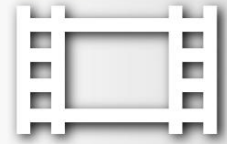


**DVD recorder with  
DESR-7000/DESR-5000 hard disk  
instruction manual**



Thank you for your purchase.



Failure to observe safety precautions with electrical products may result in fire or personal injury.

This instruction manual shows important precautions and how to handle the product to prevent accidents. Please read this "Instruction Manual" and the separate "For Safety" carefully to use the product safely. After reading, be sure to keep it in a place where you can refer to it at any time.





### Explanation of main buttons



**finish the game**  
Press when

**decision button**

**joystick**

Move up, down, left, or right to select menus or icons, then press OK. can be operated with

ホーム

**home button**

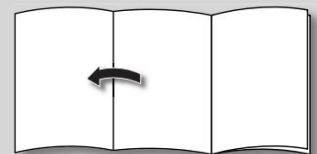
Home button for all operations and others. I want to start something with "PSX" please give me.

: non-game and OK button  
It has the same function as

: Option screen or control panel  
When you want to display etc.

: Cancel the operation when you want Press.

keep this page open  
Please use it while referring to it.



# You can do

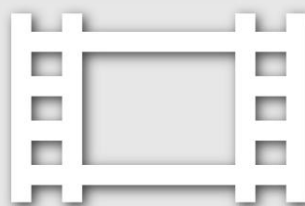
PSX has five categories: TV, Video, Music, Photo, and Game.

In each category you can enjoy:



tv set

Watching TV programs ħ page 26  
Recording TV programs ħ page 31  
Using the program guide ħ page 28



video

Viewing recorded TV programs ħ page 38  
Play DVD ħ page 38  
Dubbing recorded video to DVD ħ page 45



Music

Playing a CD ħ page 48  
Listening to music imported from a CD ħ page 48



photo


Viewing photos on a "Memory Stick" or digital camera ħ page 54  
Importing photos ħ page 56



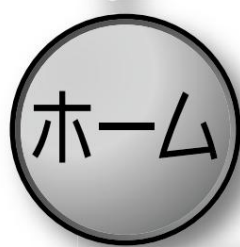
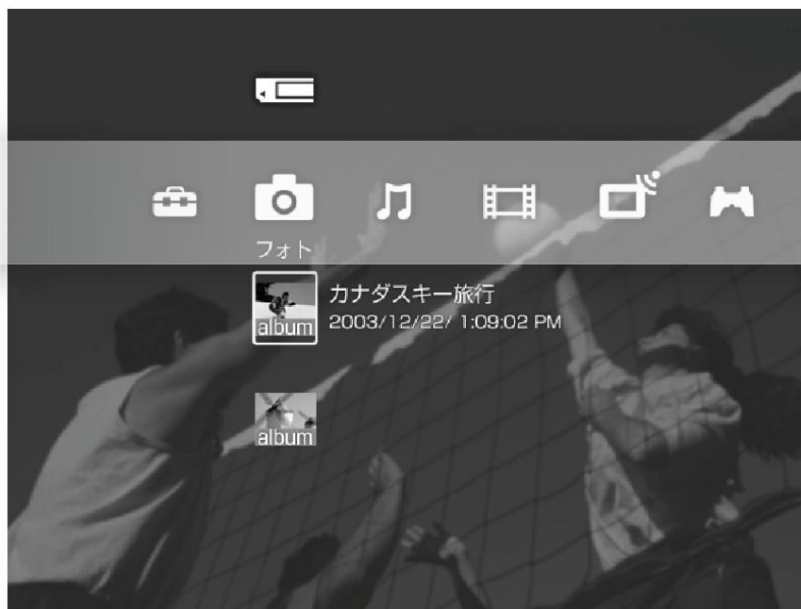
game

Play games ħ page 60



 The home menu displayed by pressing is the gateway to all operations. Choose what you want to do from TV, video, music, photos, and games displayed on the home menu, and enjoy each content.

Choose what you want to enjoy from the home menu



Press Home to  
enjoy other  
content



Enjoy TV, video, music,  
photo games



# enjoy the music



- Listening to songs and albums 48 Prepare
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- Importing songs from a CD into this unit 50
- Change the name of a song or album 50
- Deleting songs and albums 50
- Check information 50 video
- Operate the song that is playing 52
- Notes on "Enjoying Music" 53



# enjoy the photos



- View photos 54
- Playing photos 56
- Display photos in order (slide show) 56
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- Rotate photos 56
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- Operating photos during playback 58
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# enjoy the game



- Playing games 60
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- Creating folders 62
- Display folder information 62
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- Duplicating folders 62
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- Install the game on your hard disk 64
- Quit the game 64
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# Contents (Settings)

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- Setting the power supply method to the BS antenna 67
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- Setting the display speed of the slideshow 72

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- Setting the sound quality when importing songs from a CD 73



## Game settings



- Setting high-speed loading of "PlayStation" standard software
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- Warranty and after-sales service 99
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- Regarding the transition from analog broadcasting to digital broadcasting 102
- Part names 102
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other settings

others

**Please be sure to read it**

**This unit is for use in Japan only.**

When playing a DVD video on this unit and recording it on another device, the recording operation

may be stopped or recording may be restricted. this is

This is due to the copy protection applied to DVD videos.

by altering or removing this copy protection

Recording DVD-Videos, even for private use,

Prohibited by law.

**Access control is applied to this machine. DVD bidet**

Non-dedicated software excluding audio and music CDs, and dedicated software

Copies of the software may be transferred to the machine by this access control

cannot be used after book access control

Incorporating the invalidation device or program or this invalidation device

transfer, hand over, exhibit, export, import, or

is prohibited by law.

The operating method of this unit may differ from that of

“PlayStation” or “PlayStation 2”.

**Handling of this unit Use this**

unit near a power outlet. While using the unit,

If a problem occurs, immediately remove the plug from the outlet and turn off the power.

cut off the source.

**About starting and shutting down**

the unit In order to optimize the entire system, this unit takes

some time from when the ^/1 (power) switch on the main unit is

pressed when the power is turned on or off until it actually starts

up and turns off. It takes Wait until the power turns off completely (until the lamp lights red).

when. Unplugging the power cord before the power turns off may cause malfunction.

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. Hard disks have built-in safety mechanisms to protect

recorded image data.

Please note the following points so that you do not lose 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.

•Because it may cause a malfunction, please do not install the hard disk by yourself.

Do not replace or expand.

If the hard disk fails for some reason, the data

It cannot be repaired. Edit and dub to DVD instead of storing

important image data permanently on the hard disk

Please use it as a temporary recording place until.

**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.

**Recording prevention**

function If you watch a program with an optional tuner, the

program may have a recording prevention function (copy guard).

In this case, please note that some programs cannot be recorded.

**About**

recording DVD-RW (VR mode) recorded with this unit

cannot be played on a normal DVD player . DVD-RW (VR mode) comp

Playable only on the layer.

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 .**

Recording due to malfunction or external factors such as power failure or condensation

If you fail to do so, we will not be liable for compensation for the recorded content or damages associated with it.

**We do not take any responsibility for any**

Thank You for understanding.

In rare cases, due to an unexpected problem during software update,

Images stored on the hard disk may be damaged.

**How to read this manual**

•In this manual (this manual), explanations using the buttons on the remote control are provided.

Mainly.

•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-7000.

I'm using

## About copyright

•Do not enjoy what you have recorded with this unit as an individual.

Anything else cannot be used without the permission of the right holder under copyright law.

•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.

•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 DESR-7000/5000 price includes:

Private recording compensation for DVD-RW/-R recording part is included. 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

## Please read before playing the game

### Discs that can be used in games

disk kind of	"PlayStation 2" standard DVD ROM	"PlayStation 2" Specifications COMPACT DVD ROM	"PlayStation" COMPACT DISC
Mark (logo) On the disc	When "PlayStation 2" logotype and NTSC J yFOR JAPAN ONLY" notation	When "PlayStation 2" logotype and NTSC J yFOR JAPAN ONLY" notation	When "PlayStation" logo and NTSC J yFOR JAPAN ONLY" notation
disc color	Silver/Gold	green	black
what is recorded	audio + video		
disk size	12cm		

holder.

#### Precautions when using discs

•Using discs containing "PlayStation 2" standard software or "PlayStation" standard software on other models may cause damage to the device or adversely affect the ears, eyes, and other parts of the body. **Please do not give it to me.**

•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 and "PlayStation" standard software discs are

Only compatible with "PSX" of Japanese domestic specifications with the notation.

#### Discs purchased overseas This unit supports

the NTSC color television system. "PlayStation 2" standard purchased overseas standard DVD-ROMs and DVD-ROMs

A "PlayStation" standard CD-ROM cannot be used with this unit. plug.



#### About "PSX" certification

"PSX" is "DNAS" (Dynamic Network Authentication System), Sony Computer Entertainment Inc.'s proprietary software that enables copyright and security protection. I am using an authentication system. Transfer, hand over, exhibit, export, disable device or program of this system, Importing or transmitting is prohibited by law.




In addition, content compatible with "DNAS" can be used on other "PSX" or It cannot be used on "PlayStation 2".

## Please read before using the disc

Discs that can be used with this unit Discs that can be recorded and played back

type	Compatibility
<b>DVD-RW</b>  <b>R W</b> DVD-RW discs are the same disc until it is initialized in VR mode and video mode.	VR mode Can be played on other devices that support VR mode. video mode Can be played on other devices as a DVD video.
<b>DVD-R</b>  <b>R</b> <b>R4.7</b>	Can be played on other devices as a DVD video.

Discs that can only be played

type	Compatibility
<b>DVD VIDEO</b>  <b>VIDEO</b>	software with high image quality such as movies. Enjoy switching between subtitles and audio.
<b>CD</b>  <b>COMPACT disc DIGITAL AUDIO</b>	Commercially available software in which music and voice are recorded.
<b>CD-R</b>  <b>COMPACT disc Recordable</b>	A CD created with a CD recorder or a computer. Only music formats can be played.

## This unit does not support the following discs

- DVD+R/DVD+RW
- DVD-RAM
- DVD-Audio
- DVDs with area codes (region codes) that cannot be played on this unit
  - video
- CD-RW
- CD-R recorded in formats other than music
- 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)

## 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•Recording is not possible on 8cm discs, but playback is possible.

- 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.
- 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, but some of these do not conform to the CD standard.
  - may not be able to be played back or imported.

### Notes on DVD

playback•CPRM\* compatible discs created on other devices cannot be played you 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.

## Restrictions on recording and dubbing

cannot be drawn. Also, a copy of "can be recorded only once"

You can record video that contains anti-blocking signals with this unit, but you cannot dub it to DVD. In the middle of the program contains a "record once only" copy protection signal, the

A gray screen will be recorded to the DVD from here.

This unit's hard disk type of copy protection signal Recorded on disc		Dubbing from hard disk to DVD
Free recording Terrestrial broadcasting, etc.	○	○
Recordable only once BS digital broadcasting, etc.	○	×
recording prohibited DVD video, etc. × ×		

## Notes on handling discs

Do not touch the playback or recording screen.



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 the 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., as they may damage the disc.

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

- Using the following types of discs may cause the unit to malfunction.

- Discs with paper or stickers attached
- Adhesive such as cellophane tape and rental disc labels
- Discs with traces of being ejected or peeled off
- specially shaped discs;

## 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 allow metal objects to come into contact with it.

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.

# Prepare

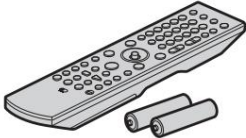
## Preparation 1 Check the accessories

### Prepare

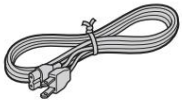
After opening the box, check that all accessories are included.

Remote control (1)

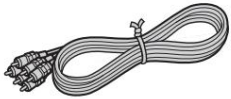
AA battery (2)



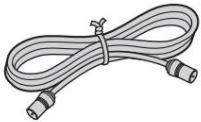
power cord (1)



Video/audio code (1)



Coaxial cable with F-type connector (1)



instruction manual

warranty

For your safety

“PSX” chart

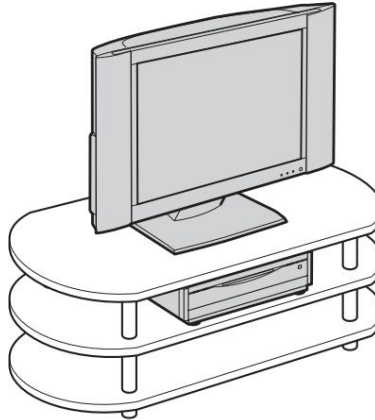
(1 copy each)

## How to install the unit

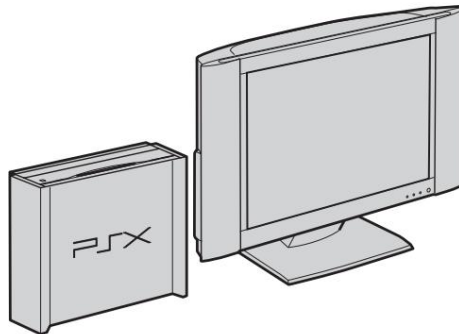
When installing the unit, place it on a flat surface as shown in the illustration below.

please give

me. Horizontal orientation



When placed vertically

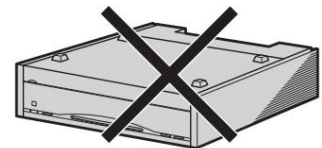


Do not install in the following ways

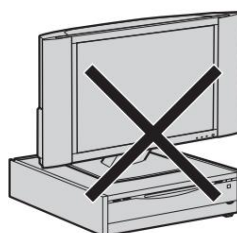
- Installed on its side



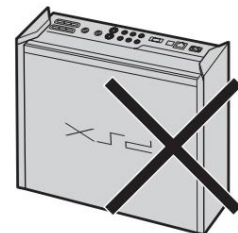
- Installed with the top side down



- Place a TV, etc. on top of this unit.  
set on top



- Front side down



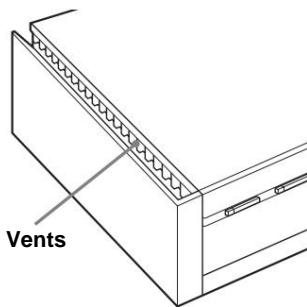
**Do not install in the following locations:** - Locations exposed to direct sunlight or high humidity - Extremely cold locations - Locations near tuners, TVs, or VCRs (using together with tuners, TVs, or VCRs) When using an indoor antenna, noise may occur or the image may be distorted, so we recommend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

- 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.

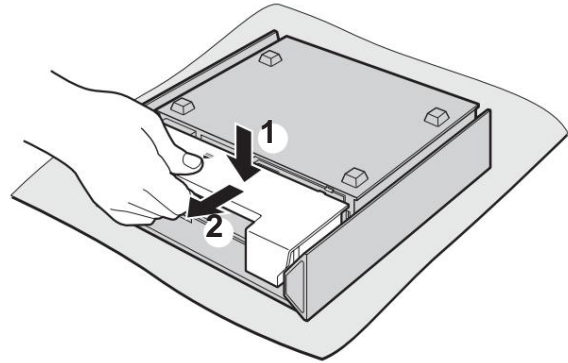


**When changing the installation location, do not move the unit with a disc inserted.** Doing so may damage the disc .

## Preparation 2 Connect

See page 24 for caution

How to remove the cover on the bottom of the machine



**1 Push the lid once, then 2 Pull the lid forward.**

## How to install when connecting

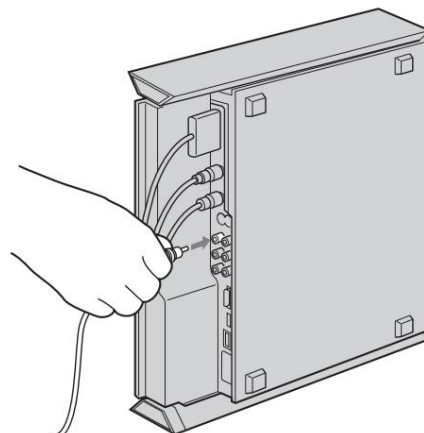
Install and connect the unit as shown in the figure below.

Connecting with the front face down may damage the front face.

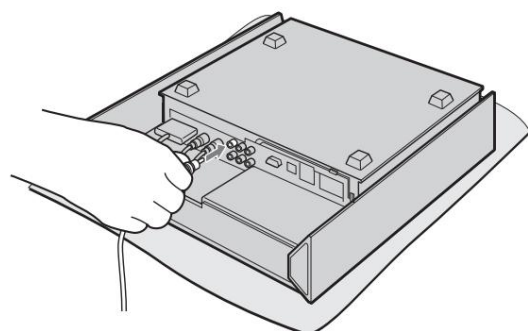
Be sure to place the unit face down on a soft cloth.

to connect.

When connecting with the side down



When connecting with the top face down



Prepare

# Prepare

## Preparation 2 Connecting (Continued)

See page 24 for caution

Prepare

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

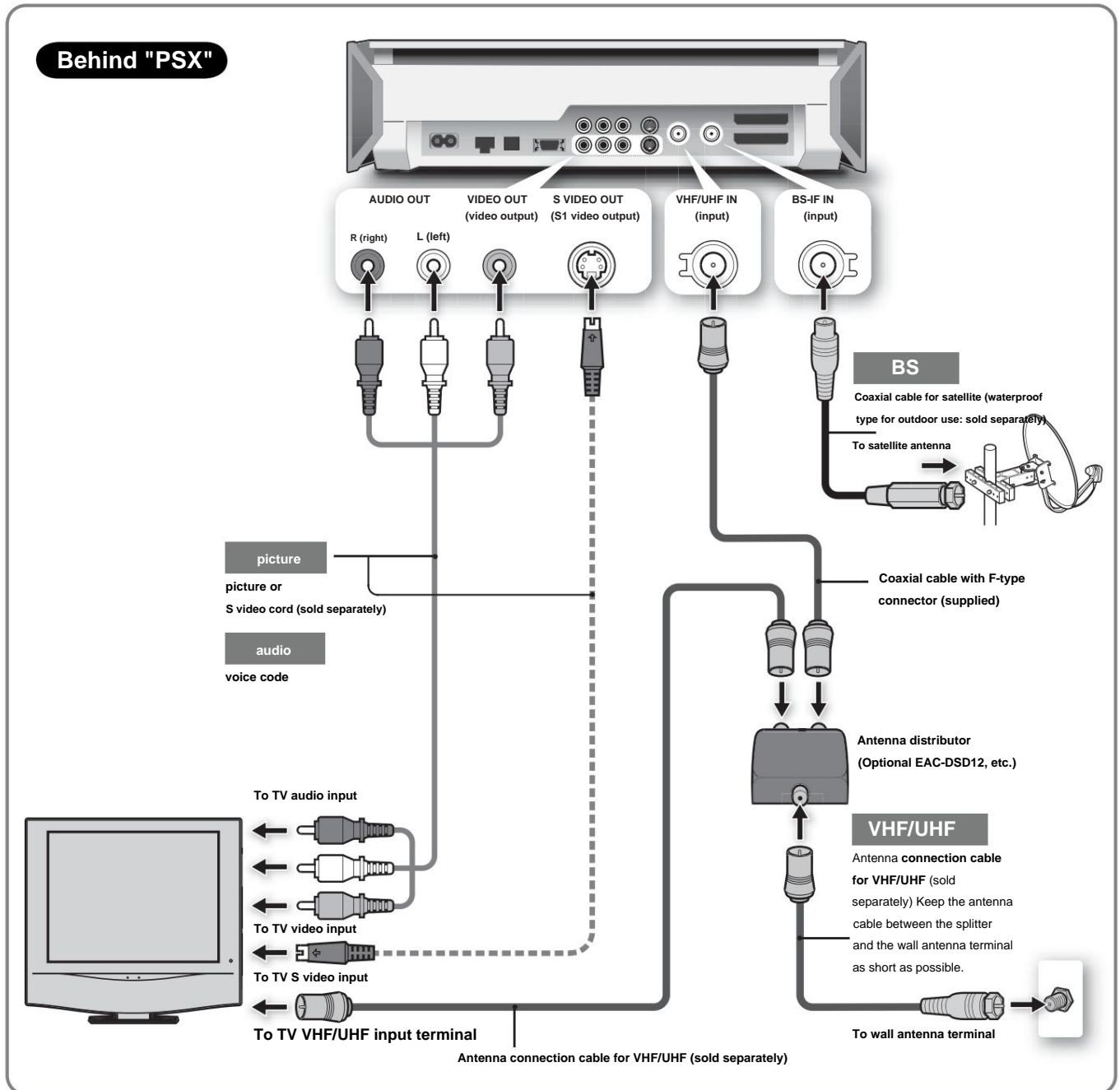


Connect the dedicated cable to the BS-IF input terminal. Never connect any cable other than the satellite (BS) coaxial cable to the BS-IF input terminal. From the BS-IF input terminal

Since power is supplied for the BS converter, failure to connect the dedicated cable may result in a short circuit, resulting in a fire or other accident.

Recommended cable

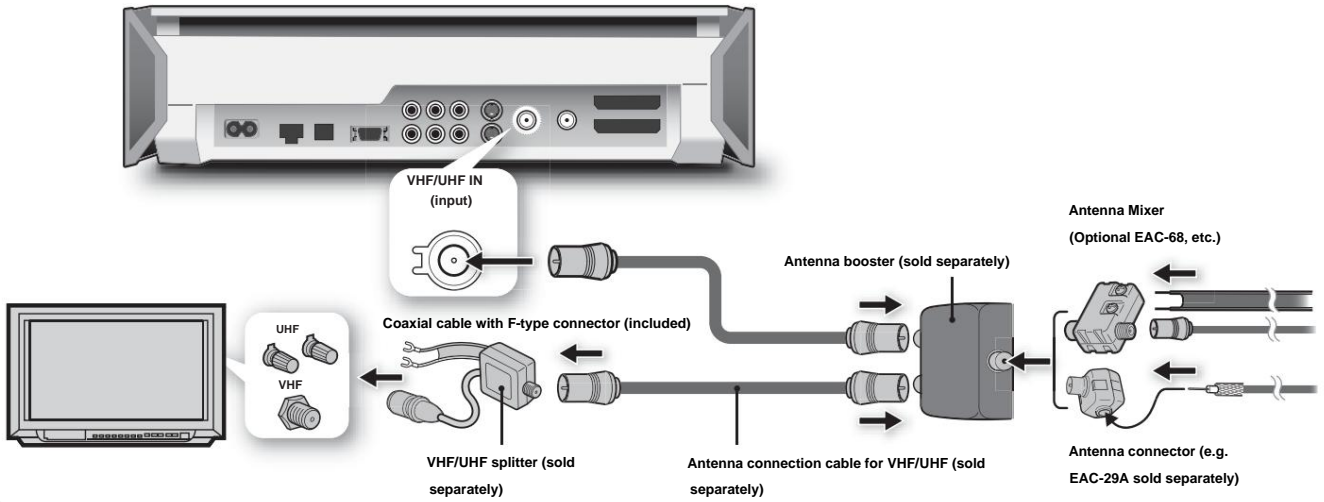
- Indoor EAC-DS15SS/DS30SS/DS50SS, etc.





