.

pause and edit

You can check the scenes you do not want to play as still images, so you can easily set a scene that does not exist.

Step1



While the editing screen is displayed, use **Mm<**, to select **決定** Press.

Pauses the video being played.

Step2



Select the play bar with **Mm**.

Step3



<, is the first image of the scene you don't want to play

Select **決定** and press **.**

The start mark is fixed on the playbar.



video

video

Step4



<, is the last image of the scene you don't want to play

Select and press .

The end mark is fixed on the playbar.

If there are multiple scenes that you do not want to play,

Repeat Steps 3 and 4 before proceeding to Step 5 .

Step5



Use Mm<, to select [Check Play] and press . A video is played to confirm the settings. can do.

After confirming that the settings are correct, select [Finish] and press to proceed to Step 6.

Step6



Use Mm<, to select [Done] and press .

Skip playback between the start and end points will be

To jump to a scene about 15 seconds

⇨ ahead (backward) (Flash) ⇨ Select (Flash-)

決定 Press

To undo the last action

⊗ Please press.

Cancels the previously set start point or end point.

If you want to cancel the

setting, use Mm<, to select [Cancel].

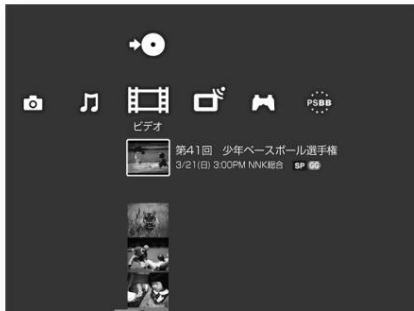




video

Setting chapter marks

You can add chapter marks to videos recorded with this unit. If you add a chapter mark, you can use the and icons on the operation panel during playback to skip to or return to the scene to which the chapter mark was added.

Step1



Press **Mm<**, for home menu  (bidet e) to which you want to add a chapter mark. Select  and press .


Step2



Use **Mm** to select "Edit" and press . The edit screen is displayed.

Step3




when you want to add a chapter mark  push.

99 chapters per video

You can add

Step4


After setting chapter marks, Use **Mm<**, to select [Done]  and press .

To cancel the set chapter mark

Step1

Press **Mm<**, while the edit screen is displayed (pause (stop) and press .

Step2

 or to select the chapter you want to cancel. Select Mark.



Step3

 Press.

The chapter mark selected in Step 2 is deleted.

To cancel all set chapter marks

Step1

Press **Mm<**, for home menu  (bidet E) to remove the chapter mark. Select an image  and press .

Step2

Use **Mm** to select "Cancel edit"  and press .

If you select "Cancel edit", the Set chapter marks and skip playback.

All edits that have been made will be undone.


Optimize your footage

See page 70 for caution

You can reduce the data size of the video or completely delete the scenes set to be skipped during editing.

Step1



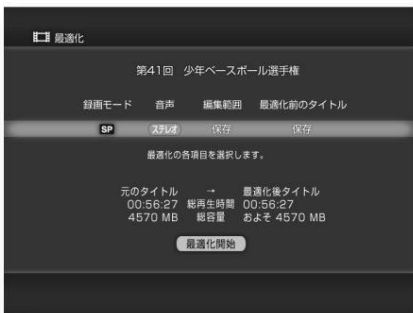
on the home menu (video)  (video)
Select an image and press . An option screen appears.

Step2



Use Mm to select [Optimize] and press .
The optimization screen will appear.

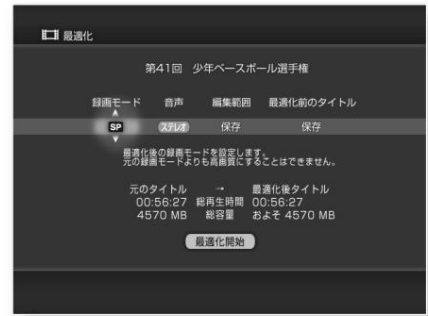
Step3



Use Mm to select the optimization setting field and press .

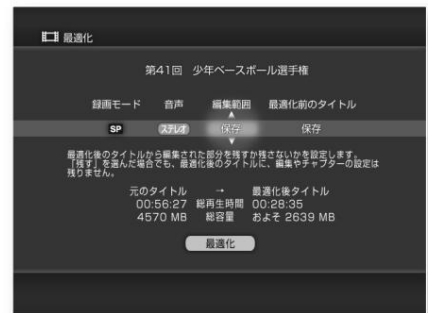
vinegar.

Step4



Use <, to select the item to set.

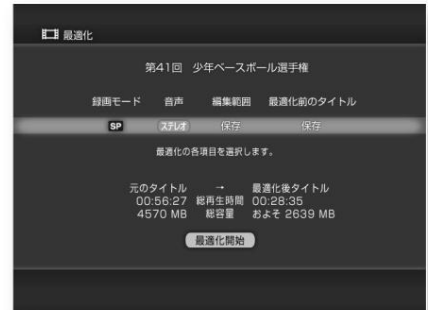
Step5



Sets the item selected with Mm.
When dubbing with DVD+RW
Select "(DVD+RW) SLP".

stomach.

Step6



After setting all items, press .

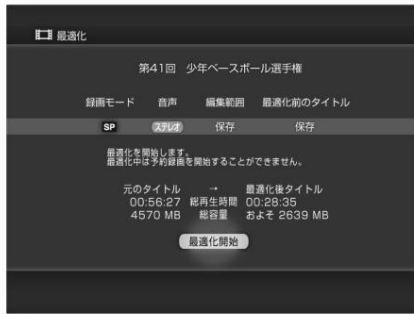


video

Optimizing the image (continued)

See page 70 for caution

Step 7



Use **Mm** to select **[Start Optimization]** and press . Optimization work begins.



A **Re-Rec** mark is displayed in the upper left of the image during optimization.

Items that can be set in Step 3

project	
recording mode	Set the image quality after optimization. Lowering the image quality reduces the data size.
audio	Set the audio recording method when dubbing the audio of video recorded in main + sub to a DVD RW (Video mode), DVD-R, or DVD+RW disc. Set whether or not to completely delete the parts set to be skipped in editing
Edit range	when optimizing. Even if you select "Keep", the edited title and chapter settings will not remain in the title after optimization.
Pre-optimization title	Whether or not to keep the pre-optimization title set. This cannot be selected when optimizing images that contain copy control signals that allow "record once only".

If you want to stop optimization halfway

through, use **Mm** to select **[Cancel Optimization]** from the option menu and press

dub to dvd

See page 70 for caution

You can dub videos recorded on this unit to a DVD. Before dubbing, prepare a DVD suitable for the purpose.

Types of discs that can be dubbed with this unit

There are several types of discs that can be dubbed with this unit.

increase.

For details on the types of discs that can be dubbed with this unit, see "This List of discs that can be played back/dubbed on this unit" (page 37). please.

About the video length that can be recorded on a DVD

Length of video that can be dubbed to DVD depending on video recording mode is different.

recording mode	hour high quality
HQ	1
HSP	1.5 hours
SP (standard)	2 times
LP	3 times
EP	4 times
SLP	6 hours

When dubbing to DVD-RW in VR mode

Before dubbing to DVD-RW in VR mode, you need to configure the list. For more information, see Edit Dubbing when dubbing video to VR mode of DVD-RW method" (page 98).

A playlist is management

information for video playback, such as the playback order. The original video and playlist are displayed in the title list of DVD-RW discs that have playlists recorded . mark is displayed.

In the playlist



If you select the original video, the parts that were set not to be played during editing will be played as they are. If you select a playlist, the parts you set not to play during editing will be skipped.

Dubbing to DVD (continued)

Flow of the dubbing wizard

Step 1 Preparing the disc for dubbing



Step 2 Select video to dub



Step 3 Select DVD menu

DVD-R, DVD-RW (Video mode), DVD+RW only



Step 4 Confirm the order to write the title



Step 5 Create a DVD menu

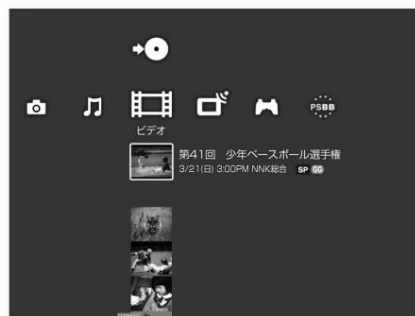
DVD-R, DVD-RW (Video mode), DVD+RW only



Step 6 Dubbing to DVD

Step 1 Prepare the disc

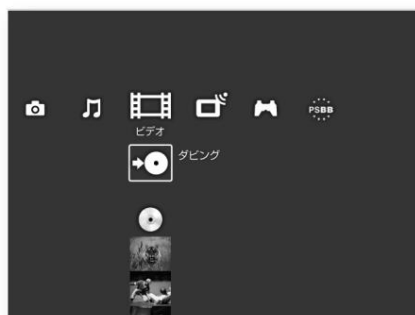
Step1



Insert a DVD disc into the Unit.



Step2



Use **Mm** to select (Dubbing) and press **決定**.

vinegar.

video

Step3



決定 Press.

Initialization (format) start screen is displayed will be

If you want to add video to a disc on which video has already been recorded For DVD-RW VR mode and DVD+RW , video can be added to a disc that has already been dubbed. If you select Step 3 in “Step 1 Prepare the disc” (page 65), a screen for executing additional recording will be displayed.



video

If you want to add, please select "Yes" here.

If you select “Yes”, proceed to Step 5 of “Step 2 Selecting the video (title) to dub” (page 67). If you select "No", proceed to Step 4 of "Step 1 Prepare the disc" (page 65).

Erasing dubbed images This unit cannot erase only part of the dubbed images.

If you want to erase the video, format the disc.

Empty space generated by erasing video recorded on a disc using another device

In the case of DVD-RW (VR mode), video can be added to this empty space.

For DVD+RW, this free space is not available.

Step4



Use <, to select [Yes] and press . An uninitialized disk is inserted. start initialization here.



For DVD-RW, refer to the list below.

After selecting the recording mode that suits your purpose, Please select Yes.

For DVD-RW, select [DVD-RW recording] Select [Change mode] to display the mode selection screen. is shown.

	Video mode	VR mode
Renewable equipment	Almost any DVD player	VR mode compatible DVD player only
DVD menu creation	possible	Unable to create
postsript	not possible	
remarks		Possible Playlist can be created

To reinitialize an already formatted DVD+RW or DVD-RW disc with the same video mode

Go to [Initialize] in the option menu of each disk.

please give me.

Step 2 Select the video (title) to dub

Step 5



Enter the titles in the order you want to dub them with Mm. Press **Select**. They will be dubbed in the selected order. screen In the pie chart displayed on the right, Dubin check the available disk space for logging. Please select a video.

If you want to change the order

1 Use Mm to select the selected title and press again **決定**.

The selection is cleared.

2 Reselect the titles in the order you want to dub and press **決定**.

Titles that can be recorded only once Titles that include copy control signals that can be recorded only once cannot be dubbed to DVD. such data

The title screen will be displayed in red in Step5.



displayed in red

If the total size of the selected titles exceeds the available space on the disc In such cases, change the title recording mode to reduce the data size so that dubbing can be done according to the available space on the disc. I can. There are two ways to change the recording mode of the title on this unit, one is to change the title recording mode automatically and the other is to change the recording mode manually .

If you want to adjust

automatically, select the title in Step 5, select [Yes] with <, and press **決定**.

This unit automatically resizes titles

To do.

When you want to adjust manually

1 At Step 5 , use Mm to select the title whose size you want to change.

△ Press.

2 Use Mm to select [Rec Mode] and press **決定**.

3 Use Mm to select the new recording mode and press **決定**.

You cannot select a recording mode with higher image quality than the recording mode before the change.

I can't

Recording modes decrease in size in the order shown in the table below.

recording mode	size	high quality
HQ	Big ↓ Small	↑ quality
HSP		
SP		
LP		
EP		
SLP		


For titles whose recording mode has been changed, the changed recording mode will be displayed as shown in the screen below.



video

If there are titles you do not want to change the recording mode for, you can protect the titles you do not want to change. can be dubbed in the original recording mode.

vinegar.

1 At Step 5 , use Mm to select the title whose size you want to change  and press .

2 Use Mm to select [Mode Fixed] and press .

The recording mode is protected, and the recording mode display after the change is marked.



video



Step6



After changing the recording mode, press .

Step 3 Choose a DVD menu design

A DVD menu is the first thing you see when you play a DVD.

A list of titles. DVD-

R, DVD-RW (Video mode), and DVD+RW discs can be played with this unit.

Can only be created when dubbing on a disc.

When dubbing using DVD-RW (VR mode), the DVD menu creation screen is not displayed. Proceed to "Step 4 Checking the Order of Writing Titles" (page 69).



Step7



Use Mm to select the DVD menu design

 Press.

When you don't want to create a DVD menu

"Create menu" displayed at the top of the DVD menu list

Please select "No".

The number of titles that can be displayed on one page differs depending on the DVD menu.

Become. Zoom in and view the DVD menu tight

Please check the number of The number of titles does not fit on one page

DVD menus with the same design are automatically added and duplicated.


It will be a DVD menu of several pages.

Precautions when adding video to a DVD+RW created with another device


is replaced by

A DVD menu created on another device is considered to have video added on this unit.

It will disappear after a while.

To enlarge and check the DVD menu design, press while selecting the design you want to check in Step 7, and select [Enlarge] with Mm. 

If you want to display the disc title name on the DVD menu, you can display the disc title name on the DVD menu. The initial setting is set so that the time when the DVD menu was created is displayed on the DVD menu.


1 While selecting the design you want to check in Step 7,  Press and use Mm to select [Rename].

A 2-character input screen will appear, so enter the disc title name. input.

Step 4 Check the order of writing titles

Titles are written in order from top to bottom.



Check the writing order of the title  Press.

If you want to change the order of the titles or change the recording mode, press < and return to Step5.

Step 5 Create a DVD menu

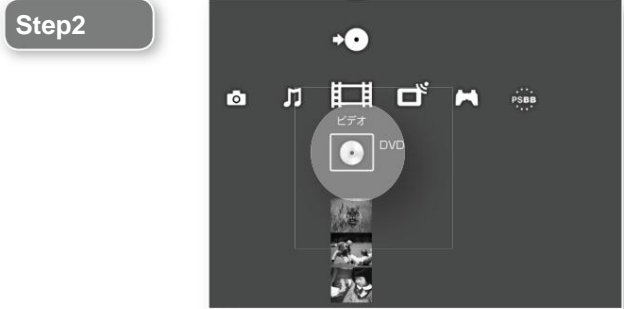
Create a DVD menu with the design you chose in step 3. Creating a DVD menu may take some time. Please wait for a while until it is created.

Step 6 Dubbing to DVD

When the menu creation is complete, dubbing will begin automatically, and finalization will be performed at the end. If optimization work occurs during dubbing, the dubbing will take some time. It may take Optimization work includes changing the recording mode during dubbing, Occurs when the recording method is changed.


Initialize the DVD

Step1 Insert a DVD disc into the unit.



Use Mm to select (DVD) and press .



Use Mm to select [Initializet] and press . DVD initialization starts.



 Press.

For DVD-RW, select [Change DVD-RW recording mode] here. and the mode selection screen is displayed. Select the recording mode that suits your purpose from the list below. Select [Yes] from

	Video mode	VR mode
Renewable equipment	Almost any DVD player	VR mode compatible DVD player only
DVD menu creation possible		Unable to create
postscript	not possible	possible
remarks		Playlist creation possible

Notes on "Enjoying Videos"

Notes on "Playing video and DVD"

- The playback settings included in the disc have priority over the settings on the setting screen of this unit, and even if they are set, the function may not work.
- **When** playing back DVD-R/-RW, only the interlace format is used. video output.

Notes on DVD DTS audio playback • DTS

audio signals are output from the digital audio output terminal. Make sure that "Optical digital output" in the main unit's settings and video "DTS" in the DVD settings are set to "On" .

- **DTS** audio signals can be output from the analog audio output. you can't.

Notes on "Playing from the last stopped scene"•For

DVDs, playback can be resumed from the last stopped scene only in the following cases. -During playback, display the cross menu with SELECT or home button. when

- When no other images, music, photos, etc. are being played

Notes on "Fast-forwarding with sound (1.3x fast-forward playback) "

cannot be

- **Audio** is not output from the optical digital output of this unit even if Dolby Digital is set to "On" when using fast playback of video recorded in a recording mode other than HQ or dubbed DVD. can't force Audio is output from the optical digital output of this unit regardless of the Dolby Digital setting for video recorded in HQ recording mode .

Notes on "Edit"

Notes on "Pause the video for editing"•The video displayed when the video is paused is set to be displayed at approximately 0.5 second intervals. Some scenes that should have been skipped may be replayed.

Notes on "Optimize video"

- When optimizing the image of a program that includes a copy control signal with "One-time recordable", the scene that includes the copy control signal is recorded in blue, and the audio is not recorded.
- When optimizing images containing copy control signals, Titles before optimization cannot be deleted.
- Chapter information set during editing is not reflected in the optimized video.
- During optimization, when playing ATRAC3 format music, Sound skipping may occur when inserting or removing a CD, "Memory Stick" or digital camera.
- If there are many recorded titles (more than 300), sound skipping may occur when ATRAC3 format music is played during optimization.
- During optimization, the following operations and functions do not work.
 - Start recording
 - reservation - Import
 - photos - Import
 - music - Dubbing -
 - Change settings
- If you play video while optimizing, the image or sound being played may be interrupted. In such cases, the optimization will still succeed.
- After optimization, the top image of the optimized title will be registered as a thumbnail.

Notes on "Dubbing to DVD"

- Depending** on the DVD device, it may not be possible to play the disc even if it is finalized correctly. may not work.
- You can finalize a disc recorded on another DVD device with this unit. you can't.
- During dubbing, recording reservations and recording cannot be performed.
- When** dubbing in Video mode of DVD-RW, the result of editing is reflected.
- When the hard disk space is low, the DVD menu cannot be created , or dubbing cannot be performed when optimization is required. may not be.
- Chapter information set during editing is optimized during dubbing. It is not reflected in the video that has been changed.
- Most programs of terrestrial, BS, and 110-degree CS digital broadcasting contain copy control signals. It is not possible to dub or move programs that include copy control signals such as "Record only once" or "Recording prohibited" to a DVD. With "PSX," programs that can be recorded only once can only be recorded on the hard disk.
- VR mode with all titles deleted on other devices, +VR mode. Additional data cannot be added to a hard disk.



ビデオ

ビデオ



enjoy music

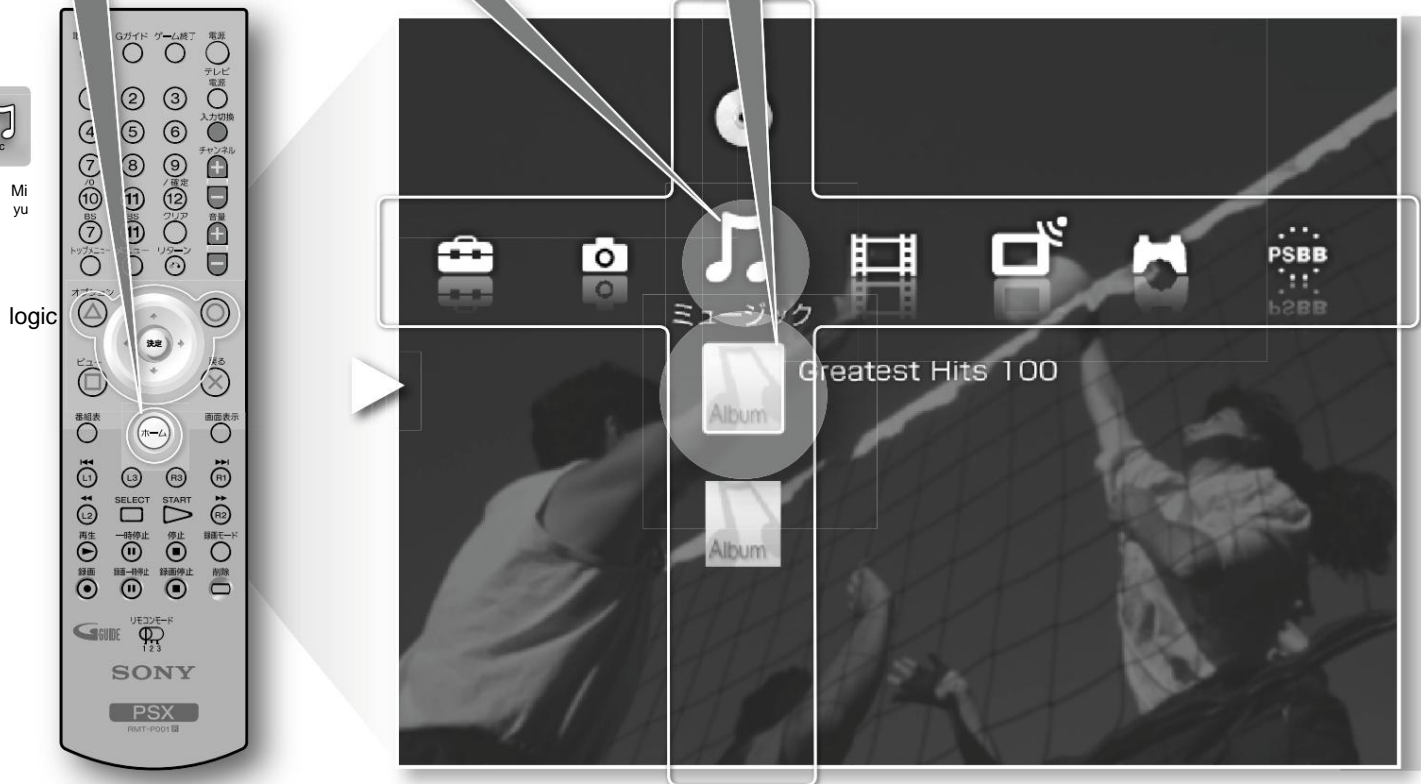
play music

See page 77 for caution

With this unit, you can listen to songs on CDs and songs saved on the hard disk. again, Using the optional function, you can save songs from a CD to the hard disk of this unit.

increase.

Press **Step1** **Step2** Music Select **Step3** or Select and press



Explanation of icons that can be selected with

icon	Select and press
album	List the songs in the album.

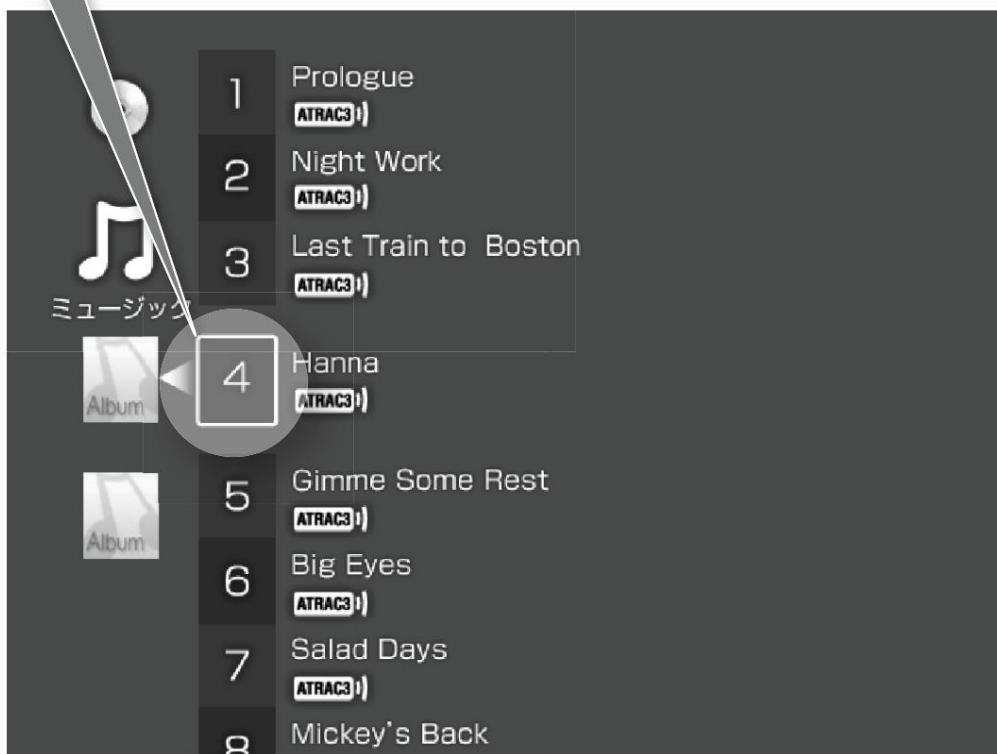
Icon displayed when a music CD is inserted

icon	Select and press
music CDs	Lists the songs recorded on the CD.

Icon displayed when a CD-R is inserted

icon	Select and press
CD-R	Displays a list of MP3 format songs recorded on the data CD CD-R.

Step4 Select the song you want to listen to and press



Mi
yu

logic

In Step 3 (including MP3 CD-R) is selected

The folder saved on the CD-R in Step 4 will be displayed, so select the song you want to listen to.

Select the folder containing please.

Press to save in the selected folder.

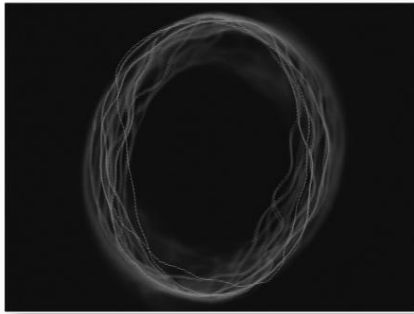
A list of songs that have been recorded will be displayed.

Select the song you want to listen to and press again please give me.

Control the song that is playing

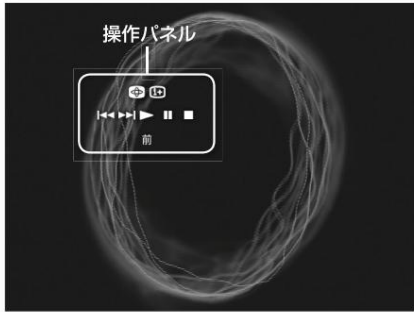
Display the operation panel when you want to pause or fast-forward the track being played.