## When your TV is a feeder line + coaxial cable with plug

### Behind "PSX"

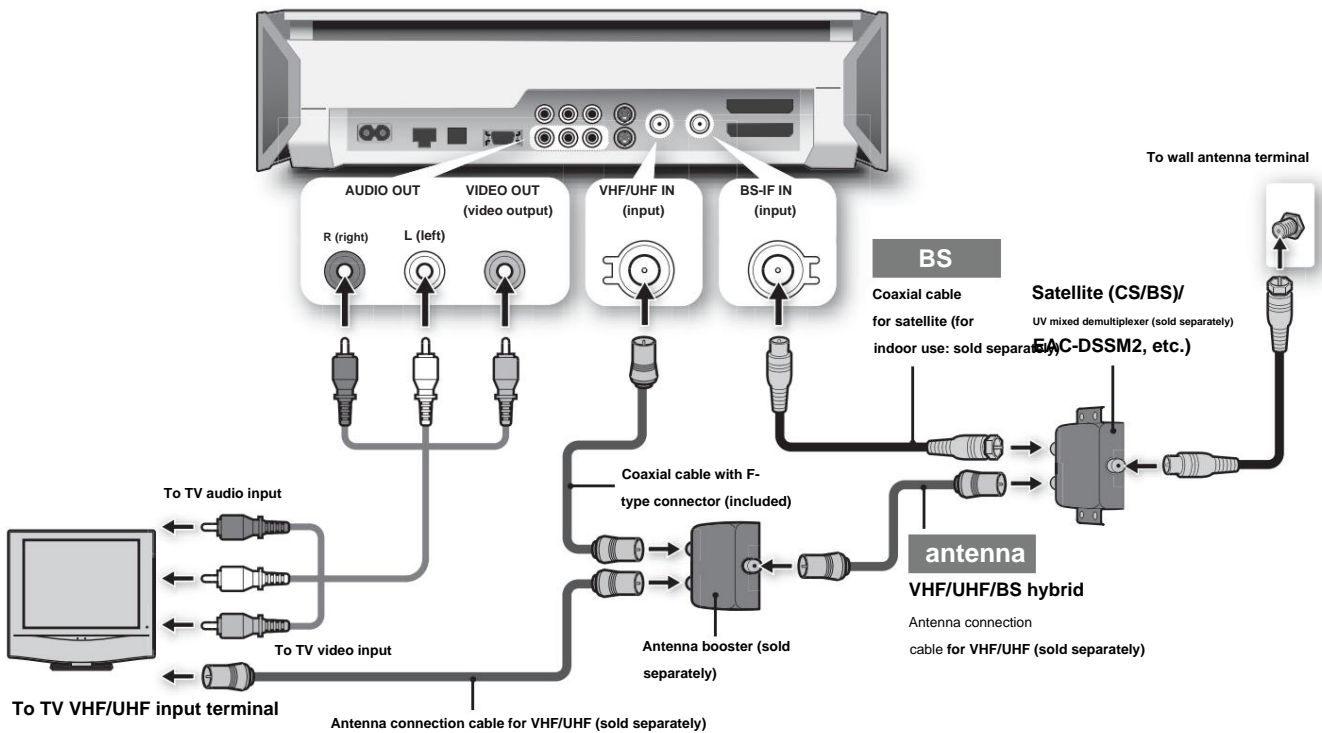


## When the wall antenna terminal is mixed VHF/UHF/BS

As shown in the connection diagram below, separate the BS broadcast and TV broadcast and connect. You can also set "BS account" in "Easy settings".

Set "Antenna Power" to "OFF" (page 19). Also turn off the power for the TV converter.

### Behind "PSX"



The optional accessories described in this manual are current as of December 2003. Please accept our apologies if the product is out of stock or production is completed.

# Prepare

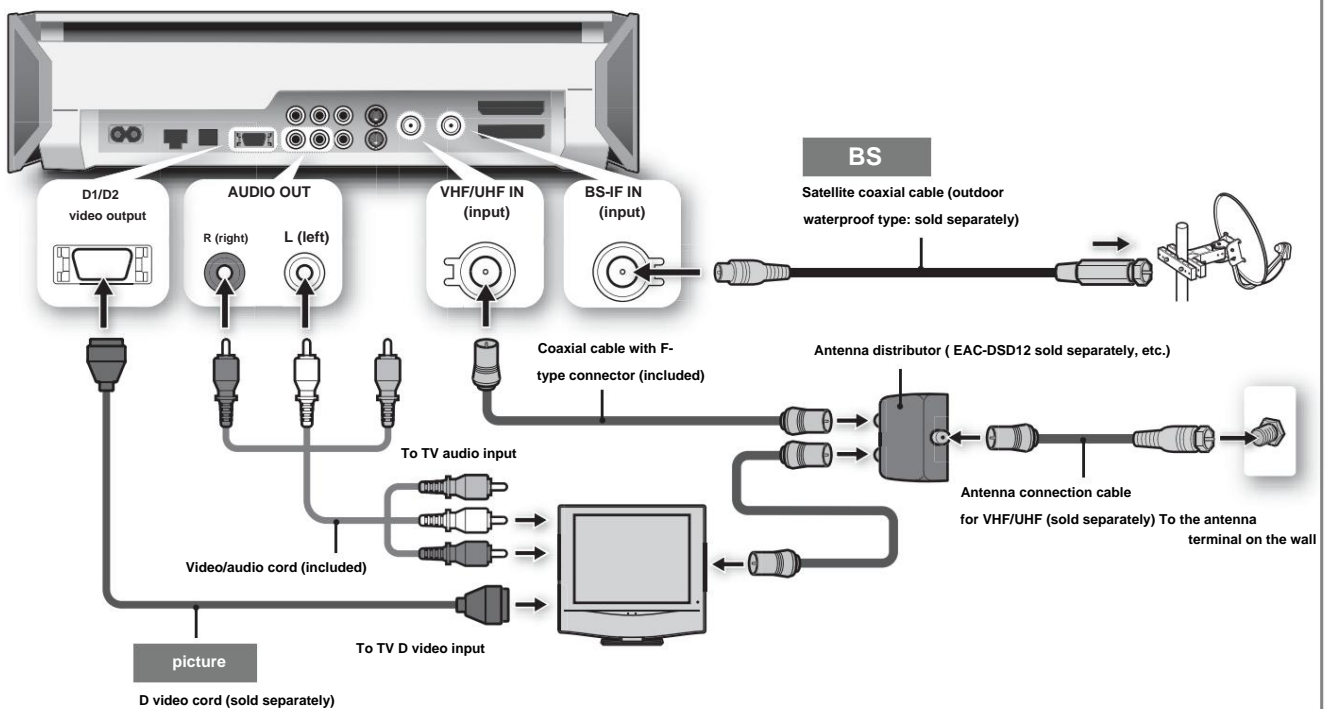
## Preparation 2 Connecting (Continued)

See page 24 for caution

Prepare

When connecting with a D video cord

### Behind "PSX"



When the TV reception is poor

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

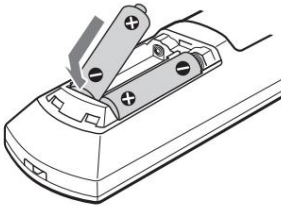
### Step 3 Prepare the remote control

See page 24 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.



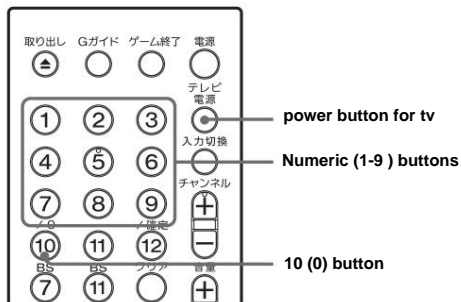
You can operate TVs from other companies with the remote control of this unit.

#### set to

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  $\text{y}$  ③

Pioneer: While pressing the TV power button  $\text{y}$  ① ⑩

TV manufacturer registration	number
*1 Sony	01 (default setting), 12
Matsushita Electric Industrial*1	02y13
Toshiba	03
Hitachi	04
Mitsubishi Electric	05
japan victor	06
Sanyo Electric*1	07y15
Sharp*1	08y16
NEC	09
Pioneer*2	10
Fujitsu General 11	
Funai	14
Aiwa*1	01y17
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 choose who you can.

y2 The input selector button cannot be used.

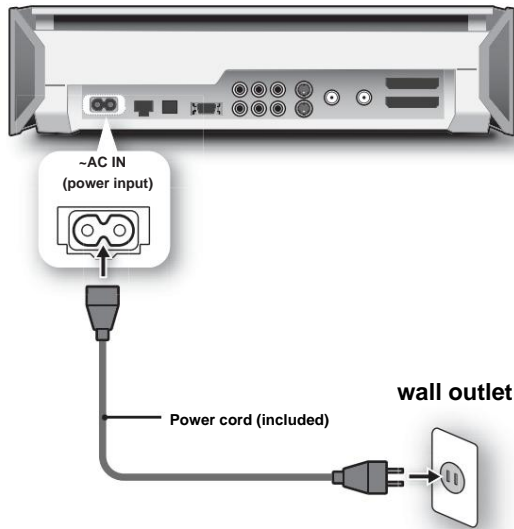
## Prepare

### Step 4 Connect the power cord

Prepare

Be sure to connect the power cord after completing all connections. After connecting the power cord to the unit, turn on the power to the outlet. Plug in the source code.

Behind the PSX



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

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

please give me.

If the remote control's power button does not turn on the power, is the remote control mode switch set to "1"? please confirm.

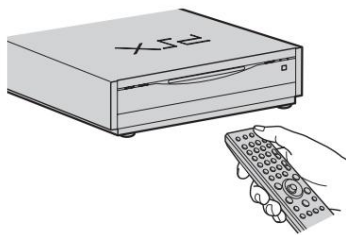
The remote control mode of the unit and the remote control mode switch of the remote control are the numbers are different, you cannot operate this unit with the remote control. you can't.

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

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

For details on the setting method, refer to "Changing the remote control mode" (79 page).

## To turn on



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 it will be easy to

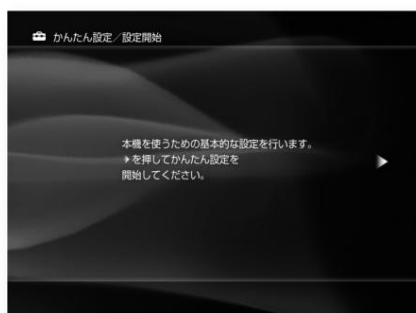
The setting screen is displayed.

Refer to "Preparation 5 Easy Setup".

## Step 5 Perform simple settings

When you turn on the power in "Preparation 4 Connect the power cord",  
The settings are 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 a setting for supplying power from this unit to the BS antenna (67 page).

### Setting 2: Time setting

You can set the date (year/month/day) and time (page 78).

### 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. There is no need to change the settings manually unless there is a change due to circumstances such as the broadcast station. For details on regions, see "List of guide channels" (page 90).

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 change the acquisition time manually, you will not be able to

acquire program information, so do not change it unless notified by the broadcasting station.

please give me.

### 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 66), see [Receiving

Please change the channel.

### Setting 5: TV type

You can display images that match the aspect ratio of your TV.  
(page 76).

### Setting 6: Optical digital output setting

Make settings for connecting to other audio equipment using the optical digital connector (page 77). If you set "Optical Digital Output" to "On", proceed to Dolby Digital settings (page 70) and DTS settings (page 71).

### Setting 7: Hard disk space description

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 77 and select the 0GB game space setting. Let it be

The maximum recordable time will be shortened. play the game

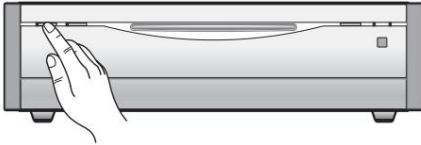
Use the 40GB setting if there is a possibility that the

# Prepare

## Turn on the power

Prepare

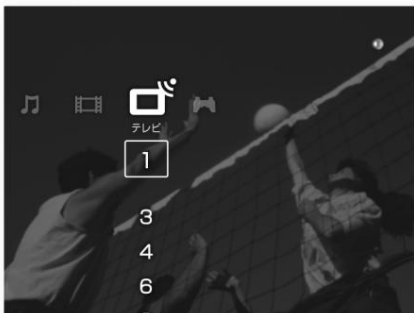
Press the **⏻** (power) switch on the main unit or the power button on the remote control.



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



After a short time



After a short time



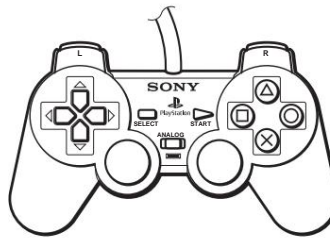
To turn off the power, press the **⏻** (power) switch on the main unit. After pressing the **⏻** (power) switch, it takes several seconds for the unit to turn off.

Do not press the **⏻** (power) switch continuously, as this may cause malfunction.

## get ready for the game

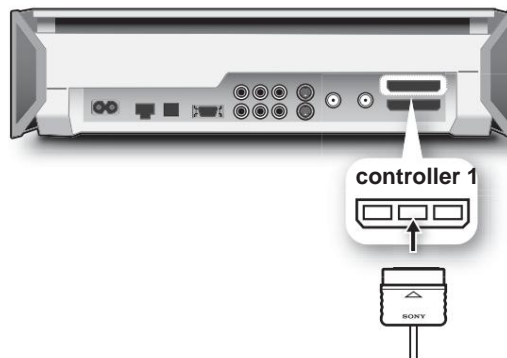
Please use the following accessories (sold separately) before enjoying games on this unit.  
Please understand.

### “PSX” dedicated analog controller (DESR-10)



#### How to connect

Behind the PSX



### “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)



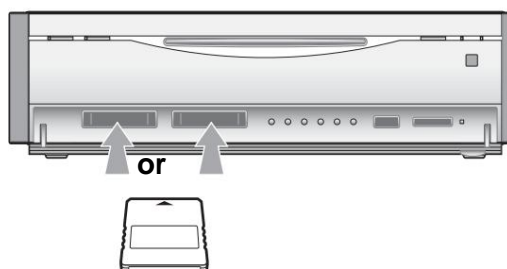
memory card



“PocketStation”

#### How to insert

PSX front



## “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 60).

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 60). You can save 120KB (15 blocks) of game data per memory card .

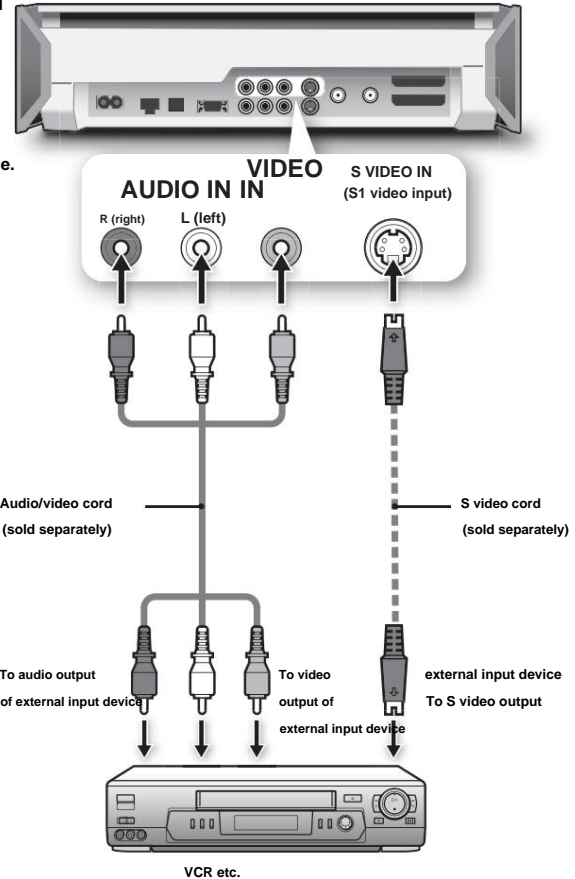
Game data from “PlayStation 2” format software cannot be copied to a memory card.

## 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

Behind the PSX



To view the connected external input device

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

power) and press . For

details, see “Watching TV programs” (page 26).

When you connect an external input device with an S-video cable , select "S-video" in "Set up external video input" in "TV settings" (page 66).

LINE (external entry)

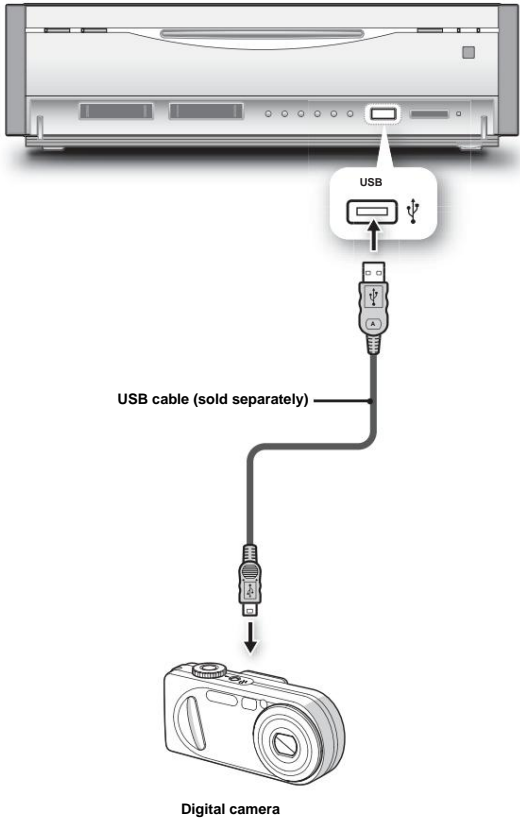
# Prepare

## connect a digital camera

See page 25 for caution

Prepare

PSX front



To view photos on a connected digital camera When you connect a digital camera to this unit, will appear on the home menu.

### Step1

From the photo (picture) of the Home menu with Mm Select (digital camera) and press .

### Step2

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

### Step3

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

For details, see "Displaying photos" (page 54). This unit is compatible with Sony digital cameras. For information on the types of Sony digital cameras that can be connected to this unit, see the website below.

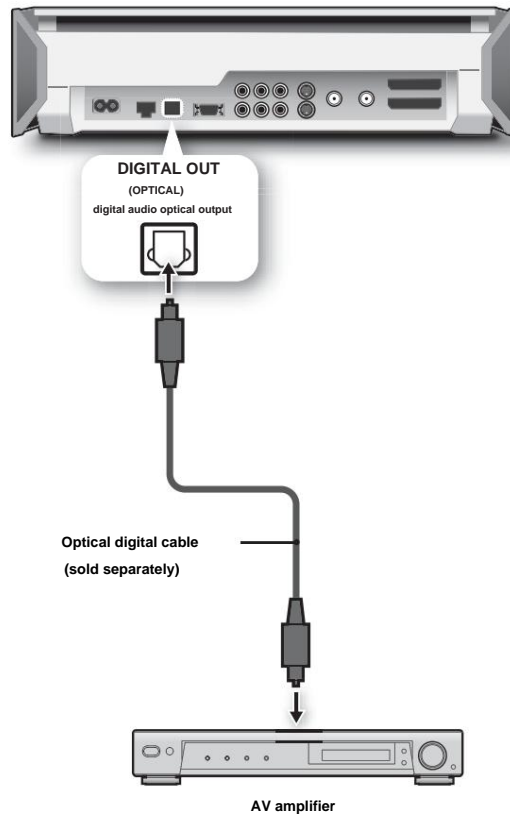
<http://www.sony.co.jp/SonyDrive/>

## Connecting an audio device that supports optical digital input

See page 25 for caution

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

Behind the PSX



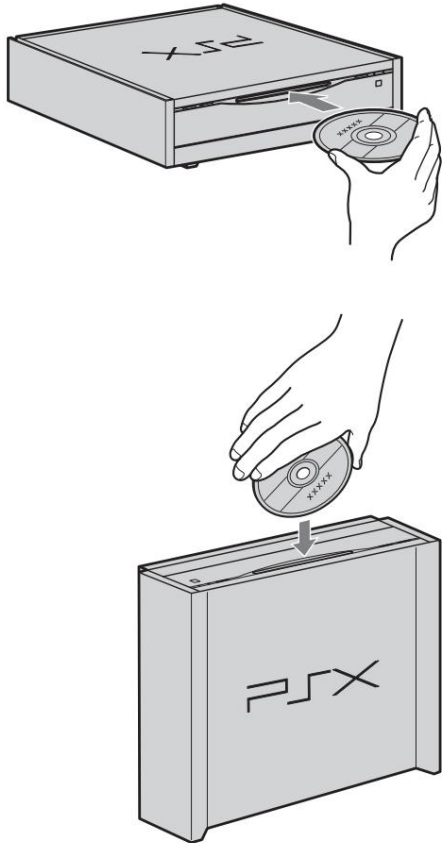
To output audio from the optical digital output (main unit settings) "Setting the optical digital output" (page 77) to set [Optical Digital Output] to [On].



## How to insert a disc or "Memory Stick"

See page 25 for caution

### to insert a disc



the label side (not the playback side) of the disc.

Insert the disc face up into the disc slot. Insert it straight along the direction of the arrow in the diagram above.

please give me.

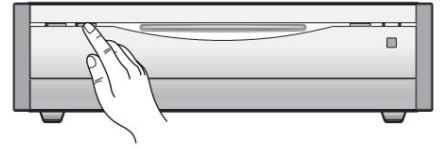
### When inserting an 8cm disc, this unit can play it without using an 8cm disc adapter.

Align the disc with the center of the disc insertion slot and insert it straight. please give me.

Playing an 8cm disc with an adapter may cause malfunction. becomes.

Also, it may cause the unit to malfunction. please put it in.

### To eject the disc



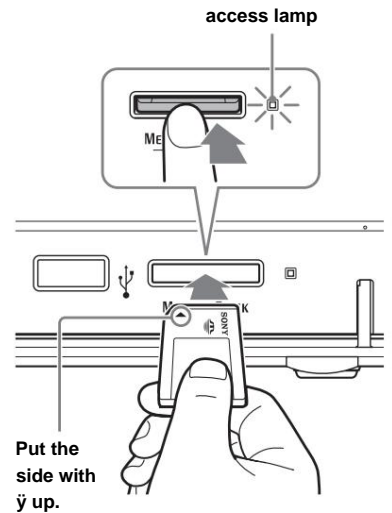
Press the Z eject button.

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. be.

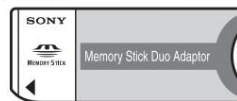
When you push it in, the access lamp lights up. Disappear.

### When using a "Memory Stick Duo"

Insert Memory Stick Duo into "Memory Stick Duo"

Attach the adapter to the MEMORY STICK insertion slot of this unit. please put it in.

メモリースティック デュオ アダプター



"メモリースティック デュオ"



← マークの方向に差し込む

## Prepare

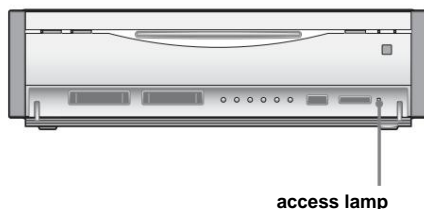
### Inserting a disc or "Memory Stick" (continued)

See page 25 for caution

Prepare

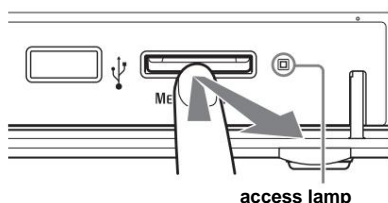
To remove the "Memory Stick"

#### Step1



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

pull out the do.

- Forcibly pull out the "Memory Stick".
- Do not use anything other than a "Memory Stick" in the MEMORY STICK insertion slot.  
put things in
- Forcibly insert the "Memory Stick" upside down.

### Notes on "Preparation"

Notes on "Preparation 2 : Connecting"

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

If problems such as image distortion occur when you connect this unit to a TV compatible with the progressive (525p) format and use progressive output, we recommend viewing in the regular TV (interlaced) format. **To do.** For details on the progressive method, see "Setting progressive output" ( page 70 ).

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

- This unit records video output with 525i (480i) standard TV broadcast signals. High-definition signals cannot be recorded.
- Connect a BS WOWOW broadcast decoder to this unit.  
can not.
- To prevent image distortion, do not place a TV directly on top of this unit.  
please leave
- Keep the antenna wire as short as possible and keep it away from the unit. In particular, feeder lines are more susceptible to noise radio waves than coaxial cables, so keep them as far away from the unit as possible.
- 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 weather is bad, 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 3 : 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, you may not be able to operate it even if you match the manufacturer's registration number, or some buttons may not work.

- 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 settings. In that case, enter the manufacturer registration number again.

---

### Notes on "Connecting a Digital Camera"

- Operating third-party digital cameras and storage media via USB  
Not guaranteed.

---

### 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.
- CD tracks recorded in ATRAC3 format can be transferred to the optical digital  
Cannot output from the output terminal.
- \* 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. It may get into your eyes and cause injury.



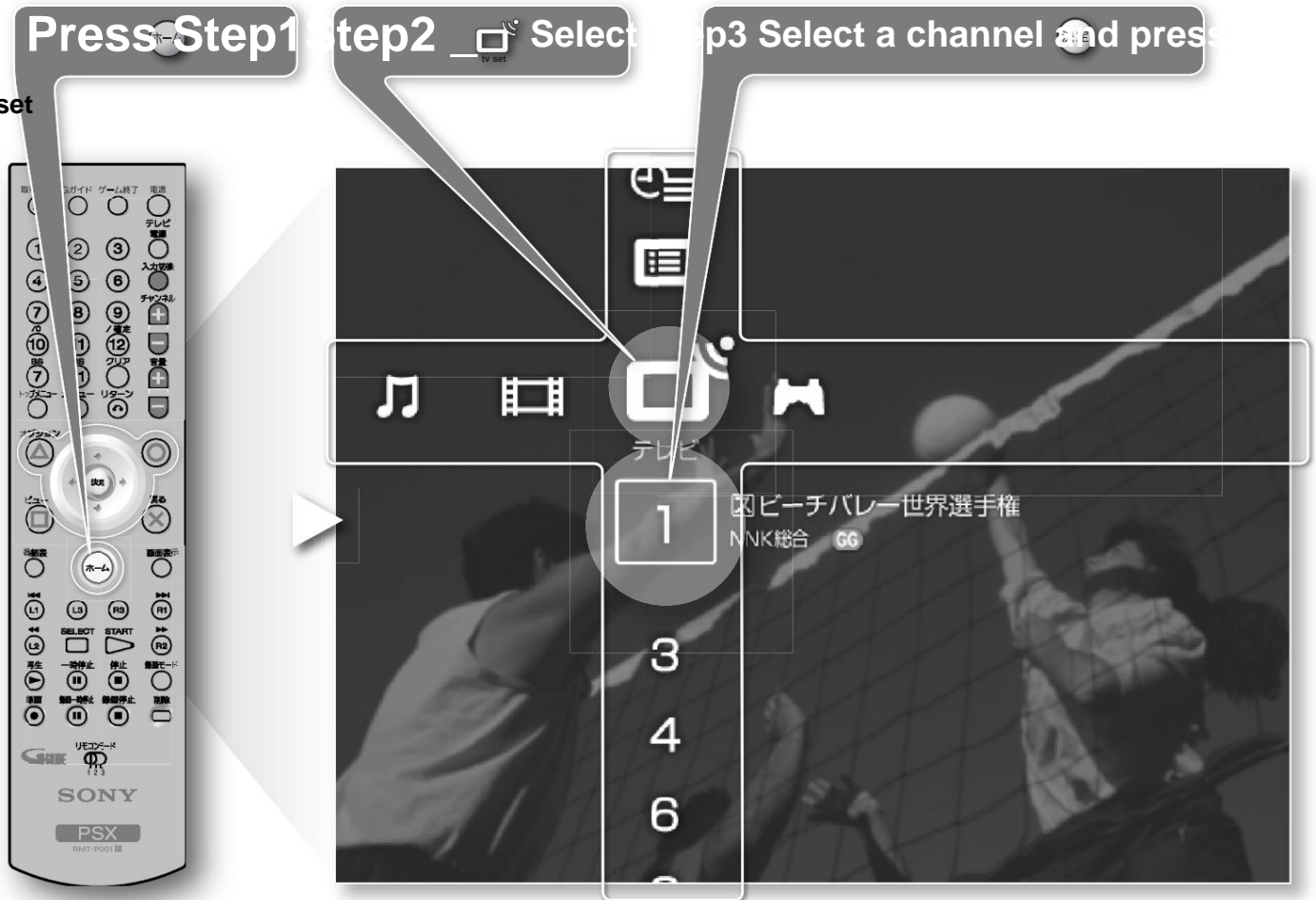
# enjoy tv

## watch tv show

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



tv set



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 35).
	Recording reservation confirmation You can confirm or change the programs you have reserved for recording (page 36).
	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.

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

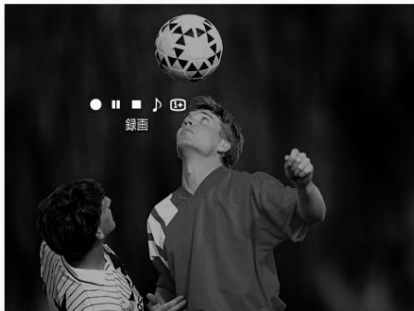
## Control the TV program you are viewing

### 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 and press
	Record the program you are currently watching. (page 34).
	Pause recording.
	Stops recording.
	Change the audio of the TV program you are watching. switch.
	Switches the screen display.

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.

To record with the quick timer, select (record) twice while watching a TV program, and the following A screen similar to



### Item list

Item name	Description
Manual setting	You can set the recording time.
match the program guide	Get information about the program currently being recorded from the program guide. and automatically start the recording as the program ends. It can be terminated dynamically.

### About audio switching

When watching a TV program that supports bilingual audio, If you select (switch audio) repeatedly, the audio switches as follows. ends.

Primary audio → Secondary audio → Mix of primary and secondary audio

### Remaining hard disk capacity display

While watching TV, press (screen display) on the operation panel to 2 You can check the remaining hard disk space by selecting it repeatedly. to come.



tv set



# enjoy tv

## About the program guide

See page 37 for caution

The program guide (G-guide) is published in the TV section of newspapers and magazines.

It is a TV screen that displays a list of programs that you might be interested in. number

Simply select the program you want to watch from the group table, and you can select a station and schedule recording.

### tv set

About default settings Nothing is displayed in the program guide until program information is acquired.

### Acquisition of program information

Program information was registered in "Setting 3 Area number setting" of Easy setting

The acquisition time differs depending on the 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, do not change it unless notified by the broadcasting station.

please give me.

## Display program guide

### Step

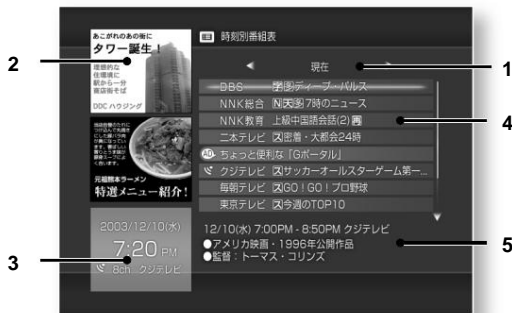
in the home menu from (TV)

Select (program guide) and press .

G guide button or program list button on the remote control

You can also display the program guide by pressing .

### How to read the program guide screen



### 1 Broadcasting station name (or time, channel number, genre) field

Use <, to select the station, time, or genre you want to display.

can do.

### 2 panel advertising screen

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

### 3 Current date and time

#### Icon description

- : Displayed on the program displayed on the unit immediately before displaying the program guide.

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

Programs scheduled to be broadcast in the selected station, time, or genre/sub-genre, and text advertisements of the station (time-based program guide only) are displayed. You can select a program with Mm.

The following icons are displayed:

#### Icon description

- (White clock): Displayed for programs with scheduled recording will be
- (red circle): Displayed for programs being recorded.
- (Red line): When another program whose broadcast time overlaps is being recorded It shows.
- (White line): Displayed when another program with overlapping broadcasting time is reserved for recording.
- (White circle): Appears during advertisements, not programs.
- (White square): Displayed on the program displayed on the unit immediately before displaying the program guide.

### 5 program description

## To switch the type of program guide

### Step1



Press while viewing the program guide. The program guide option screen (page 31) appears. is shown.

### Step2



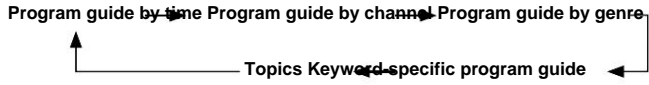
Use Mm to select the program guide you want to switch to and press .

vinegar. In addition to the time-based program guide, this unit also includes the programs listed on the right.

I have a table.

When the program guide is displayed, repeat the program guide button on the remote control.

Press repeatedly to switch the program guide type in the following order.



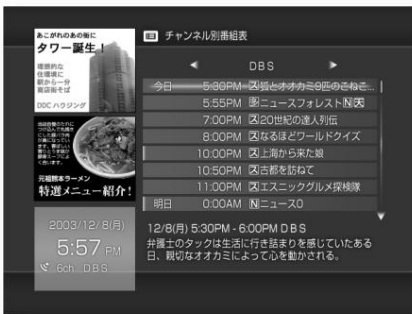
Program schedule by time

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



Program guide by channel

Displays a list of TV programs by broadcasting station.



Program guide by genre

A list of programs broadcasted by each station such as sports and dramas

Display by genre.



Topics

Displays announcements from broadcasting stations and useful information. display

The content is regularly updated with new information.

Updating program information Program

information in the program guide is sent several times a day from a specific broadcasting station.

vinegar. This unit updates the program information in the following cases.

- When the unit is turned off
- When using a game on this unit

To exit the program guide

Press while viewing the program guide.

You can also exit by pressing the G GUIDE button.



Searching for programs using the program guide (keyword search)

You can search for programs registered in the program guide using keywords you set yourself.

Set keywords Register keywords

for searching in advance. Up to 20 keywords can be registered.

tv set

Step1



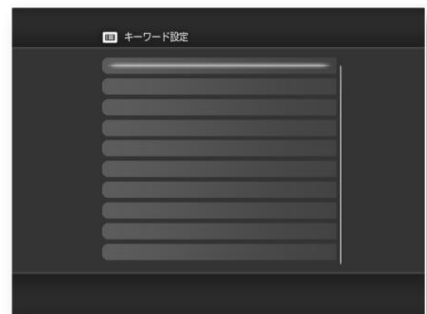
Press while viewing the program guide.

Step2



Use Mm to select [Set Keyword] and press .

Step3



Select an empty column with Mm and press .

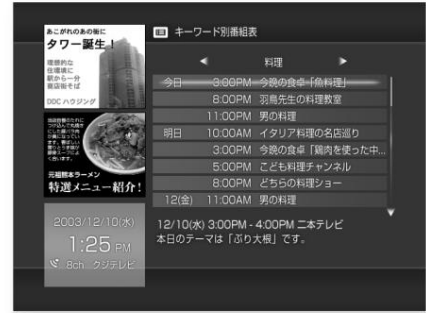


# enjoy tv

## About the program guide (continued)

See page 37 for caution

### Step3

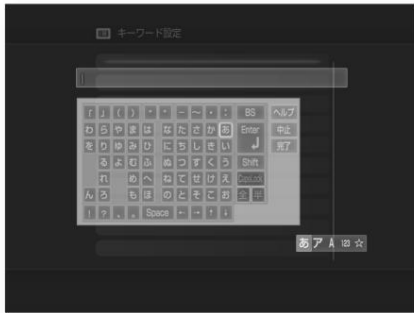


Use <, to select the keyword you want to search.



### Step4

tv set



Enter keywords with the on-screen keyboard  
be.

For keyboard input methods, see page 86.

Please see J.

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

### Step4



Use Mm to select a program and press .

## Search by keyword

### Step1



Press while viewing the program guide.

### Step2



Use Mm 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 guide option 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

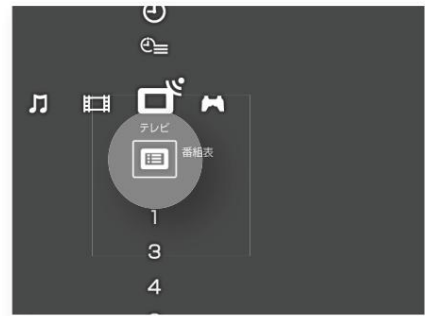
Function name	Select and press
see ads	Display detailed content of the advertisement.
Topics	Display the topics screen.
Keyword setting	Keywords can be set for keyword-based program listings.
Program guide by keyword	Display the program guide by keyword.
Program guide by genre	Switches to the program guide by genre. You can select a sub-genre.
You can select more detailed genres than sub-genre selection .	
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.

### Record in program guide

See page 37 for caution

If you record from the program guide, it will automatically record when the program ends stops.

#### Step1



tv set

on the home menu from (TV)

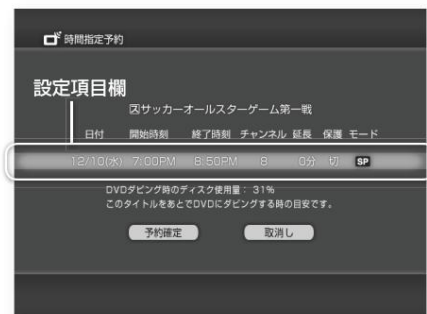
Select (program guide) and press .

#### 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.



# enjoy tv

## Recording with the program guide (continued)

See page 37 for caution

## To stop recording

Select (stop recording) from the operation panel and press (27 page).

## About recording mode

This unit has 6 recording mode settings. Record in high quality

If you want to, select a mode with high image quality such as HQ.

If you want to record for a long time, select a mode such as SLP for a long time.

Recording is possible. In HQ mode, LPCM (linear PCM)

Audio is recorded. When not in HQ mode, Dolby

Audio is recorded in 2 digital channels.

recording mode	Recordable time	
	DESR-7000	DESR-5000
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

↑ high resolution ↓ long time

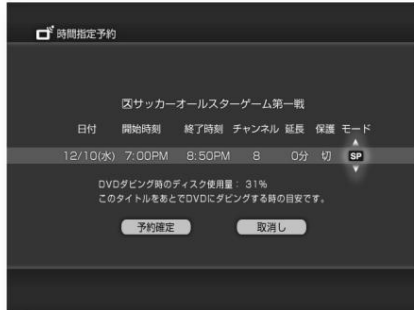
If you change the hard disk space, the recordable time will also change. increase.

The unit can record continuously for up to 6 hours.

## To watch a recorded program

on the home menu Select the recorded video from (Video) Press (page 38).

### Step5



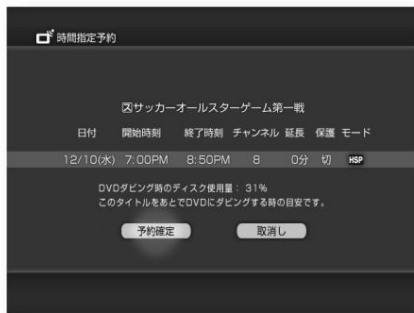
Change items with Mm.

### Step6

After setting all items, press

vinegar.

### Step7



Use Mm to select [Confirm Reservation] and press .

Recording will start.

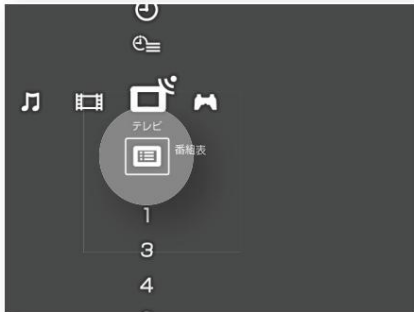
## Items that can be set in Step 4

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 program is set to extend, the program ends. Continue recording later.
extend	Set when you want to extend the recording.
Protect	Protect your recorded video.
mode	Set the recording mode (right).

Reserve a recording in the program guide

See page 37 for caution

Step1



on the home menu from (TV)

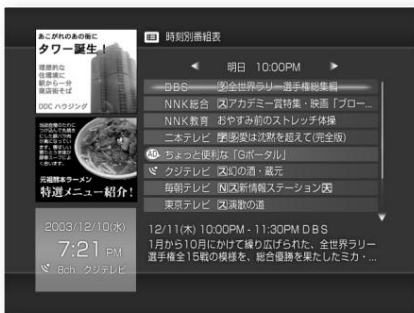
Select (program guide) and press .

Step2



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

Step3



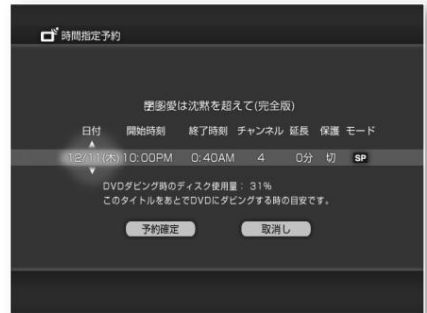
Select the program you want to reserve with Mm and press .

Step4



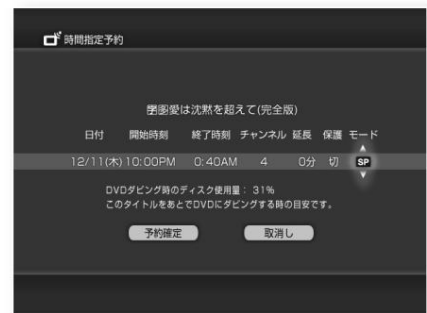
Use Mm to select the setting item field and press .

Step5



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

Step6



Change items with Mm.

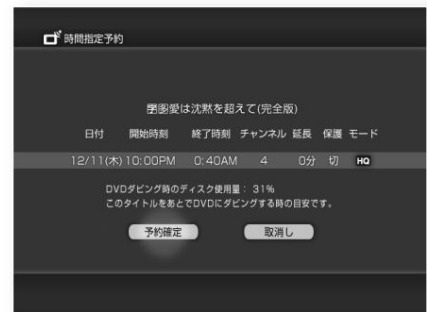
Step7

After setting all items, press



vinegar.

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 32).



tv set



## record a tv show

See page 37 for caution


## Playing back video being recorded (chasing playback)



I want to record the TV program I am watching on the hard disk of this unit. I use it sometimes. Video footage can be played back while recording.

The unit can record continuously for up to 6 hours. recording will stop automatically 6 hours after starting.


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

The program being recorded can be found on the home menu  displayed in (video) will be If you  a program displayed with and press .

You can play the program being recorded from the beginning.

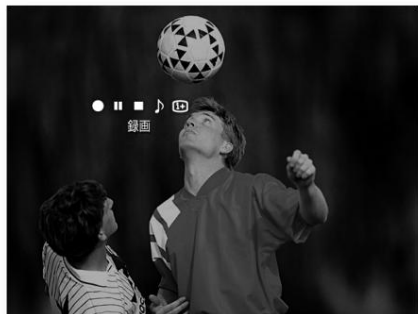
### Step1






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



### Step2





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

You cannot switch channels while recording.

To stop recording , select (stop recording) from  the operation panel and press  ( page 27).

You can set the recording time and record by pressing the record button twice . For details, see “To record with the quick timer” (page 27).

### To watch a recorded program

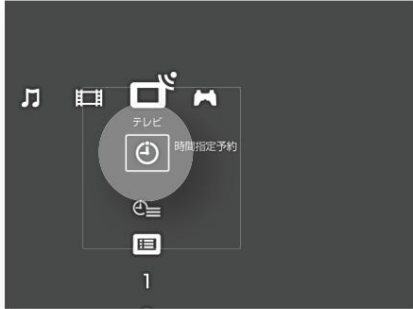
on the home menu  Select the recorded video from (Video)  and press (page 38).

Schedule recording by specifying date and time

See page 37 for caution

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

Step1



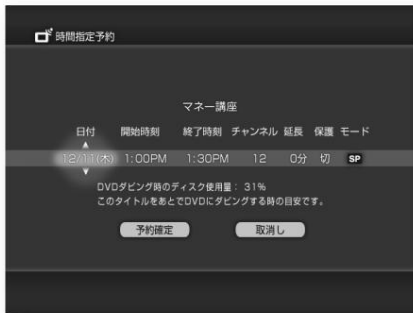
on the home menu from (TV) Select (Time Specified Reservation) and press .