Step1



Press while playing a song. The operation panel will be displayed.

Step2

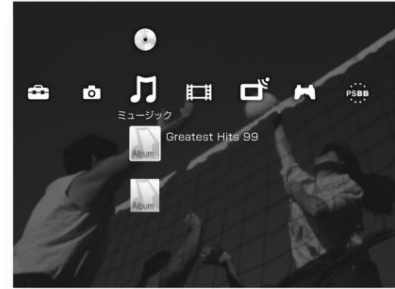


Select the icon you want to use with Mm<, and press Press.

Use optional functions

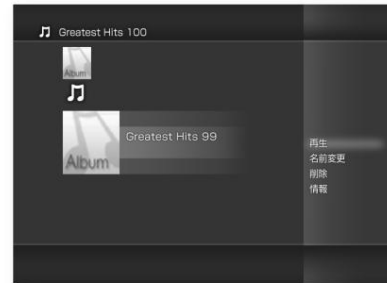
By using optional functions, you can import songs from CDs to this unit and change the name of music imported to this unit.

Step1



Select the icon for which you want to display options and press .

Step2



Select the item you want to use with Mm<, and press functions that can be used with options are as shown in the table on the right.

It's Ri.

Items that can be used on the operation

panel Icons displayed on the operation panel vary depending on the usage conditions.

icon name	what you can do
Visualizer	You can switch the image design displayed during playback.
Screen display	Switches the screen display.
forward	Moves to the beginning of the currently playing song or the previous song.
next	Move to the beginning of the next song.
reproduction	Plays the stopped song.
Pause	Pauses the song that is playing.
stop	Stop the song that is playing.

Icons that can display options

- (music CD or data CD)
- (album)
- (folder)
- (song)

Items that can be used in

options The options that are displayed differ depending on the disc, album, folder, or song. See page 74 for details.

option name	what you can do
reproduction	Play the selected song.
capture	You can play songs from music CDs or CD-Rs on this unit's hardware. to a hard disk. For details, see "Importing CD tracks to this unit" (right) and "Importing MP3 songs to this unit" (page 76). <small>stomach.</small>
rename	Change the name of an album on the unit or a song saved in an album. Select [Rename] and press OK to display a keyboard on the screen. Use the keyboard to change the name. For details on how to use the keyboard, see "How to enter characters" (page 120).
delete	You can delete albums on the unit or songs saved in albums. * Songs recorded on the CD are deleted. you can't.
information	Information about CDs, folders, songs, etc. It shows.

Import to this unit

See page 77 for caution.

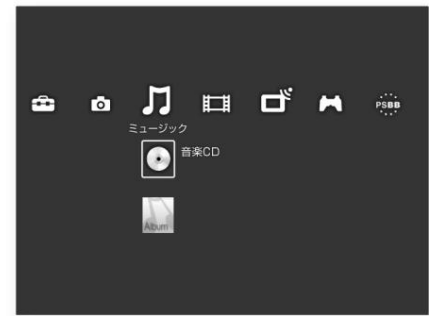
Importing songs from a CD into this unit

You can import songs from music CDs to this unit. music CD

When importing from a file, save it on the hard disk in ATRAC3 format.

increase. For information on how to set the sound quality when importing music CDs, see "Setting the sound quality when importing CD songs" in "Making music settings" (page 104).

Step1



Mm<, for home menu



from

Select (CD) and press .

Step2



Use Mm to select [Import] and press .

Importing will start. follow the instructions on the screen

Please take it into the album.



mi
yu

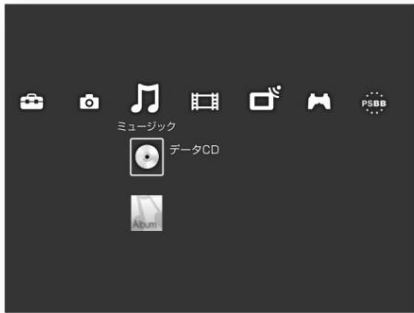
logic

Importing MP3 songs to this unit

MP3 files stored on a CD-R can be imported to this unit.

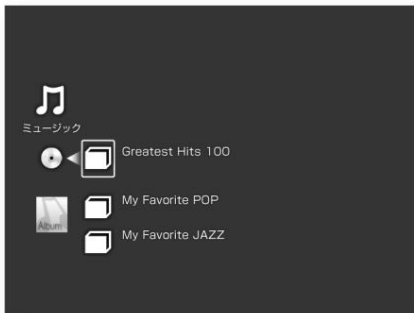
Import by folder

Step1



Mm<, for home menu from
 Select (Data CD) and press .

Step2



Select the folder you want to import with Mm push.
 A folder options menu will appear.
 increase.

Step3



Use Mm to select [Import] and press .
 Importing will start. on screen instructions
 Therefore, import MP3 files.

The songs are imported to the specified album.

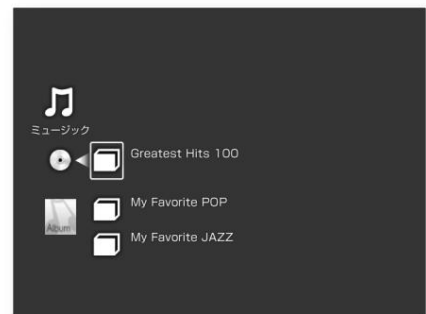
Import MP3 files

Step1



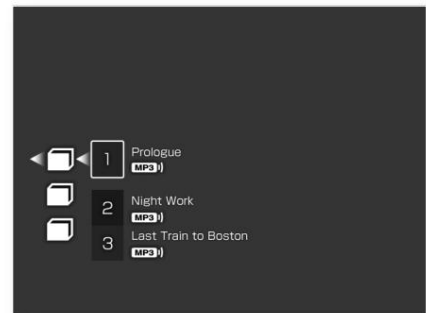
Mm<, for home menu from
 Select (Data CD) and press . A
 folder will appear.

Step2



Use Mm to select a folder and press .

Step3



Select the MP3 file (song) you want to import with Mm.
 press Select .

Step4



Use Mm to select [Import] and press .
 Importing will start. Follow the on-screen
 instructions to import MP3 files.

Notes on "Enjoying Music"

Notes on "Playing Music"

- CDs created on a computer may not play.
- Some CDs may not be playable on this unit.
- ATRAC3 format audio captured on the hard disk cannot be output from the optical digital output terminal of this unit.
- The HD layer of SACD cannot be played.

Precautions when playing DTS audio

from a **CD** When playing a CD recorded with DTS, extremely loud noise will be output from the analog output. When connecting the analog outputs of this unit to an amplifier, extreme care must be taken to avoid damaging your system. To enjoy DTS Digital Surround™ playback, you must connect an external 5.1-channel DTS Digital Surround™ decoder to the digital output of this unit. If you play DTS audio from a CD while connecting to an audio device that does not have a built-in DTS decoder, you will hear noise from the digital audio output.

Notes on "Controlling the song that is playing"

- If you continue to look directly at the Visualizer in a dark room, it may cause symptoms such as epilepsy. Brighten the room or switch the Visualizer to a still image.

Notes on "Importing songs from a CD to this unit"

- Importing** songs from a CD that does not conform to the CD standard into this unit is you can't.
- The following CDs cannot be imported to the hard disk of this unit.
 - Label Gate CD
 - DTS-CD
- When** importing tracks from a CD, press the Z button or $\wedge/1$ (power button). (source) button.
- Music** discs with copyright protection technology that does not conform to the CD standard may not be imported.

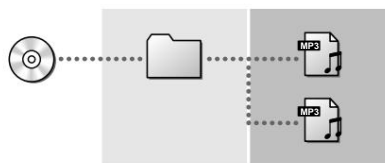
Precautions when playing MP3 files saved on a CD-R on this unit

MP3 files that can be played on this unit must be saved using the following methods. CD-R only. MP3 files saved in other ways cannot be played.

Creating and saving folders and files

Create a folder directly under the CD-R (root) and save the MP3 files in that folder .

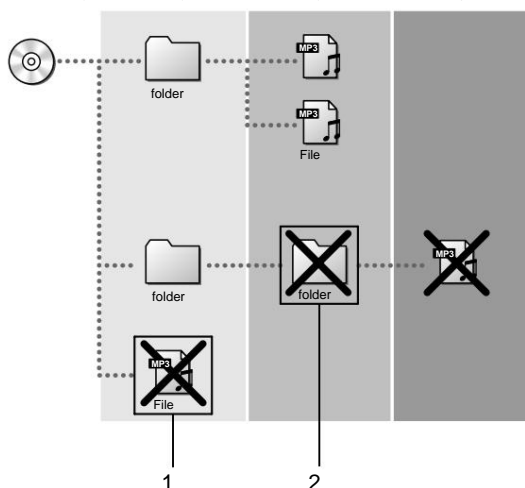
CD-R 1st layer (immediately below CD-R) 2nd layer



Precautions when creating and saving folders and files

- MP3** files written directly under the CD-R (root) are not recognized by this unit (1).
- Do not create folders within folders (2).

CD-R 1st layer (immediately below CD-R) 2nd layer 3rd layer



- Do not create more than 40 folders on one CD-R.

- Save** more than 100 MP3 files in one folder please don't

Precautions when naming folders and files

- Set the file name within 64 characters.
- Do not use single-byte characters such as "<", ">", "|", ":", "*/", "\\", ":", "?", and "\". please don't
- File names and folder names may not be displayed correctly if they do not conform to ISO9660 Level 1, Level 2, Extended Format (Joliet).
- When naming the file, add the extension ".mp3" to the end of the file.



Mi
yu

logic

•If you add the extension ".mp3" to a file other than MP3 format, the file may be played back, which may cause noise or malfunction.

•Track names in MP3 files on a CD-R are displayed with reference to ID3 tag information if an ID3 tag exists, but there is a limit to the number of characters.

•The track names of MP3 files imported to the HDD are display the file name, but the number of characters is limited.

Precautions when writing MP3 files to a CD-R on a computer

- Be sure to use a CD-R.
- Be sure to write with "Disc at once".
- Do not write to a CD-R that has already been written.
- Depending on the state of the disc, it may not be possible to play it.
- Discs recorded in multisession cannot be played.
- CD-RW is not supported.
- Packet light is not supported.



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Formats supported by this unit

CD-R file system	file name character limit
ISO9660 Level 1	8.3 Form
ISO9660 Level 2	Maximum 31 characters (including extension)
Extended format (Joliet only) Max 64 characters (including extension)	

⁹ Folders are only supported up to one level.

Standards for writing to CD-Rs supported by this unit

project	Supports MPEG1 MPEG2	
	Layer3	Layer3 Mode 2 (Variable)
write mode	48KHz, 44.1KHz, 32KHz	
Compression method (sampling rate)	24KHz, 22.05KHz, 16KHz	
bit rate	32k ~ 320kbps ⁹ 8k ~ 160kbps ⁹ VBR also available* VBR also available*	
number of files	99 (per folder)	
39 albums (folders)		
Album (folder) hierarchy	1	
Multi-session	not supported	
m3u playlist	not supported	
mp3PRO format	incompatible	

⁹ For VBR, the playback elapsed time display may differ from the actual time.



Music

Mi
yu

logic

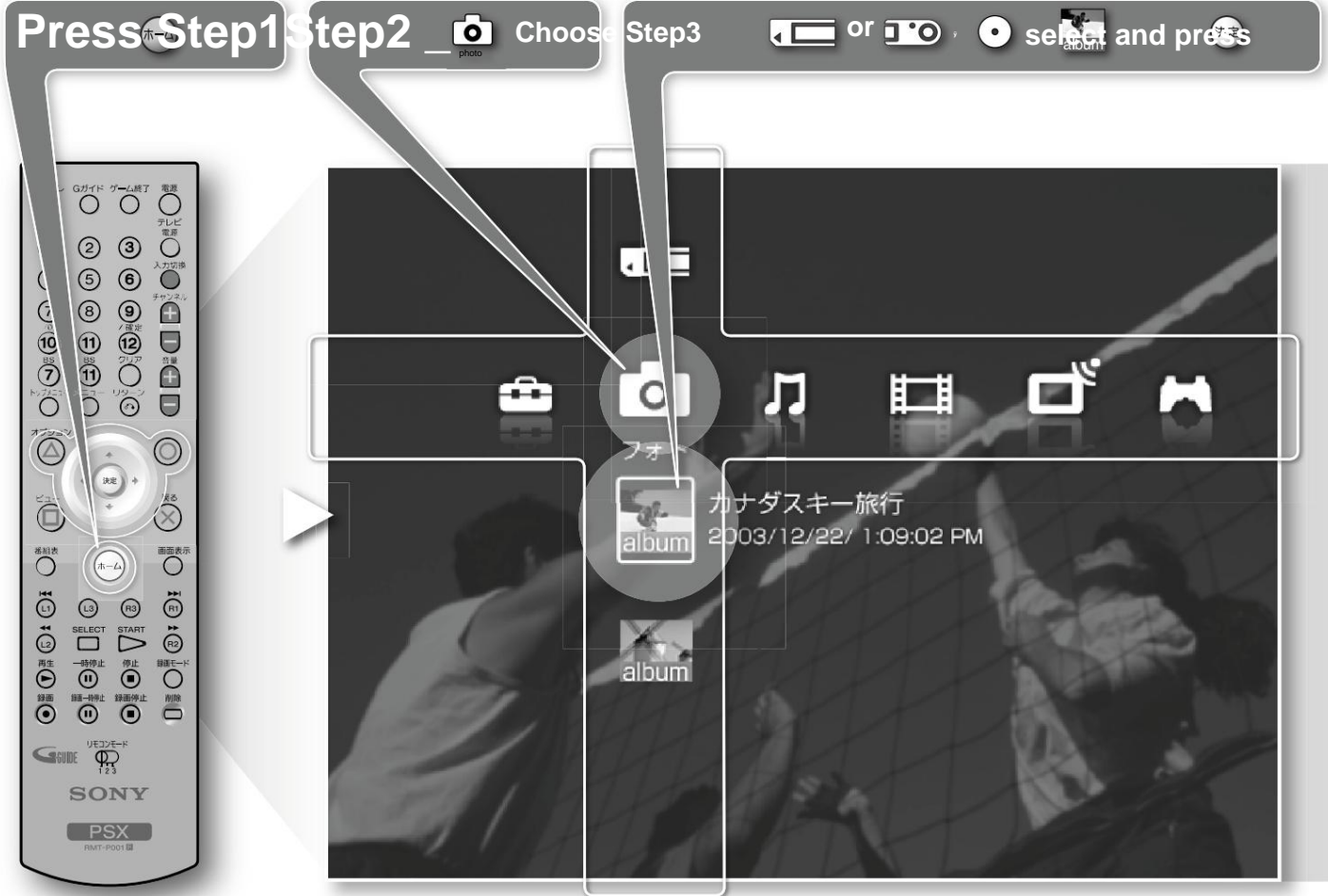


enjoy photos

Play photo

See page 85 for caution.

You can display photos taken with a digital camera or imported to this unit. You can also display photos saved on a "Memory Stick".



Explanation of icons that can be selected with

icon	Select and press
	Album Displays a list of photos saved in the album.

Icons displayed when connecting or inserting a "Memory Stick"

icon	Select and press
	"Memory Stick" Displays a list of photos saved on the "Memory Stick".
	Digital camera Display a list of photos saved in the digital camera.
	Displays a list of photos saved on the data CD disc.

Pictures and videos that can be played back on this unit

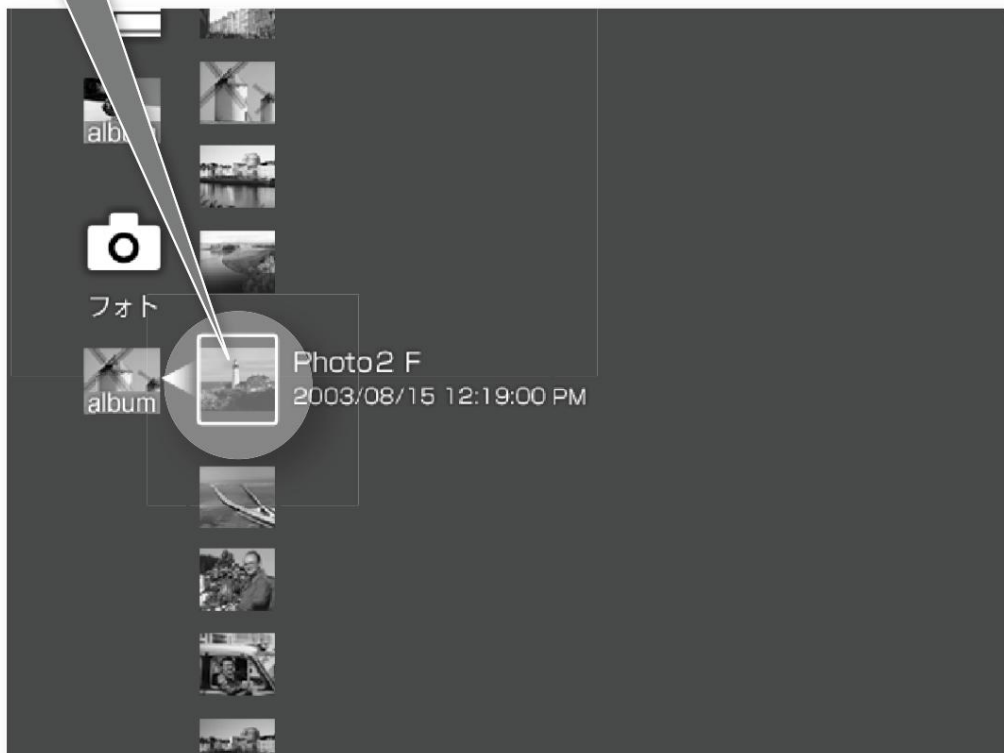
- Photos and movies that can be played back on this unit are JPEG/ GIF/

Pictures in TIFF format, movies in MPEG1 format, and Clip Motion I will.

Also, in order to play back photos stored on a "Memory Stick" or digital camera, the photos must be saved in DCF format. For information on how to save files to a "Memory Stick," see "How to save still pictures and video files to a "Memory Stick" " (page 124).

when.

Step4 Select a photo or video and press



For information on how to create a CD-R, see "How to save files to a CD-R" (page 123).

•Videos in MPEG1 format with high bitrates such as HQ mode and VX mode are not correct. It may not always play.


- It may take some time to play MPEG format movies or TIFF/GIF format pictures from a "Memory Stick", CD-R or digital camera. In such a case, import the entire folder containing the movies or photos you want to play back to the unit and then play them back.



- View video files as a slide show cannot be shown.

•For photos with a large file size, icons may be displayed instead of thumbnails.

If you  or ,  chose in Step 3

Images saved on a "Memory Stick", digital camera, or disk in Step 4 folder will be displayed.

Press  Select.

 Press to save to the selected folder
A list of photos and videos that have been
Select the photo or video you want to view, press  again.

stomach.

Playing back photos (continued)

See page 85 for caution.

Display in order (slide show)

Displays photos saved in albums on the unit in order.

Use Mm to select [Slideshow] from the option screen and press . You can change the display speed of the slideshow by selecting "Set the display speed of the video show" (103 page).

Control photos and videos that are playing

Step1



Press while viewing a photo. The operation panel will be displayed.

Step2



Select the icon you want to use with Mm<, and press. When viewing photos, use the icons can be used.

Icons that can be used on the operation

panel Some icons may not be displayed depending on usage conditions.

icon	Select and press
	Rotate (left) Rotates the displayed image 90 degrees counterclockwise. Let
	Rotate (Right) Rotates the displayed image 90 degrees clockwise. Let
	make it an album cover Photos as album icons is registered.
	Screen display Switches the screen display.
	Previous Photo Displays the previous photo.
	Next Photo Displays the next photo.
	reproduction Play the stopped photo.
	Pause Pauses the photo that is playing.
	stop Stop the photo that is playing.

Use optional functions

Using optional functions, you can import photos to the device and change the names of photos imported to the device.

Step1



Select the icon you want to display options for
 Press.

Step2



Select the item you want to use with **Menu**,
 push.

The functions that can be used with options are as shown in the table on the right.

It's Ri.

Icon that can display options (album)



(data CD)



(folder)



(Photo)

Items that can be used with

options The options that are displayed differ depending on the disc and album. Please see the left for details.




option name	what you can do
reproduction	Play the selected photo.
slide show	Displays photos saved in albums on the unit in order.
Capture	"Memory Stick" or digital Folders saved in the camera or photos on the hard disk of this unit. Import.
rotate (left)	saved in the album of the unit Rotate the photo left by 90 degrees.
rotate (right)	saved in the album of the unit Rotate the photo right by 90 degrees.
rename	The name of the album and the name of the album Rename a stored photo increase. If you select [Rename] and press OK, keyboard appears on screen so use the keyboard to enter the name Please change. Learn more about how to use the keyboard. or "How to enter characters" (page 120).
delete	saved in the album of the unit Delete photos.
information	Information such as the shooting date and time is displayed. vinegar.



Fo





door

Import to this unit


 ("Memory Stick") or  (Digital camera),
 Movies and clip motions saved on (Data CD)
 can be imported into the unit.

Import by folder

Step1

Mm<, for home menu  (fo
 from)  ("Memory Stick")
 or  (digital camera), (data
 CD) and press .


Step2

Select the folder you want to import with  Mm
 push.
 A folder options menu will appear.

increase.





Step3




Use Mm to select [Import] and press .
 Importing will start. follow the instructions on the screen
 Please import the folder.
 The video is imported to the specified album.

import file

Step1


Mm<, for home menu  (fo
 from)  ("Memory Stick")
 or  (digital camera), (data
 CD) and press .

Step2

Use Mm to select a folder and press .


Step3



Use Mm to select the video you want to import and press .

Step4



Use Mm to select [Import] and press .
 Importing will start. follow the instructions on the screen
 So please import the file.



center
Oh
door

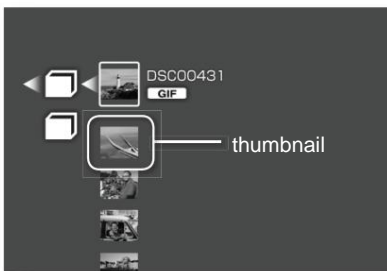
Notes on "Enjoy Photos"

Notes on "Playing Photos"





- Photos edited on a computer may not play back on this unit.
increase.
- Do not remove the "Memory Stick" or the USB cable connecting the digital camera while displaying or importing photos .
- Some photos may take time to display.

About the time it takes to display thumbnails of photos

When there are many GIF-format photos (files), it may take a long time to display the thumbnails, but this is not a malfunction of the camera. Please wait for a while until the thumbnail is displayed referring to the guideline below. Please note that turning off the power while thumbnails are being displayed may cause malfunction.



Estimated time until GIF format photos are displayed (This is a guideline for displaying thumbnails of 200 photos on the screen)

 ("Memory Stick") or	It takes about 2 to 3 minutes
 (digital camera)	
 (CD-R)	takes about 1 minute
 when the album	takes about 1 minute

Depending on the number of files to import, it may take a very long time* to import photos, **but** this is not a malfunction of the camera.

not.

Note that turning off the power while importing photos may cause malfunction.

* It may take 30 minutes or more to import 200 photos at once.
I will.

Notes on displaying

photos•Some Sony digital still cameras "Cyber-shot" have a text mode that captures text in black and white. This unit cannot display or import GIF files shot in this mode . This unit supports clip motion.

- This unit does not support voice memos.



Fo

door



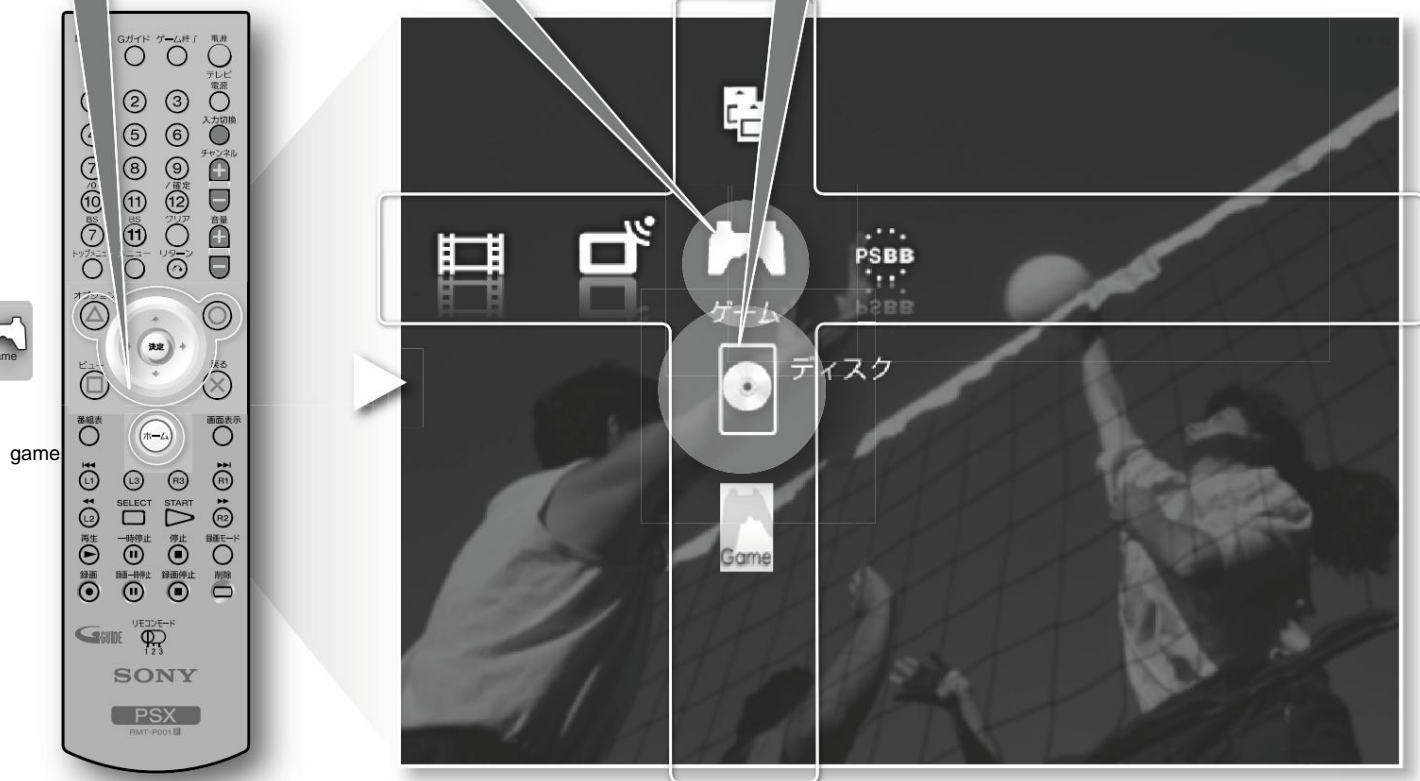
enjoy the game

play the game

See page 90 for caution

You can enjoy game software compatible with "PlayStation" and "PlayStation 2". Also, game software that can be installed on the hard disk cannot be installed on the hard disk of this unit. You can also install it on For preparations when using the game, See "Getting ready to game" (page 22).