Step2



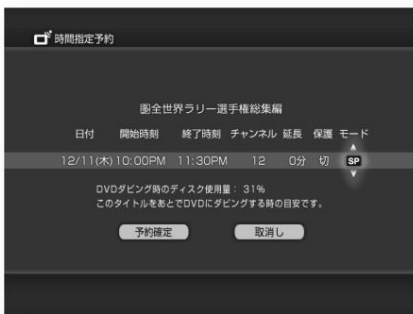
Use Mm to select the setting item field and press .

Step3



Use <, to select the item to set.

Step4

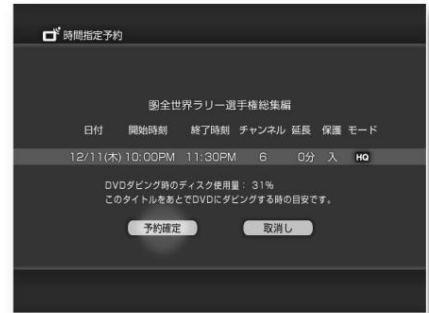


Sets the item selected with Mm.

Step5

After setting all items, press (決定)

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.
Protect	Protect your recorded video.
mode	Sets the recording mode (page 32).

To stop a scheduled recording

Select (stop recording) from the operation panel and press (27 page).

To watch a recorded program

on the home menu Select the recorded video from (Video) Press (page 38).



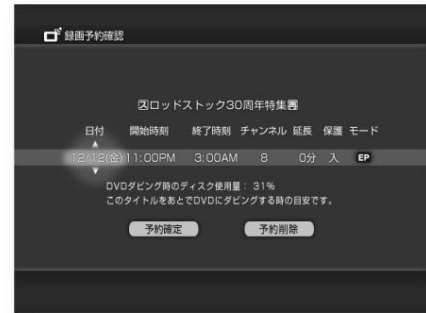
Te  
Les  
Bi



# enjoy tv

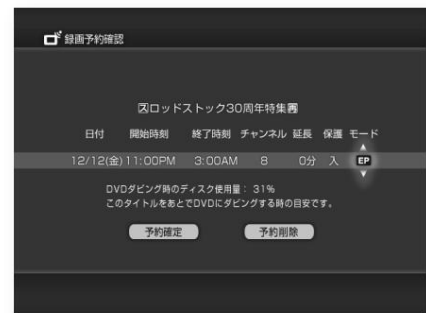
## Changing/Cancelling Scheduled Recording

### Step4



Use **<**, to select the item to change.

For details on each item, see "Items that can be set in Step 3" (page 35).



Change the item selected with **Mm**.

After setting all items, press **決定**.



Use **Mm** to select **[Confirm Reservation]** and press **.**

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.

## Notes on "Enjoying TV"

### Notes on "program 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 end of Easy Setup (page 19) to the end of receiving the program guide. 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 the broadcast stations you receive are the same.
- In the program guide, you can reserve programs up to 8 days ahead.
- Program information cannot be obtained while recording.

### 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 make duplicate reservations at the same time.
- Up to 30 reservations can be made on this machine.
- You cannot switch channels while recording.

### Notes on "Reserving recording in the program guide"

- **During dubbing to DVD, timer recording cannot be executed. Please check the reservation list before diving.**

### Notes on "Recording TV programs"

- **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.

- "Record", "Pause recording", and "Stop recording" on the control panel and remote control work only when watching a TV program. does not work when you are watching videos, music, photos, etc., or when the power of this 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



The TV

### 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 on this unit.
- **During dubbing to DVD, timer recording cannot be performed. Please check the reservation list before diving.**



# enjoy the video

## watch video

See page 47 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 record the video captured to the hard disk onto a DVD.

Press Step 1

Step 2 Select S

3 Select the video you want to see or press



reflect picture



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.
picture	Plays videos saved on the hard disk.
<b>Icon displayed when a DVD is inserted</b>	
icon	Select  and press
DVD	Play a DVD.

is displayed when acquiring program information from G-GUIDE.



## To play a DVD-RW disc recorded in VR mode

When (DVD) is selected in Step 3 on **page 38**, a list of video titles recorded on the DVD is displayed as shown below.

Select the title you want to play from the list and press to play the video. life begins.



image

## To display a list of titles recorded in DVD-RW video mode

Step1

Select (DVD) from the home menu

 Press.

Step2

Press when the DVD starts playing .

Step3

 Press.

Step4

Use Mm to select [Title List] and press .

## To end playback of a disc recorded in DVD-VIDEO

Step1

 Press.

Step2

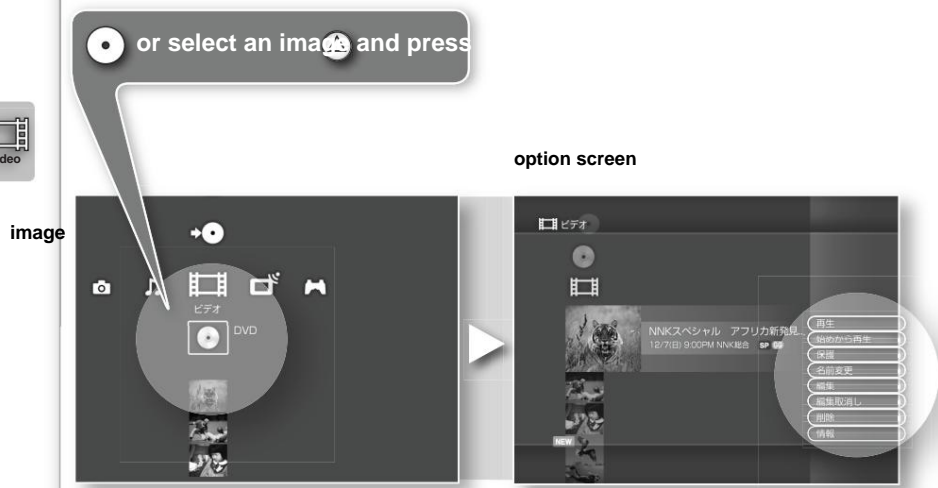
Use <, to select [Yes] and press .

DVD playback stops and the screen goes black once. wait a while to display the home menu.



# enjoy the video

## How to display the video option screen



- : Movies saved on the hard disk  
Items that can be used for statues
- : Items that can be used for discs

## play video

See page 47 for caution

Playing back images from the hard disk or DVD increase.

### Reproduce

Use Mm to select [Restart from the beginning] from the option screen. select Raw] and press .

### Play from the last stopped scene

Use Mm to select [Playback] from the option screen. Press.

Plays back from the last stopped scene. "way I want to see the continuation of the video that I saw until the inside." This is a convenient function when

## edit video

Edit video stored on the hard disk and skip scenes you do not want to play. can be played.

### Skip scenes you do not want to play.

Use Mm to select [Edit] from the option screen and press .

Editing work begins. on screen instructions Please work accordingly. For details about the work, see "Edit screen About" on page 43.

### Restore edited video

[Undo edit] from the option screen with Mm Select and press .

## rename video

Images saved on the hard disk rename the .

1 Use Mm to select [Rename] from the option screen.

Select and press .

2 Change the name using the on - screen keyboard. be.

For details on using the keyboard, see "Using the keyboard" (page 86) .

## Checking video information

Use Mm to select [Information] from the option screen.

Press.

You can check the recording date and time.

vinegar.



image

## protect your footage



### Images saved on the hard disk


to protect the video from being deleted or edited.

#### I want to

---

Use Mm to select [Protection] from the

 option screen and press . Protected

images are marked with .

To cancel protection ,

select [Unprotect]  and press .

## delete video



You can delete images saved on the hard disk.

---

Use Mm to select [Delete] from the option screen.

 Press.

Images recorded on a DVD cannot be deleted.

not.



# enjoy the video

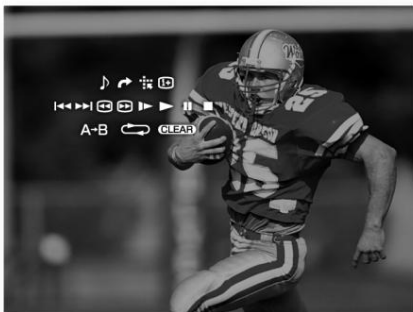
## Operate the video being played

### Step1



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

### Step2





Select the icon you want to use with Mm< (決定) Press. You can use the following icons in your video.

Icons that can be used on the operation

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

icon	Select and press
	<b>Return</b> Returns to the previous screen.
	<b>Audio Switch</b> Switches the audio of the video being played. <small>vinegar.</small>
	<b>Jump or timed jump</b> Play the video from the specified time. <small>vinegar.</small>
	<b>Thumbnail registration</b> is selected and is pressed The displayed image is the home menu. It becomes a new icon.

icon	Select and press
	<b>Screen display or time display</b> Switches the screen display. The contents displayed depend on the disc. it's different.
	<b>forward</b> Go back to the previous chapter.
	<b>backward</b> Move to the next chapter.
	<b>Search (Rewind)</b> "Fast forward and fast reverse" (43 page).
	<b>Search (fast forward)</b> "Fast forward and fast reverse" (43 page).
	<b>throw</b> Play the video slowly.
	<b>Throw (reverse throw)</b> Plays the video slowly in reverse direction. <small>vinegar.</small>
	<b>reproduction</b> Play the stopped video.
	<b>Pause</b> Pauses the video being played.
	<b>stop</b> Stops the video being played.
	<b>AB Repeat</b> Plays the specified scene repeatedly. (page 43).
	<b>Angle switching</b> Images with different angles are collected. to switch when it is recorded. can do.
	<b>Subtitle switching</b> Switches the language displayed in subtitles. <small>vinegar.</small>
	<b>Chapter jump</b> You can enter numbers.
	<b>Menu</b> Displays the DVD menu.
	<b>top menu</b> Displays DVD titles.
	<b>clear</b> 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
	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.

**About fast-forwarding and rewinding** Each time you select the fast-forwarding or rewinding icon and press repeatedly, Playback speed is switched.

If you hold down the m/M button, the Fast-reverse playback.

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

## About the edit screen

See page 47 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**
- Step2**

See "Editing video" (page 40) to display the editing screen.



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

- Step3**



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 2 and 3 before proceeding to step 4.



image



# enjoy the video

## Edit screen (continued)

See page 47 for caution

### Step4



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 Step5.

### Step5



Use Mm<, to select [Done] and press . Skip playback between the start and end points will be

## To undo the last action

⊗ Please press.

Cancels the previously set start point or end point.

## Pause the video for editing

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



Select with Mm<, and 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 and press .

The start mark is fixed on the playbar.



image

## 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 .**

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].**

To cancel the start and end point settings



## Step1

While the edit screen is displayed, use Mm<, to select [Cancel]. **image**

**Press Select.**

## Step2

Use <, to select the scene you want to cancel

⊗ **Press.**

## 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,

**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 skip to a scene about 15 seconds ahead (behind)

⏪ (flash+) or ⏩ Select (Flash-)

⊗ **Press**



# enjoy the video

## Dubbing recorded TV programs to DVD

See page 47 for caution

TV programs recorded on this unit can be dubbed to DVD.

increase.

Before dubbing, prepare a DVD suitable for the purpose.

Once dubbed to DVD, additional dubbing to that DVD cannot be done.



image

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	Length	HD 1
HQ	↑	hour 1.5 hours
HSP		2 times
SP (standard)		3 times
LP		4 times
EP		6 hours
SLP		

## to dub

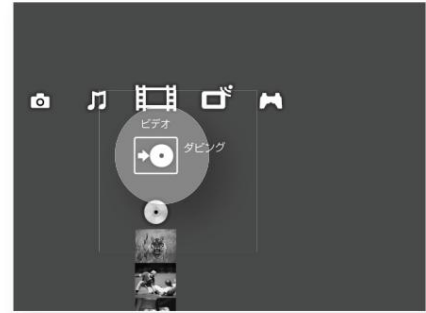
Since this unit automatically initializes the DVD before dubbing, when dubbing to the same disc again after dubbing need to be synchronized. Initialization saves data to that disk. All existing data will be erased. Since DVD-R can only be initialized once, you can dub again with the same disc. can not.

### Step1



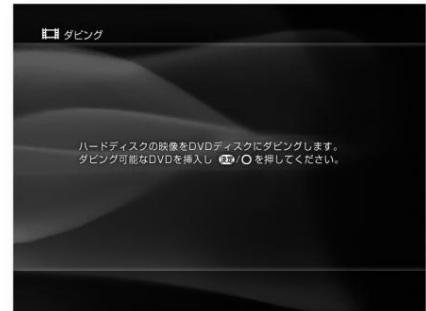
Insert the DVD into the unit.

### Step2



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

### Step3



**決定** Press.

DVD initialization starts.

### Step4



Use **<**, to select [Yes] and press .

Please check before dubbing with DVD-RW.

This unit automatically initializes the DVD before starting dubbing.

Formatting deletes all data saved on the disk.

Please be careful.



**Step5**

Use Mm to select the videos (titles) in the order you want them to be dubbed and press .

While checking the free space of the DVD to be played, Please select a video.

**Step6**

After selecting all the videos you want to dub, Press.

**Step7**

Check the dubbing order and press . Start dubbing.

**Notes on "Enjoying Images"****Notes on "Watching Video"**

•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 functions may not work. increase.

•When playing VR mode of DVD-RW, interlace Video output is only for the method.

**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 "DTS" in the DVD settings are set to "On" .

- DTS audio signals are not output from the analog audio output.

**Precautions for "playing video"****Notes on "Playing from the last stopped scene"**

•In the case of a DVD, playback resumes from the previously stopped scene only in the following cases.

You can

-During playback, display the cross menu with SELECT or home button. when

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

**Notes on "Edit screen"**

**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 "Dubbing Recorded TV Programs to DVD"**

• Programs with a copy restriction of "Recordable only once" can be downloaded to a DVD. can't dub.

•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.

• If you finalize a DVD-RW disc, you will not be able to dub it unless you initialize it (for DVD-RW).

•During dubbing, recording reservations and recording cannot be performed.

• When dubbing in DVD-RW VR mode, the editing results are not reflected in the dubbed video. Editing results are reflected when dubbing in DVD-RW video mode.



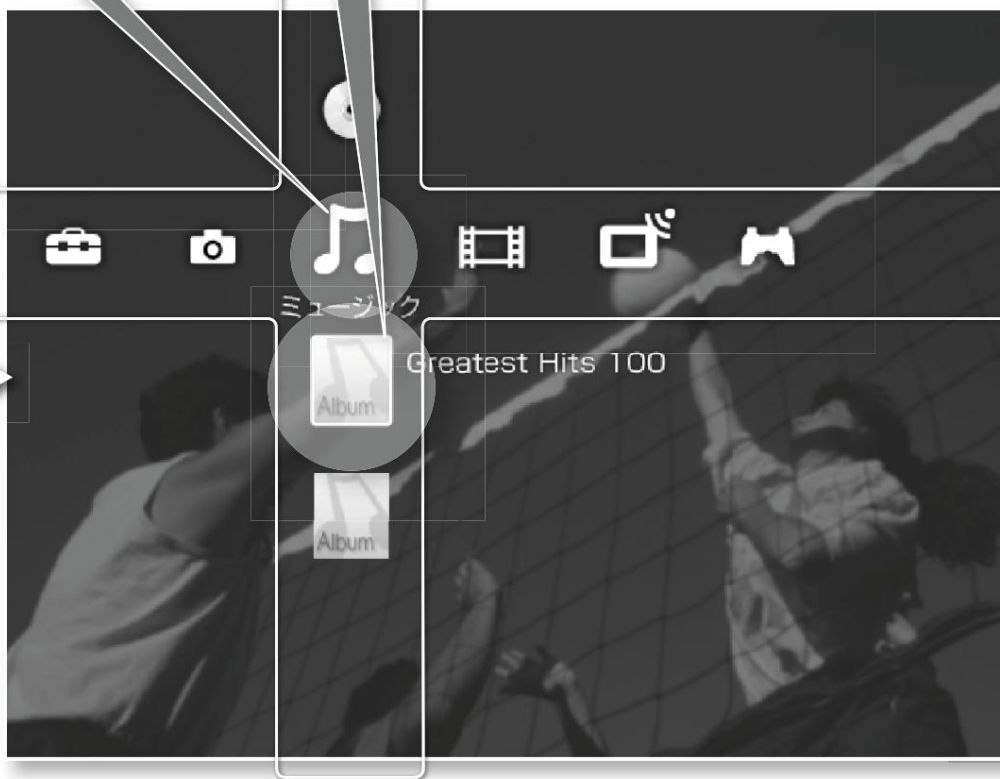
# enjoy music

listen to songs and albums


See page 53 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** **Step3** or select and press



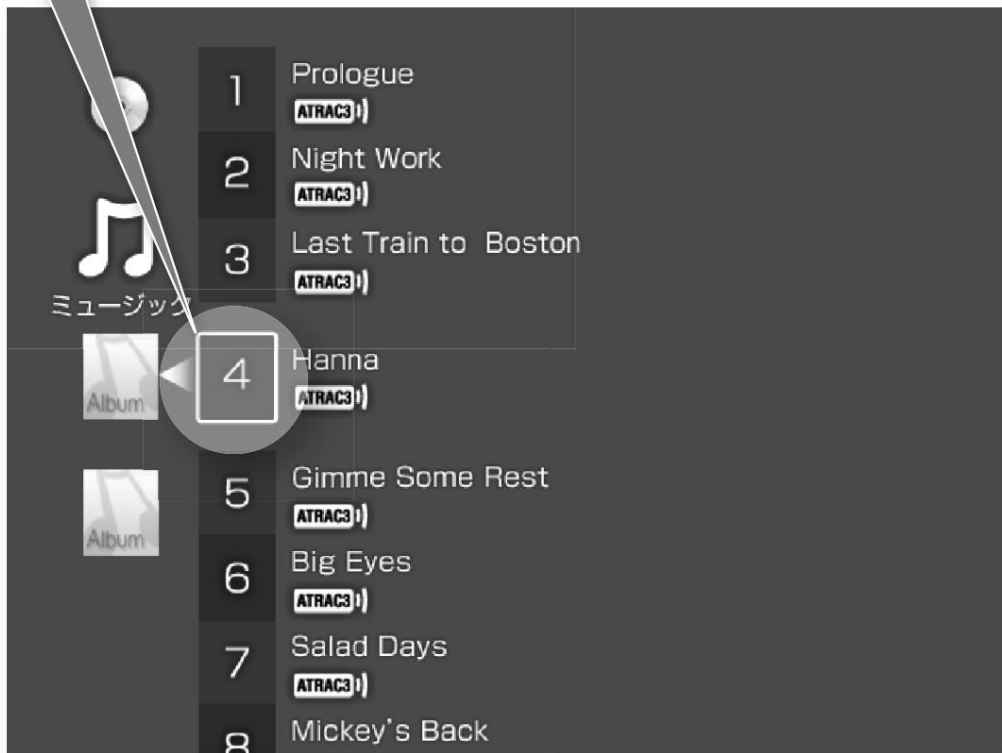
Explanation of icons that can be selected with

icon	Select and press
 Album	Album Lists 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.

Step4 Select the song you want to listen to and press



music

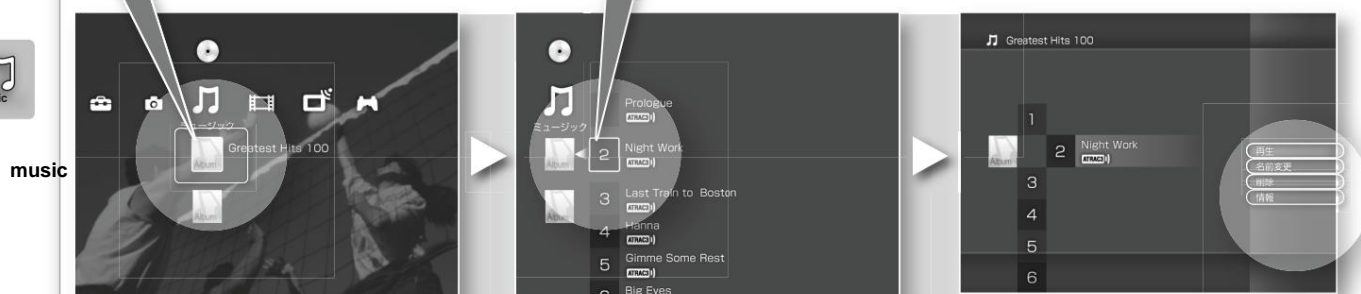


# enjoy music

## How to open the music option screen

When you want to display song options

Select **Step 1** and press **Step 2** Select a song and press



: Songs saved on the hard disk and albums

: Items that can be used for discs

### Play a song or album

Use Mm to select [Playback] from the option screen and press **決定**. Play a song.

### Importing tracks from a CD into this unit

See page 53 for caution.

Use Mm to select [Import] from the option screen.

Press **決定**.

When importing from a music CD, ATRAC3 format on your hard disk.

The sound quality setting when importing a CD is

In the "Music settings", select "CD

Set the sound quality when importing songs"

See page 73.

### Rename a song or album

Albums on this unit or files saved in albums change the name of the song that is

1 Use Mm to select [Rename] from the option screen.

Select and press **決定**.

2 Change the name using the on - screen keyboard.

be.

For details on how to use the keyboard, see

"Using the keyboard" (page 86).

### delete songs and albums

Albums on this unit or files saved in albums

Delete the songs that are

Use Mm to select [Delete] from the option

**決定** screen and press .

Songs recorded on a CD cannot be deleted.

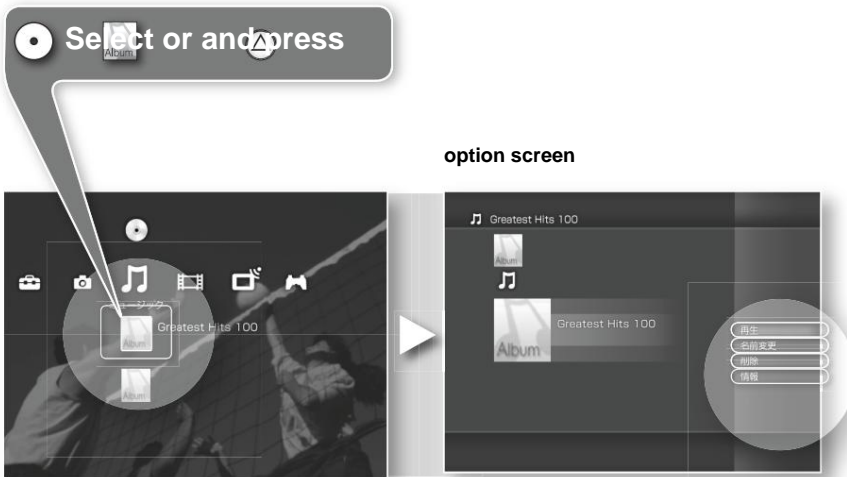
Hmm.

### Confirm information

Use Mm to select [Information] from the option screen.

**決定** Press.

When you want to display options for CDs and albums



music

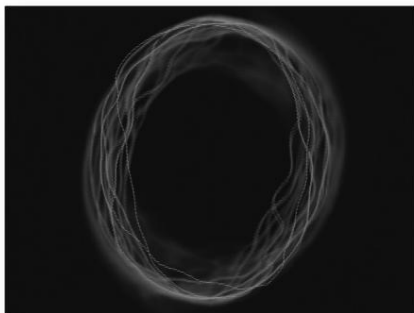


# enjoy music

## Control the song that is playing

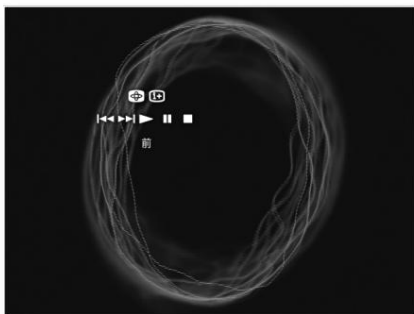
See page 53 for caution.

### Step1



Press while listening to a song. The operation panel will be displayed.

### Step2



Select the icon you want to use with Mm<, (決定)

Press.

When listening to a song, use the icons on the right.

You can

Icons that can be used on the control panel

Some icons may not be displayed depending on usage conditions.

icon	Select a (決定) press
Visualizer	Designing images displayed during playback change the
Screen display	Switches the screen display.
forward	Move to the beginning of the current song or the previous song move.
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.



music

## Notes on "Enjoying Music"

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### Notes on "Listen to songs and albums"

- 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, the analog output is extremely noisy. Connect the analog output of this unit to an amplifier.

When not in use, 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. **Audio without built-in DTS decoder**

If you play DTS audio from a CD while connected to an audio device, there is noise from the digital audio output.

---

### 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 not possible.
- 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 ^/1 (power button) (source) button.
- Music discs with copyright protection technology that does not conform to the CD standard may not be imported.

---

### Notes on "Controlling the song that is playing"

- Continued looking straight into the Visualizer in a dark room may cause symptoms such as epilepsy, so make sure the room is bright.



music

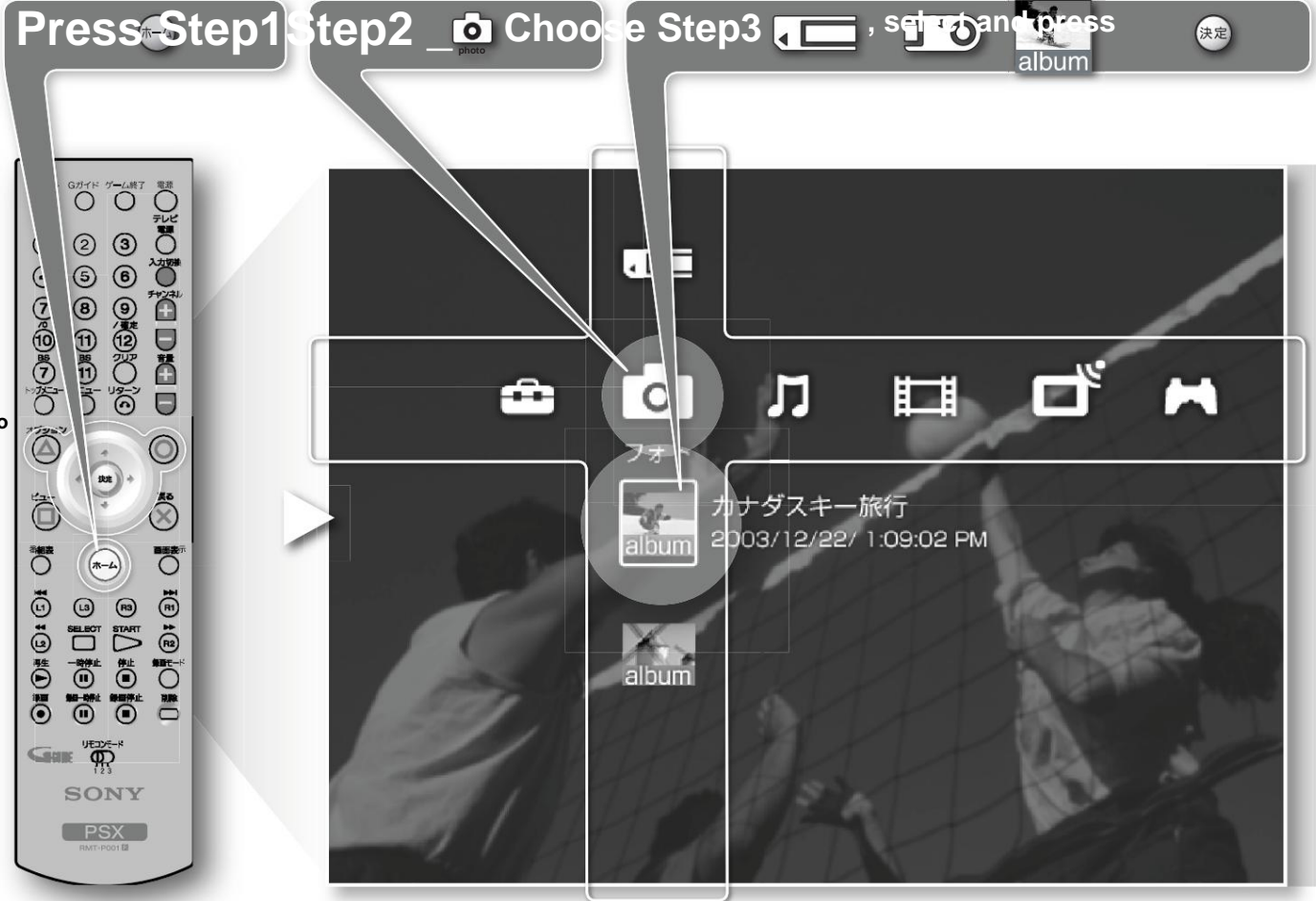


# enjoy photos

## View photos

See page 58 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	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"	View the list of photos saved on the "Memory Stick" display.
Digital camera	Display a list of photos saved in the digital camera. increase.

### Photos that can be displayed on this unit

Photos that can be played back on this unit are in JPEG format.

Still images only.

You can also use a "Memory Stick" or digital

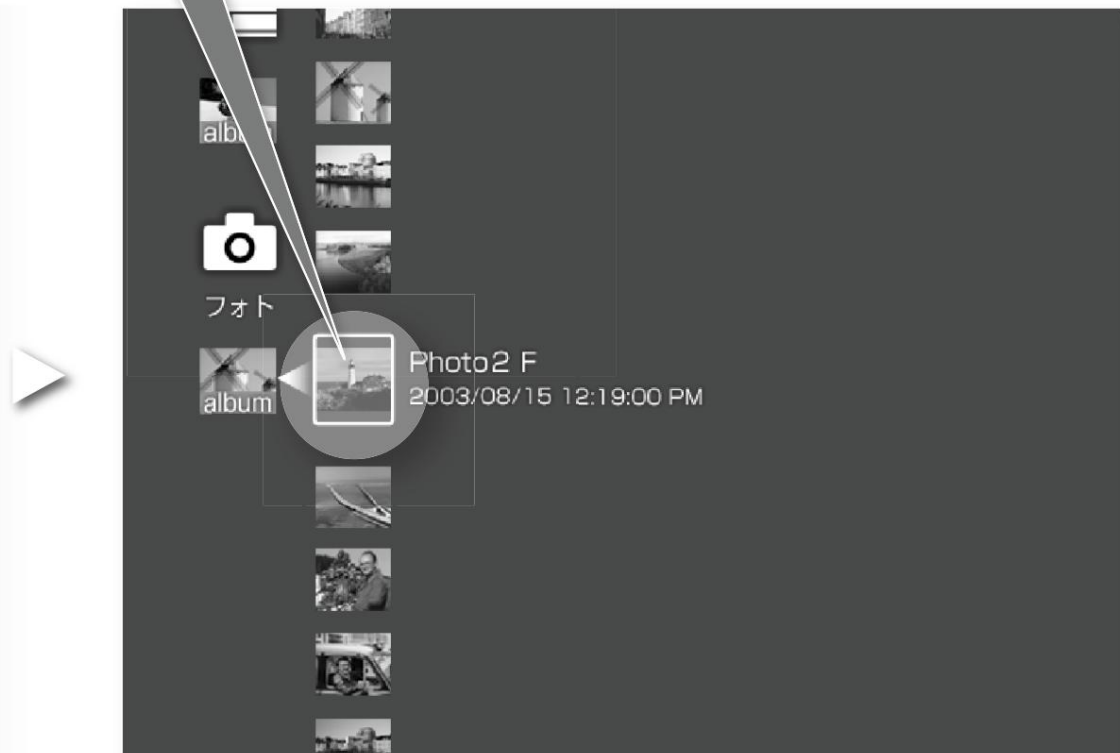
Play photos saved in the camera

In order to convert JPEG photos into DCF format

Must be stored in an expression.




Step 4 Select a photo and press 



photo


### When Ya is selected in Step 3

Folder saved in the "Memory Stick" or digital camera in Step 4 is displayed.

select the folder containing  please.

 Press to save in the selected folder.

A list of photos that have been saved will be displayed.

to select the photo you want to view, and  press again. please.



# enjoy photos

## How to display the photo option screen

When you want to display photo options

**Step1** or **album** を選び **決定** を押す

**Step2** Select a photo and press **決定**

\* When folders are displayed, select a folder, press OK, and then select a photo. option screen

: saved on the hard disk for photos and albums

Items that can be used by

: A copy of a "Memory Stick" Can be used for truth and albums

Items that can be used: Pictures and

Items that can be used for albums

The display speed of the slide show is (Photos) settings > "Slideshow table" Set the display speed" (page 72).

### rename photo

Photos saved in albums on the unit rename the .

1 Use Mm to select [Rename] from the option screen. **Select and press .**

2 Change the name using the on - screen keyboard. **be.**

For details on how to use the keyboard, see "Using the keyboard" (page 86) .

### Play photo

"Memory Stick" or digital camera La, play the photos saved in the album.

Use Mm to select [Playback] from the option screen. **決定** Press.

### Importing photos into the camera

Folders and photos saved in (Memory Stick) can be stored in the camera Incorporate it into the bum.

Use Mm to select [Import] from the option screen and press .

Display the capture screen. Follow the instructions displayed on the screen to operate.

### Check photo information

Use Mm to select [Information] from the option screen. **決定** Press.

### Viewing photos in order (slideshow)

Photos saved in albums on the unit are displayed in order.

Use Mm to select [Slide] from the option screen. **Show] and press 決定**

### rotate photo

Rotate the photos saved in the album of the unit.

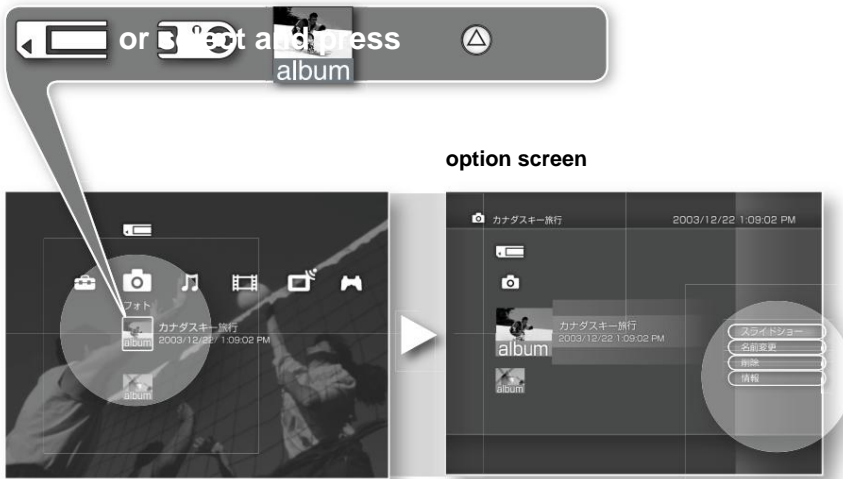
Press Mm to select [Rotate (Left)] or **Select [Rotate (Right)] and press .**

Rotate the photo in 90 degree increments.

### Checking album information

Use Mm to select [Information] from the option screen. **決定** Press.

When you want to display options for a "Memory Stick", digital camera, or album



photo

## delete photo



Albums on this unit or files saved in albums

Delete the photos that are

Use Mm to select [Delete] from the

決定 option screen and press . Photos

deleted from hard disk

vinegar.



# enjoy photos

## Manipulate playing photos

### Step1




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









### photo Step2



Select the icon you want to use with , and press **Mm<**. When viewing photos, you can use the following icons:

Icons that can be used on the control panel

Some icons may not be displayed depending on usage conditions.

icon	Select and press
	Rotate (left) Rotates the displayed image 90 degrees counterclockwise. <b>Let</b>
	Rotate (Right) Rotates the displayed image 90 degrees clockwise. <b>Let</b>
	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.

## Notes on "Enjoying Photos"

### Notes on "Show 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.



**photo**



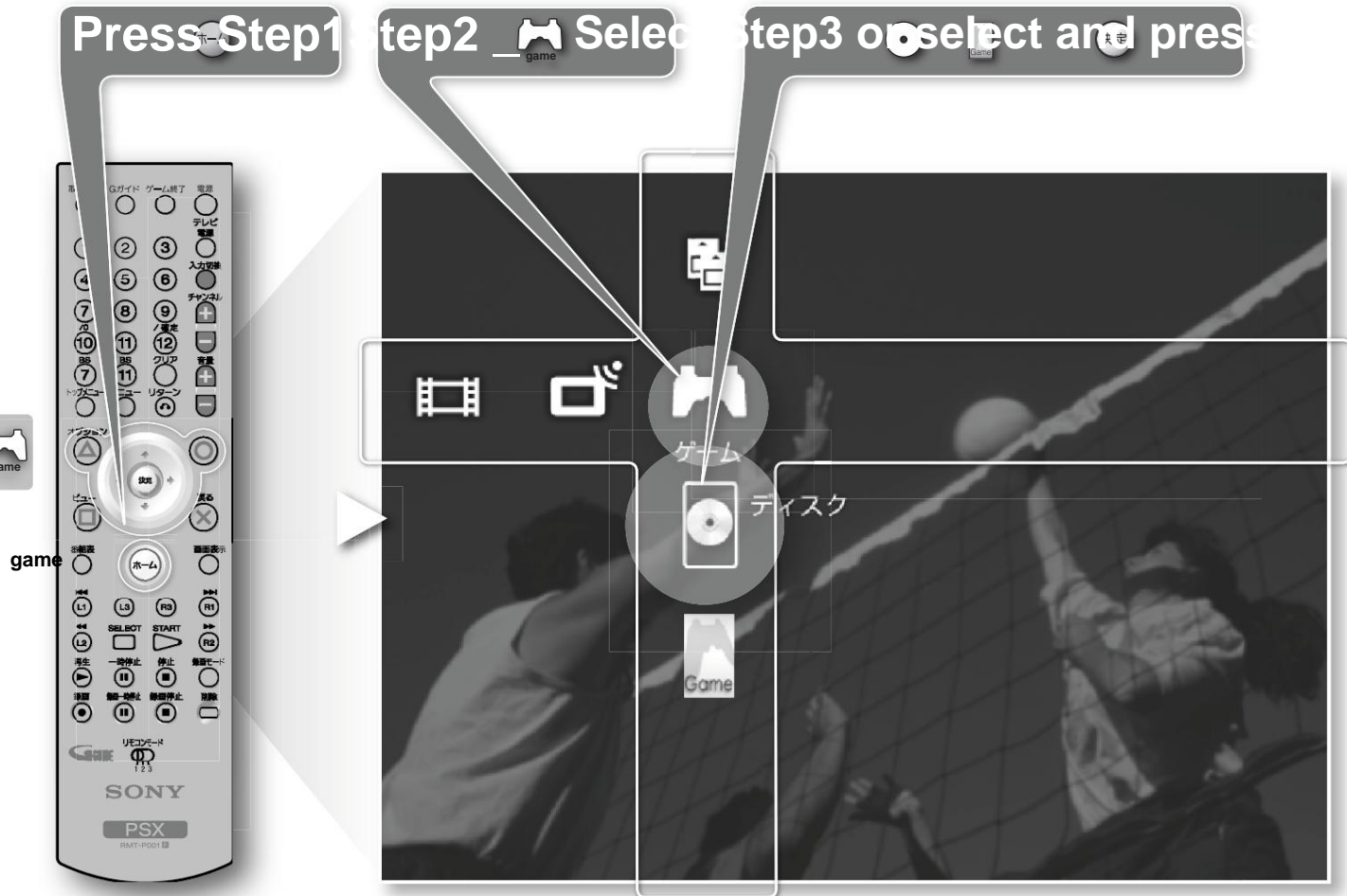
# enjoy the game

## play the game

See page 65 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 "Preparing for the game" (page 20).



### game Explanation of icons that can be selected with

icon	Select and press
memory card utility	Displays the "PlayStation 2" dedicated memory card (8MB) or memory card option screen (page 62).
game title	Start the game installed on your hard disk.

### Icon that appears when a disc is inserted

icon	Select and press
	Start the game from disc disc.

## How to display the option screen of the game

Select or and press



○ : Items that can be used for disks :  
 Items installed on the hard disk  
 Can be used for games that have been dropped  
 project

### View information about games installed on your hard disk

Use Mm to select [Information] from the option screen and press . Information about the game is displayed.

### Deleting games installed on your hard disk

Use Mm to select [Delete] from the option screen and press .

game

### start the game

Use Mm to select [Start] from the option screen

○ and press .

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

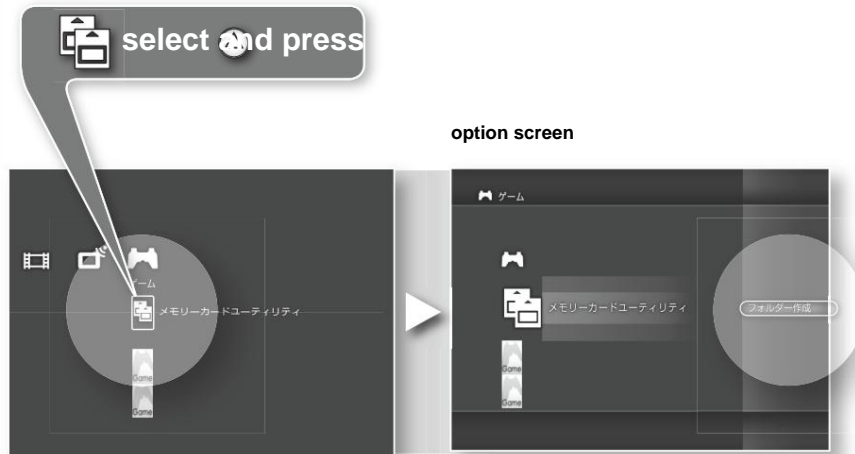
For information on how to operate the game, please refer to the manual that comes with the game software.



# enjoy the game

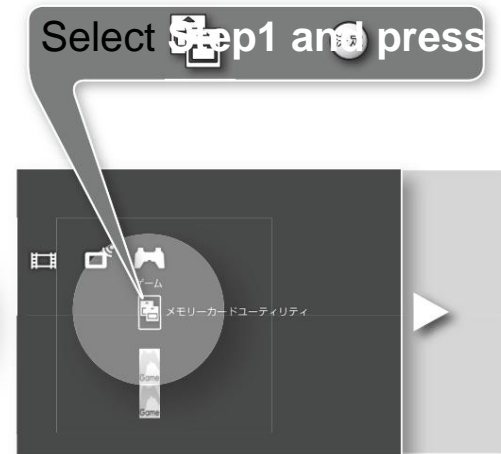
## How to display options in Memory Card Utility

When you want to display the option screen of the memory card utility



Save data option screen

when you want to put it out



game : Memory card utility

Items that can be used for security

: Memo for "PlayStation 2"

Can be used for memory card  
(8MB) or memory card

project

: Items that can be used for folders

### create a folder



Use Mm to select [Create folder] from the option screen.

[Create] and press .

### Show folder information



See page 65 for caution

Use Mm to select [Information] from the

**決定** option screen and press . Information  
about the folder is displayed.

### Rename folder



1 Use Mm to select [Rename] from the option screen.

Select and press .

2 Change the name using the on - screen

**決定** keyboard and press . For details on

using the keyboard, see "Using the  
keyboard" (page 86) .

### Duplicate folder



Use Mm to select [Copy] from the option screen.

Press and .

### delete folder



See page 65 for caution

Use Mm to select [Delete] from the option screen.

**決定** Press.

### Display save data information



Use Mm to select [Information] from the save

data options screen and press .

### other save data

Move to the dedicated  
"PlayStation 2"  
memory card (8MB) or  
memory card



See page 65 for caution

Save data option screen at 1 Mm

Select [Move] from and press .

2 Use Mm to select the destination folder and press .  
push.

### Duplicate save data



See page 65 for caution

Save data option screen with Mm

then select [Copy] and press .

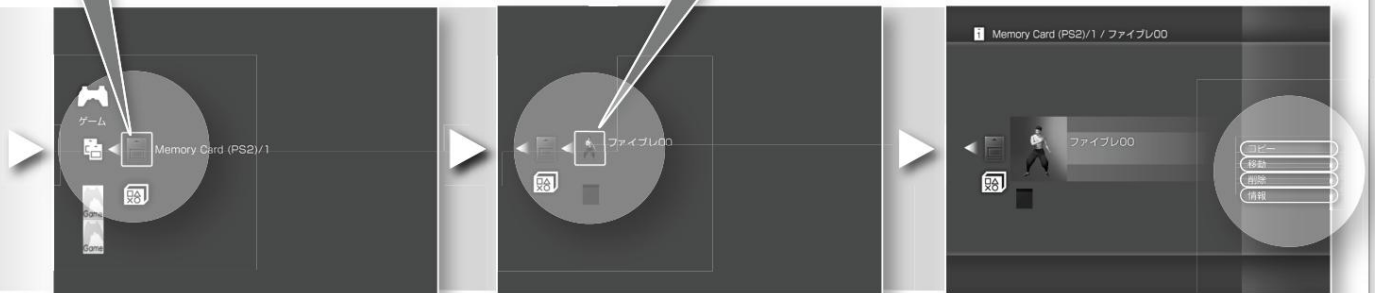


Step 2 Select   and press 

 If you press , the option screen of or appears.