Step 2 Game pressing Step 1 Select Step 3 O select and press





Explanation of icons that can be selected with

icon	Select and press
memory card utility	Displays the PlayStation 2 memory card (8MB) or save folder for game save data (88 page).
game title	Start the game installed on your hard disk.

Icon that appears when a disc is inserted

icon	Select and press
disk	Start the game from disc.

start the game

To start a game on a game disc After inserting the game disc, press Mm<, to open the home menu of  Select (Disc) from  (Game).

The "PlayStation" or "PlayStation 2" game will start.

To start a game installed on this unit

Mm<, for home menu  (game) to  (game title) and press .

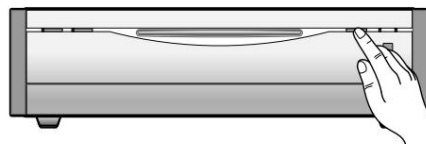
The "PlayStation" or "PlayStation 2" game will start.


For information on how to operate the game, please refer to the instruction manual that comes with the game software.

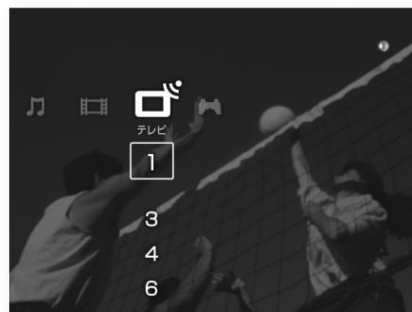
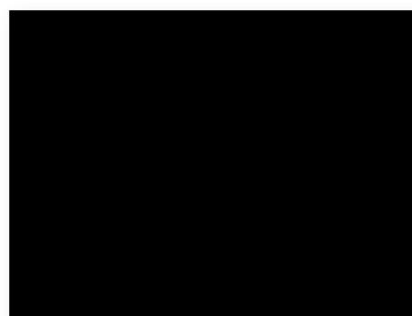
quit the game

See page 90 for caution

Even if I press the home button during the game, the home menu cannot be displayed. If you want to use functions other than games on this unit, press the QUIT GAME button to display the home menu.



 QUIT GAME Press



After a short time



Pressing the QUIT GAME button does not stop recording or scheduled recording.



game

Other Game Operations

See page 90 for caution

Use optional functions

By using the optional function, you can play games installed on this unit. information can be viewed or deleted.

Step1



Select the icon you want to display options for

Press.

Step2



Select the item you want to use with , push.

The functions available as options are shown in the table below.
It's Ri.

Icon (disk) that can display options



(game title)

Items that can be used with options

The options that are displayed differ depending on the disc or game title. For details, please refer to the right.

option name	what you can do
start	Play the game of your choice.
delete	Delete games installed on your device. * Games recorded on the disc cannot be deleted.
information	Information about the game is displayed.

Using Memory Card Utility

When using Memory Card Utility, folders and save data can be duplicated or renamed.

Step1



Select the icon you want to display options for

Press.

Step2



Select the item you want to use with , push.

The functions that can be used with options are as shown in the table on the right.
It's Ri.

Icon that can display options (Memory Card Utility)



Card Utility)



(folder)



(Save data)

Items available in options

Memory Card Utility, Folders and Memory Cards,

The displayed options differ depending on the save data.

option name	what you can do
Create folder	Create a folder.
rename	Rename the folder. If you select [Rename] and press OK, keyboard appears on screen so use the keyboard to enter the name Please change. Learn more about how to use the keyboard. Or see "How to enter characters" (page 120).
copy	Duplicate folders and save data increase.
move	Save data to another "PlayStation 2" dedicated memory card (8MB) or to the memory card.
delete	Delete folders and save data increase.
information	Regarding folders and save data Information is displayed.

Install the game on your hard drive

For details on how to install the game, refer to the instruction manual that comes with each game.

Only games that support installation on the hard disk can be installed on the hard disk of this unit.



game

Notes on "Enjoying the Game"

Notes on "playing games"

- Some games cannot be played on this unit.
- This unit can be used with "PlayStation" or "PlayStation 2".
Not compatible with instruments.
 - "PlayStation 2" dedicated multi-tap - "PocketStation"
 - Multi AV cable (VMC-AVM250)
- Some devices compatible with "PlayStation" or "PlayStation 2" cannot be used with this unit.
- Since this machine has only one USB terminal, it is not possible to play with two controllers connected to the USB terminal at the same time.
Even if you use a commercially available USB hub, you cannot play by connecting two at the same time .
- This unit does not support the following "PlayStation 2" discs.
plug.
 - "PlayStaion BB Navigator"
 - "PlayStation 2" exclusive DVD Player - Linux (for PlayStation®2)
 - Utility disk
(As of June 2004)
- You cannot manually stop recording on this unit while playing a game.
- Even if you try to save game data that requires a memory card (8MB) dedicated to "PlayStation 2" or that requires more space than the available space on the memory card, you will not be able to save.
Before playing the game, check the space required for saving data and the free space on the card. For the capacity required to save data, please refer to the instruction manual that comes with each game.



game

Notes on quitting the game

- Press the QUIT GAME button after removing the disc.
Some games cannot be finished even if the
In this case, insert the disc again. For games without a disc, wait a while and then press the QUIT GAME button again.

Other Game Operations

Precautions when copying save data•Do not remove

the "PlayStation 2" dedicated memory card (8MB) or the memory card while copying data.

Precautions when transferring **save data to another "PlayStation 2" dedicated memory** card (8MB) or memory card•Do not remove the

"PlayStation 2" dedicated memory card (8MB) or the memory card while data is being transferred. .

Precautions when deleting folders•Do not

remove the PlayStation 2 memory card (8MB) or the memory card while copying or deleting data .

Precautions when deleting saved data•Do not

remove the "PlayStation 2" dedicated memory card (8MB) or the memory card while deleting data.

Precautions when displaying folder information

- You cannot save or load game data with Memory Card Utility. For details on how to save and load game data, please refer to the instruction manual that comes with each game.

When using an S-video cable to connect this unit to a wide-screen TV (TV with a screen aspect ratio of 16:9)

When enjoying the game, use the wide switching function of the TV, Change the screen aspect ratio to 4:3. If you display the game screen on the TV with 16:9, the game screen Top and bottom are not displayed correctly.

* Connect this unit and TV with a cable other than an S-video cable. the above changes are not required.



▼ 4:3 on the TV side switch




For information on how to switch TV screens, refer to the installation instructions for your TV. Please refer to the instruction manual.

When using a controller developed specifically for a specific game

If you connect a dedicated game controller for anything other than playing games, this unit may not work properly. When not enjoying the game, remove the dedicated game controller and use the supplied remote controller. or the separately sold "PSX" dedicated analog controller (DUALSHOCK 2) (DESR-10).

Precautions when using a dedicated game controller

When you enjoy games that Please insert the roller.

- Select the game's [Disk icon] or [Game icon]  Press.
- When the game screen appears, connect the dedicated game controller. Do not insert the dedicated game controller before the game screen is displayed.

When you plug in the game controller, the game controller There are games that can only be operated in LA. Included remote control or the separately sold "PSX" dedicated analog controller (DUALSHOCK Note that you may not be able to operate in 2).



game

Precautions when playing games with the supplied remote control

- Depending on the game, remote control button operations may not work properly. may not be.
- Pressing multiple buttons on the remote control at the same time does not work.

Enjoy PlayStation®BB “PlayStation®BB”

By using “PlayStation®BB” on this unit, you can use the content provided by game software manufacturers and Internet service providers.

You can browse the content that is displayed.

Various contents of “PlayStation® BB”,

To view the “PlayStation® BB” info, the system must be connected to the network. For details on how to connect to a network, refer to page 112 “Network Connections and Settings” of the owner’s manual that comes with the “PSX” .

Step1

Mm<, for home menu



Select the channel you want to view from (“PlayStation® BB”) and press .

Connects to the network and displays the selected channel.



Service content provides content game software makers and Internet Varies by internet service provider I will. For details, refer to each game software manufacturer or internet service Please contact your provider.

Browse “PlayStation® BB” info

“PlayStation® BB” info contains the terms of use for “PlayStation® BB”.

Mm<, for home menu



Select [“PlayStation® BB” Info]

from (“PlayStation® BB”) and press .



Precautions when using “PlayStation®BB”

- You can download “PlayStation® BB” content using this unit. cannot be downloaded.
- A message will appear on the screen when you try to download from each channel of “PlayStation® BB”, but this is not a malfunction.



- You cannot view paid content on this unit.

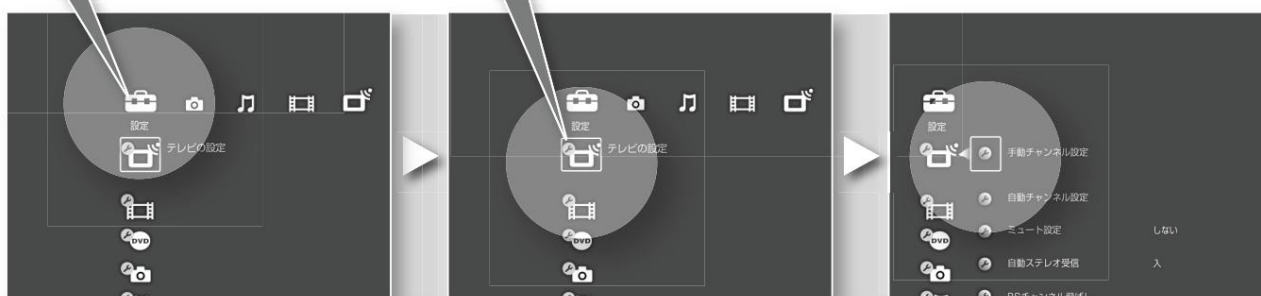


set up the tv

How to display the TV setting screen

Step 1 Choose

Step 2 select and press



Manually set the receiving channel

1 Use Mm to select [Manual channel setting] from the TV setting screen.

決定 Press.

2 Use Mm to select the channel you want to set and press .

TV's 3 Use <, to select the item you want to change.

4 Set with Mm and 決定 .

Item list

Receive channel

Make settings

You can set the channel to receive.

guide channel

You can manually set the channels to be displayed in the program guide. Refer to "Guide channel list" (page 136) to set.

When watching BS broadcasting via CATV, the BS channel may be different . In such cases , set the BS broadcast guide channel to the channel receiving the BS broadcast.

For guide channels of BS broadcasts, see "About guide channels of BS broadcasts" (page 139).

channel skip

Set so that the selected channel is not displayed in the home menu channel list.

GRT

It recognizes the ghost removal reference signal sent from the broadcasting station and reduces ghosts generated by jamming waves caused by buildings, topography, etc.

automatic tuning

Automatically adjusts for optimal reception. 94

please note

•GRT works after a few seconds after switching channels,

The ghosts are decreased in order from the strongest ghosts. At this time, the image may flicker momentarily. Also, if the signal is weak, GRT may take longer than usual.

•When installing or adjusting the antenna, if you turn "GRT" to "OFF", You can check the direction with few ghosts.

•Because the effect is not sufficient in the following cases, turn off "GRT"

please give me.

- When the ghost is too strong

- When more than 10 waves of ghosts are happening at the same time

- Inconsistent ghosts such as ghosts reflected by airplanes

When

- Antennas, such as indoor antennas, have not been properly installed or adjusted.

when

Automatically set the receiving channel

Automatically set the receivable channels.


1 Use Mm to select [Auto Channel Setting] from the TV setting screen.

決定 Press.


2 Select [Execute] using <, and press 決定

Automatic channel setting starts.

Hiding channels with poor reception

1 Use Mm to select [Mute settings] from the TV settings screen . 

push.

2 Use Mm to select a setting  and press .

Item list

 do


Avoid receiving channels with poor reception.

 do not do


It also receives channels with poor reception.

Automatically output stereo sound

This setting is for automatically switching to stereo sound when receiving a stereo broadcast.

1 Use Mm to select [Auto Stereo Reception] from the TV setting screen. 

Press.

2 Use Mm to select a setting  and press .

Item list

 enter

Automatically switch to stereo sound.

 cut

Outputs in monaural sound.


Hide BS channels you don't watch


Set so that unused BS channels cannot be displayed

I can.

1 Use Mm to select [Skip BS channel] from the TV setting screen.

 Press.

2 Use Mm to select a channel and .

3 Select the setting with Mm  and press .

Item list

 do

Makes it impossible to select a station.

 do not do

Allows you to select.

Check the reception status of the BS antenna

Use Mm to select [BS Antenna Level Display] from the TV setting screen.


 Press.

You can check the reception status of the BS antenna.


so that the antenna level is as close to maximum as possible,

Adjust the orientation of the antenna.

Setting the power supply method for the BS antenna

1 Use Mm to select [BS Antenna Power] from the TV setting screen. 

Press.

2 Use Mm to select a setting  and press .

Item list

 enter

Power is always supplied to the BS antenna when the unit is turned on.

 cut


Does not supply power to the BS antenna.

Setting the area code of the program guide


Even the same broadcasting station has different channels depending on the region.

To use the program guide, set the area code for your area.

to display the program guide appropriate for that area.

1 Use Mm to select [Area code settings] from the TV settings screen, then .

push.

2 Use Mm to select an area  and press .

If you do not know the area code, refer

to "Guide Channel List" (page 136) and select the area code that includes more broadcasting stations in your area. You can check the broadcasting stations in your area by looking at the TV section of newspapers.

In the following cases, change the guide channel setting using "Manually set the receiving channel".

- The displayed channel in the table is different from the TV channel
- Using cable TV or an apartment community reception system, etc.

In case of use, the display channel in the table is different




Setting u

Setting the channel for acquiring program information in the program guide

Program guide data is sent from broadcasting stations marked with "y" in the "Guide Channel List" (page 136) (as of June 2004).

1 Use Mm to select [Acquire program guide channel] from the TV setting screen.

press 

2 Use Mm to select a channel and press .


Setting the time for acquiring program information in the program guide

The program information in the program guide is obtained at different times depending on where you live.


Become. If you specify an incorrect time, the program information is received correctly

Since it will not be possible, unless there is a notice from the broadcasting station,


Please do not change the time.

1 Use Mm to select [Program guide acquisition time] from the TV setting screen. 

Press.

2 Use Mm to select the desired field and press . 3 Use

<, to select the item you want to set, and use Mm to set it.

4 After setting the item you want to change, press .

 please note

- Do not manually change [Channel to get the program guide] and [Time to get the program guide] except when the broadcasting station or time to transmit data changes due to the host station. If you change it by mistake, you will not be able to get the program guide. In that case, select [Auto channel setting] from the TV setting screen and redo the automatic channel setting. For details, contact the Customer

TV's

Make settings Service Center (back cover).



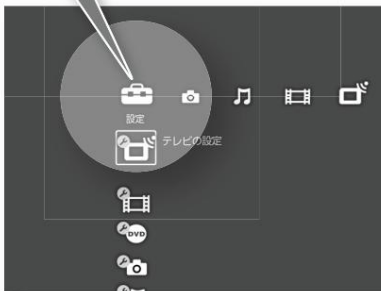
Video settings

How to open the video setting screen

Step 1



to choose



Step 2



select and press



Video setting screen



Setting the recording mode

When recording, the recording mode selected here will be the normal setting.

1 Use Mm to select [Recording Mode] from the video settings screen and press .

vinegar.

2 Use Mm to select a recording mode and press .

About recording modes This

unit has 6 recording modes. If you want to record with high image quality, select a recording mode with high image quality such as HQ.

If you want to record more video on the hard disk of this unit,

Select a recording mode such as SLP.

Recording mode	Recordable time	
	DESR 7100	DESR 5100
HQ* high image quality	about 53 hours	about 33 hours
HSP	About 81 hours	About 51 hours
SP (Standard)	About 107 hours	About 67 hours
LP	About 164 hours	About 103 hours
EP	About 217 hours	About 137 hours
SLP	About 325 hours	About 204 hours

* Audio is recorded in LPCM (linear PCM) in HQ mode. When not in HQ mode, audio is recorded in 2-channel Dolby Digital.

please note

- The recording mode cannot be changed during recording.
- If you change the hard disk area, the recordable time will also change. I will.
- Recording stops automatically 6 hours after recording starts.

vinegar.

Setting DVD-RW dubbing method

During dubbing, the recording mode set here will be the standard setting.

vinegar.

1 Select [DVD-RW recording mode] from the video setting screen with Mm. Press and .

2 Use Mm to select a mode and press .

Item list

DVD-Video

Dubbing DVD-RW in Video mode.

DVD-VR

Dubbing DVD-RW in VR mode.

About DVD-VR mode

When dubbing to DVD-RW in VR mode, you can choose to dub with the edited section deleted or dubbed with a playlist without deleting the edited section. See page 64 for details.





Make vid


Setting the dubbing method when dubbing edited video to DVD-RW VR mode

By dubbing video that has been edited in the VR mode of a DVD-RW, you can create a playlist or delete parts that were set not to be played during editing before dubbing.


Step1

Mm<, for home menu  (setting)
Select [Video settings] from  and press .

Step2

Use Mm to select [VR Mode Playlist] .
Press.

Step3

Use Mm to select the dubbing method  and press .

Item list

Dub the

created playlist and the original video. Parts that were set not to be played during editing remain in the original video.


do not create

The original video is dubbed after deleting the parts that were set not to play during editing.

A playlist is management

information for video playback, such as the playback order.

It's called a lay list.

on the home menu  (video), the playlist is recorded

If you select a DVD-RW disc that is  and press

The view shows the original video and playlist.

video

Make settings



In the playlist **P LIST** mark is displayed.


If you select the original video, it will be set not to play in editing.


It will play back as it is.

When you select a playlist, the parts you set to not play in the edit

Skip and play.

Setting the terminal for inputting external video

1 Use Mm to select [External video input] from the video settings screen and  push.

2 Select the setting with  and press .

Item list


picture


Select when connecting an external input device using the video terminal.

S-video

Select when connecting an external input device using the S terminal.

Setting external input audio

1 Use Mm to select [External Input Audio Settings] from the video settings screen.  Press.

2 Use Mm to select a setting  and press .

Item list

stereo


Select when recording stereo broadcasts with an external input.


dual voice

When recording dual audio broadcasts such as bilingual broadcasts using an external input

I choose.

Setting the audio recording method when recording bilingual broadcasts on the hard disk

1 Use Mm to select [HDD dual language recording audio] from the video settings screen.  Press and .

2 Use Mm to select a setting  and press .

Item list

Main voice

Records main audio only.

Secondary audio

Records secondary audio only.

main + sub audio

Record primary and secondary audio.

Setting the audio recording method when dubbing recorded video of bilingual broadcasts to DVD

Set the audio recording method when dubbing recorded video of bilingual broadcasts to DVD-R, DVD-RW (Video mode), or DVD+RW.

When dubbing with DVD-RW (VR mode), both main and sub-audio are recorded.

- Step1** Mm<, for home menu (setting)
Select [Video settings] from , and press .
 - Step2** Use Mm to select [DVD dual language recording audio] (決定)
Press.
 - Step3** Use Mm to select the recording method (決定) and press .
- Item list
- Main voice
Records only the main audio during dubbing.
 - Secondary audio
Records only sub-audio during dubbing.

Recorded audio when dubbing recorded video of bilingual broadcasts to DVD

Recorded video that contains both main and sub audio

The sound that can be recorded differs depending on the disc used for recording.

vinegar.

at the time of recording HDD bilingual recording audio setting	DVD discs and recording modes that can be dubbed		
	DVD-R (Video mode)	DVD-RW Video mode	DVD+RW (+ VR mode)
Main voice ● ● ●			
Secondary audio ● ● ●			
Main + secondary audio ÿ ÿÿÿ			

ÿ The audio selected in the "DVD dual language recording audio" setting is recorded.
will be

• Only the audio of the HDD bilingual recording audio set at the time of recording is dubbed
will be

ÿ Both the main and sub-audio are dubbed, and the main and sub-audio are
You can switch voice

please note

When recording bilingual broadcasts broadcasted by an external input device, set the external input audio setting of this unit to "Dual audio" in advance. If you record with the external input audio set to "Stereo", you will not be able to switch between main and sub audio during playback even if you set the HDD dual language recording audio setting to "main + sub audio".

Reduce noise when recording to DVD

1 Mm to select [Recording NR] (Recording noise reduction) from the video settings screen.
options) and press . (決定)

2 Use Mm to select a setting and press .

- Item list
- 3
Stronger noise reduction effect
 - 2
Slightly stronger noise reduction effect
 - 1
Weaken the noise reduction effect
 - cut
Turn off the recording NR function

Setting the L2/R2 buttons on the remote control

You can use the flash with the remote control by changing the setting of the L2/R2 button on the remote control.

- 1 Select Mm [L2/R2 button settings] and press . (決定)
 - 2 Select Mm [Flash] and press . (決定)
- L2 is flash - and R2 is flash +.

About L2/R2 button settings

project	explanation
search	Select this when you want to skip to the desired scene while fast-forwarding or fast-reversing the video.
Select when you want to skip (rewind) the flash image to the scene about 15 seconds ahead.	

If you perform the above settings, the analog controller for exclusive use of "PSX" (sold separately) (DESR-10) L2/R2 button will also switch at the same time.



Make vid

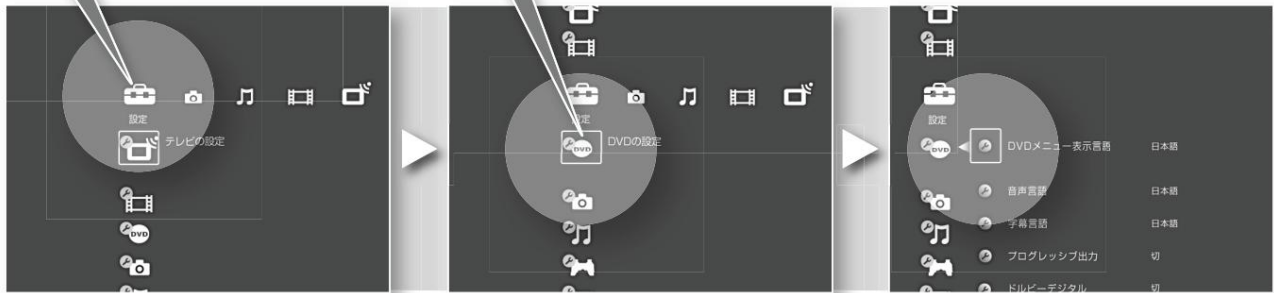


Make DVD settings

How to open the DVD setting screen

Step 1 Choose

Step 2 select and press



Setting the language displayed on the DVD menu

1 Select [DVD menu display language] from the DVD setting screen with Mm.

Press and .

2 Use Mm to select a language and press .

When you select "Language list", select the language you want to set from the language list.

I choose.

Set subtitle language to display

1 Use Mm to select [Subtitle Language] from the DVD setting screen then press .

2 Use Mm to select a language and press .

When you select "Language list", select the language you want to set from the language list.

I choose.

Setting the audio language to play

set up Use Mm to select [Audio Language] from the DVD setting screen then press .

2 Use Mm to select a language and press .

When you select "Language list", select the language you want to set from the language list.


I choose.

Set progressive output

Set when connecting to a TV with a D video cable.

1 Use Mm to select [Progressive output] from the DVD setting screen.

 Press.

2 Use Mm to select a setting  press .

Item list

 enter

Output progressive video from the D terminal of this unit.

 cut

Does not output progressive video. Select this if the TV does not support progressive or if the TV is connected with a cable other than the D video cable.

please note


•If your TV supports only the D1 terminal , the image may be distorted when playing DVD-Video with progressive output set to "On". In such cases, be sure to set the progressive output to "OFF".

Setting up Dolby Digital

Set when connecting to an AV amplifier with an optical digital cable.

1 Use Mm to select [Dolby Digital] from the DVD setting screen. 

Press.

2 Use Mm to select a setting  press .

Item list

 enter

Select when connecting an audio device with a built-in Dolby Digital decoder.


 cut

Select when connecting an audio device that does not have a built-in Dolby Digital decoder.

Setting DTS (Digital Theater Systems)

Set when connecting to an AV amplifier with an optical digital cable.

1 Select [DTS] from the DVD setting screen with Mm and press 

2 Use Mm to select a setting  press .

Item list

 enter

Select when connecting an audio device with a built-in DTS decoder.


 cut

Select when connecting an audio device that does not have a built-in DTS decoder.

Setting how an audio track is played

1 Use Mm to select [Auto select audio track] from the DVD setting screen.

 Press.