Step 3 Select save data and press 

option screen



## Delete save data



See page 65 for caution 

Save data option screen with Mm  
then select  and press .

game



# enjoy the game

## Install the game on your hard drive

For information on how to install the game, please refer to the explanation provided with each game. Please see the book.

Only games that support installation on the hard disk can be installed on this unit. Games that do not support installation on the hard disk can be installed on your hard disk.

## finish the game

See page 65 for caution

The home menu is displayed even when the home button is pressed during the game. You cannot do. Using functions other than games on this unit, press the QUIT GAME button to exit the home menu. Please show me the menu.



QUIT GAME Press



After a short time



Even if you press the QUIT GAME button, recording or scheduled recording about doesn't stop.



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 can play by connecting two at the same time.  
You can not.
- This unit does not support the following "PlayStation 2" discs.  
plug.
  - "PlayStation BB Navigator"
  - "PlayStation 2" exclusive DVD player
  - Linux (for PlayStation®2)
  - Utility disk  
(As of December 2003)
- You cannot stop recording on this unit during the 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.**

### Notes on "Display 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.

### Notes on "Delete a folder"

- Do not remove the "PlayStation 2" **dedicated memory card (8MB)** or the memory card **while copying or deleting data** .

### Notes on "Moving save data to another "PlayStation 2" dedicated memory card (8MB) or memory card"

- Do not remove the PlayStation 2 memory card (8MB) or the memory card while transferring data.

### Notes on "Duplicate save data"

- Do not remove the PlayStation 2 memory card (8MB) or the memory card while data is being copied .

### Notes on "deleting save data"

- Do not remove the PlayStation 2 memory card (8MB) or the memory card while deleting data.

### Notes on "Exiting 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.**



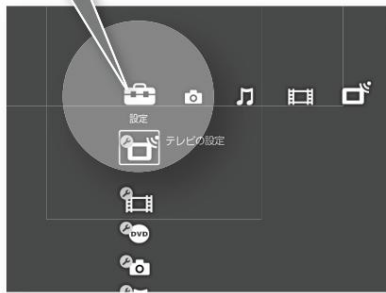
game



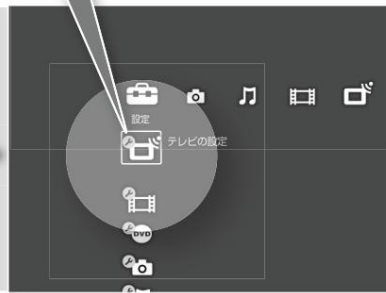
# TV settings

## How to display the TV setting screen

### Step 1 Choose



### Step 2 select and press



### TV setting screen



## Manually set the receiving channel

### TV settings

1 Mm to select [Manual

[Channel Settings] and press .

2 Use Mm to select the channel you want to set

決定 and press . 3 Use <, to select the item

you want to change.

4 Set with Mm and press .

#### Item list Receive channel

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 90) and set.

#### 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

It automatically adjusts for optimal reception.

#### please note

- GRT works a few seconds after the channel is switched, gradually decreasing ghosts from the strongest. At this time, the image may flicker momentarily. Also, if the signal is weak, GRT may take longer than usual.

- When setting up or adjusting the antenna, you can check the direction with less ghost by turning "GRT" to "OFF".

- Because the effect is not sufficient in the following cases,

Set "GRT" to "OFF". - When

ghosting is too strong - When

more than 10 waves of ghosting occur at the same time

Occasion - Inconsistent ghosts, such as those caused by reflections on airplanes

- Installation and adjustment of antennas such as indoor antennas

When adjustment is not performed properly

- 2 Select [Execute] using <, and press . Automatic channel setting starts.

## Hide channels with poor reception

- 1 Mm to select [Mute] from the TV setting screen.

Settings], then press .

- 2 Use Mm to select a setting and press .

#### Item list

do

Avoid listening to channels with poor reception.

do not do

It also receives channels with poor reception.

## Setting external video input

- 1 Mm to select [External Image Input] and press .

- 2 Use Mm to select a setting and press .

#### Item list

picture

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

## Automatically set the receiving channel

### Automatically set receivable channels

To do.

- 1 Mm to select [Auto [Channel Settings] and press .

**S-video**

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

**Automatically output stereo sound**

automatically when receiving a stereo broadcast.

for switching to stereo sound

Settings.

1 Mm to select [Automatic

Select Tele Reception] and 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**

Unable to display unused BS channels can be set as

1 Mm to select [BS Channel] from the TV setting screen.

channel], then press .

2 Use Mm to select a channel and press .

3 Select the setting with Mm and press .

Item list

do

Makes it impossible to select a station.

Allows

you to select a station that does not.

**Check the reception status of the BS antenna**

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

Check the reception status of the BS antenna I can.

the antenna level to the maximum possible

Orient the antenna so that it is close to the value

Please adjust

**Setting the power supply method for the BS antenna**

1 Use Mm to select [BS ANTENNA POWER]

from the TV setting screen , then 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 for the program guide**

Channels of the same broadcasting station may differ depending on the region.

Since the files are different, it is necessary to use the program guide of this unit.

the area code for your area.

setting to display the program guide suitable for that area.

must be displayed.

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

number setting] and press .

2 Use Mm to select an area and press .

If you do not know the area code, refer

to "List of Guide Channels" (page 90).

Watch and listen to stations in your area

Choose the area code that contains more

please Stations in your area

can be found in the TV section of newspapers.

In the following cases, "Receiving channel

Manual setting of the guide channel

Please change the settings.

- The displayed channel in the table is different from the TV channel

- Common use of cable TV and condominiums

If you are using a receiving system, etc., the displayed channels in the table are different.

**Set the channel for acquiring program information in the program guide**

In "List of guide channels" (page 90)

Program guide data from broadcasting stations with "y" data is sent (as of December 2003).

1 Use Mm to select [Acquire program guide

channel] from the TV setting screen and press .

2 Use Mm to select a channel and press .

**Setting the time for obtaining program information in the program guide**

For program information on the program guide, please refer to your area

Acquisition time varies depending on mistake

If you specify a different time, the program information will be displayed correctly.

broadcast stations.

change the time unless otherwise advised by

do not change it.

Use Mm to select [Time to get TV listing review]

from the TV setting screen and press .

2 Use Mm to

select the field you want to set and press .

3 Use <

select the item you want to set, then Mm

to set. 4Once

you have set the item you want to change,

push.

**please note**

- Do not manually change [Program guide acquisition channel] and [Program guide acquisition time] 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 Service Center (back cover).



# Video (picture) settings

## How to open the video setting screen

### Step 1 Choose

### Step 2 select and press



## Setting the recording mode

The recording mode selected here is used during recording.

This is the normal setting.

- 1 Use Mm to select [Recording Mode] from the video settings screen, then press .
- 2 Use Mm to select a recording mode and press .

### Video (picture) settings

**Recording Modes** This unit has 6 recording mode settings. If you want to record with high image quality, select a high mode such as HQ. If you want to record for a long time, you can record for a long time by selecting a mode such as SLP .

Recording mode	Recordable time	
	DESR 7000	DESR 5000
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 channels of Dolby Digital will be

- Change the recording mode while recording can not.
- If you change the hard disk area, the recordable time will also change.
- When 6 hours have passed since recording started, the image will automatically stop.

## Setting the DVD-RW dubbing method

The recording mode set here is used during dubbing. default.

- 1 Use Mm to select [DVD RW Recording Mode] from the video settings screen , then press .
- 2 Use Mm to select a mode and press . Item list

### DVD-Video

Dubbing a DVD-RW in video mode.

### DVD-VR

DVD-RW is dubbed in VR mode.

About DVD-RW recording mode Even if you edit the video and make it shorter, When dubbing to a DVD-RW with The file size of will be recorded. Dubbing to DVD-RW in video mode the file size of the edited video. becomes smaller.

## Setting the recording method for bilingual audio

1 Use Mm to select [Bilingual broadcast recording audio] from the video settings screen, then press .

2 Use Mm to select a setting and press .

Item list

Primary audio

Records main audio only.

Secondary audio

Records secondary audio only.

## Reduce noise during recording

1 Press Mm to select [Recording NR] (Recording noise reduction ). Press and .

2 Use Mm to select a setting and press .

Item list off

Turn off the recording NR function

1

Weaken the noise reduction effect

2

Slightly stronger noise reduction effect

3

Stronger noise reduction effect

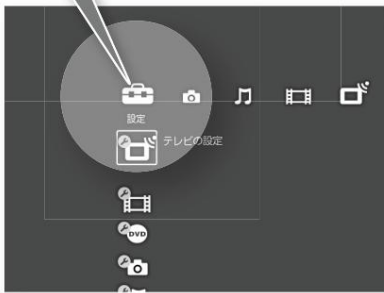




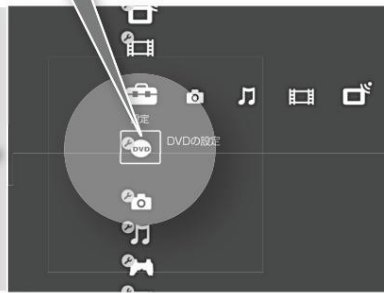
# DVD settings

## How to open the DVD setting screen

### Step 1 Choose



### Step 2 select and press



### DVD setting screen



## Setting the language displayed on the DVD menu

1 Use Mm to select [DVD menu display language] from the DVD setting screen and press .

2 Use Mm to select a language and press . If you select "Language list", select the language you want to set from the language list.

2 Use Mm to select a language and press . If you select "Language list", select the language you want to set from the language list.

In such cases, be sure to set the progressive output to "OFF".

## Setting Dolby Digital

Connect to AV amplifier with optical digital cable  
Set when

1 Mm to select [Dolby Digital] and press .

2 Use Mm to select a setting and 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 progressive output

When connecting to a TV with a D video cord  
Set.

1 Select [Program] from the DVD setting screen with Mm.  
[Progressive Output] and press .

2 Use Mm to select a setting and press .

### Item list

enter

Progressive video is output 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 using a non-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".

## Setting the audio language for playback

1 Press Mm to select [Voice Language] from the DVD setting screen.  
[language] and press .

2 Use Mm to select a language and press .

When "Language list" is selected, the language list or and select the language you want to set.

## Setting the displayed subtitle language

1 Press Mm to select [Subtitles] from the DVD setting screen.  
[language] and press .

settings of



## Setting DTS (Digital Theater Systems)

Connect to AV amplifier with optical digital cable

### Set when

- 1 Use Mm to select [DTS] from the DVD setting screen and press .
- 2 Use Mm to select a setting and press .

### Item list

enter

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

cut

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

## Setting how the audio track is played

- 1 Press Mm to select [Audio track] from the DVD setting screen.

Select [Rack Auto Selection] and press .

- 2 Use Mm to select a setting and press .

### Item list

enter

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

cut

Does not give priority to the audio track with the largest number of channels when playing back a DVD-Video.

## Change PIN code for viewing age restriction

The security code is set to 0000 at the time of purchase. is specified. If you want to change Please follow the steps below.

- 1 Mm to select [Viewing Age] from the DVD setting screen. [Restriction PIN] and press .

Enter 2 0000.

- 3 Mm to set a new PIN and press  push.

## If you forget your password

" (page 77) to the default settings.

Please return to

## Setting the region where viewing age restriction is used

- 1 Use Mm to select [Age restriction use area] from the DVD setting screen and press .

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

- 3 Use Mm to select an area and press . If you select [Others] here, the area code will be

An input screen will appear.

Please refer to the area code list and

Please enter and press .

### Area code list

Area of	code
use USA	US
UK Italy	GB
Indonesia	IT
ID	
Austria AT Netherlands	
Canada	NL
	THAT
	NOK
South Korea Singapore SG	
Switzerland	CH
Swedish SE	
Spain	IT IS
	TH
	TW
	CN
Thailand	DK
Taiwan	OF
China	JP
Denmark	NO
Germany Japan Norway Philippines	
Finnish FI	
France	FR
Belgium	BE
Hong	HK
Kong 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 and press .
- 2 Enter your PIN according to the instructions on the screen do.
- 3 Set the restriction level with Mm and press .

### please note

• Depending on the disc, you may be asked to change viewing settings during playback. In that case, enter your PIN and change the level. Continued When playback is canceled, the level returns to the first set level.

• You cannot restrict the playback of DVD videos that do not have a viewing age restriction function even if you set the viewing age restriction on this unit.

• For DVD videos, enter only the password without changing the viewing age restriction level. Some do.



# DVD

settings of



# Photo settings

## How to display the photo setting screen

### Step 1 Choose

### Step 2 select and press

### Photo setting screen



## Setting the display speed of the slideshow

The speed at which photos are switched in a slideshow set the

1 Use **[Slideshow speed]** from the photo settings screen and press .

2 Select the desired speed with Mm and press . push.

item list

slow

**Fo** The photo switching speed becomes slower.

standard

Switch photos at normal speed.

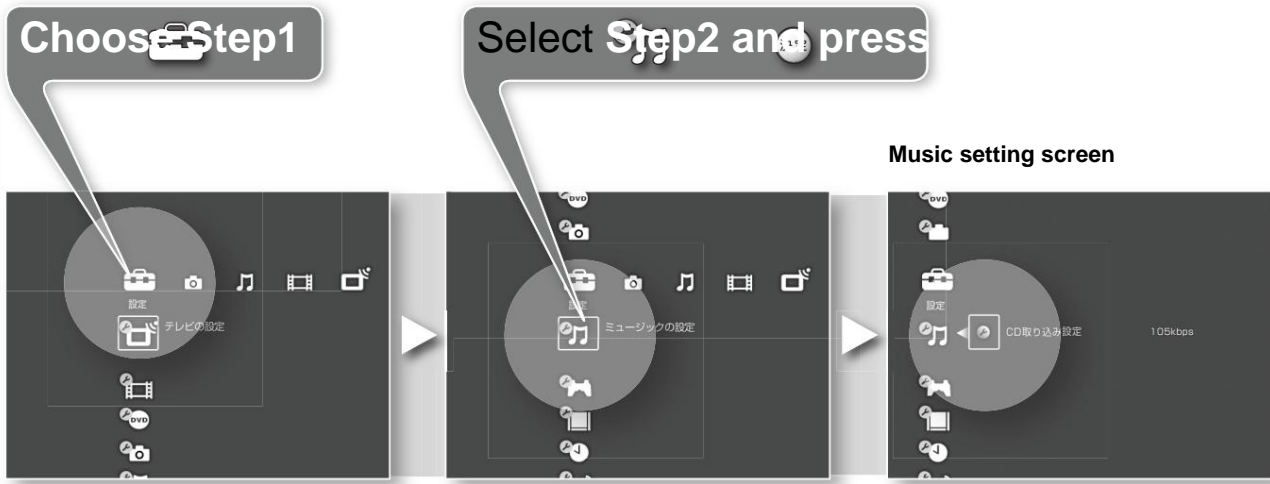
fast

**photo settings** The photo switching speed is increased.



# Music settings

## How to display the music setting screen



## Setting the sound quality when importing songs from a CD

1 , from the music setting screen  
 Select [CD Import Settings] and press .

2 Select the sound quality with Mm and press . 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.



mi  
 yu  
 Jitsu  
 of  
 music  
 set up



# game settings

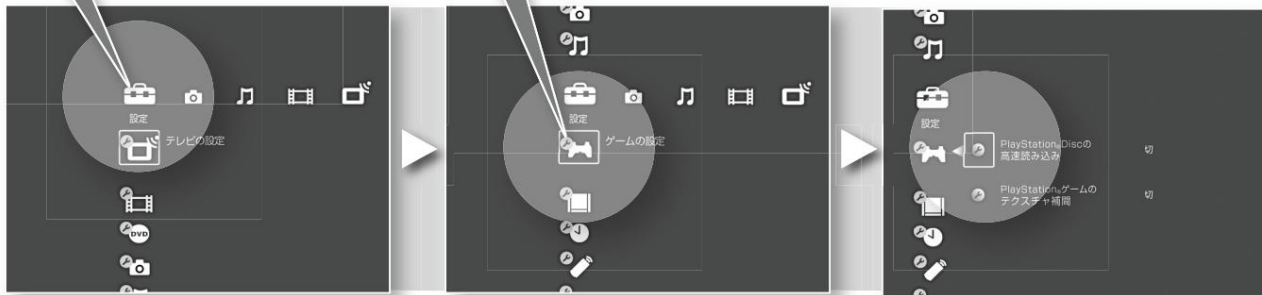
## How to display the game setting screen

Make settings for "PlayStation" standard software.

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

### Choose Step 1

### Select Step 2 and press



## Setting fast loading of "PlayStation" standard software

### 1 Mm from the game settings screen

Select [ Read PlayStation®Disc Fast ] 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 reading.

## Setting Texture (Image) Interpolation for "PlayStation" Standard Software

### 1 Use Mm to select [PlayStation® game

texture interpolation] from the game settings screen and press

### 2 Use Mm to select a setting and press .

Item list

enter

The displayed texture (image) is displayed more clearly.

cut

Display with normal texture.

### please note

- Even if each game setting is set to "On", the setting will return to "Off" when the power is turned on again.
- Depending on the game software, the effect may be difficult to discern or the image may be distorted. In that case, select "Off".



game set

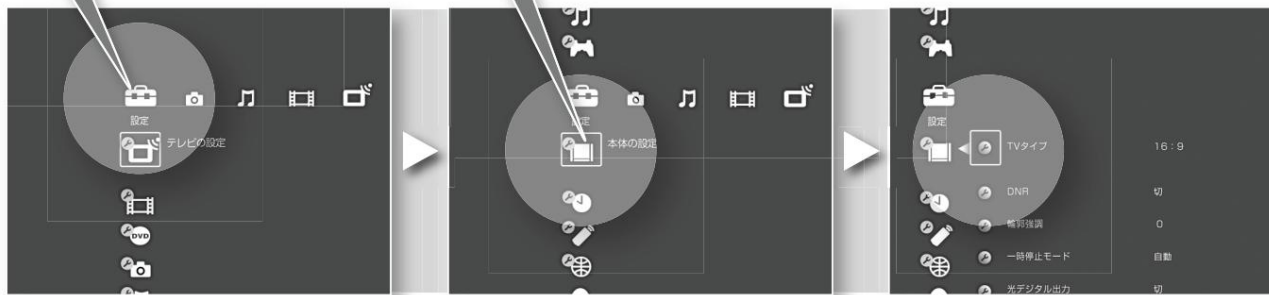


# Body settings

How to display the setting screen of the main unit

Choose Step 1

Select Step 2 and press



## Registering the aspect ratio of the TV screen

1 Use Mm to select [TV Type ] from the main unit's setting screen, then press .

Aspect ratio of televisions displaying images at 2 mm Select and press .

Item list

16:9

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 this when the aspect ratio of the TV screen is 4:3 and you want to view a 16:9 image on the 4:3 screen.

## Reducing noise during playback

Noise that appears on the screen during playback (flickering) is reduced.

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 Off

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

Reduces

graininess and color noise in DNR1 images.

DNR2

It reduces noise more strongly than DNR1.

## Sharpen image outlines

1 Mm from the setting screen of the main unit [Outline enhancement]

Select and press .

2 Use Mm to select a value and press . The higher the number you select, the clearer the outline of the image.

## Setting the display method when paused

1 Mm to select [Pause

Mode] and press .

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.

Main unit settings

## Setting the optical digital output

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

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, sound may be output even if it is set to "OFF".

•Even if the TV sound is turned off, music will still be output if the setting is set to "On".

## Restore the settings of this unit to the state at the time of purchase

Use Mm to select [Factory default] select [Return to] **and** press .

Please follow the instructions on the screen.

You cannot select [Restore] while recording.

Hmm. Note that even if you select [Restore], the hard disk Screen images, etc. will not be erased.

## Change hard disk space

The hard disk of this unit stores videos, photos,

An area for storing music, etc., and an area dedicated to games.

It is divided into two types of areas for:

The game area is set at the time of purchase.

However, you cannot use the hard disk

If you do not play a game that supports system to 0GB (gigabytes).

You can

Use Mm to select [HDD Area Settings ] from the main unit's **setting** screen and press . The hard disk space setting wizard is displayed, follow the instructions on the screen. to operate.

### please note

•Please note that if you change the hard disk area, all information such as videos, music, photos, game titles, folders, etc. saved on the hard disk will be deleted.

•If you change the hard disk area, The recordable time also changes.

## Displaying information about the machine

Displays the model name and MAC address of this unit.

increase.

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



Main unit se

# Other settings

## How to display the date and time setting screen

### Step 1 Choose



### Step 2 select and press



### Date and time setting screen



### set date and time

1 Use Mm to select [Time setting] from the date and time setting screen.

Select and press .

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

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

### adjust time automatically

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

2 Set with Mm and press . Item list

enter

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

cut

Does not automatically adjust the time.

- When reading the time signal at noon, cannot be adjusted automatically. - The power of the unit is on (when the power lamp of the unit is lit in green)
  - Recording
  - Clock is off by 2 minutes or more

•When sending the time signal at noon, turn off the power of the watch. please cut

•If the noon time signal is not sent during broadcast of sports, etc., the time signal will be adjusted automatically. I can't

### To change the channel for automatic adjustment

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

2 Use Mm to select a channel and press .

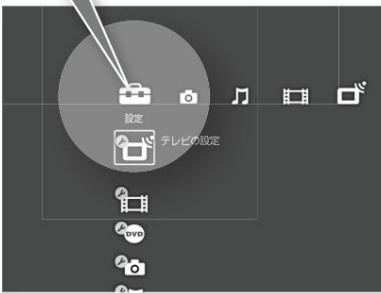
#### please note

- 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. In this case, please make settings so that you can receive NHK Educational TV.

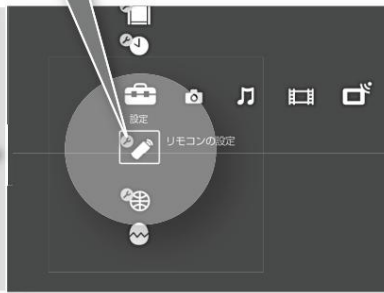


How to display the setting screen of the remote control

Step 1 Choose



Step 2 select and press



Remote control setting screen



Change the remote control mode

Operate two or more "PSX" units with one remote control the remote control mode of the unit when you want to set the mode.

- 1 Use Mm to select [Remote control mode] from the remote control setting screen, then press .
- 2 Use Mm to select the remote control mode and press .

vinegar.

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

At the same time, switch the remote control mode of the remote control.

Making settings for playing games with the supplied remote c

You can play games using the remote control that comes with this unit.

Make settings for enjoying

- 1 Use Mm to select [Game Play Features] from the game settings screen and press .
- 2 Use Mm to select the item you want to set and press .

vinegar.

Item list

enter

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

cut

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 it is set to " On", the remote control may not be able to operate the "PlayStation 2" standard software or "PlayStation" standard software correctly. I have. In that case, set it to "Off".

# Other settings

## 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.

must be connected to the network. This section describes how to connect the unit to a network.

Describes how to connect to

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

Please complete the contract with your service provider.

In addition, depending on the Internet service of the cable TV company, MAC address notification may be required. 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

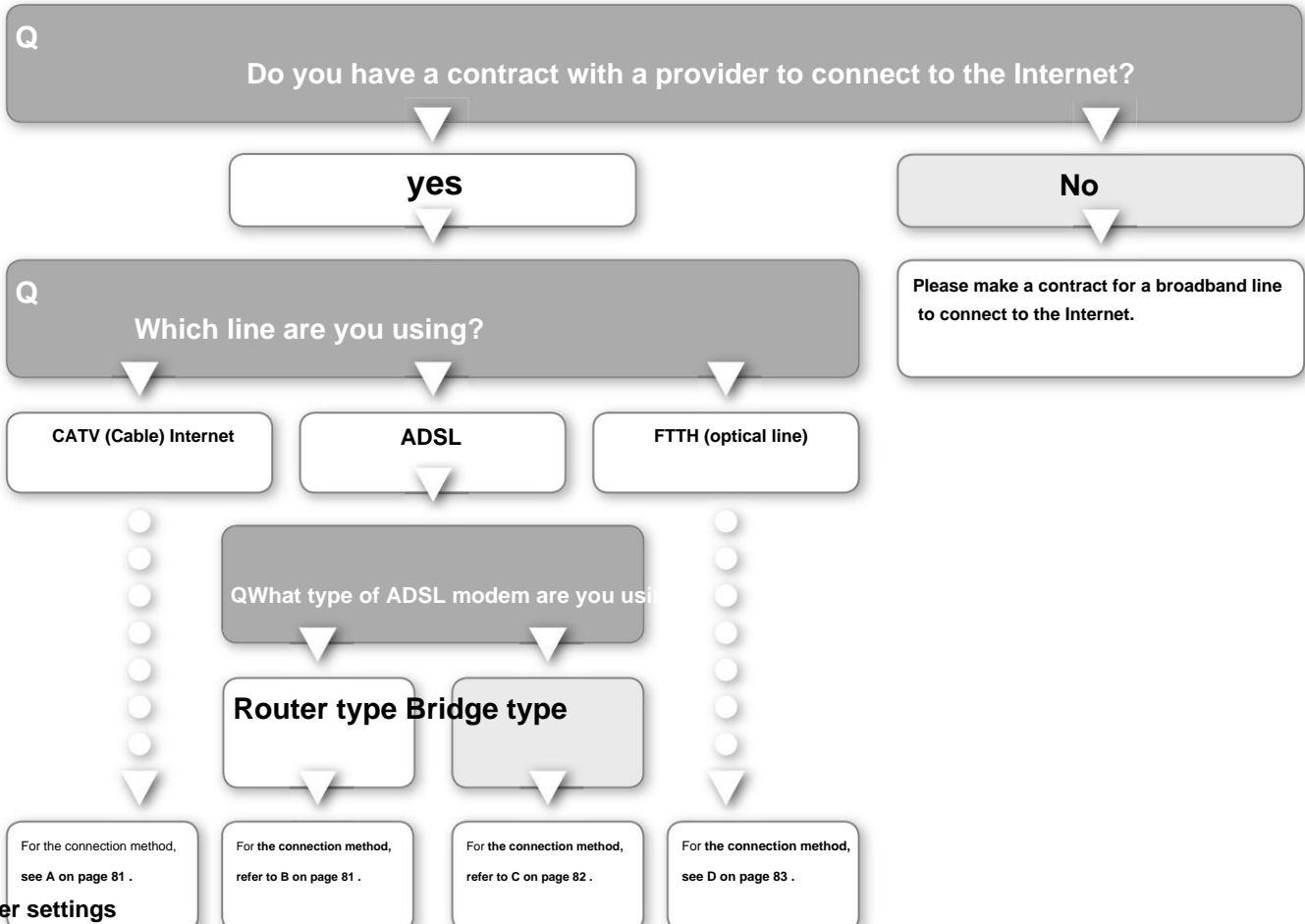
please give me.

#### please note

- Dial-up and ISDN connections cannot be used.

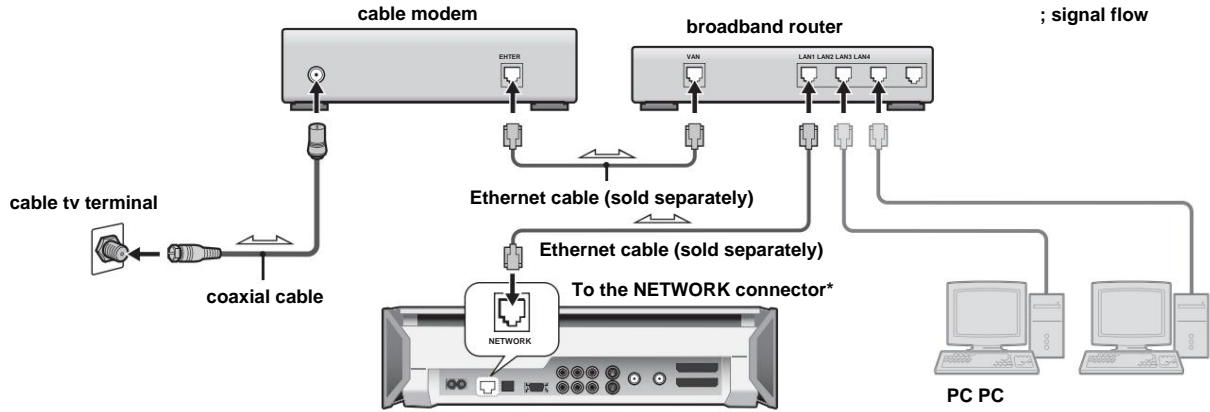
- Depending on the service provided by the Internet service provider, the connection may be A computer may be required when setting up the connection environment or setting up the network. Check before connecting and setting the network.

- 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.

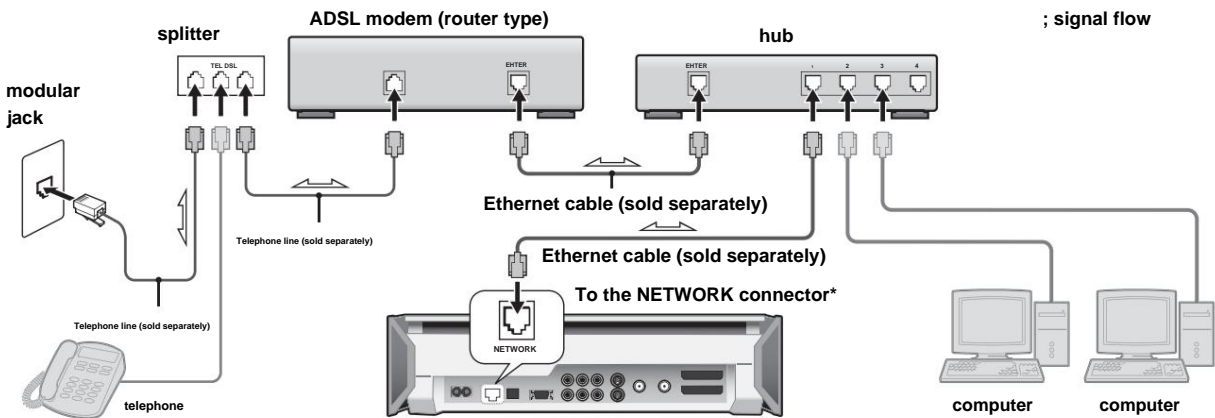


- When connecting only this unit to the Internet, connect this unit directly to the cable modem.
- Some cable TV companies do not allow the connection of broadband routers.  
Please check with your cable TV company in advance.

\* 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.

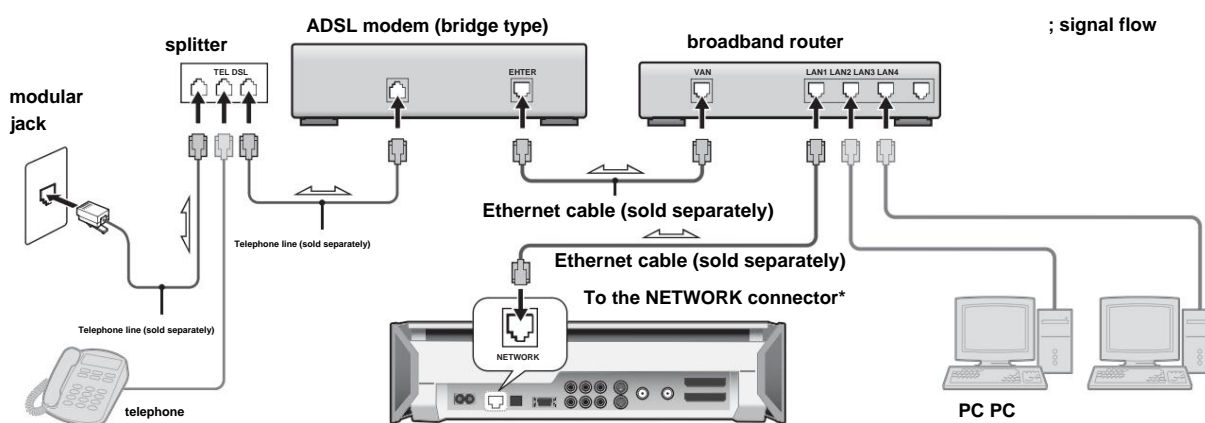
\* Do not connect a telephone line to the NETWORK terminal. It will be the cause of the failure. NETWORK  
When connecting an Ethernet cable to the terminal, remove the terminal seal before connecting.

# Other settings

## 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

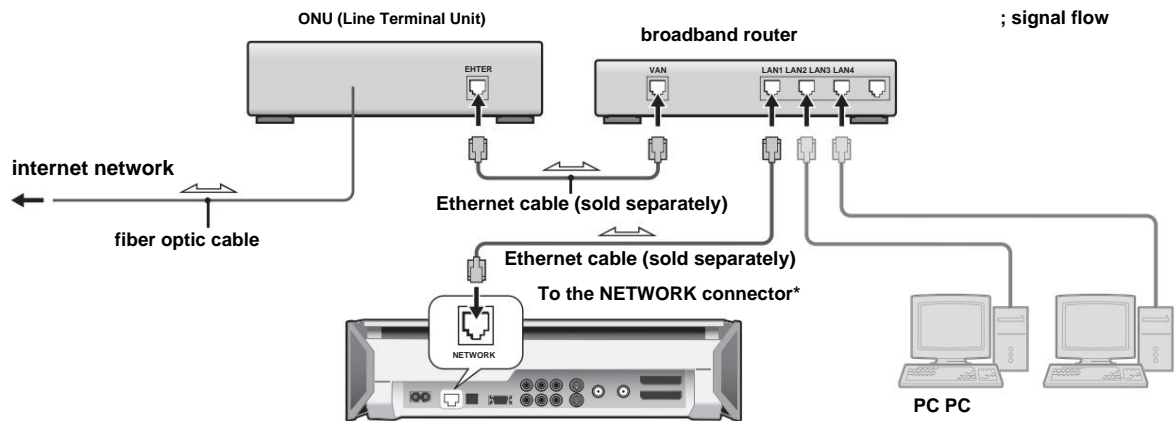
PPPoE of this unit may be used when connecting directly. For details, contact your Internet service provider.

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.

## 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.



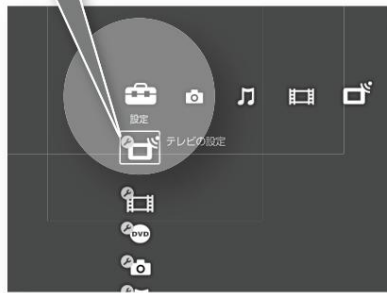
•When connecting only this unit to the Internet, connect this unit and ONU (line terminating unit) directly. •The PPPoE of this unit may be used when connecting directly. For details, contact your Internet service provider. Please confirm.

•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.

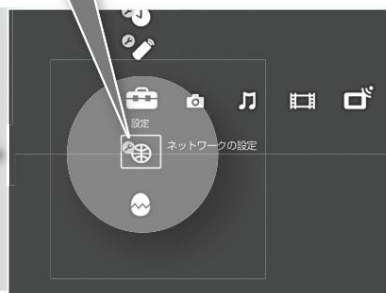
# Other settings

## How to display the network setting screen

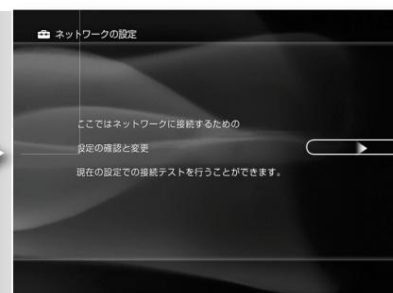
### Choose Step 1



### Select Step 2 and press



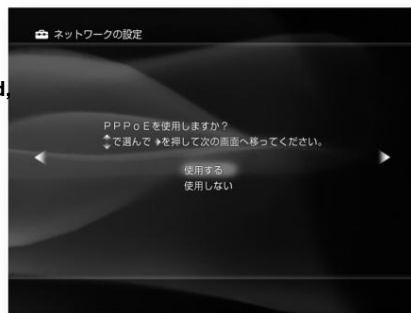
### Network setting screen



## Step 2 Set the network

When the network setting screen is displayed, follow the instructions on the screen to set.

### "Check PPPoE"



Select "Use" when connecting to the Internet using PPPoE with this unit.

increase.

Connect to network without PPPoE or when using the router instead of this unit.

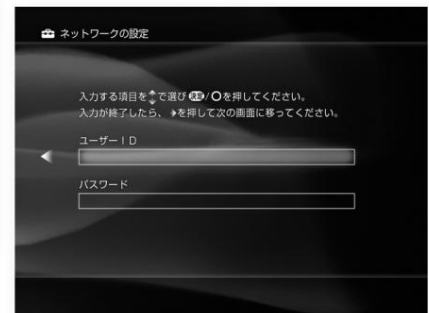
When using the PPPoE function, select "Use" Please select No.

PPPoE settings depend on the Internet connection For details, please contact your Internet service provider (provider).

when.

### If you select "Use"

The PPPoE setting screen is displayed as follows will be



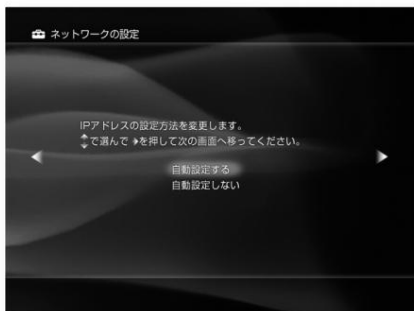
### Items to be set

•Enter your user ID and password:

#### user to use PPPoE

Please enter your ID and password. The user ID and password you enter 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.

### "Check IP Address"



Check how to set the IP address.

the IP address you use from your provider

If specified, "Don't auto-configure"

Please select

When connecting to the Internet, the IP address

If assigned automatically or if your

the IP address automatically from your router

If assigned, select "Set automatically"

Please choose.

For more information about IP addresses, refer to your

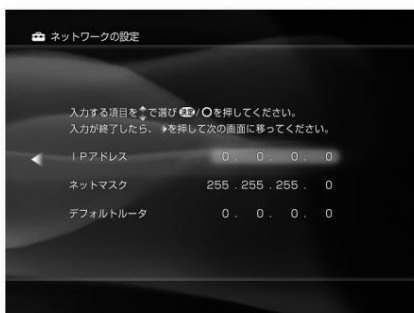
Please contact your provider.

When "Do not set automatically" is selected

IP address, netmask, default

The screen for setting the router etc. is as follows.

is displayed as



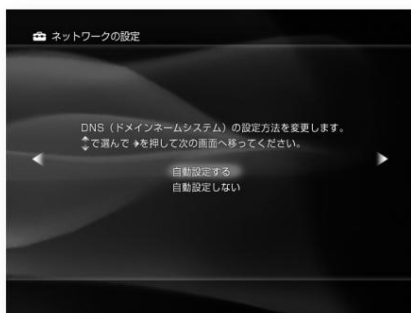
Items to be set

•IP address: Enter the IP address provided by your provider .

•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.

### "Check DNS"



Check how the DNS is set.

DNS address to use from your provider

is specified, the "Auto-configure"

Please select "No" . DNS

address when connecting to the Internet

automatically assigned by the provider

If you can, select "Set automatically" .

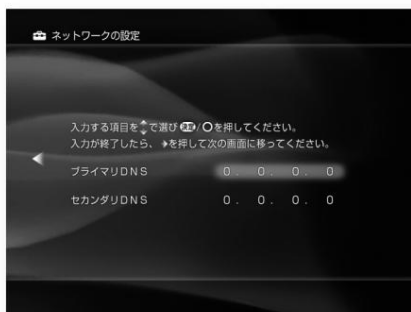
For more information about DNS, see your

Please contact Ida.

When "Do not set automatically" is selected

The screen for setting the DNS appears as shown below.

is shown.



Items to be set

•Primary DNS: Enter the primary DNS provided by your provider .

•Secondary DNS: Enter the secondary DNS specified by your provider .

Terminology used in network configuration depends on your provider It is called differently as follows. Learn more from your provider Please see the materials, etc.

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

# others

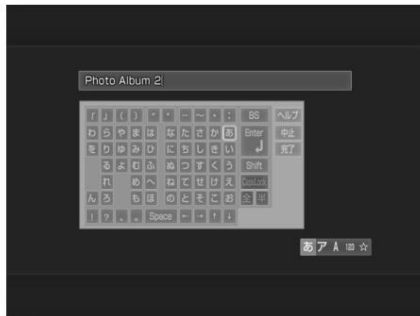
## How to use the keyboard

You can enter characters using the keyboard displayed on the screen of this unit.  
do. 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.

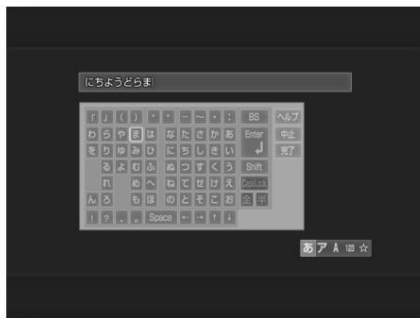
Press.

followed by ``chi'', ``yo'', ``u'', ``to'', ``'', ``ra'',

Enter "ma". When you make a mistake [BS]

Select and press.

#### Step2

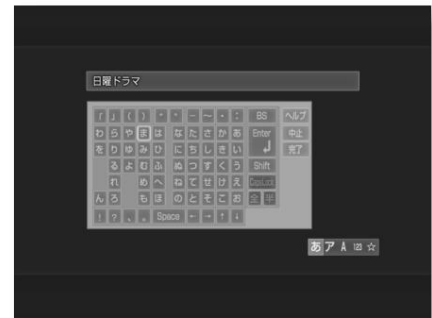


△ Press.

Converts to "Sunday drama". other conversions

Press again to select the complement.

#### 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

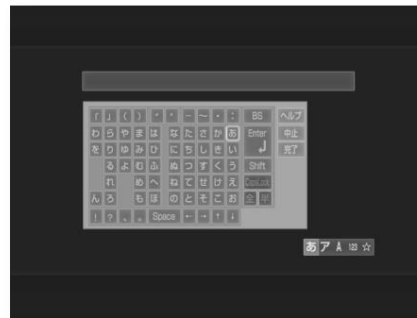
Character input keyboard ÷ number input keyboard ÷ symbol input screen

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 ÿ, press <.

Mm to select [Shift] on the keyboard. Typing a small letter switches to the large letter keyboard.

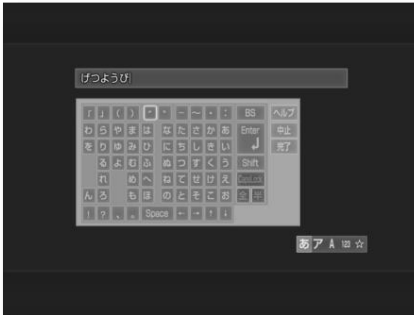


To convert to kanji, etc.

**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. **決定**  
Typing one small letter switches to the large letter keyboard.  
will be replaced.

### To enter half-width characters

Use <, Mm to select on the keyboard **全半** and press to enter half-width characters.

You can choose

**全半** Select to return to full-width.

## 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 **決定**  
You can enter.

Typing a single uppercase letter switches to a lowercase keyboard.  
increase.

#### When entering capital letters continuously

Use <, Mm to select [Caps Lock] on the keyboard and press **決定** 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 **全半** and press to enter double-byte characters.

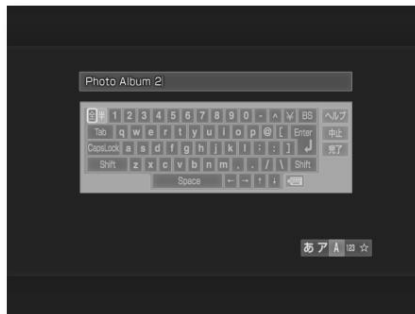
You can choose

**全半** Select to return to half-width.

### To change the keyboard layout, select

with <, Mm and press **決定**.

Select again to return to the original array.



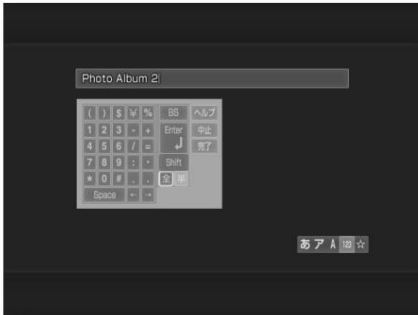
# others

## How to use the keyboard (continued)

### 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 select double-byte characters.

**全半** Select to return to half-width.

### Symbol input keyboard

Press the L1 button on the remote control to display the following keyboard.

vinegar.