2 Use Mm to select a setting  press .

Item list

 enter

Gives priority to audio tracks with the largest number of channels (Dolby Digital, DTS, etc.) when playing back DVD-Video .

 cut

When playing a DVD-Video, the audio track with the largest number of channels is not given priority.

Change PIN code for viewing age restriction

The password is set to 0000 at the time of purchase. If you want to change it, do the following.

1 Use Mm to select [Viewing age restriction PIN] from the DVD setting screen.

 Press.

Enter 2 0000.

3 Set a new PIN with Mm and press 

If you forget your PIN code , restore

the settings to the factory defaults by referring to "Restoring the settings of this unit" (page 107) .




set up

Setting the Region of Use for Viewing Age Restriction

1 Use Mm to select [Area restricted for viewing] from the DVD setting screen.


 Press.

2 Enter your PIN according to the instructions on the screen.

3 Use Mm to select an area  press .

If you select [Other] here, a screen for entering the area code will appear.

increase.

Look at the area code list, enter the code and press  please.

Area code list


Area of use	code
United States	US
United Kingdom	GB
Italy	IT
Indonesian ID	
Austrian AT	
Netherlands	NL
Canada	THAT
South Korea	NOK
SingaporeSG _	
Switzerland	CH
Swedish SE	
Spain	IT IS
Thailand	TH
	TW
	CN
Taiwan China Denmark	DK
Germany	OF
Japan	JP
Norway	NO
Philippines	PH
Finnish FI	
France	FR
Belgium	BE
Hong Kong	HK
Malaysia	MY
Russia	RU

Setting the viewing age restriction level

1 Use Mm to select [Level of viewing age restriction] from the DVD setting screen.

 Press.

2 Enter your PIN according to the instructions on the screen.

3 Set the restriction level with Mm and .

please note

- Depending on the disc, you may be asked to change viewing settings during playback. may occur. If so, enter your PIN and level
Please change When Resume Play is canceled, the first returns to the level set in
- DVD videos that do not have a viewing age restriction function can be viewed on this unit.
You cannot restrict playback even if you set a limit.
- For DVD videos, a password can be used without changing the viewing age restriction level.
Some require only a number.



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Photo settings

How to display the photo setting screen

Choose Step 1

Step 2 select and press

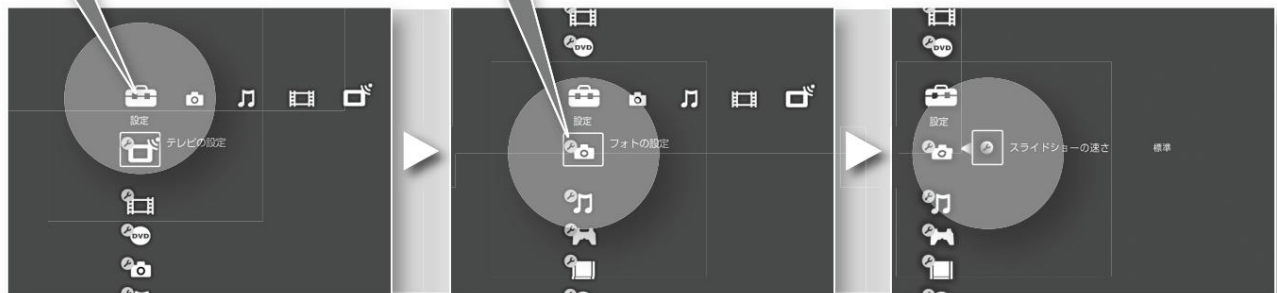


Photo setting screen

Setting the display speed of the slideshow

Sets the speed at which photos are switched in a slideshow.

1 Use to select [Slideshow speed] from the photo settings screen.

Press.

2 Select the desired speed with Mm and press.

Item list

fast

The photo switching speed is increased.

standard

Switch photos at normal speed.

slow

The photo switching speed becomes slower.



Photo s

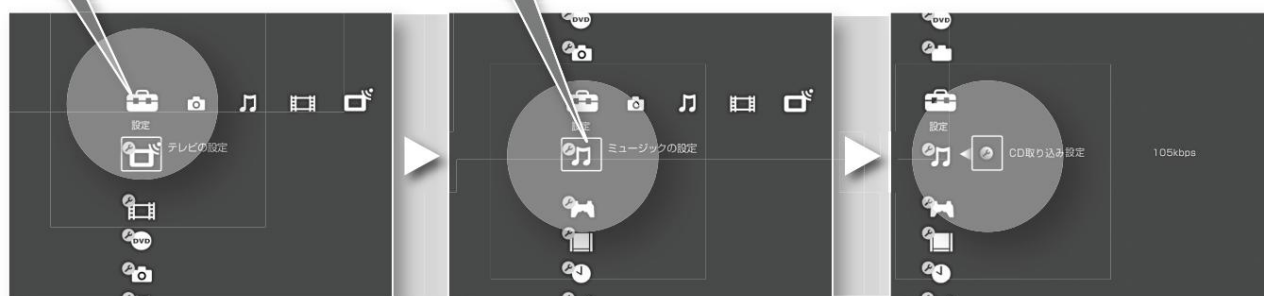


Setting music

How to display the music setting screen

Choose **Step 1**

Select **Step 2** and press



Setting the sound quality when importing songs from a CD

1 Select [CD import settings] from the music settings screen with **Left** and press **Enter**.

2 Select the sound quality with **Up/Down** and press **Enter**.

Item list

Import songs

with 132kbps high sound quality.

Import songs

with 105kbps standard sound quality.

66kbps

You can reduce the data size when importing.

please note.

•When importing at 132kbps, the data size will be large.



set the game

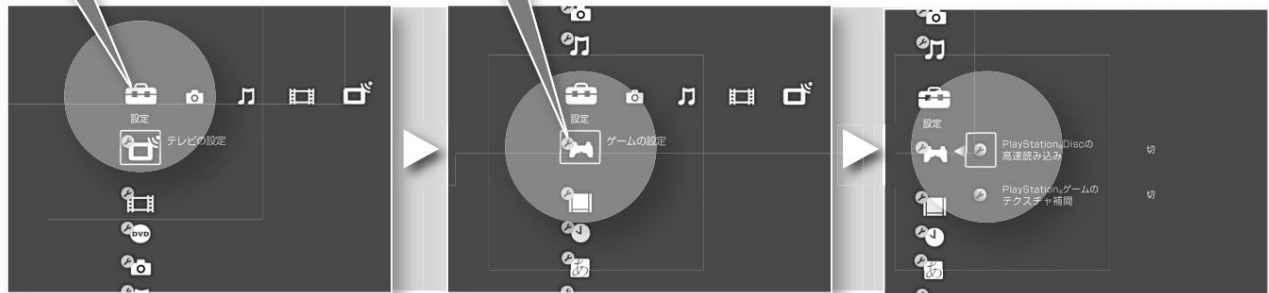
How to display the game setting screen

Make settings for "PlayStation" standard software.

It does not work with "PlayStation 2" format software.

Choose Step 1

Select Step 2 and press



Setting high-speed loading of "PlayStation" standard software

1 Use Mm to select [Read PlayStation®Disc fast] from the game settings screen and press .

2 Use Mm to select a setting and press .

Item list

enter

Play discs with fast loading.

cut

Play the disc with normal loading.

Set texture (image) interpolation for "PlayStation" standard software

1 Press Mm to select [PlayStation® Game Technology] from the game settings screen.

[Structure Interpolation] and press .

2 Use Mm to select a setting and press .

Item list

enter

Display textures (images) more clearly.

cut

Display with normal texture.

please note

- Even if each game setting is set to "On", the power of this unit cannot be turned on. If you fix it, the setting will return to "Off".
- Depending on the game software, the effect may be difficult to discern or the image may be distorted. In that case, select "Off" when.



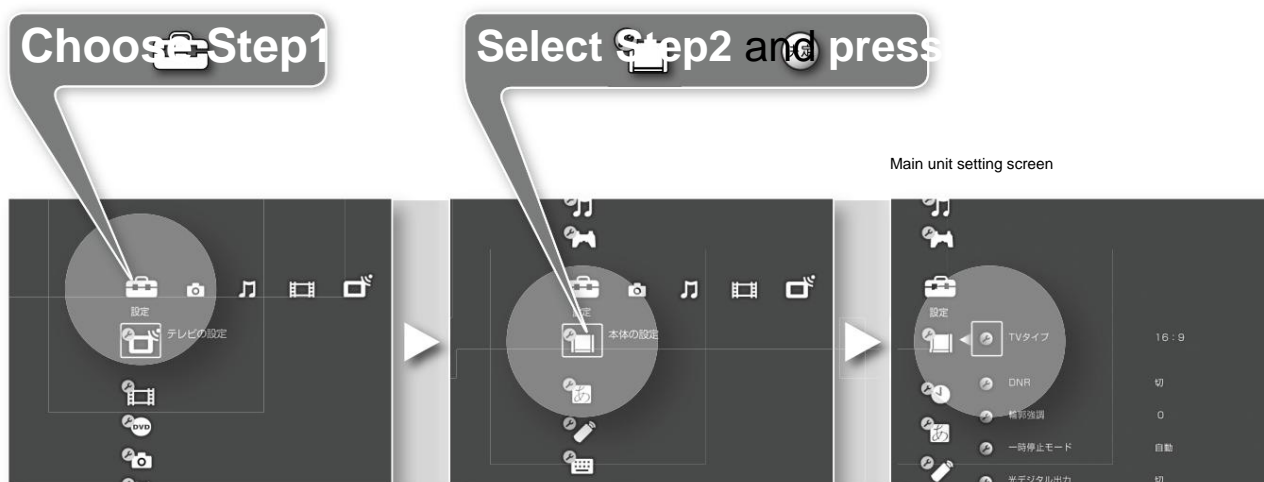
of
the
game

Make settings



Setting the main unit

How to display the setting screen of the main unit



Registering the aspect ratio of the TV screen

- 1 Use Mm to select [TV Type] from the main unit's setting screen and press .
- 2 Use Mm to select the aspect ratio of the TV to display the image, then press .

Item list

16y9

Select this when the aspect ratio of the TV screen is 16:9.

4:3 Letterbox Select

this when the aspect ratio of the TV screen is 4:3 and you want to view 16:9 images with the original aspect ratio.

4:3 Pan Scan Select

when the aspect ratio of the TV screen is 4:3 and you want to view 16:9 images in 4:3 screen ratio .

Reduce noise during playback

Reduces noise (flickering) displayed on the screen during playback.

- 1 Use Mm to select [DNR] from the main unit's setting screen, then press .
- 2 Use Mm to select a setting and press .

Item list

cut

Select this when checking the status of the original video signal.

DNR1

Reduces image roughness and color noise.


DNR2


It reduces noise more strongly than DNR1.

sharpen the edges of the image

- 1 Use Mm to select [Outline Enhancement] from the main unit's setting screen and press .
- 2 Use Mm to select a value and press . The higher the value you select, the clearer the outline of the image.

Setting the display method when paused

1 Use Mm to select [Pause Mode] from the main unit's setting screen .  push.

2 Use Mm to select a mode and  press .

Item list


automatic


Images of fast-moving subjects can be viewed without blurring.

flame

Displays images of subjects with little movement in high resolution.

Setting the optical digital output

1 Use Mm to select [Optical digital output] from the main unit's setting screen and  press . push.

2 Use Mm to select a setting and  press .

Item list

enter

Outputs audio from the optical digital output.


cut

Audio is not output from the optical digital output.

please note

- When playing games, audio is output even if it is turned off.
You may.
- Even if the TV sound is turned off, music will still be output if the setting is set to "On".

Returning the settings of this unit to the state at the time of purch


Use Mm to select [Reset to factory settings] from the main unit's settings screen and  press .

vinegar. Please follow the instructions on the screen.

[Restore] cannot be selected during recording. Note that images on the hard disk will not be deleted even if you select [Restore].

Change hard disk space

The hard disk of this unit is divided into two areas: an area for saving videos, photos, music, etc., and an area dedicated to games. The game area is set at the time of purchase, but you can set the game area to 0 GB (gigabytes) if you do not play hard disk compatible games on this unit .

Use Mm to select [HDD Area Settings] from the main unit's settings screen  and press .

The hard disk area setting wizard will be displayed.


Please follow the instructions on the screen.

please note

- Please note that if you change the hard disk area, all information such as video, music, photos, game titles, folders, etc. saved on the hard disk will be deleted.
- If you change the hard disk area, the recordable time will also change.
I will.

Displaying information about the machine

Displays the model name and MAC address of this machine.

Use Mm to select [Information display] from the main unit's settings screen  and press .



Body
of

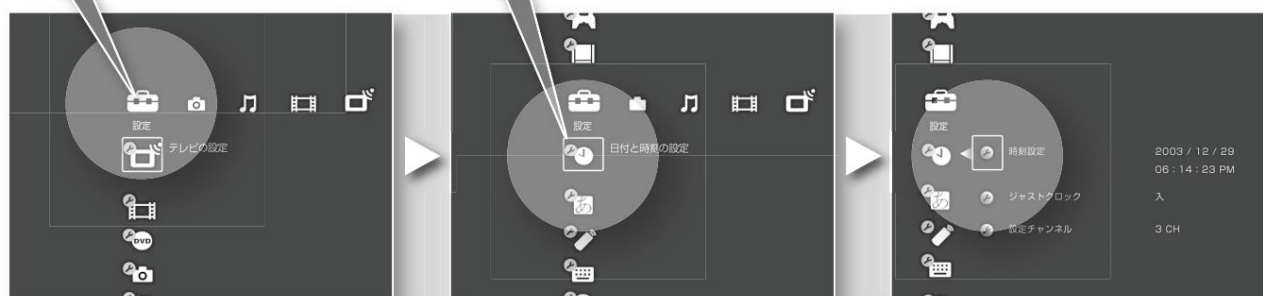
Make settir

Other settings

How to display the date and time setting screen

Step 1 Choose

Step 2 select and press



set date and time

1 Use Mm to select [Set time] from the date and time setting screen, then press . 2

Use <, to select the item you want to set, and use Mm to set it.

3 After setting the item you want to change, press.

adjust time automatically

1 Use Mm to select [Just Clock] from the date and time setting screen. 決定

Press.

2 Set with Mm and press item list On

Other

Adjust the time of this unit with the time signal of NHK Educational TV.

cut

Make settings. Does not automatically adjust the time.

To change the channel for automatic adjustment

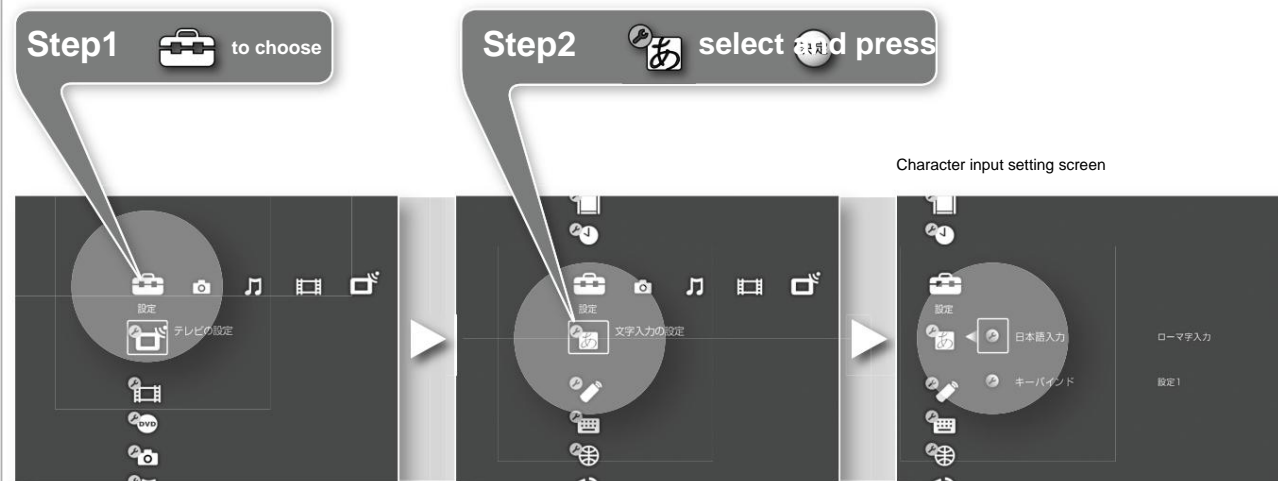
1 Use Mm to select [Setting channel] from the date and time setting screen, and press . push.

2 Use Mm to select a channel and press 決定.

please note

- If automatic adjustment does not work, reset the settings.
- If you skip a channel (NHK Educational TV) for which automatic clock adjustment is set, automatic adjustment will not work. At this time, please set so that you can receive NHK Educational TV.
- When reading the time signal at noon, automatic adjustment cannot be performed in the following cases.
 - The unit is turned on (the power lamp on the unit is lit green).
 - Recording
 - Clock is off by 2 minutes or more
- Turn off the power of the device when sending the time signal at noon.
- When the noon time signal is not sent during sports broadcasts, etc., Automatic adjustment is not possible.

How to open the character input setting screen



Setting character input

How to enter characters using a USB-connected keyboard
set the law.

Setting the Japanese input method

There are two types of input methods: "Romaji input" and "Kana input".

1 Use Mm to select [Japanese Input] and press .

2 Use Mm to select the input method and
press . Item list Romaji input

Enter Japanese in romaji using the alphabet keys.

Kana

input Use the Kana key to input Japanese.

set key bindings

Set the Japanese conversion method. This unit has two types of settings, so
select the setting that is easy to use.

1 Use Mm to select [Key Bind] and press .

2 Use Mm to select a setting and press .

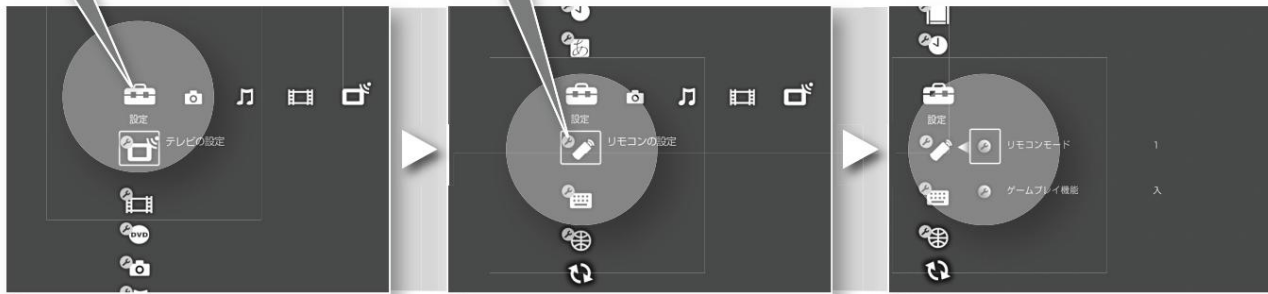
Other

Make settir

How to display the setting screen of the remote control

Step 1 Choose

Step 2 select and press



Change remote control mode

When you want to operate two or more "PSX" with one remote control, this unit

Set the remote control mode of the .

1 Use Mm to select [Remote control mode] from the remote control setting screen.

Press.

2 Use Mm to select the remote control mode and press .

Switch the remote control mode of the remote control according to the remote control mode of the "PSX" that you want to operate.

Making settings for playing games with the supplied remote control

Make settings for enjoying games with the remote control that comes with this unit.

To do.

1 Use Mm to select [Gameplay Features] from the game settings screen.

Press.

2 Use Mm to select the item you want to set and press . Item

list On

You can operate the game with the remote control of this unit.

The game cannot be operated with the remote control of this unit.

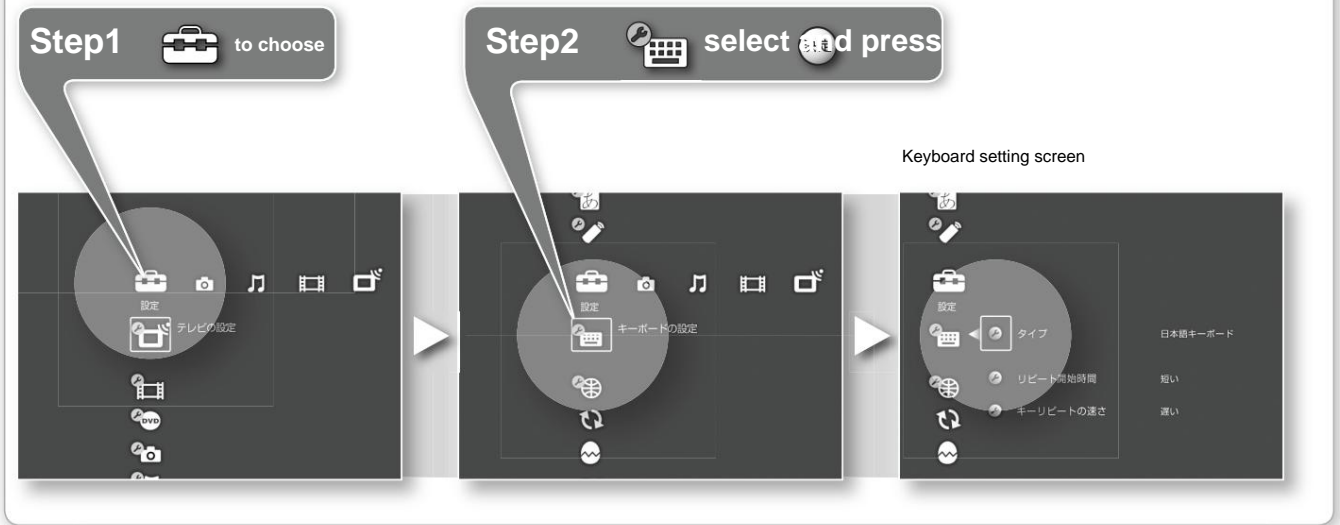
please note

- If you remove an analog controller (sold separately) from controller terminal 1 when set to "On", the remote control may not be able to operate "PlayStation 2" standard software or "PlayStation" standard software correctly. . In that case, set it to "Off".

Other

Make settings

How to display the keyboard setting screen



make keyboard settings

Make the following settings according to the keyboard you are using when.

Set keyboard type

Use this setting when you connect an English keyboard.

stomach.

- 1 Use Mm to select [Type] and press.
- 2 Use Mm to select the keyboard type and press. Item list

Japanese keyboard

Select when a Japanese keyboard is connected.

English Keyboard

Select when an English keyboard is connected.

Setting character input start time when key is pressed and held

When you press and hold a key on the keyboard, characters are entered repeatedly. Adjust the time until the

- 1 Use Mm to select [Repeat start time] and press.
- 2 Select the setting with Mm and press.

Item list

short

Press and hold the key to quickly type the same character.

standard

Standard setting.

long

Even if you press and hold the key, there is a slight delay before the same character is entered continuously. Even if you press and hold by mistake, you can prevent the same character from being entered continuously.

Setting the Character Input Speed When Pressing and Holding a Key

Set the input speed for characters that are entered when you press and hold the key. increase.

- 1 Use Mm to select [Key repeat speed] and press.
- 2 Use Mm to select a setting and press.

Item list

slow

Input speed slows down.

It's a

standard setting.

Faster

typing speed makes it faster.

Other

Make settin

Network connection and settings

For more information on network connections and settings, see the website below.

when.

<http://www.sony.co.jp/SonyDrive/> To use the

"PSX" software update service (network update), etc., the unit must be connected to the network. This section describes how to connect the unit to the network. If you have not subscribed to a broadband line, before connecting to the network,

Prepare a broadband line such as ADSL or FTTH (optical line) and conclude a contract with an Internet service provider. In addition, depending on the Internet service of the cable TV company, it may be necessary to report the MAC address. The MAC address of this machine can be found in "Information Display" in "Main Unit Settings".

You can see it on your screen.

Step 1 Connect the Ethernet cable

NETWORK connector on the unit connect the ethernet cable to

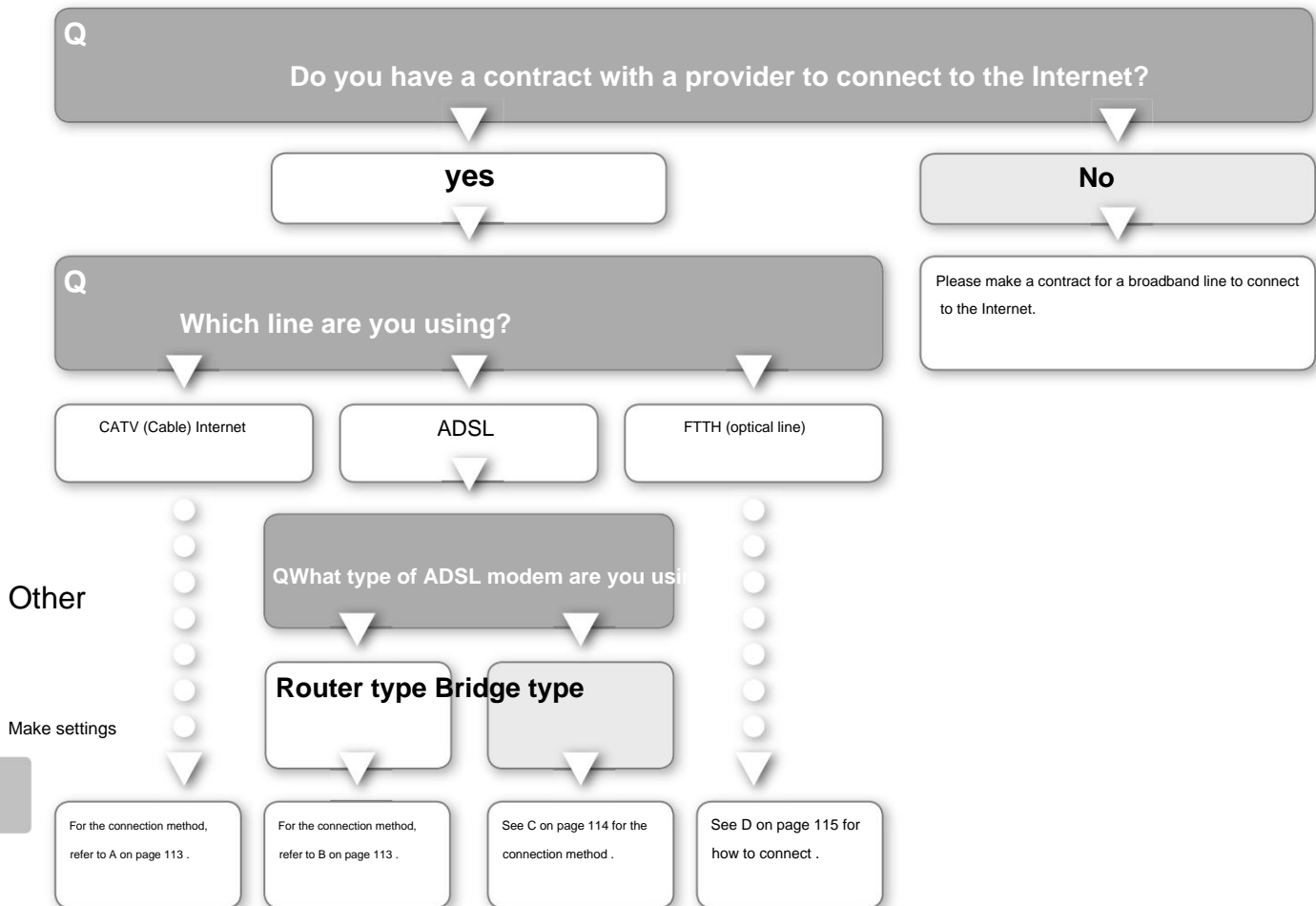
please give me.

please note

- Dial-up and ISDN connections cannot be used.

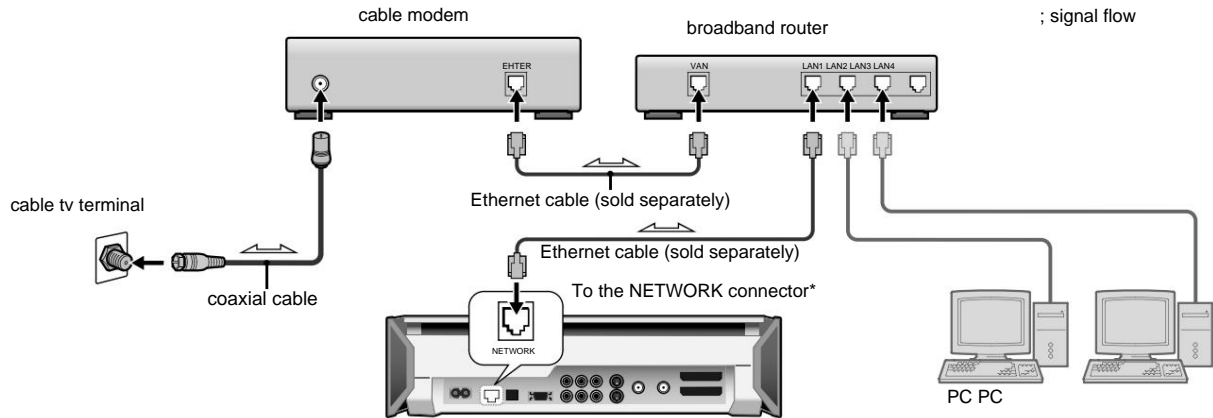
- Depending on the service provided by the Internet service provider, a PC may be required when setting the connection environment or network. Check before connecting and setting the network.

- There are two types of Ethernet cables: straight cables and cross cables . Connect this unit using a straight cable. In that case, use a shield type cable to suppress the emission of unnecessary radio waves.



A Connecting Using CATV (Cable) Internet

This is a connection method for connecting to the Internet from a terminal other than this machine using a cable modem.



•When connecting only this unit to the Internet, connect this unit directly to the cable modem.

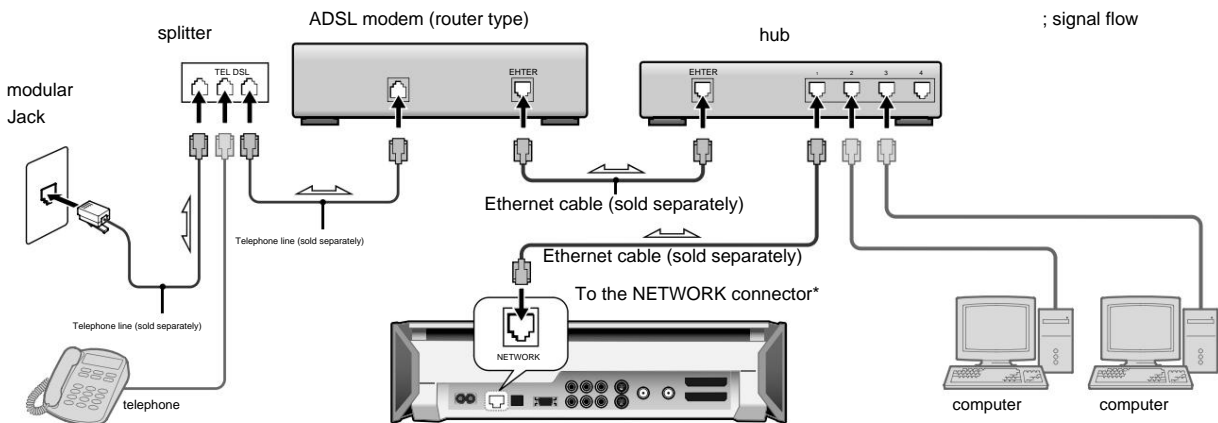
•Some cable TV companies do not allow the connection of broadband routers.

Please check with your cable TV company in advance.

* Do not connect a telephone line to the NETWORK terminal. It will be the cause of the failure. NETWORK
When connecting an Ethernet cable to the terminal, remove the terminal seal before connecting.

B Connecting using an ADSL line 1

This is a method of connecting to the Internet using a router-type ADSL modem.



•Since this unit does not have a web browser function, it is not possible to set ADSL modem (router type) from this unit. you can't. Please note that you will need a computer to set up the router.

•If the ADSL modem (router type) has fewer Ethernet terminals than the number of terminals to be connected, is required.

* Do not connect a telephone line to the NETWORK terminal. It will be the cause of the failure. NETWORK
When connecting an Ethernet cable to the terminal, remove the terminal seal before connecting.

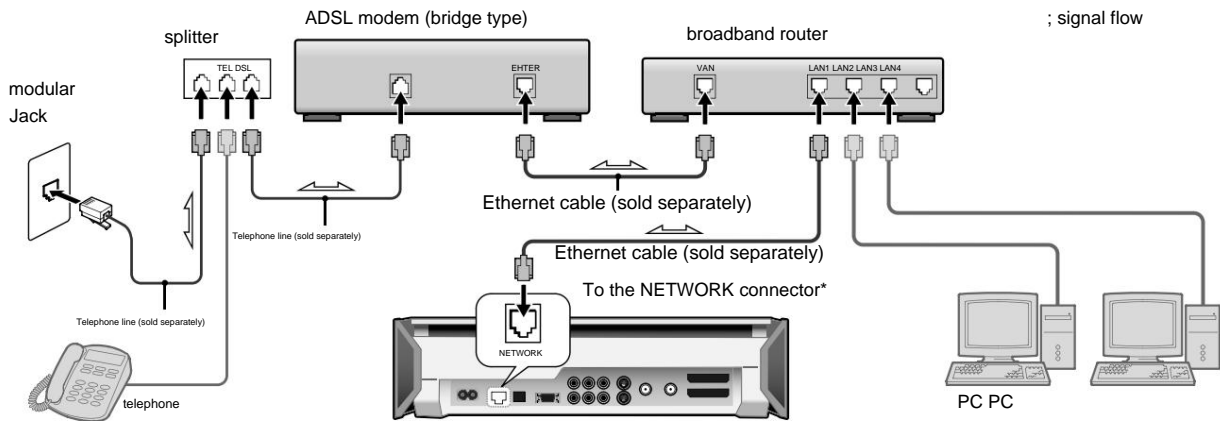
Other

Make settin

Network connection and settings (Continued)

C Connecting using an ADSL line 2

This is a connection method for connecting to the Internet using a bridge-type ADSL modem and connecting to the Internet from a terminal other than this unit. If you do not need to connect to the Internet from a terminal other than this machine, connect this machine and ADSL modem directly.



•When connecting only this unit to the Internet, connect this unit directly to the ADSL modem. •The PPPoE of this unit may be used when connecting directly. For details, contact your Internet service provider. Please confirm.

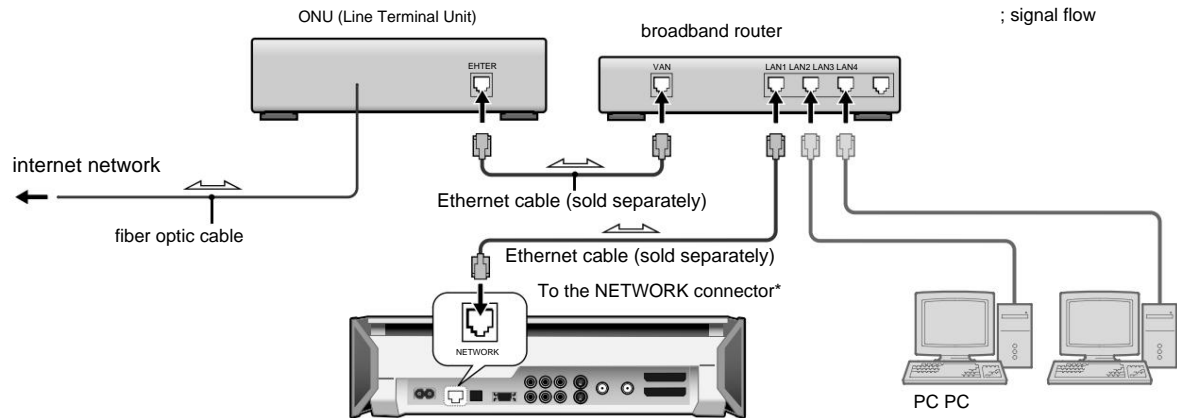
* Do not connect a telephone line to the NETWORK terminal. It will be the cause of the failure. NETWORK
When connecting an Ethernet cable to the terminal, remove the terminal seal before connecting.

Other

Make settings

D Connecting using FTTH (optical line)

This is a connection method for connecting to the Internet via FTTH (optical line) and connecting to the Internet from terminals other than this unit.



•When connecting only this unit to the Internet, connect this unit and ONU (line terminating unit) directly. •The PPPoE of this unit may be used when connecting directly. For details, contact your Internet service provider.

Please confirm.

•If you use a communal internet line in an apartment building, you may not need an ONU (line terminating unit). (straight (e.g., when an Ethernet line is wired to the guest room) * Do not connect a telephone

line to the NETWORK terminal. It will be the cause of the failure. NETWORK

When connecting an Ethernet cable to the terminal, remove the terminal seal before connecting.

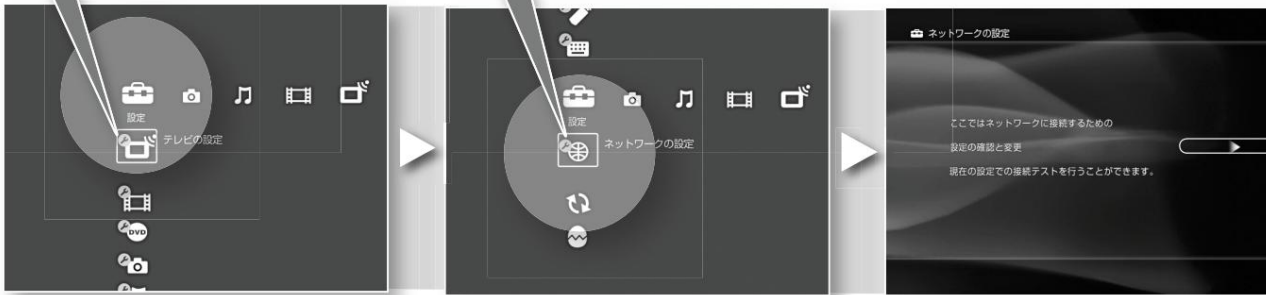
Other

Make settin

How to display the network setting screen

Choose **Step 1**

Select **Step 2** and press



Network setting screen

Preparation 2 Setting the network

When the network setting screen is displayed, follow the instructions on the screen. Please set.

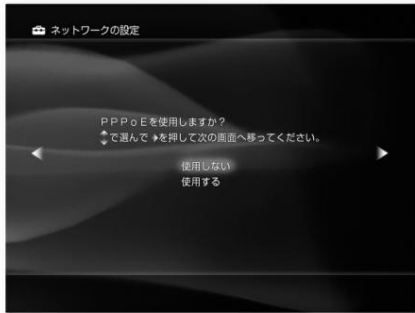
If you select "Do not use"

Switches to the screen for confirming the IP address setting method. STEP2 "IP Address Confirmation" on page 117.

If you select "Use"

The PPPoE setting screen is displayed as below.

STEP 1 "Confirm PPPoE"

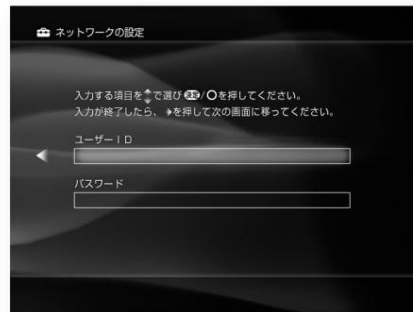


Select "Use" when using PPPoE with this unit to connect to the Internet.

Select "Do not use" when connecting to the network without using PPPoE, or when using the PPPoE function of the router instead of this unit.

PPPoE settings vary depending on the Internet connection

environment, so please contact your Internet service provider for Make settings details.



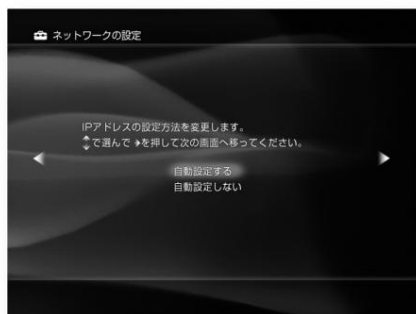
Items to be set

- Enter user ID and password: Enter the user ID and password for using PPPoE . The user ID and password entered here are the same as the user ID and password for connecting to the Internet . For more information about User ID and Password, please contact your provider.

Other

Make settings details.

STEP 2 "Confirm IP address"



Check how to set the IP address.

If the IP address to be used is specified by the provider,

Select "Do not set automatically".

If the IP address is automatically assigned when you connect to the Internet, or if the IP address is automatically assigned by your router

If you can, select "Set automatically".

Contact your provider for more information about IP addresses please

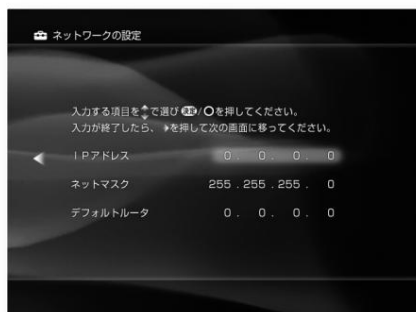
When "Set automatically" is selected

An IP address is automatically assigned.

When "Do not set automatically" is selected

Set the IP address, netmask, default router, etc.

A screen will appear as shown below.



Items to be set

- IP address: Enter the IP address specified by your provider. please.
- Netmask: Enter the value specified by your provider. Depending on the provider, it may be called by a name other than netmask. Please contact your provider for details.
- Default router: Enter the value specified by your provider. Depending on the provider, it may be called by a name other than the default router. Please contact your provider for details.

STEP 3 "Confirm DNS"



Check how the DNS is set.

If the DNS address to be used is specified by the provider

If so, select "Do not set automatically".

If the DNS address is automatically assigned by your provider when you connect to the Internet, select "Set automatically".

when.

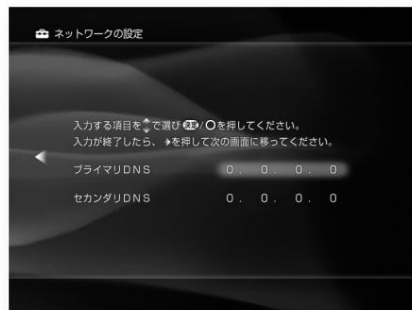
For more information about DNS, contact your provider. please.

When "Set automatically" is selected

A DNS address is automatically assigned by your provider.

When "Do not set automatically" is selected

The screen for setting the DNS is displayed as follows.



Items to be set

- Primary DNS: Enter the primary DNS provided by your provider.
- Secondary DNS: Enter the secondary DNS specified by your provider .

Other

Make settin

The terms used in network settings are called differently depending on your provider, as shown below. For more information, see the documentation from your provider.
when.

Another way to call "User

ID"•"Connection ID"

•"username"

- "PPP login name"

•"Network ID"

•"Connection login name"

•"account name"

•Logon name

Another name for "password"

•"PPP Password"

•"Network Password"

•"Connection Password"

Another name for "Primary DNS"•"Name server"

•"Primary DNS Server"

•Primary name server

•Domain name server

Another name for "secondary DNS"

•"Secondary DNS Server"

•Secondary name server

•Domain name server

Another way to call "default router"•"default gateway"

Other

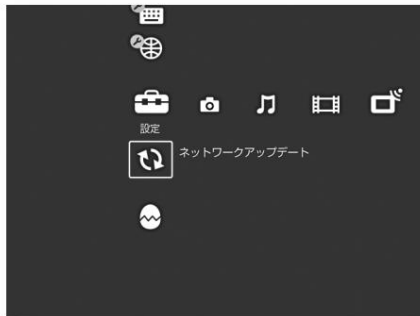
Make settings

others

Updating the software of this machine (network update)

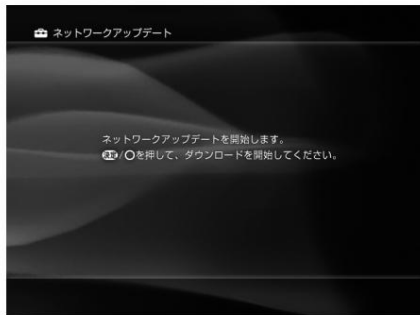
To update the software of this unit using the network, Network connection and settings are required (page 112). The update may take some time, but do not press the =/1 (power) switch or A (eject) button until all the work is completed. It will be the cause of the failure.

Step1



Select and press.

Step2



The network update setting screen appears. is shown.

Step3

The network update setting screen appears. Press to follow the instructions on the screen. update accordingly.

The update work flow depends on the software version. depending on the version. See software "PSX" issued at the time of software update Please refer to the update instruction manual.

please note

⚠ If an error message appears while updating software, start over. If the error message still appears, contact the Customer Service Center (see back cover).

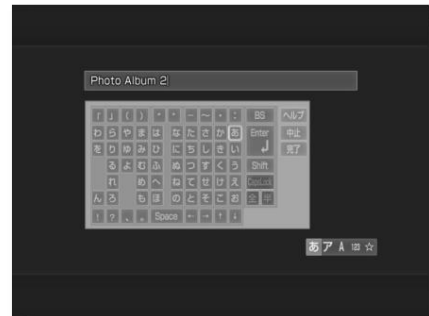
How to enter characters

You can enter characters using the keyboard displayed on the screen of this unit. Different keyboards are used depending on the characters to be entered. I will. Switch the keyboard according to the character you want to enter. please give me.

How to enter characters

As an example, I will explain how to enter "Sunday drama".

Step1



Use <, Mm to select "ni" on the keyboard. 決定

Press.

followed by `ch`, `yo`, `u`, `to`, ``, `ra`,

Enter "ma". When you make a mistake [BS]

Select and press .

Step2



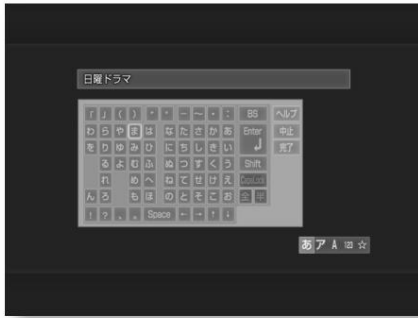
△ Press.

Converts to "Sunday drama". other conversions

Press again to select the complement.

Press or to confirm.

Step3



Use <, Mm to select [Done] on the keyboard.
Press.
"Sunday drama" is registered as the name.



To delete characters

Step1

Use <, Mm to select [T] or [t] on the keyboard.
and press to move the cursor to the sentence you want to delete.
Move the character to the right.

Step2

Use <, Mm to select [BS] on the keyboard.
Press.



switch keyboard

When the L1 button on the remote control is pressed while the keyboard is displayed, the following

The keyboard switches as follows.

Hiragana input keyboard → Katakana input keyboard → English

Character input keyboard → number input keyboard → symbol input screen

It switches in the order of face → keyboard for hiragana input.

Hiragana input keyboard

Press the L1 button on the remote control to display the following keyboard.

vinegar.



To enter a small character such as y, press

<, Mm to select [Shift] on the keyboard . Typing a small letter switches to the large letter keyboard.

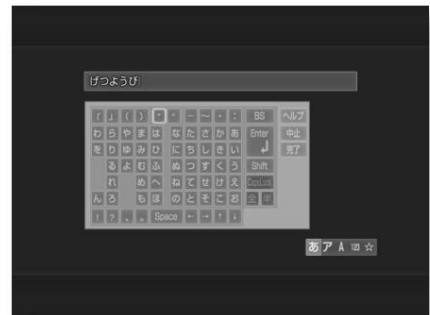


To convert to kanji, etc.

Step1

Enter hiragana. Hiragana characters are displayed in reverse.

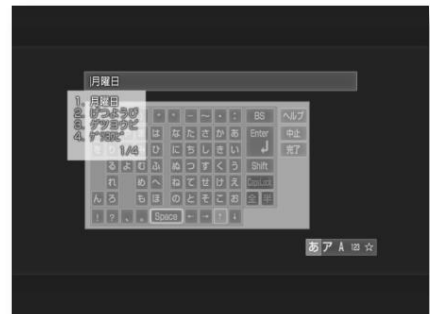
Step2



△ twice.

Conversion candidates are displayed.

Step3



Use Mm to select the character you want to convert and press .



Katakana input keyboard

Press the L1 button on the remote control to display the following keyboard.

vinegar.



To enter a small character such as "tsu" ,

press <, Mm to select [Shift] on the keyboard .



Typing one small letter switches to the large letter keyboard. will be replaced.

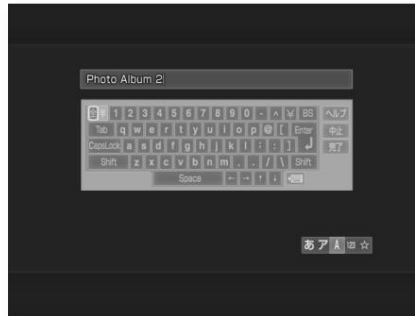
How to enter characters (Continued)

To enter half-width characters,

use **<**, **Mm** to select on the keyboard and press to select half-width characters. Select to return to full-width.



To change the keyboard layout, select with **<**, **Mm** and press . Select again to return to the original array.



English keyboard

Press the L1 button on the remote control to display the following keyboard.

vinegar.



To enter capital letters

Temporarily enter capital letters

Press **<**, **Mm** to select [Shift] on the keyboard and press

You can enter.

Typing a single uppercase letter switches to a lowercase keyboard.

increase.

To continue entering uppercase letters

Press **<**, **Mm** to select [CapsLock] on the keyboard and press to enter uppercase letters.

Uppercase letters are entered until you select [Caps Lock] again.

To enter double-byte characters

Use **<**, **Mm** to select on the keyboard and press to enter double-byte text.

You can choose letters.

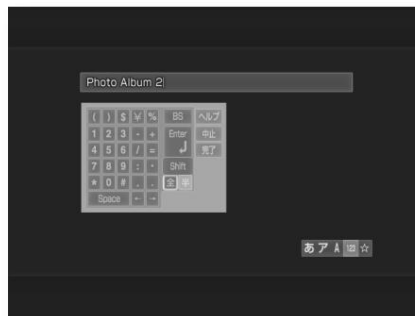


Select to return to half-width.

numeric input keyboard

Press the L1 button on the remote control to display the following keyboard.

vinegar.



To enter double-byte numbers

Use **<**, **Mm** to select on the keyboard and press to enter double-byte text.

You can choose letters.



Select to return to half-width.

Symbol input keyboard

Press the L1 button on the remote control to display the following keyboard.

vinegar.

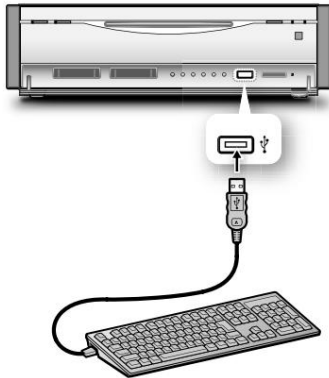


To connect a keyboard and enter characters

By connecting a "PlayStation 2" compatible keyboard to this unit using the USB port, you can enter text without using the on-screen keyboard.

Step1

Connect a keyboard.
Connect as shown in the diagram below.



Step2

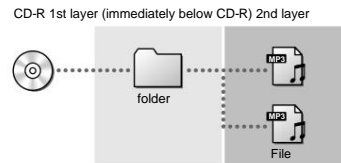
Make keyboard settings.
Make keyboard settings and character input settings as necessary. How to set For details, refer to "Setting the keyboard" (111 page) and "Setting character input" (page 109). page).

How to save files to CD-R

The only music (MP3), photo, and video files that can be played on this unit are CD-Rs saved using the following method. Files saved in any other way cannot be played.

Creating and saving folders and files

Create a folder directly under the CD-R (root) and save the music, photo and video files in that folder.

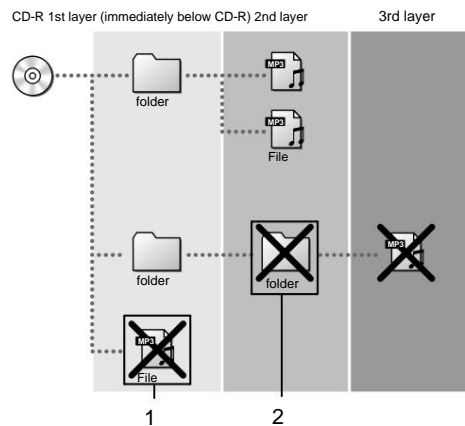


Precautions when creating and saving folders and files

- Files written directly under the CD-R (root) are not recognized by this unit (1 below).

- Do not create folders within folders

(Figure 2 below).



- Do not create more than 40 folders on one CD-R.

stomach.

- Save more than 100 MP3 files in one folder please don't

- Do not put more than 201 photo or video files in one folder.

Precautions when naming folders and files

- Set the file name within 64 characters.

- Do not use single-byte characters such as "<" ">" "|" "\\" "\/"" "\:" "\?" "*" "\." "\.".

Do not use

- File names and folder names may not be displayed correctly if they do not conform to ISO9660 Level 1, Level 2, Extended Format (Joliet).

- When naming the file, add an extension at the end of the file that matches the contents of the file. File extensions should be either ".JPG", ".GIF", ".MPG", ".TIF" or ".mp3".

others

How to save files to CD-R (continued)

- The extension for JPEG image files is ".JPG", the extension for TIFF image files is ".TIF", the extension for GIF image files is ".GIF", and the extension for MPEG1 video files is ".JPG". ".MPG". If you play a file whose extension and file contents do not match, the operation of this unit will become unstable.
- If you add the extension ".mp3" to a file other than MP3 format, the file may be played back, which may cause noise or malfunction.
- ID3 tags are only compatible with Version 1.0.
- If there is an ID3 tag, the track name of the MP3 file on the CD-R will be displayed with reference to the ID3 tag information, but there is a limit to the number of characters.
- The track names of MP3 files imported to the HDD are display the file name, but the number of characters is limited.

Precautions when writing to a CD-R on a computer

- Be sure to use a CD-R.
- Be sure to write with "Disc at once".
- Do not write to a CD-R that has already been written.
- Depending on the state of the disc, it may not be possible to play it.
- Discs recorded in multisession cannot be played.
- CD-RW is not supported.
- Packet light is not supported.

Formats supported by this unit

CD-R file system	file name character limit
ISO9660 Level 1	8.3 Form
ISO9660 Level 2	Maximum 31 characters (including extension)
Extended format (Joliet only)	Max 64 characters (including extension)

⁷ Folders are only supported up to one level.

Standards for writing to CD-Rs supported by this unit

project	MPEG1 Layer3	MPEG2 Compatible
Write mode	with mode 1 and mode 2 (Form1)	
Compression method (sampling rate)	48KHz, 44.1KHz, 32KHz	24KHz, 22.05KHz, 16KHz
bit rate	32k ~ 320kbps 8k ~ 160kbps VBR is also possible*	VBR is also
Number of files	possible* 99 (per folder)	
Number of albums (folders)	39	
Album (folder) hierarchy	1	
No multi-session support		
m3u playlist not supported		
mp3PRO format	incompatible	

others ⁷ For VBR, the playback elapsed time display may differ from the actual

How to save still pictures and video files to a "Memory Stick"

If you want to display the photos and movies saved on the "Memory Stick", save the photos and movies on the "Memory Stick" in the following format (DCF* format) .

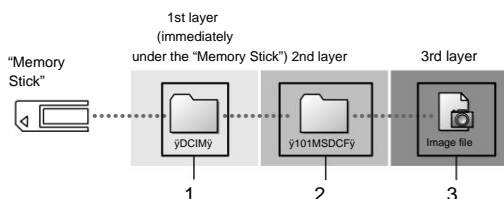
If it is not saved in DCF format , it cannot be played on this unit. Some Sony-manufactured "Cyber-shot" digital still cameras cannot save images in DCF format. It will be playable.

* An abbreviation for "Design rule for Camera File system," a unified standard established by the Japan Electronics and Information Technology Industries Association (JEITA).

* When using a "Memory Stick Duo," be sure to insert the "Memory Stick Duo" adapter (sold separately).

Where to save the file Save the image file in the 3rd layer as shown in the figure below.

stomach. (Figure 3 below)



- Create a folder in the first layer directly under the "Memory Stick" (root) . (Figure 1 above)
- Be sure to create the second-level folder (folder for saving photos and videos) directly under the "DCIM" folder. (Figure 2 above)

About how to name files and folders•Always name

the first-level folder "DCIM" in single-byte capital letters.

Please put the front on.

- The folder name of the second layer is 3 single-byte alphanumeric characters + single-byte alpha. Bet 5 characters, total 8 characters.

Example) "101MSDCF"

- The file name, excluding the extension, must be 8 characters in total, 4 single-byte alphanumeric characters + 4 single-byte numeric characters. Depending on the content of the file , add either ".JPG", ".GIF", ".MPG" or ".TIF" as the extension . If you play a file whose extension and file contents do not match, the operation of this unit will become unstable.

ÿÿÿMOV00399.MPGÿ
ÿDSC00001.JPGÿ
ÿDSC00002.TIFÿ
ÿCLP00003.GIFÿ

About "Memory Stick"

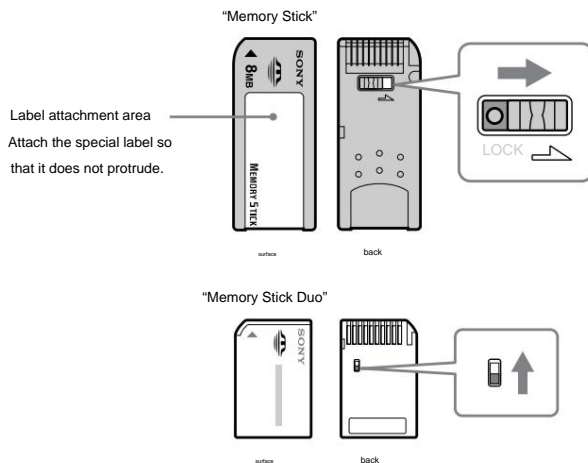
The separately sold "Memory Stick" is a compact, lightweight IC recording medium with a larger capacity than a floppy disk. When using a "Memory Stick" with your camcorder, also refer to the operating instructions of the device that recorded and edited the images on the "Memory Stick".

This unit supports the following "Memory Stick".

Types of "Memory Stick" "Memory Stick" (including those with memory select function)	logo
"Memory Stick PRO"	MEMORY STICK PRO
"MagicGate Memory Stick"	MAGICGATE
"Memory Stick Duo"*	MEMORY STICK DUO

* When using a "Memory Stick Duo," be sure to insert the "Memory Stick Duo" adapter (sold separately).

To avoid erasing recorded music, photos, etc.



Slide the accidental erasure prevention switch to "LOCK".

Still image and movie files may be destroyed in the following cases. Please note that we cannot guarantee the contents of data recorded on a "Memory Stick" if they are destroyed. It is recommended that you back up important data.

- When the "Memory Stick" is removed or the power cord is unplugged while still image/movie files are being read (while the access lamp is lit).
- When used in a location subject to static electricity or electrical noise

About copyright

Third-party copyrighted works such as still images, movies, and music recorded with this unit is for personal enjoyment only.

Please note that it cannot be used without permission.

Guarantee of recorded contents

Contents that were not recorded due to a problem while using this unit

Please forgive me for the warranty.

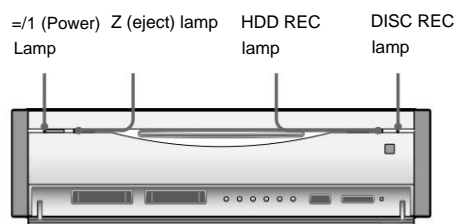
Is it a malfunction? If you think

Please check again before sending for repair. If it still does not work properly, contact the store where you purchased the product or the Customer Service Center (back cover). When consulting with us, please let us know the following:

DEASR
Model name of this machine: **ESR-7100**
DEASR
D Model name of
ESR-5100 remote RM tea
MT-P00 Pea 1
control: R Failure situation: As detailed
as possible Date of purchase:

Self-diagnostic display

This unit has a self-diagnostic display function. This is a function that informs you of the status of the unit by blinking the lamp of the unit when an abnormality occurs in the unit, so that service can be provided more smoothly. If the flashing status of the lamp on the main unit corresponds to any of the following, please inform the store where you purchased the product or the Customer Service Center about the flashing status.



If there is an abnormality in the unit's

temperature ^/1 (power) lamp ÿ Blinks red

Z (eject) lamp ÿ off

HDD REC lamp ÿ Off

DISC REC lamp ÿ Off

^/1 (power) lamp ÿ Lit **green**

Z (eject) lamp ÿ off

HDD REC lamp ÿ Blinking red

DISC REC lamp ÿ Off

If there is a problem with the communication function

of the unit ^/1 (power) lamp ÿ Blinking green ÿ Blinking red

Z (eject) lamp ÿ off

HDD REC lamp ÿ Off

DISC REC lamp ÿ Off

If there is a problem with the cooling fan built into the unit ^/1 (power) lamp ÿ Blinks red

Z (eject) lamp ÿ Blinking blue

HDD REC lamp ÿ Off

DISC REC lamp ÿ Off

Symptom of this machine and how to deal with it

Power does not turn on. c Make sure the power cord is firmly inserted.

Please check if

No

image is displayed.

Disturbed.

c Check that the connection cord plug is firmly inserted.

c Check if the connection cord is broken. please.

c Input from which the TV is connected to the video, etc.).

c Not compatible with the progressive method
When the unit is connected to a TV,
Do not set progressive output to "on".
please leave

c Progressive (525p) format is also supported on TVs.

The image may be distorted when I will.

c Video output from this unit via VCR

When connected to a TV via a cable or connected to an integrated video TV, some Copy used for DVD video
Control signals may adversely affect image quality.

If you experience problems with picture quality even when you connect the player directly to the TV, connect it to the TV's S video input terminal (page 16).

c Due to the characteristics of hard disks, very rarely
The image may be distorted. due to malfunction there is no.

c Check if the video input and video output terminals are connected incorrectly.

c BS IF input terminal and VHF/UHF input terminal
Check that you have not connected the .

tv channel can change the flannel do not have.	c Connect the antenna wire correctly (page 13). c channel is set to skip select a station from the home menu. (page 94). c If external input is
The image of the device connected to the input terminal of this unit is not displayed. stomach.	selected in the home menu, Please check if When connecting to the external input terminal of the receiver using the S-video terminal, set [External Video Input] to [S-Video] on the TV setting screen (page 98).
"TV set in "Type" in the form of an image I can't live	c Select a disc with a fixed image shape. is playing.
The aspect ratio of the screen is strange.	c Match the image to the aspect ratio of the TV. Sai (page 106).

TV/BS	
reception television broadcast is not displayed.	c Set the channel manually using [Manual channel setting] on the TV setting screen (page 94). c Development of terrestrial digital television broadcasting "Analog frequency change" is performed along with the start If the channel before the change is suspended, you cannot watch the program in areas where it has been changed. Tune the changed channel manually (page 94).
received by this machine The image of the TV broadcast where you are is dirty.	c Adjust the direction of the antenna. c Separate the unit from the TV. stomach. c Twist up the antenna wire away from this unit. please give me. c If the signal is weak, use the optional antenna boot. Amplify the signal with a star. c You are not using a demultiplexer instead of a splitter. Please check if
connected to the unit Play/receive on other devices The image that is Distort.	c DVD player, VCR, etc. software played on the For signals received by a tuner, etc., Contains signals for copyright protection increase. player, tuner, etc. Disconnect the device from the unit and connect it directly to the TV. Please connect.

BS broadcast program Not reflected.	c Connect the BS antenna correctly. (page 13). c Check the reception status of the BS antenna and Please adjust the direction of the antenna (page 95). c Remove dust and snow from the BS antenna. please give me. c A WOWOW decoder is connected to this unit. cannot continue.
--	--

Program guide (G-GUIDE)	
Program guide is displayed. can't	c 1 Even after connection and "Easy setting" are completed, the program guide data will not be displayed until the data is received. 2 Turn off the power and wait for a while until reception is completed. 3 It may take up to a day to receive it. c Make sure the date and time are set correctly (page 108). c Program guide information cannot be obtained while recording. c If the reception of the broadcasting station (page 136) transmitting the program guide data is poor, the program guide may not be displayed. c Wrong area code or guide channel is set. In [Area code setting] on the TV setting screen, re-enter the correct area code and then [Auto channel settings]. c G-GUIDE program information transmission station or Pick up times may have changed. Set the correct station and time (page 96). c G-GUIDE program information transmission station or acquisition time has been changed to an incorrect setting. "Easy Setup" (page 20) Please try again. c Watched on CATV (cable television) However, due to the cable TV company's in-house equipment, the program guide information may not be retrieved. may not be obtained. in detail contact your cable TV company please c Depending on where you live, you may not be able to receive the program guide.

Is it a malfunction? If you think (Continued)

<p>Invisible release</p> <p>There is a sending station.</p>	<p>c Wrong area code is set.</p> <p>In [Area code setting] on the TV setting screen, Please re-enter the correct area code. (page 95).</p> <p>c A WOWOW decoder is connected to this unit. cannot continue.</p> <p>c Select [Channel Skip] is set to [On].</p> <p>c For stations not included in the data of the program guide, can not be</p>
<p>program schedule updated can't</p>	<p>displayed. c If the reception is poor at the time of updating, you may not be able to receive the latest program guide. c Program guide information cannot be obtained while recording. c G-GUIDE program information transmission station or acquisition time may have changed. Set the correct station and time (page 96). c If</p>
<p>displayed in the schedule</p> <p>There are programs that cannot be be.</p>	<p>reception is poor, all program listings Data may not be received.</p> <p>c Time-based program guides include short programs (5 programs, etc.) are not displayed. Cha Please use the channel-specific program guide (32 page).</p>
<p>wrong station name is displayed.</p>	<p>c Wrong area code is set.</p> <p>In [Area code setting] on the TV setting screen, Please re-enter the correct area code.</p> <p>stomach.</p> <p>c If the area code changes due to moving, etc. If this happens, set [Ground Enter the new area code in [Area code setting]. Please try again.</p>

Recording /

<p>reservation/editing chan on tv can change the flannel</p> <p>do not have.</p>	<p>c Select the channel you want to watch by switching the input on the TV. Please switch to Nell.</p>
<p>x stop while recording press the button also stops recording. not.</p>	<p>Are you pressing the cx stop button? x Press the stop recording button. (Te Valid only when viewing the review is.)</p>

<p>Booked but recorded not drawn.</p>	<p>c After reserving, select the reserved channel You may have skipped (page 94).</p> <p>c Images that contain copy control signals Recorded as a blue screen.</p> <p>c If the reservation end time and the next reservation start time are at the same time, record before the end of the first reservation is cut.</p> <p>c You cannot record while dubbing to DVD. (page 50).</p> <p>c Necessary for recording to hard disk Please check if there is enough free space (page 42).</p>
<p>Previously recorded content is lost there is</p>	<p>c If you insert a DVD disc recorded on a computer into this unit, the contents of the disc may be erased.</p>

Playplay does not start

<p>Playplay does not start</p> <p>stomach.</p>	<p>c Make sure a disc is inserted. when.</p> <p>c A disc that has not been recorded is inserted. Would you like to?</p> <p>c Is the disc turned upside down? Insert the disc with the label side (not the playback side) facing up (page 25). c Is the disc inserted at an angle? Hmm?</p> <p>c Unplayable discs such as CD-ROM Are you sure you have not inserted the (page 38) c Is a DVD with an area code that cannot be played on this unit loaded ? (page 38) c Playback is not possible if there is condensation (page 8) di).</p> <p>c Finalized files created on another machine cannot play a disc that does not have plug.</p> <p>c Insert a disc that cannot be played on this unit. Is ____ in? (page 38)</p>
<p>disc playback starting from the beginning of not.</p>	<p>c Title menu, DVD menu Insert the disc that displays the new screen. Is ____ in?</p>
<p>playback automatically begin.</p>	<p>c Insert a DVD that starts playing automatically. Is ____ in?</p>
<p>Playback stops automatically.</p>	<p>cSome discs record an auto pause signal. child If you play a disc like Playback stops automatically at the topose signal.</p>

Stop, fast forward/fast throw back Operations such as raw Can not.	c Do not play discs for which operation is prohibited. aren't you? Instructions that come with the disc Please also refer to the book.
Change audio language Can not.	c Multiple audio languages on the DVD you are playing is recorded? c Are you playing a DVD that prohibits switching the audio language ? c Operate from the DVD menu.
you can change the subtitles do not have.	c The DVD being played has multiple subtitles. is it recorded? c Change the subtitle or turn off the subtitle. Are you playing a prohibited DVD? Hmm? c Operate from the DVD menu.
change angle can see Can not.	c Multiple angles on the DVD you are playing is recorded? c DVDs that prohibit changing the angle are you playing? c Operate from the DVD menu.

No	
audio sound. audio multiplex broadcasting sound is switched can't	<p>c Check that the connection cord plug is firmly inserted.</p> <p>c Check if the connection cord is broken. please.</p> <p>c Is it connected correctly to the input terminal of the amplifier? c Audio from this unit is output by switching the input of the amplifier Please be so.</p> <p>c When paused or slowed down, No sound.</p> <p>c Fast-forward or fast-reverse (search) There is no sound when you are there.</p> <p>c Sound is output from the optical digital audio output terminal. If not, select [Optical digital output] settings. (page 107).</p> <p>c On the TV setting screen when recording Set [Auto Stereo Reception] to [On]. Sai (page 95).</p> <p>c Built-in Dolby Digital decoder Optical digital audio output to an amplifier that is not Are you connecting with In such cases , use Audio LR OUT (audio output). Please connect. c</p> <p>Monaural or main audio due to weak signal It may have been recorded only vinegar. Adjust the antenna orientation or Amplify radio waves with a commercially available antenna booster please.</p>
Remote controller	
does the remote control work do not have.	<p>c The batteries are exhausted (page 17).</p> <p>c After replacing the batteries, the TV Car settings return to default settings There are cases. remote control manufacturer Please match the registration number again (17 page).</p> <p>c Point the remote control at the main unit to operate. when.</p> <p>c Confirm that the remote control modes of the main unit and the remote control are Check if they match (18 page).</p> <p>c Operate the remote control away from the main unit please do not.</p> <p>c Make sure the remote control sensor is not exposed to strong light. Please be so.</p>

Remote control of this unit If you operate with machine and other "PSX" are moving at the same time wait.	c Make sure that the remote control modes of this unit and the other Please check if it is. Book Change the remote control mode of the machine (page 18).
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"PlayStation 2"	
"PlayStation 2" dedicated memory card (8MB) or memory card recognize or save (Record) I can't.	c "PlayStation 2" dedicated memory card (8MB) or memory card Make sure it is firmly inserted into the please. c Make sure you are following the game instructions. Please confirm. Software description See books, etc. c "PlayStation 2" dedicated memory card (8MB) or free space on the memory card Please check if there is enough space. c Select the Is a memory card inserted? please confirm. c "PlayStation 2" dedicated memory card (8MB) or memory card problem There may be what you have Other "PlayStation 2" dedicated memory card (8MB) or memory card Please try replacing it with

others	
not working properly <small>stomach.</small>	c Press and hold the =/1 (power) switch on the main unit for 10 seconds. Continue and turn the power off and on again. when. c Do not operate normally due to the effects of static electricity, etc. When this happens, turn off the power, then turn off the power. Unplug the cord, let it sit for a while, then try again. plug in the cord and turn on the power. <small>stomach.</small>
Time until image appears when switching channels It takes time.	c After receiving the program guide, it may take some time until the image appears.

Warranty and after-sales service

This machine is for use in Japan only. It cannot be used overseas where the power supply voltage and broadcasting standards are different.

warranty

- This product comes with a warranty card.
Please pick it up at the store where you purchased it.
- After filling in the specified items and checking the content,
Please save.
- The warranty period is one year from the date of purchase.

After-sales service

If you feel unwell, first check and consult

Refer to the section "Troubleshooting" to check whether the product is malfunctioning.

Please check. If the symptoms do not improve, contact the Customer Service Center (back cover).
Please contact

About repair (hard disk)

- During repairs and inspections, the data on the hard disk may be checked to the minimum extent necessary to confirm the occurrence and improvement of malfunction symptoms. However, we do not duplicate or save files such as titles.
- If the hard disk needs to be initialized or replaced, We will initialize at our discretion. Please note that all data recorded on the hard disk will be erased (including cases where data corresponding to copyrighted works is found).

Repairs during the warranty period

We will repair it based on the contents of the warranty.
Please see the warranty for details.

Repair after the warranty
period has expired
I will understand.

We cannot guarantee the quality of the recorded content. If recording/editing is not possible for any reason, including defects, failures, repairs, replacements, and other external factors, or if the recorded/edited material is damaged or lost, In any case, the Company will not be held responsible for any compensation for the recorded contents or any damages that accompany it.

Retention period of parts We

stock repair performance parts (parts necessary to maintain the functionality of the product) for hard disk DVD recorders for at least 8 years after production is discontinued. This parts retention period is the period during which repairs are possible. Even after the holding period has passed, repairs may still be possible depending on the part of the problem, so please contact the store where you purchased the watch or the Customer Service Center (back cover).

Replacing parts When

repairing this product, parts replaced may be recycled or reused. In that case, we will collect the replaced parts.

When consulting with us, please let us know the following: - Model name: DESR-7100/DESR-5100 - Disc type: DVD video, DVD-RW, DVD-R, etc. - Connected antenna: VHF/UHF, VHF/UHF/BS mixed,

some

- Make and model name of the connected TV or amplifier
- Failure status: as detailed as possible •Purchase date:



Main Specifications

system

form	DVD recorder with hard disk
Signal	JEITA standard, NTSC $\ddot{y}\ddot{y}$ method
system Receiving channel	VHF: 1 to 12 channels
	UHF: 13-62 channels
	CATV: C13 to C35 channels
	BS: 1, 3, 5, 7, 9, 11, 13, 15 cha tunnel
Video reception method	Frequency synthesizer method
reception method	Video compression method
method/bit rate	MPEG1 \ddot{y} MPEG2

Linear PCM (in HQ mode), Dolby
Digital 2ch /256 kbps
(HSP, SP, LP, EP, SLP mode)

Input/output terminal

antenna input	Terrestrial: VHF/UHF 1 axis, 75 \ddot{y} F type connector Tar BS IF: 75 \ddot{y} F-type connector (power output for converter DC15V max. 4W, core side +) pin jack, 1.0 Vp-p/75 \ddot{y} pin jack, 1.0 Vp-p/75 \ddot{y}
Video input	
Video output	
S video input	4-pin mini-DIN, Luminance signal: 1.0 Vp-p/75 \ddot{y} Color signal: 0.286 Vp-p/75 \ddot{y}
S1 video output	4-pin mini-DIN Luminance signal: 1.0 Vp-p/75 \ddot{y} Color signal: 0.286 Vp-p/75 \ddot{y}
Voice input	pin jack Input level: 2 Vrms (input impedance : 22 k \ddot{y} or more)
audio output	pin jack Output level: 2 Vrms (load impedance : 10 k \ddot{y})
Digital audio output * Light	Square optical jack 1 system / -18 dBm (output Light wavelength 660 nm)
D1/D2 image output D terminal /Y	1.0 Vp-p/75 \ddot{y} , PB/CB \ddot{y} 0.7 Vp-p/75 $\ddot{y}\ddot{y}$ PR/CR \ddot{y} 0.7 Vp-p/ 75

MEMORY STICK slot

Standard

MEMORY CARD slot (2)

Network terminal 10BASE-T/100 BASE-TX connector

(The connection speed may vary depending on the
network usage environment.

We do not guarantee the communication speed or
communication quality of 10BASE-T/100 BASE-TX .)

Controller terminal (2)

USB terminal 1.1, 1 system

96 kHz PCM audio is converted to 48 kHz from the digital audio output terminal .
converted and output.

power, other

power supply	AC100 V \ddot{y} 50/60 Hz
power consumption	80W
Allowable operating temperature	5 \ddot{y} 35 \ddot{y}
Allowable operating humidity	25 \ddot{y} 80 \ddot{y}
Maximum external dimensions (when placed horizontally)	312 \times 88 \times 323 mm (width \times height \times depth going) including maximum projection

Hard Disk Capacity DESR-7100: 250GB

DESR-5100: 160GB

Body mass

DESR-7100: about 5.8kg

DESR-5100: about 5.7kg

accessories

Video/audio code (1)

power cord (1)

Antenna distributor (2)

Coaxial cable with F-type connector (4)

Remote control (1)

AA (R6) batteries (2)

Instruction manual (1)

Preparation guide (1)

Warranty (1)

"PSX" chart (1)

Safety (1)

Optional accessories

Optional accessory as of June 2004. In the unlikely event that it is out of stock or raw
Please forgive me when the production is completed.

"PSX" dedicated analog controller (DUALSHOCK 2) model name:

DESR-10

The specifications and appearance of this unit are subject to change without notice for improvement.

Yes, but please understand.

software license agreement

This agreement sets forth the terms and conditions regarding the licensing of the right to use the following software (hereinafter referred to as "licensed software") between the customer (hereinafter referred to as "customer") and Sony Corporation (hereinafter referred to as "Sony").

Licensed software [PSX® upgrade software ver.1.30]

Article 1 (General

Provisions) The Licensed Software is protected by the copyright laws of Japan and other countries, treaties on the rights of authors and related rights, and other intellectual property laws. The Licensed Software is licensed to you by Sony in accordance with the terms of this Agreement, and the copyright and other intellectual property rights of the Licensed Software are transferred to you. I will not.

Article 2 (Usage

Rights) 1. Sony grants you a non-exclusive right to use the Licensed Software.

2. The right to use the licensed software arising from this agreement shall mean that the customer can access the licensed software from the Internet or media distributed or purchased by the customer from Sony PSX® owned by the customer (hereinafter referred to as the product).) means the right to download one copy per device and use it on the relevant product. 3. The customer may not reproduce, duplicate, modify, add or otherwise modify all or part of the Licensed Software.

Article 3 (Restrictions on

Rights) 1. The customer shall not sublicense, lend, lease, or allow any third party to use the Licensed Software. 2. Licensed software is licensed as a single piece of software on the condition that it is used in this product. You may not separate all or part of the Licensed Software or its component parts for use in more than one product. 3. You shall not use the Licensed Software to infringe the copyrights or other rights of Sony or any third party. 4. The customer shall not perform source code analysis work such as reverse engineering, disassembling, decompiling, etc. regarding the licensed software.

5. Based on this agreement, the customer may transfer all of the rights related to the customer's licensed software only together with this product. However, in such a case, the customer may not own a copy of the licensed software, and shall retain all of the licensed software (including all components, media, related documents such as manuals, electronic documents, and this agreement). The transfer is conditioned on the transferee's acceptance of the terms of this Agreement.

Article 4 (Rights of Licensed

Software) All rights, including copyrights, relating to the Licensed Software shall belong to Sony or the original right holder (hereinafter referred to as the The customer shall have no rights other than the license granted under Article 2 of this agreement with respect to the licensed software.

Article 5 (Scope of

Liability) 1. Sony does not warrant that the Licensed Software will be free of errors, bugs or other defects, or that the Licensed Software will operate without interruption. provided, however, that in order to deal with such errors, bugs and other defects, Sony shall repair the Licensed Software by providing software that rewrites a part of the Licensed Software or provide version upgrades, replace the Licensed Software by mail, or replace the Licensed Software with other companies. We may notify you of the point of contact for inquiries regarding software manufactured by us. The method of providing the software and version upgrades specified in this section shall be determined by Sony at its discretion. Unless otherwise specified, the provisions of this Agreement shall also apply to such repaired or upgraded software. 2. Sony does not guarantee that Sony or the original right holder does not infringe the intellectual property rights of third parties in relation to the Licensed Software. There is none.

3. Sony shall not be liable for any damages incurred by the customer or any third party as a result of the customer exercising the license granted under this Agreement. 4. Sony does not guarantee the commencement or continuation of services provided by Sony or third parties in connection with the Licensed Software. 5. In any event, Sony's liability for damages to the customer shall be limited to the purchase price of the product as evidenced by the customer. 6. The licensed software includes software called "PlayStation® BB Navigator" for accessing "PlayStation® BB". Please note that in some cases, you may be required to agree to the terms of use or enter into a license agreement separately with the service provider or copyright holder. First of all, please read the terms of use in the "PlayStation®BB" info.

Article 6 (Termination of

Agreement) 1. Sony may immediately terminate this Agreement if you violate any provision of this Agreement. If you breach any provision of this Agreement and Sony sends you a notice of termination of this Agreement, this Agreement will terminate on the date Sony becomes aware that you have breached any provision of this Agreement. shall be terminated (hereinafter referred to as the contract termination date). 2. If this Agreement is terminated pursuant to the provisions of the preceding paragraph, the customer shall stop using the Licensed Software within two weeks from the termination date of the agreement. In addition, if requested by Sony, the customer shall send the product to a location designated by Sony so that Sony can remove the licensed software from the product, and Sony will promptly return the product to the customer after removal. shall be

Software License Agreement (continued)

Article 7 (Others)

1. This Agreement shall be governed by the laws of Japan.
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4. Even if some provisions of this agreement are invalid by law, All other provisions shall remain in full force and effect.

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About the G guide system

The G guide system is adopted for the program table function of this machine. In the G-GUIDE system, a specific broadcasting station (host station) distributes program guide data using terrestrial television broadcasting. This unit receives the program guide data several times a day and displays it on the TV screen. If you live in an area where you can receive broadcasts from the host station, you can use this program information service free of charge by simply performing a simple setting. The mark is displayed when using G-GUIDE program information.



please note

ŷ The service may not be available depending on the area where you live or the radio wave condition.

ŷ The content of the program listing service using the G-Guide system not involved in

About the provision of the G-Guide System service

The G-Guide System service is mainly provided by Interactive Program Guide Co., Ltd. Data may not be sent due to the circumstances of Interactive Program Guide Inc., which distributes the program guide data, and the broadcasting station (host station).

I will.

G-Guide Service Area

Program guide data using the G guide system is transmitted from the following broadcasting stations (as of June 2004).

ŷ Hokkaido area - Hokkaido Broadcasting Corporation (HBC)

ŷ Tohoku area - Aomori TV (ATV), Akita TV (AKT), Iwate Broadcasting (IBC), TV You Yamagata (TUY), Tohoku Broadcasting (TBC), TV You Fukushima (TUF)

ŷ Kanto area - Tokyo Broadcasting System (TBS)

ŷ Chubu area - Niigata Broadcasting (BSN), Shin-Etsu Broadcasting (SBC), Shizuoka Broadcasting (SBS), Central Japan Broadcasting (CBC), Television Yamanashi (UTY), Tulip Television (TUT), Hokuriku Broadcasting (MRO), Fukui Television (FTB)

ŷ Kinki area - Mainichi Broadcasting System (MBS), Asahi Broadcasting System (ABC)

ŷ Chugoku/Shikoku area - Sanyo Broadcasting (RSK), Chugoku Broadcasting (RCC), Television Yamaguchi (TYS), Sanin Broadcasting (BSS), Ai Television (ITV), Television Kochi (KUTV)

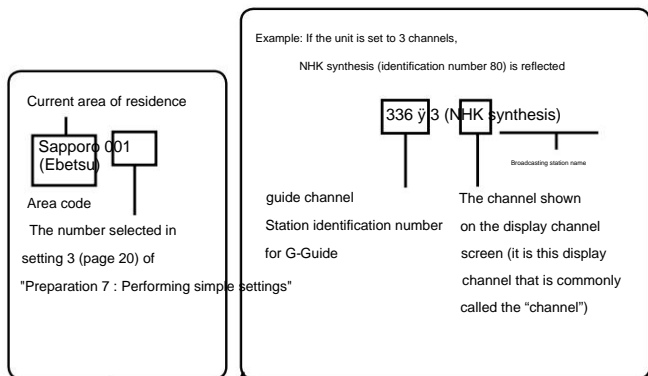
ŷ Kyushu/Okinawa region ŷRKB Mainichi Broadcasting (RKB), Nagasaki Broadcasting (NBC), Oita Broadcasting (OBS), Kumamoto Broadcasting (RKK), Miyazaki Broadcasting (MRT), South Japan Broadcasting (MBC), Ryukyu Broadcasting (RBCs)

List of guide channels

Program guide data is sent from a broadcasting

station (host station) with a **G-GUIDE region number/broadcasting station list "y"**.
(as of June 2004).

How to read characters in the table



Prefecture	Prefecture region name	region number	Guide channels and display channels of broadcasting stations that can be reserved in G-GUIDE (Broadcasting station names are abbreviated)	
Hokkaido	Sapporo (Ebetsu)	001	336y3 (NHK synthesis) 346y12 (Hokkaido Television) 257y1 (Sapporo Television) 291y35 (Hokkaido Cultural Broadcasting) 273y17 (Hokkaido Television)	
		002	336y11 (NHK General) 257y9 (Hokkaido Broadcasting) 291y4 (Hokkaido Television) 273y24 336y9 (Hokkaido Television) (Television Hokkaido)	
	Asahikawa	003	257y11 (NHK General) 291y39 (Hokkaido Broadcasting) 273y33 336y4 (Hokkaido Television) 257y10 291y24 (Hokkaido Television) (Television Hokkaido)	
		Nayoro	004	273y33 336y28 (NHK General) 257y10 291y24 (Hokkaido Broadcasting) 273y33 336y9 (Hokkaido Broadcasting) 257y11 291y39 (Hokkaido Television) (Television Hokkaido)
			005	273y29 336y51 (NHK General) 257y55 291y61 (Hokkaido Broadcasting) 273y47 336y4 (Hokkaido Television) (Television Hokkaido)
	Muroran	006	273y21 336y4 (NHK General) 257y6 291y34 (Hokkaido Broadcasting) (Hokkaido Television) (Television Hokkaido)	
		007	(NHK General) 346y49 261y57 (NHK Education) (Hokkaido Broadcasting) 283y53 (Sapporo Television) (Hokkaido Television) (Television Hokkaido)	
	Hakodate	008	(NHK General) 346y10 261y12 (NHK Education) (Hokkaido Broadcasting) 283y27 (Sapporo Television) (Hokkaido Television) (Television Hokkaido)	
	Obihiro	009	(NHK General) 346y12 (NHK Education) (Hokkaido Broadcasting) 261y10 283y32 (Sapporo Television) (Hokkaido Television) (Television Hokkaido)	
		Kushiro	010	273y29 336y9 257y11 291y39 (NHK General) 273y29 (Hokkaido Broadcasting) (Hokkaido Television) (Television Hokkaido)
	Abashiri		011	336y3 257y1 291y35 (NHK General) 346y12 261y5 (NHK Education) (Hokkaido Broadcasting) 283y27 346y2 (Sapporo Television) 336y9 257y53 (Hokkaido Television) (Television Hokkaido)
		291y61		(NHK General) (Hokkaido Broadcasting) (Hokkaido Television)

Aomori	Aomori (Hirosaki)	013 592y3 513y1 (NHK General) 290y34 (Aomori Broadcasting) (Aomori Asahi Broadcasting)	602y5 (NHK education) 294y38 (Aomori TV)	
		Hachinohe	014 592y9 513y11 (NHK General) 290y31 (Aomori Broadcasting) (Aomori Asahi Broadcasting)	602y7 (NHK education) 294y33 (Aomori TV)
		Mutsu	015 592y4 513y10 (NHK General) 290y56 (Aomori Broadcasting) (Aomori Asahi Broadcasting)	602y12 (NHK education) 294y58 (Aomori TV)
Morioka	016 848y4	262y6 289y33 (NHK General) (Iwate Broadcasting) (Iwate Menkoi Television)	858y8 (NHK Education) 547y35 (TV Iwate) (Iwate Asahi Television)	
		017 848y2	262y10 (NHK General) (Iwate Broadcasting) (Iwate Menkoi Television)	858y12 (NHK Education) 547y58 (TV Iwate) (Iwate Asahi Television)
	Ninohe	018 848y5	262y2 (NHK General) 289y29 (Iwate Broadcasting) (Iwate Menkoi Television)	858y12 (NHK Education) 547y37 (TV Iwate) (Iwate Asahi Television)
		019 1104y3	769y1 546y34 (NHK General) (Tohoku Broadcasting) (Miyagi Television)	858y12 (NHK Education) 268y12 (Sendai Broadcasting) (Miyagi Television) Japan Broadcasting) 1114y49 (NHK Education)
Ishinomaki	020 1104y5	769y59 546y55 (NHK General) (Tohoku Broadcasting) (Miyagi Television)	268y57 (Sendai Broadcasting) (Miyagi Television) Japan Broadcasting) 1114y49 (NHK Education)	
		021 1104y2	769y4 546y37 Akita (NHK General) (Tohoku Broadcasting) (Miyagi Television)	1114y10 (Sendai Broadcasting) (Miyagi Television) Japan Broadcasting) 1114y49 (NHK Education)
267y11	287y31	Odate	023 1360y4 (NHK General) (Akita Broadcasting) (Akita Asahi Broadcasting)	1370y2 (Akita Television) 203y22 (Akita TV)
		267y6 287y59 (NHK General) (Akita Broadcasting) (Akita Asahi Broadcasting)	1370y8 (NHK education) 293y57 (Akita TV)	
	Asahi Broadcasting)	Omagari	024 1360y4 (NHK General) 267y47 (Akita Broadcasting) (Akita Asahi Broadcasting)	1370y43 (NHK education) 293y51 (Akita Television)
		Yamagata	025 1616y8 266y10 (NHK General) 292y36 (Yamagata Broadcasting) (TV You Yamagata Broadcasting)	1626y4 (NHK education) 550y38 (Yamagata TV) 286y30 (Sakurambo TV)
Tsuruoka (Sakata)	026 1616y3	266y1 (NHK General) 292y22 (Yamagata Broadcasting) (TV You Yamagata Broadcasting)	1626y6 (NHK education) 550y39 (Yamagata TV) 286y24 (Sakurambo TV)	
		Yonezawa	027 1616y52 (NHK General) (Yamagata Broadcasting) (TV You Yamagata Broadcasting)	1626y50 (Yamagata TV) 286y24 (Sakurambo TV)
Fukushima	Fukushima (Koriyama)	028 1872y9	523y11 (NHK General) 803y35 (Fukushima Television) (Fukushima Broadcasting)	1882y2 (NHK Education) 545y33 (Fukushima Central Television) (TV You Fukushima)
		Iwaki	029 1872y4	523y8 (Fukushima Television) 803y60 (Fukushima Broadcasting)
Aizuwakamatsu	030 1872y1	523y6 (Fukushima Television) 803y41 (Fukushima Broadcasting)	1882y3 (NHK Education) 545y37 (Fukushima Central Television) (TV You Fukushima)	
		Ibaraki	031 2128y44	260y42 (Nippon TV) (Fuji TV) (Tokyo Metropolitan Television) (TV Tokyo) (Fuji TV) (Tokyo Metropolitan Television) Hitachi 032 2128y52
Tochigi	Utsunomiya	033 2128y29	260y54 (Nippon TV) (Fuji TV) (Tokyo Metropolitan Television) (TV Tokyo) (Fuji TV) (Tokyo Metropolitan Television)	Education) 2138y57 (TBS Television) 518y23 (TV Asahi) (Television) 535y31
		260y53 (Fuji TV) (Nippon TV) (Tokyo Metropolitan Television) (TV Tokyo) (Fuji TV) (Tokyo Metropolitan Television)	Education) 2138y57 (TBS Television) 518y55 (TV Asahi) (Television) 535y31	
Gunma	Maebashi (Isesaki/Takasaki)	035 2128y52	(Nippon TV) (Fuji TV) (Tokyo Metropolitan Television) (TV Tokyo) (Fuji TV) (Tokyo Metropolitan Television)	Education) 2138y57 (TBS Television) 518y56 (TV Asahi) (Television) 535y31
		260y39 264y35 304y41 270y14	(NHK General) (Nippon Television) (Fuji Television) (Television) (Gunma Television) (Tokyo Metropolitan Television)	(NHK Education) (TBS TV) (TV Asahi) (TV Saitama) (TV Saitama)

reserved with G - GUIDE		Guide channels of broadcasting stations that can be			
Saitama	Saitama 037 2128y1	(NHK synthesis)	2138y3	(NHK Education)	
		(Fuji TV) (TV Asahi) 264y8 (TV Tokyo) (TV Saitama) 524y12 (TBS TV) (Metropolitan) 270y14 Kumagaya 038 2128y22y10	806y38		
		(NHK General) Education) 2138y36			
Chichibu	039 2128y1	(NHK General) Education) 2138y36			
		(Fuji TV) (TV Asahi) 264y8 (TV Tokyo) (TV Saitama) 524y12 (TBS TV) (Metropolitan) 270y14 Kumagaya 038 2128y22y10	806y28		
		(NHK General) Education) 2138y40			
Chiba	040 2128y2	(NHK General) Education) 2138y40			
		(Fuji TV) (TV Asahi) 264y8 (TV Tokyo) (TV Saitama) 524y12 (TBS TV) (Metropolitan) 270y14 Kumagaya 038 2128y22y10	806y47		
		(NHK General) Education) 2138y3			
Tokyo 23 Wards	042 2128y1	(NHK General) Education) 2138y3			
		(Nippon TV) (Fuji TV) (TV Tokyo) (TV Kanagawa) (Tokyo Metropolitan) Hachioji 043 2128y51	806y38		
		(NHK General) Education) 2138y49			
Hiratsuka (Chigasaki)	2128y33	(NHK General) Education) 2138y29			
		(Nippon TV) (Fuji TV) (TV Tokyo) (TV Kanagawa) Hadano 048 2128y47	518y37		
		(NHK General) Education) 2138y50			
Yamanashi	073 2128y1	(NHK General) Education) 2138y3			
		(Fuji TV) (TV Asahi) 264y8 (TV Tokyo) (TV Kanagawa) (Tokyo Metropolitan) Yokohama 2*	298y48		
		(NHK General) Education) 2138y29			
Yamanashi	073 2128y1	(NHK General) Education) 2138y3			
		(Fuji TV) (TV Asahi) 264y8 (TV Tokyo) (TV Kanagawa) (Tokyo Metropolitan) Yokohama 2*	298y48		
		(NHK General) Education) 2138y29			

* If you are watching NHK synthesis on channel 52, please select "Yokohama 1" Please choose "Yokohama 2". If you don't know which one, "Yokohama 2" Select to check the reception status. When you cannot receive correctly choose "Yokohama 1" again.

Nagano	Nagano 1**	051 264y44	(NHK General) Education) 2138y36		
		779y48 (Shinetsu Broadcasting) Shinshu)	2650y46	(NHK Education)	
		1062y42 (Nagano Broadcasting) Asahi Broadcasting)			
Nagano 2**	052 264y42	(Shinetsu Broadcasting) Shinshu) 542y30 (TV Shinshu) 053 2640y44	2650y9	(NHK Education)	
		(NHK General) Education) 2138y36			
		(Nagano Broadcasting) Shinshu) 542y30 (TV Shinshu) 053 2640y44	2650y46	(Shin-Etsu Broadcasting) Asahi Broadcasting)	
Okaya and Suwa	055 2640y4	542y59 (NHK General) Education) 2138y36	2650y8	(NHK Education)	
		1062y47 (Nagano Broadcasting)	532y61	(Shin-Etsu Broadcasting) (Nagano Broadcasting)	
		056 238y8	517y5	(NHK General) Education) 2138y36	
Niigata (Nagaoka)	285y29	(Niigata Broadcasting) (TV Niigata) Joetsu 057	1059y35	(Niigata Broadcasting) (Niigata Television 21) 239y41	
		2384y3 517y10 285y27		(NHK General) Education) 2138y36	
		(Niigata Broadcasting) (TV Niigata)	1059y33	(Niigata Broadcasting) (Niigata Television 21) 3162y10	
Toyama	058 3152y3	1025y1 (NHK General) Education) 2138y36			
		544y32 (Northern Japan Broadcasting) (Tulip TV)	802y34	(Toyama TV)	
		059 3152y48		(NHK General) Education) 2138y36	
Takaoka	059 3152y48	1025y50 (Northern Japan Broadcasting) 544y42 (Tulip TV)	3162y46	(NHK education)	
		802y44	(Toyama TV)		
		060 3408y4	774y6	(NHK General) Education) 2138y36	
Ishikawa (Komatsu)	801y33	(Hokuriku Broadcasting) (TV Kanazawa) Nanao061	281y25	(Hokuriku Asahi Broadcasting)	
		3408y9 774y11 801y57		(NHK General) Education) 2138y36	
		(Hokuriku Broadcasting) (TV Kanazawa)	281y59	(Hokuriku Asahi Broadcasting)	
(TV Kanazawa) Fukui	062 3664y9	1035y11 (Fukui Broadcasting)	295y39	(Fukui TV)	
		063 3664y6	1035y8	(NHK General) Education) 2138y36	
		(Fukui Broadcasting)	3674y12	(NHK education)	
Gifu (Gogaki)	064 4176y3	(NHK General) Education) 2138y36			
		1029y5 (Chubu Broadcasting) (Nagoya Broadcasting) 1061y37 (Gifu Broadcasting) (Mie Television) 1061y33	4186y2	(NHK Education)	
		1281y1 (Tokai Television) 537y25 (TV Aichi)			
Gifu (Gogaki)	064 4176y3	(NHK General) Education) 2138y36			
		1029y6 (Chubu Broadcasting) 1547y12 (Nagoya Broadcasting) 1061y37 (Gifu Broadcasting) (Mie Television) 1061y33	4186y2	(NHK Education)	
		1281y1 (Tokai Television) 537y25 (TV Aichi)			
Gifu (Gogaki)	064 4176y3	(NHK General) Education) 2138y36			
		1029y8 (Chubu Broadcasting) 1547y6 (Nagoya Broadcasting) 1061y37 (Gifu Broadcasting) (Mie Television) Shizuoka Shizuoka	4186y12	(NHK Education)	
		1281y10 (Tokai Television) 537y25 (TV Aichi)			
Gifu (Gogaki)	067 3920y9	(Shimizu Broadcasting) (NHK General) Education) 2138y36			
		1291y11 (Shizuoka Broadcasting) 1057y28 (Shizuoka Asahi Television)	3930y2	(TV Shizuoka) (NHK Education)	
		1291y10 (Tokai Television) 537y25 (TV Aichi)			
Fuji (Fujinomiya)	069 3920y52	(Shizuoka Asahi Television) Numa070 3920y57y29 Mishima/	3930y54	(TV Shizuoka) (NHK Education)	
		(Shizuoka Asahi Television) Numa070 3920y57y29 Mishima/	799y27 3930y51		
		(NHK General) Education) 2138y36			
Tsu	1291y55	(Shizuoka Broadcasting) (NHK General) Education) 2138y36			
		1291y5 (Shizuoka Broadcasting) 1057y50 (Shizuoka Asahi Television) Fujiyeda	1315y59	(TV Shizuoka) (NHK Education)	
		1315y59 (TV Shizuoka) (NHK Education)	3930y3		
Tsu	072 3920y42	(NHK General) Education) 2138y36			
		1291y40 (Shizuoka Broadcasting) 1057y26 (Shizuoka Asahi Television)	1315y58	(TV Shizuoka) (NHK Education)	
		1315y58 (TV Shizuoka) (NHK Education)	3930y44		
Nagoya	073 4176y3	(NHK General) Education) 2138y36			
		1029y5 (Chubu Broadcasting) (Nagoya Broadcasting) 1061y37 (Gifu Broadcasting) (Mie Television) 1061y33	4186y9	(Tokai Television) (NHK Education)	
		1571y23 (Chukyo Television) 1313y33			
Toyohashi (Toyokawa)	074 4176y54	(Chubu Nippon Broadcasting) (NHK General) Education) 2138y36			
		(Nagoya TV) 1571y23 (Chukyo Television) 1313y33	4186y50	(Tokai Television) (NHK Education)	
		1315y56 (Chukyo Television)			

** If you are watching NHK synthesis on channel 44, please select "Nagano 1", otherwise select "Nagano 2". If you don't know which one, select "Nagano 2" and check the reception status. If you cannot receive it correctly, select "Nagano 1" again.

Station Name	Channel	Frequency	Service
Guide channels of broadcasting stations that can be reserved on G-Guide and display Prefecture's area name Number channel (Broadcasting station names are abbreviated) Aichi Toyota 075 4176			
Aichi	(NHK synthesis Education)	4186y51	(NHK Education)
	1281y57 (Nagoya Television Education)	1281y57	(Tokai Television)
	Mietsu 076 4176y51 (Gifu Broadcasting)	537y49 1313y 33	(Gifu Broadcasting)
	(NHK General)	4186y9 (Tokai Television)	(NHK Education)
Mie	Broadcasting y (Mie Television)	4176y53	(NHK Education)
	(NHK General)	4186y49 (Tokai Television)	(NHK Education)
	Broadcasting 1028y55 (Mie Television)	4176y52	(NHK Education)
	Broadcasting y (Mie Television)	1547y56 1313y58	(NHK Education) (Tokai Television) (Chukyo Television) (TV)
079 4432y28	(NHK General)	Aichi) 4442y46	(NHK Education)
	516y36 (Mainichi Television) 798y36 (Hikone 080 4432y52)	1030y38 (Asahi Television) 1058y46	(Asahi Broadcasting) (Yomiuri Television)
Kyoto Kyoto (Uji)	(NHK General)	516y4 (Mainichi) 548y36 (Kyoto TV) 4432y51	(NHK Education) (Asahi Broadcasting) (Yomiuri Television) (TV Osaka)
	(NHK General)	4442y49 (Asahi TV) 548y36 (Kyoto TV) 4432y50	(NHK Education) (Yomiuri Television) (Osaka)
	(NHK General)	4442y52 (Asahi TV) 548y36 (Osaka TV) 4432y2	(NHK Education) (Yomiuri Television) (Osaka)
Hyogo Kobe 085 4432y28	(NHK General)	4442y12	(NHK Education)
	516y4 (Mainichi Broadcasting) 275y19 (Kansai TV) (TV) 548y36 (Sun TV)	1030y6 778y10 1058y34	(Asahi Broadcasting) (Yomiuri Television) (Kyoto Television)
	(NHK General)	4442y26	(NHK Education)
	516y18 (Mainichi Television) 548y36 (Sun TV) 4432y52	1030y20 (Asahi TV) 275y19 (TV Osaka) 4442y50	(Asahi Broadcasting) (Yomiuri Television) (TV Osaka)
Akashi (Kakogawa)	(NHK General)	4442y49	(NHK Education)
	516y54 (Mainichi Television) 4432y29	1030y56 (Asahi TV) 275y19 (TV Osaka) 4442y31	(Asahi Broadcasting) (Yomiuri Television) (TV Osaka)
	(NHK General)	4442y52	(NHK Education)
	516y35 (Mainichi TV) 548y33 (Sun TV) 4432y28	1030y37 (Asahi TV) 275y19 (TV Osaka)	(Asahi Broadcasting) (Yomiuri Television) (TV Osaka)
TV Imabari	(NHK General)	4442y46 (Asahi Broadcasting)	(NHK Education)
	Broadcasting y (Kansai TV) 520y40 (Sun TV) 089 4432y50	4442y52 (Asahi TV) 089 4432y50	(Yomiuri Television) (Osaka)
	(NHK General)	4442y52 (Asahi TV) 548y56	(Yomiuri Television) (Osaka)
	516y4 (Mainichi TV) 1058y34 (Nara TV) 1058y34 (Kyoto Television)	1030y6 548y36 (Sun TV) 4442y45	(Asahi Broadcasting) (Sun TV) (TV)
Kochi	(NHK General)	1030y35 (Asahi TV) 548y36 (Sun TV) 1058y34 (Kyoto Television)	(NHK Education) (Asahi Broadcasting) (Sun TV) (TV)

Wakayama	Wakayama 093 4432y32	(NHK General)	4442y26	(NHK Education)
	516y42 (Mainichi Television) 1058y46 (Yama)	1030y44 (Asahi Broadcasting) TV		
Kanan and Tanabe	094 4432y50 (Mainichi) 520y60 (TV Wakayama) 4688y3	(NHK General)	4442y52 (Asahi Broadcasting) (Yomiuri TV) 778y58	
	Tottori Tottori 095			
	1537y1 (Sanin Chubu Television) Matsue 096 4944y24 Shimane	(NHK General)	4690y41 (San-in Broadcasting)	
	(NHK General) Broadcasting 1054y10 (Nihonkai Hamada 097 4944y24 Shimane)	education) 4954y18 (Sanin Central Television)		
	Broadcasting (Nihonkai)	4954y9 (NHK education) 1314y58 (Sanin Central Television)		
	Television) 098 5200y3 (NHK General)	5210y3 (NHK Education)		
Okayama Okayama (Kurashiki)	1803y11 (Sanyo Broadcasting) Setouchi) 1569y25 (Setouchi) 099 5200y2	1827y35 (Okayama Broadcasting)		
	(NHK General) Broadcasting y (Setouchi) 100 5200y2	5210y12 (NHK Education) 1827y60 (Okayama Broadcasting) Japan Broadcasting)		
	(NHK General) Broadcasting y (Setouchi) Hiroshima 101 5456y3	5210y4 (NHK Education) 1827y60 (Okayama Broadcasting) Japan Broadcasting)		
	5456y5	5466y3 (Hiroshima Broadcasting) Hiroshima) 1055y34 Shin-		
	Broadcasting y (Hiroshima Home)	5466y7 (NHK education) 780y12 (Hiroshima TV) 1055y26 (Hiroshima TV)		
	Television) Kure 104	5456y11 (NHK General) 772y9 (China Broadcasting) (Hiroshima Home Television)	(TV Shin-Hiroshima) 5466y1 Education) 780y12 (Hiroshima TV) 1055y26 (Hiroshima TV) 5722y1	
Yamaguchi Yamaguchi (Tokuyama/Hofu)	2059y11 (Yamaguchi Broadcasting) (Yamaguchi Asahi Broadcasting) 5712y39	(NHK Education)	1318y38 (TV Yamaguchi)	
	2059y4 (Yamaguchi Broadcasting) 284y21 (Yamaguchi Broadcasting) Ube	(NHK General)	5722y41 (NHK education) 1318y33 (TV Yamaguchi)	
	107 5712y16	(NHK General)	Education) 5722y44 (TV Yamaguchi)	
	5712y9	(NHK General)	education) 5722y44 (TV Yamaguchi)	
Tokushima 109 5968y3	Broadcasting) 1030y6	(NHK General)	5978y38 (Mainichi) (Kansai Television)	
	Broadcasting) Kagawa Takamatsu 110 6224y37 (NHK General)	6234y39 (West Japan Broadcasting) 1827y41 (Okayama Broadcasting)		
	Broadcasting) 1803y29 (TV Setouchi) Marugame 111 6224y44	(NHK General)	6234y40 (West Japan Broadcasting) 1827y42 (Okayama Broadcasting)	
	Broadcasting) 6480y6 Ehime Matsuyama 112	(NHK General)	6490y2 (NHK Education) 1317y37 (Ehime Broadcasting) (Ehime Asahi Television)	
Niihama 113 6480y2	1290y10 (Nankai Broadcasting)	(NHK General)	6490y4 (Ehime Broadcasting) (Ehime Asahi Television)	
	1290y6 541y27	(NHK General)	6490y30 (Ehime Broadcasting) (Ehime Asahi Television)	
TV Imabari 114 6480y32	Broadcasting) 115 6480y6 541y27 Uwajima	(NHK General)	6490y1 (Ehime Broadcasting) (Ehime Asahi Television)	
	Broadcasting) 541y34	(NHK General)	6490y1 (Ehime Broadcasting) (Ehime Asahi Television)	
Kochi Kochi 116 6736y4 776y6	296y40	(NHK General) (Kochi Broadcasting) (Kochi-san TV)	6746y6 (NHK Education) 1574y38 (TV Kochi)	

region		Guide channels of broadcasting stations that can be reserved with G-GUIDE and display prefectures Area name channels	
Fukuoka	Fukuoka 117 6992 y 3	7002 y 6 (NHK synthesis)	(NHK education)
		West Japan (Fukuoka Broadcasting) 1028 y 4 2049 y 1 (TV Asahi Broadcasting)	
		531 y 19 Kurume (NHK synthesis)	7002 y 54 (Kyushu NHK Education)
		Broadcasting y 1028 y 60 (RKB Mainichi West Japan)	y 57 (Fukuoka Broadcasting) 1520 y 82
		521 y 60 (NHK synthesis)	7002 y 50 (Kyushu NHK Education)
Yukuhashi	121 6992 y 49	Broadcasting y 1028 y 60 (RKB Mainichi West Japan)	y 58 (Fukuoka Broadcasting) 1520 y 83
		521 y 55 (NHK synthesis)	7002 y 12 (NHK Education)
		1028 y 8 (TV West Japan)	2049 y 2 (Kyushu Asahi Broadcasting)
		521 y 10 (TXN Kyushu)	1573 y 35 (Fukuoka Broadcasting)
		531 y 23 (NHK synthesis)	7002 y 46 (NHK Education)
Saga	Saga 122 7760 y 38	804 y 36 (Saga TV Broadcasting)	2315 y 11 (Kumamoto Broadcasting)
		Broadcasting) 1028 y 48 (RKB Mainichi Broadcasting) y	2049 y 57 (Kyushu Broadcasting)
		7770 y 40 (NHK Education)	
		804 y 36 (Saga TV Broadcasting)	2315 y 11 (Kumamoto Broadcasting)
		Broadcasting) 1028 y 48 (RKB Mainichi Broadcasting) y	2049 y 57 (Kyushu Broadcasting)
Nagasaki	Nagasaki 123 7248 y 3	1285 y 5 539 (NHK General)	7258 y 1 (NHK Education)
		y 27 (Nagasaki Broadcasting) y (Nagasaki)	1829 y 37 (TV Nagasaki) 1640 y
		International Television) 7258 y 2	
		Cultural Broadcasting) Sasabe 124 7248 y 8 (NHK General)	(NHK Education)
		1285 y 10 (Nagasaki Broadcasting) y	1829 y 35 (TV Nagasaki) 1640 y 17
y 9	127 8016 y 3	Cultural Broadcasting) Saitaya 125 (NHK General)	International Television) 7258 y 45
		1285 y 49 (Nagasaki Broadcasting) y	1829 y 42 (TV Nagasaki) 1640 y 20
		Cultural Broadcasting) Kumamoto 128 7504 (NHK General)	International Television)
		Broadcasting) y 2049 y 10 (NHK General)	7514 y 2 (TV Kumamoto) 1620 y 10
		278 y 22 (Kumamoto Kenmin TV)	Asahi Broadcasting) 1520 y 10
Oita	Oita (Beppu) 127 8016 y 3	(Oita Broadcasting) 128 8016 y 48 (NHK General)	8026 y 12 (TV Oita) 1620 y 10
		Broadcasting) 280 y 22 (Oita Asahi) 128	
		8016 y 48 (NHK General)	8026 y 45 (TV Oita) 1620 y 10
		Broadcasting) y 1520 y 10 (Oita)	
		280 y 17 Miyazaki (Miyazaki) 128 8016 y 48	
8	Nobeoka 130 8272 y 4	1546 y 10 (Miyazaki Broadcasting) y	8282 y 12 (NHK education)
		2339 y 35 (TV Miyazaki)	
		8282 y 2 (TV Miyazaki) 2339 y 35	
		(Miyazaki)	
		Broadcasting) y Kagoshima Kagoshima 131 8528 y 3 (NHK General)	8538 y 5 (Kagoshima NHK Education)
Broadcasting) y Kagoshima	32 Akune 132 8528 y 3	Broadcasting) y 2339 y 35 (NHK Kagoshima)	Yomiuri Television) 1310 y 35 (Kagoshima)
		800 y (NHK General)	8538 y 12 (Kagoshima NHK Education)
		Broadcasting) y 2339 y 35 (NHK Kagoshima)	Yomiuri Television) 1310 y 35 (Kagoshima)
		23 Kanoya 133 8528 y 3 (NHK General)	800 y (NHK Education)
		2305 y 6 (Southern Broadcasting) y 800 y	1310 y 25 (Kagoshima TV)
Okinawa	Okinawa 134 8784 y 2	31 (Kagoshima Broadcasting)	1310 y 25 (Kagoshima TV)
		1802 y 10 (Ryukyus) 1032 y 8 (Okinawa TV)	

About the guide channel of BS broadcasting

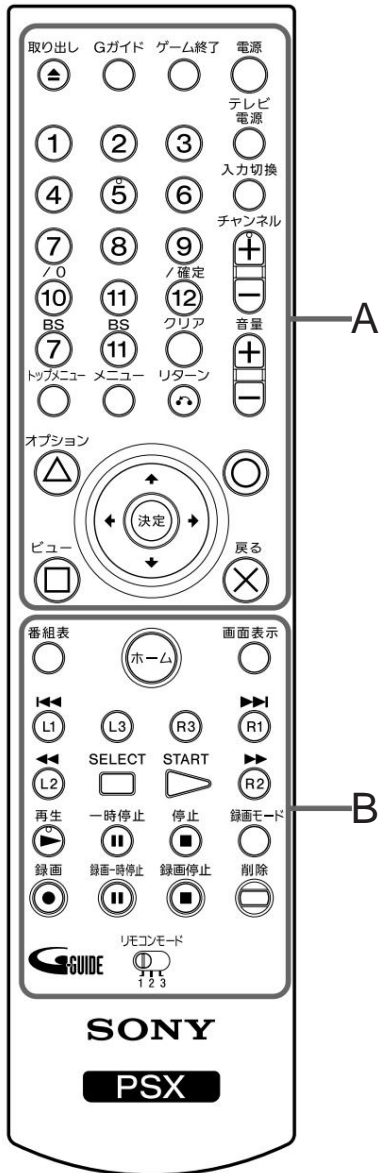
BS broadcasting station name	Guide channel
NHK satellite first	74
NHK Satellite 2nd	76
WOWOW 73	

Name of each part

See the pages in () for explanations of each part.

Remote controller

The buttons on the remote have the same functions as the buttons with the same name on the main unit. increase.























A

button	name	Function/reference page
	Take out Z	eject the disc
	G-guide	display the program guide/ terminate (31)
	Game over	exit game mode do (87)
	power supply	Turn on the machine
	number button	select channel/number Enter characters (17)
	BS channel	Choose a BS channel
	clear	Erase entered numbers
	Displays the title of the top menu DVD. show	
	menu	Display DVD menu show
	O-return	Return to previous screen
	tv power	turn on the tv
	Switch TV input Switch TV input get	
	tv channel y/y Choose	
	TV volume +/- Adjust the TV volume. Ru	
	y/Option Displays the operation panel. / option screen Make it visible (41, 36)	
	y/view change the visualizer change	
	• decide	
	x/Back	Return to previous screen
	Mm</decide	Determine (40), in Mm choose a channel

Numerals, channels, and play buttons have raised (protrusions) (numbers button is "5" only, channel +/- button is only "+"). operation eyes

Please use it as a mark.

B

button	name	Function/reference page
	home	Show home menu let (40)
	A TV schedule	display the program guide/ switch (33)
	screen display/time display	screen display/time display switch (53)
	L1/.	return to title
	R1/>	Advance to the beginning of the next title nothing
	L2/m	Rewind during playback come alive
	R2/M	Fast forward during playback come alive
	L3	.
	R3	Add chapter mark get
	SELECT	Displays the home menu let
	START -	
	H regeneration	Reproduce
	X stop for a while	pause
	xstop	Stop
	recording mode	Switch recording mode Ru
	Recording	start recording
	Pause recording	Pause recording
	x stop recording	while watching a TV program stop recording
	delete	delete music
	remote control mode switch	switch remote control mode exchange

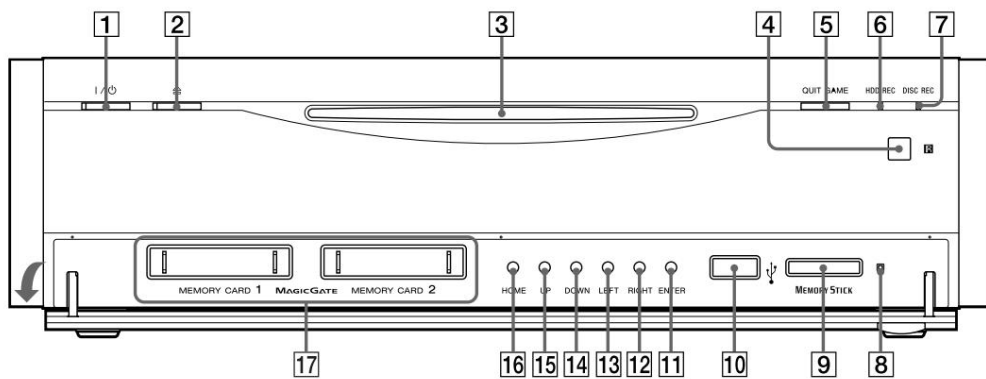
Part names (continued)

body

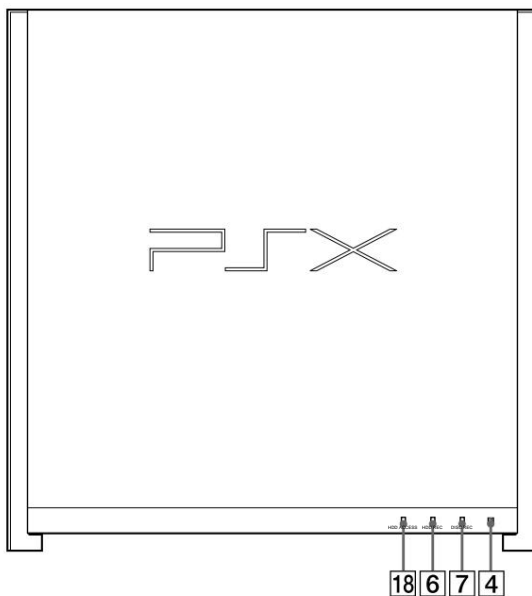
The buttons on the main unit have the same functions as the buttons of the same name on the remote control.

increase. The number in () is the page number.

Front (landscape)



Top (vertical)



1 @/1 (power) switch (21)

2 A (eject) button (25) 3 Disc

slot (25) (remote control sensor)



4 QUIT GAME button (87)

6 HDD REC (HDD recording) lamp (126)

7 DISC REC (disc recording) lamp (126)

8 MEMORY STICK access lamp (25)

9 MEMORY STICK slot (25)

(24) q; ~~q; qj~~ ENTER

button

RIGHT button qs

qd qf DOWN button qg

UP button qh HOME

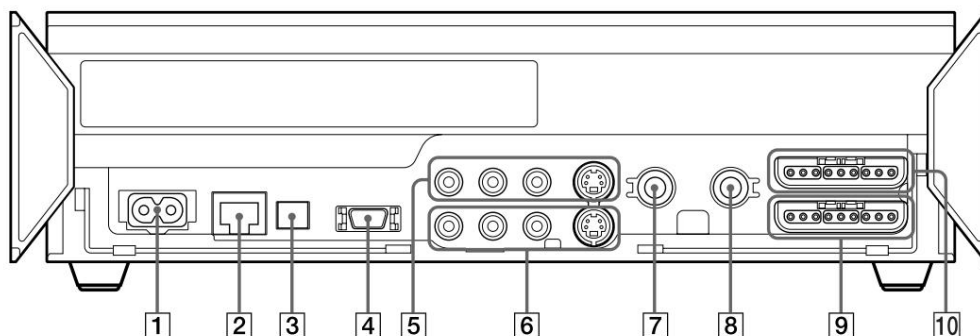
button qj MEMORY CARD

slot (22)

qk HDD ACCESS lamp (18)

The number in () is the page number.

Behind



1 to AC IN (power supply input) connector (18)

2 NETWORK connector (113)

3 DIGITAL OUT (OPTICAL) (optical digital audio output) terminal (24)

4 D1/D2 (video output) terminals (16)

5 AUDIO LR/VIDEO/S VIDEO IN (S video input) terminal (23)

6 AUDIO LR/VIDEO/S VIDEO OUT (audio/video/S1 video output) terminal (16)

7 VHF/UHF IN (VHF/UHF input) connector (13)

8 BS IF IN (BS IF input) connector (13)

9 Controller connector 2 (22) 0 Controller connector 1 (22)

glossary

A line

Antenna level (page 95)

The strength of the radio waves coming from the antenna vinegar. It is affected by the weather, temperature, time of day, and the length of the antenna connection cable. increase.

One frame of interlaced video

(page 26) is split between two frames.

This is a method of displaying half by half in the

This is how TV will be displayed in the

future. Alternates odd-numbered lines in

odd fields and even-numbered lines in even fields.

It is designed to show

Ka line

Guide channel (pages 94 , 136) An identification number assigned to each broadcasting station by Gemstar.

A standard for

recording write mode CD-ROMs.

extension

A character that indicates the file type column. For MP3 files, the file

Add a "." after the file name and add the extension "mp3".

Example) ongaku.mp3

filename extension dot

Clip Motion One of

the GIF format images that Cyber-shot can handle. Multiple images in one file

Combine GIF format images to display moving images like flipbooks.

You can

Cable television (CATV) (page 110) Cable

broadcasting that provides programs by connecting subscribers and broadcasting stations directly with a cable. Terrestrial Analog TV programs, terrestrial digital,

In addition to BS analog, you can watch specialized channels for sports and movies, local information programs and teletext.

Ghost (page 94) Radio

waves from a broadcasting station are received twice or three times before they reach the TV antenna due to interference caused by buildings and topography. As a result, the image of the jamming signal appears superimposed on the correctly transmitted image, making the screen difficult to see. increase.

Copy control signal (page

9) Copy protection function. You cannot record software or broadcast programs that contain signals for restricting duplication by copyright holders.

sa line

Viewing age limit (page 102)

According to the regulatory level of each country/region,

Discs compatible with viewing age restrictions

A DVD function that restricts playback. limit How to play depends on the DVD.

If you do not want to play or skip extreme scenes to replace it with another scene and play it back. There are cases.

Receive channel (page 94)

Channel used when this unit receives a broadcast station. Usually in the TV section of newspapers and magazines. Same as the number of each broadcasting station listed is. You can perform the simple settings on this unit. is set when

Splitter (page 113)

Voice calls mixed on telephone lines and Used to divide ADSL information into two To do. Uses ADSL over voice calls ADSL

It allows you to separate information.

ta line na line

Chapter (62 pages)

Images recorded on the HDD or DVD,

A song break, smaller than the title

Units. one title is several

It consists of chapters. Cha

Some titles with no printer recorded

I have.

Default router on page 117

Use different methods on the network

It is a mechanism that enables connection between devices that are connected to each other.

Dolby Digital (page 101)

Sound developed by Dolby Laboratories voice compression technology. multi-channel Suitable for rounds. rear channel becomes stereo, subwoofer Channels output independently. high Multi-channel standard digital audio You can enjoy it in

Netmask (page 117)

Part of the IP address that identifies the subnet.

It is the one that determines

Ha line

Hard disk (page 8)

A type of mass data storage device. surface A flat disk (disc

(c) and bring the magnetic head close to it. and record the data. magnetic di

Because the disk and the drive mechanism are integrated, read and write data very fast can be used for immediate data retrievability is included.

packet light

When writing data to a CD-R, the data data is divided into units called packets.

It is a recording method that writes

Bitrate Indicates

how much information is stored in one second.

is an indicator. The larger the number, the more unit time

Since there is a large amount of information in the interval, the sound quality is also improved.

Progressive (page 101) A

method of displaying 1 frame as a single image, as opposed to the interlaced method, which displays 1 frame in 2 field images. In contrast to the conventional interlace format, which consists of 30 frames (60 fields) per second, by using 60 frames per second from the beginning, high-quality images can be reproduced.

Broadband (page 112) A general

term for lines that can send and receive large amounts of video and audio data at high speed using a wide frequency band. Currently, what is called broadband includes ADSL, CATV, Internet, FTTH, etc.

Broadband router (page 113)

Internet access via ADSL or CATV

When connecting to the Internet, devices such as ADSL modems and cable modems are used, but when connecting to the Internet from multiple terminals, a device called a broadband router is used.

Provider (on page 112)

"Internet service provider (ISP)". A business that provides Internet connection services.

ma line ya line

multi session

Write multiple sessions on a single CD-R

It's a way of getting in track at one

Multi-set CD-Rs that have been written with a will be an option.

"Memory Stick" (page 125)

Small and light, like a floppy disk

It is an IC recording media with a large capacity.

Do not use a "Memory Stick" with this unit.

You can play back photos by pressing

User ID (page 116)

Used when connecting to a network. In combination with the password,

Confirm that you are the user.

La line Wa line

Router (page 112)

A device that relays between networks and mutual network protocol and address translation. ADSL and a broadband router for connecting to the CATV Internet.

When referred to simply as a "router", these Sometimes I point the equipment.

ABC

ATRAC3 (page 75)

Music compression used in minidisks

Based on the format "Atrac", the compression ratio

A compression standard designed to improve sound quality.

CD-R

A standard for writable CDs. on this machine can store photos and music written to a CD-R.

Only reading files is supported.

vinegar.

DEF

D terminal (page 143)

This is a component video terminal compatible with DVD players. You can easily send video signals by connecting this unit and a TV with a single cable. You can enjoy higher quality images than when you connect to a TV with the video output terminal because you can connect with component video start.

The following types of D connectors are available depending on the supported signal format.

- D1 terminal: Supports 525i (480i) signals
- D2 terminal: 525i (480i) and 525p (480p) for signals of
- D3 terminal: Supports 525i (480i), 525p (480p) and 1125i (1080i) signals
- D4 terminal: Supports 525i (480i), 525p (480p), 1125i (1080i), and 750p (720p) signals

This unit supports D1/D2 terminals.

i stands for interlaced and p for progressive.

Numbers in () are different when counted by the number of effective scanning lines.

is the name.

DCF

Abbreviation for Design rule for Camera File system. Image format for digital cameras Matt.

Disc at once

This is one method of writing to a CD-R. A way to write all the data at once. Only CD-Rs written using this method can be played on this unit.

DNS (page 117)

Also called "primary DNS," "domain name server," or "DNS server."

vinegar. Identify by IP address with a server that

has a function to replace domain names with IP addresses

It has been.

DTS (page 101)

Digital audio compression technology developed by Digital Theater Systems. Compatible with multi-channel surround is. The rear channels will be stereo and the subwoofer channel will be output independently. Enjoy high-quality digital audio in multi-channel can do.

DVD+RW [DVD+RW] One of the rewritable DVD standards.

Compared to DVD-RW, the compatibility with DVD-ROM Highly compatible.

GH

GB [gigabyte] (page 107)

A unit that expresses the capacity of an HDD or DVD.

The larger the number, the larger the capacity. 1GB is about 1000MB (megabytes).

GIF

It is one of the image file formats. on this machine cannot play or import images in GIF format.

I can do it.

Glossary (continued)

IJKL

ID3 tag [ID3 tag]

Adding titles and art to MP3 files

A convention for adding information such as the name of the
It's class.

IP address [IP address] (117
page)

Used in TCP/IP (Transmission Control
Protocol/ Internet Protocol) networks

identification information.

It is usually four sets of three digits
separated by dots . (e.g. 192.168.239.1)

ISO9660 [ISO9660]

CD-ROM logical file format

It is a standard for

Joliet

CD-ROM logical file format

It is a standard for

LPCM (page 97)

Convert analog audio to digital audio
method. "Linear pulse code

Modulation (Linear Pulse Code

Abbreviation for "Modulation", easy digital

You can enjoy the audio.

A LOT

MAC address [MAC address] (page 107)

Abbreviation for Media Access Control.

Identify devices connected on the LAN

This number is assigned to each device for
to the cable TV company

Therefore, it is necessary to notify the machine of the MAC address.

exit may be required. of this machine

You can check the MAC address in " Information
display" (page 107) in "Main unit settings" .

MagicGate (page 135) Encryption
technology to protect the copyright of
digital music content .

MPEG [Empeg] (page 132)

Abbreviation for Moving Picture Experts
Group . An international standard for
compressing video data.

MPEG1 [Empeg 1] One of

the video data compression methods. You can play
back movies with the image quality of a VHS video .
You can

MPEG1 Audio Layer3 An

audio compression method used in MP3,
An audio standard standardized by MPEG1.

MPEG2 Audio Layer3

An audio compression method used in MP3,
An audio standard standardized by MPEG2.

MP3 [MP3]

One of the music formats, MPEG

An audio compression standard standardized by
Despite the high compression ratio, the high

sound quality can be preserved. This unit
can play MP3 files created on a computer, etc.

or save it to your hard disk.

you can enter.

mp3PRO [MP3 Pro]

An original extension standard for MP3.

m3u

It is one of the play list file formats.

PQRSTUVWXYZ

PPPoE (116

page)

Point-to-Point Protocol over

Abbreviation for Ethernet . ADSL or FTTH

The protocol used when connecting to the

Internet using the .

TIFF This is

one of the image file formats. With this
unit, you can play back TIFF files saved
with a digital camera, or save them to the hard disk.

You can take it in.

VBR [VBR] A function that

automatically adjusts the amount of song data to
keep the file size to the minimum necessary
without degrading the sound quality.

number

8.3 Form

A standard that defines the format of file names.

For 8.3 format, the file name is half-width

8 characters or less, extension 3 characters or less

to set.

index

kana

a

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