## 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 this unit, "Memory Stick"

Images were recorded on the "Tick", and the instruction manual of the device that edited it was also included.

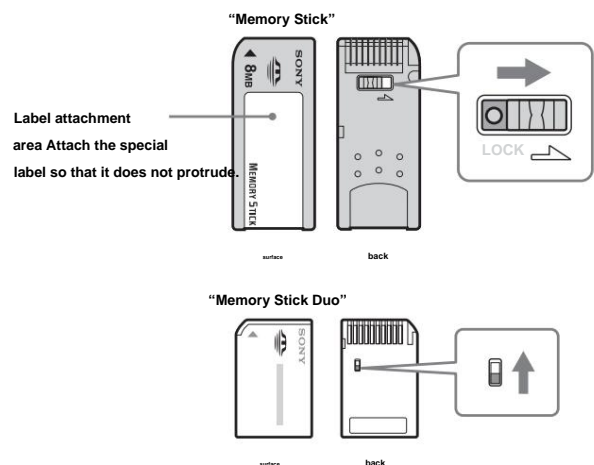
Please take a look.

This unit supports the following "Memory Stick".

Memory stick type	logo	reproduction
"Memory Stick" (including those with memory select function)	MEMORY STICK	
"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 Data recorded on the "Memory Stick" may be destroyed

Please note that we do not guarantee the contents of any case. important day

We recommend that you keep a backup.

•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

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## 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.

## 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 Levi broadcast. This unit

Receive table data several times a day and display 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 just by performing simple settings.

available. Using program information from G-GUIDE

mark is sometimes displayed.

**please note**

• The service may not be available depending on the area where you live or signal conditions. It may have.

• 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 provided by Interactive Program Co., Ltd.

It is mainly provided by Ram Guide. Program guide data

Interactive Program Guide and Broadcast Co., Ltd.

Data may not be sent due to the circumstances of the station (host station).

I will.

## G-Guide Service Area

Program guide data using the G guide system is available from the following broadcasting stations. (as of December 2003).

• Hokkaido area - Hokkaido Broadcasting Corporation (HBC)

• Tohoku area - Aomori TV (ATV), Akita TV (AKT), Iwate Broadcasting (IBC), TV You Yamagata (TUY), Tohoku Broadcasting (TBC), TV You Fukushima (TUF)

• Kanto area - Tokyo Broadcasting System (TBS)

• 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)

• Kinki area - Mainichi Broadcasting System (MBS), Asahi Broadcasting System (ABC)

• Chugoku/Shikoku area - Sanyo Broadcasting (RSK), Chugoku Broadcasting (RCC), Television Yamaguchi (TYS), Sanin Broadcasting (BSS), Ai Television (ITV), Television Kochi (KUTV)

• Kyushu/Okinawa region •RKB Mainichi Broadcasting (RKB), Nagasaki Broadcasting (NBC), Oita Broadcasting (OBS), Kumamoto Broadcasting (RKK), Miyazaki Broadcasting (MRT), South Japan Broadcasting (MBC), Ryukyu Broadcasting

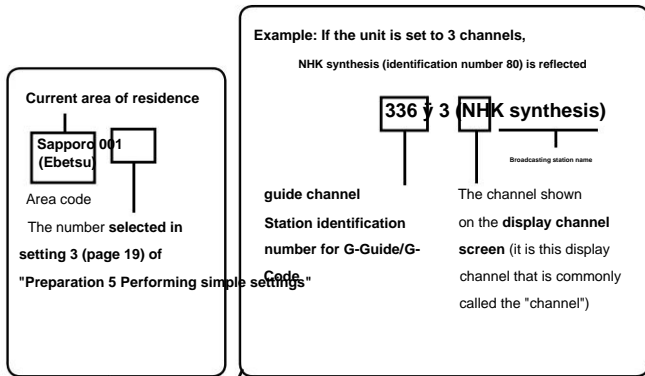
# others

## List of guide channels

### G-Guide/G-Code Area Number/Broadcasting Station

Table Data of the program guide is being sent from the broadcasting station (host station) with "j" ( as of December 2003).

### How to read characters in the table



Prefecture	Prefecture	region number	Guide channels and display channels of broadcasting stations that can be reserved with G-guide/G-code (abbreviated broadcasting station names)
Hokkaido	001	Sapporo (Ebetsu)	336j3 (NHK synthesis) 34j12 (NHK Education)
			257y1 (Hokkaido Broadcasting) 261j5 (Sapporo Television) 283j27 (Hokkaido Cultural Broadcasting) (Television Hokkaido)
			291y35 (Hokkaido Broadcasting) (Television Hokkaido)
			273j17
			336y11 257y9 (NHK General) 346j2 (NHK Education)
			291y4 273y24 (Hokkaido Broadcasting) (Sapporo Television)
			336y9 257y11 (Hokkaido Broadcasting) (Hokkaido Cultural Broadcasting)
			291y39 (Hokkaido Television) (Television Hokkaido)
			273j33 336y4 (NHK General) 346j2 (NHK Education)
			257y10 (Hokkaido Broadcasting) (Sapporo Television)
			291y24 (Hokkaido Broadcasting) (Hokkaido Cultural Broadcasting)
			273j33 336y7 (Hokkaido Television) (Television Hokkaido)
			28 257y10 (NHK General) 346j12 261j6 (NHK Education)
			291y24 (Hokkaido Broadcasting) (Sapporo Television)
			273j33 336y9 (Hokkaido Broadcasting) (Hokkaido Cultural Broadcasting)
			257y11 (Hokkaido Television) (Television Hokkaido)
Otaru	002		291y39 (NHK General) 346j30 (NHK Education)
			273y29 (Hokkaido Broadcasting) (Sapporo Television)
			336y51 (Hokkaido Broadcasting) (Hokkaido Cultural Broadcasting)
			257y55 (Hokkaido Television) (Television Hokkaido)
Asahikawa	003		291y61 (NHK General) 346j2 (NHK Education)
			273y47 336y4 (Hokkaido Broadcasting) (Sapporo Television)
			257y6 291y35 (Hokkaido Broadcasting) (Hokkaido Cultural Broadcasting)
			273y21 336y4 (Hokkaido Television) (Television Hokkaido)
Nayoro	004		257 y6 (NHK General) 346j49 (NHK Education)
			291y34 (Hokkaido Broadcasting) (Sapporo Television)
			Kushiro 010 (Hokkaido Broadcasting) (Hokkaido Cultural Broadcasting)
			336y9 257y11 (Hokkaido Television) (Television Hokkaido)
Muroran	006		291y39 (NHK General) 346j10 (NHK Education)
			273y29 (Hokkaido Broadcasting) (Sapporo Television)
			Abashiri 011 (Hokkaido Broadcasting) (Hokkaido Cultural Broadcasting)
			336j3 257y1 (Hokkaido Television) (Television Hokkaido)
Tomakomai	007		291y35 (NHK General) 346j12 (NHK Education)
			Kitami 012 (Hokkaido Broadcasting) (Sapporo Television)
			336y9 257y53 (Hokkaido Broadcasting) (Hokkaido Cultural Broadcasting)
			261j7 283y41 (Hokkaido Television) (Television Hokkaido)
Hakodate	008		(NHK General) 346j12 261j5 (NHK Education)
			(Hokkaido Broadcasting) (Sapporo Television)
			(Hokkaido Broadcasting) (Hokkaido Cultural Broadcasting)
			(Hokkaido Television) (Television Hokkaido)
Obihiro	009		(NHK General) 346j12 261j5 (NHK Education)
			(Hokkaido Broadcasting) (Sapporo Television)
			(Hokkaido Broadcasting) (Hokkaido Cultural Broadcasting)
			(Hokkaido Television) (Television Hokkaido)
291j61			(NHK General) 346j12 261j5 (NHK Education)
			(Hokkaido Broadcasting) (Sapporo Television)
			(Hokkaido Broadcasting) (Hokkaido Cultural Broadcasting)
			(Hokkaido Television) (Television Hokkaido)
Gunma	Maebashi (Iesaki/Takasaki)		(NHK General) 346j12 261j5 (NHK Education)
			(Hokkaido Broadcasting) (Sapporo Television)
			(Hokkaido Broadcasting) (Hokkaido Cultural Broadcasting)
			(Hokkaido Television) (Television Hokkaido)

Aomori	Aomori (Hirosaki)	013 592j3 513y1 (NHK General) 602y5 (NHK education)
		290y34 (Aomori Broadcasting) (Aomori Asahi Broadcasting) 294y38 (Aomori TV)
		Hachinohe (NHK General) 602y7 (NHK education)
		015 592y4 513y10 (Aomori Broadcasting) (Aomori Asahi Broadcasting) 294y33 (Aomori TV)
290y56 Iwate Morioka		016 848y4 (NHK General) 602y12 (NHK education)
		262y6 289y33 (Aomori Broadcasting) (Aomori Asahi Broadcasting) 294y58 (Aomori TV)
		Kamaishi (NHK General) 858y8 (NHK Education)
		(Iwate Broadcasting) (Iwate Menkoi Television) 547y35 (TV Iwate) (Iwate Asahi Television)
017 848y2 262 y10 289y60		(NHK General) 858j12 (NHK Education)
		(Iwate Broadcasting) (Iwate Menkoi Television) 547y58 (TV Iwate) (Iwate Asahi Television)
		Ninohe 018 848y5 262y2 289y29 (NHK General) 858j12 (NHK Education)
		Miyagi (Iwate Broadcasting) (Iwate Menkoi Television) 547y37 (TV Iwate) (Iwate Asahi Television)
1104j3 769y1 546j34 Ishinomaki 020		(NHK General) 1114y5 (NHK Education)
		1104y51 (Tohoku Broadcasting) (Miyagi Television) 268j12 (Sendai Broadcasting) (East Japan Broadcasting)
		769y59 (NHK General) 1114y49 (Sendai Broadcasting) (Tohoku Japan Broadcasting) 268j12 (Sendai Broadcasting)
		546y55 Kesennuma 021 1104y2 (NHK General) 1114y49 (Sendai Broadcasting) (Tohoku Japan Broadcasting) 268j12 (Sendai Broadcasting)
022 1360y 9 267y11 287y31 Odate		(NHK General) 1114y10 (Sendai Broadcasting)
		023 1360y4 (Tohoku Broadcasting) (Miyagi Television) 267y6 287y59 (Miyagi Television)
		(NHK General) 1370y2 (Akita Television) (Akita Broadcasting) (Akita Asahi Broadcasting)
		(NHK General) 1370y8 (NHK education) (Akita Broadcasting) 293y57 (Akita TV)
(Akita Asahi Broadcasting) Omagari 024 600y45		1370y43 (NHK education)
		267y47 (Akita Broadcasting) (Akita Asahi Broadcasting) 293y51 (Akita Television)
		267y47 (Akita Broadcasting) (Akita Asahi Broadcasting) 293y51 (Akita Television)
		Asahi Broadcasting (Akita) 267y47 (Akita Broadcasting) (Akita Asahi Broadcasting) 293y51 (Akita Television)
010		(NHK General) 1626y4 (NHK education)
		(Yamagata Broadcasting) 266y38 (Yamagata TV)
		Yamagata 022 292y36 (Yamagata Broadcasting) (Yamagata TV)
		286y30 (Yamagata Broadcasting) (Sakurambo TV)
Tsuruoka (Sakata)		026 1616y3 266y1 (NHK General) 1626y6 (NHK education)
		292y22 (Yamagata Broadcasting) (Yamagata TV)
		550y39 (Yamagata Broadcasting) (Sakurambo TV)
		Yonezawa 027 1616y52 (NHK General) 1626y50 (NHK education)
Fukushima	Fukushima (Koriyama)	266y54 (Yamagata Broadcasting) (Yamagata TV) 550y58 (Yamagata Broadcasting) (Sakurambo TV)
		028 1872y 9 523y11 (NHK General) 1882y2 (NHK Education)
		803y35 (Fukushima Television) 545y33 (Fukushima Central Television) (TV You Fukushima)
		Iwaki 029 (Fukushima Broadcasting) 543y31 (Fukushima Broadcasting)
1872y4 523y8 803y60		(NHK General) 1882y10 (Fukushima Education) (Fukushima Television) 545y58 (TV You Fukushima)
		(Fukushima Broadcasting) (Fukushima Broadcasting)
		(Fukushima Broadcasting) (Fukushima Broadcasting)
		(Fukushima Broadcasting) (Fukushima Broadcasting)
Aizuwakamatsu 030 1872y1		(NHK General) 1882y3 (NHK Education)
		523y6 (Fukushima Television) 545y37 (Fukushima Central Television) (TV You Fukushima)
		803y41 (Fukushima Broadcasting) 543y47 (Fukushima Broadcasting)
		(Fukushima Broadcasting) (Fukushima Broadcasting)
Ibaraki Mito 031 2128y44		(NHK General) 2138y46 (NHK Education)
		260y42 (Fuji TV) (Fuji TV) 518y40 (TV Asahi) (TBS TV) 500y99 (TV Asahi)
		(Tokyo Metropolitan Television) 2128y32 (Hitachi) 032
		2128y52
		(NHK General) Education) 2138y50 (NHK Education)
		260y54 (Fuji TV) (Fuji TV) (TV Asahi) 522y60 (TBS TV) 500y99 (TV Asahi)
		(Tokyo Metropolitan Television) 2128y46 (Hitachi) 032
		Utsunomiya 033 2128y29
		(NHK General) Education) 2138y27 (NHK Education)
		260y25 (Fuji TV) (Fuji TV) (TV Asahi) 518y23 (TV Asahi) (TBS TV) 500y99 (TV Asahi)
		(Tokyo Metropolitan Television) 2128y41 (Hitachi) 032
		Yaiza 034 2128 y51
		(NHK General) Education) 2138y49 (NHK Education)
		260y53 (Fuji TV) (Fuji TV) (TV Asahi) 518y55 (TV Asahi) (TBS TV) 500y99 (TV Asahi)
		(Tokyo Metropolitan Television) 2128y43 (Hitachi) 032
		2128y52
Gunma Maebashi (Iesaki/Takasaki)		(NHK General) 2138y50 (NHK Education)
		260y54 (NHK General) 518y56 (TBS TV) (TV Asahi)
		264y58 (Nippon TV) 522y60 (Tokyo Metropolitan Television)
		524y62 (Fuji TV) (TV Tokyo) (TV)
Saitama Kiryu 036 2128y43		(NHK General) 2138y45 (NHK Education)
		260y39 (Nippon Television) 518y37 522y33 (TBS TV) (TV Asahi)
		304y41 (Nippon Television) 524y31 806y38 (TV Tokyo) (TV Saitama)
		270y14 (Tokyo Metropolitan Television)



# others

## List of guide channels (continued)

Region	City	Station Name	Channel	Service
Toyoashi (Toyoashi)	074 4176	54 (Chubu Nippon Broadcasting)	NHK General	Education 4106750 (Tokai Television)
			NHK General	Education 4106750 (Tokai Television)
			NHK General	Education 4106750 (Tokai Television)
			NHK General	Education 4106750 (Tokai Television)
Akashi (Kakogawa)	516	53 (Mainichi Broadcasting)	NHK General	Education 1030737 (Yomiuri TV)
			NHK General	Education 1030737 (Yomiuri TV)
			NHK General	Education 1030737 (Yomiuri TV)
			NHK General	Education 1030737 (Yomiuri TV)
Gojo 092	4432	50 (Mainichi Broadcasting)	NHK General	Education 4442750 (Asahi TV)
			NHK General	Education 4442750 (Asahi TV)
			NHK General	Education 4442750 (Asahi TV)
			NHK General	Education 4442750 (Asahi TV)
Kyoto (Uji)	081 4432	2 (Mainichi Broadcasting)	NHK General	Education 4442750 (Asahi TV)
			NHK General	Education 4442750 (Asahi TV)
			NHK General	Education 4442750 (Asahi TV)
			NHK General	Education 4442750 (Asahi TV)

Hyogo Kobe	085 4432	28 (NHK General)	516y18 (Mainichi Broadcasting)	4442y26 (NHK Education)
			516y36 (Sun TV)	778y24 (Yomiuri TV)
			516y54 (NHK General)	1030y56 (Yomiuri TV)
			548y62 (Kawanishi)	275y19 (TV Osaka)
Kobe Nada	086 4432	52 (Mainichi Broadcasting)	520y39 (Sun TV)	275y19 (TV Osaka)
			548y62 (Kawanishi)	275y19 (TV Osaka)
			548y62 (Kawanishi)	275y19 (TV Osaka)
			548y62 (Kawanishi)	275y19 (TV Osaka)
Akashi (Kakogawa)	516	53 (Mainichi Broadcasting)	516y53 (Mainichi Broadcasting)	4442y12 (NHK Education)
			548y62 (Kawanishi)	4442y12 (NHK Education)
			548y62 (Kawanishi)	4442y12 (NHK Education)
			548y62 (Kawanishi)	4442y12 (NHK Education)
Gojo 092	4432	50 (Mainichi Broadcasting)	516y4 (Mainichi Broadcasting)	1030y35 (Yomiuri TV)
			311y41 (Kyoto Television)	275y19 (TV Osaka)
			Wakayama Wakayama	275y19 (TV Osaka)
			Wakayama Wakayama	275y19 (TV Osaka)
Kainan and Tanabe	094 4432	50 (Mainichi Broadcasting)	520y60 (TV Wakayama)	1030y58 (Yomiuri TV)
			095 468y3 (Tottori Tottori)	1030y58 (Yomiuri TV)
			095 468y3 (Tottori Tottori)	1030y58 (Yomiuri TV)
			095 468y3 (Tottori Tottori)	1030y58 (Yomiuri TV)
Okayama Okayama (Kurashiki)	098 520	05 (Sanyo Broadcasting)	Setouchi 279y23 (San-in Broadcasting)	5210y3 (Okayama TV)
			Tsuyama 099 520y2 (Broadcasting)	5210y3 (Okayama TV)
			Tsuyama 099 520y2 (Broadcasting)	5210y3 (Okayama TV)
			Tsuyama 099 520y2 (Broadcasting)	5210y3 (Okayama TV)
Fukuyama	102 545	6 (NHK General)	772y4 (China Broadcasting)	780y14 (NHK Education)
			2083y35 (China Broadcasting)	780y14 (NHK Education)
			2083y35 (China Broadcasting)	780y14 (NHK Education)
			2083y35 (China Broadcasting)	780y14 (NHK Education)
Hiroshima Home TV	103 083	0 (NHK General)	772y10 (China Broadcasting)	780y14 (NHK Education)
			772y10 (China Broadcasting)	780y14 (NHK Education)
			772y10 (China Broadcasting)	780y14 (NHK Education)
			772y10 (China Broadcasting)	780y14 (NHK Education)
Kure 104	545	6 (China Broadcasting)	Home Television 1055y26 (Yamaguchi)	780y5 (TV Hiroshima)
			Home Television 1055y26 (Yamaguchi)	780y5 (TV Hiroshima)
			Home Television 1055y26 (Yamaguchi)	780y5 (TV Hiroshima)
			Home Television 1055y26 (Yamaguchi)	780y5 (TV Hiroshima)
5712	39	0 (Tokuyama Broadcasting)	2059y28 (Yamaguchi)	1318y38 (Yamaguchi)
			2059y28 (Yamaguchi)	1318y38 (Yamaguchi)
			2059y28 (Yamaguchi)	1318y38 (Yamaguchi)
			2059y28 (Yamaguchi)	1318y38 (Yamaguchi)
5712	16	0 (NHK General)	2059y28 (Yamaguchi)	1318y38 (Yamaguchi)
			2059y28 (Yamaguchi)	1318y38 (Yamaguchi)
			2059y28 (Yamaguchi)	1318y38 (Yamaguchi)
			2059y28 (Yamaguchi)	1318y38 (Yamaguchi)
5712	9	0 (NHK General)	2059y11 (Yamaguchi)	5722y1 (NHK Education)
			2059y11 (Yamaguchi)	5722y1 (NHK Education)
			2059y11 (Yamaguchi)	5722y1 (NHK Education)
			2059y11 (Yamaguchi)	5722y1 (NHK Education)

Tokushima Tokushima 109		Guide channels and display channels of broadcasting stations that can be reserved with G-guide/G-code (Broadcasting station names are in Japanese)	
5968	1793 y 1 1030 y 6	(NHK synthesis) (Mainichi Broadcasting) y 516 Takamatsu 110 6224 y 37	5978 y 38 (Shikoku Broadcasting) 516 (Asahi Broadcasting) 516 (NHK Education)
		(NHK synthesis) Broadcasting) y 6234 y 39 (Seton)	6234 y39 (Seton) (NHK Education) 1803 y 18 (TV Seton) y 22 6480 y 6 Ehime Matsuyama 112
		(NHK General) Broadcasting) 1803 y 18 (TV Seton) y 22 6480 y 6 Ehime Matsuyama 112	6234 y40 (West Japan) (NHK Education) y20 (Okayama Broadcasting) y 22
		(NHK General) Broadcasting) 1803 y 18 (TV Seton) y 22 6480 y 6 Ehime Matsuyama 112	6490 y 2 (Ehime) (NHK Education) (Ehime Asahi Television) y 793 y 25
		(NHK General) Broadcasting) 1803 y 18 (TV Seton) y 22 6480 y 6 Ehime Matsuyama 112	6490 y 4 (Ehime) (NHK Education) (Ehime Asahi Television) y 793 y 14
		(NHK General) Broadcasting) 1803 y 18 (TV Seton) y 22 6480 y 6 Ehime Matsuyama 112	6490 y30 (Ehime) (NHK Education) Asahi Television y 793 y 6 (Ehime TV) y 541 y 27
Uwajima	115 6480 y 6	(NHK General) 1290 y 10 (Nankai) y 34	6490 y 1 (NHK Education) 1317 y32 (Ehime) (NHK Education) Television) 793 y 16
Kochi Kochi	116 6736 y 4	(NHK General) 776 y 8 (Kochi Broadcasting) y 117	6746 y 6 (NHK Education) 1574 y38 (TV Kochi) y
		(NHK synthesis) 1028 y 4 (RKB Mainichi West Japan) y 521 y 14 (TXN Kyushu)	7002 y 6 (NHK Education) 2049 y 1 (Kyushu Broadcasting) 1573 y 37 (Fukuoka Broadcasting)
Kurume	118 6992 y 46	(NHK synthesis) Broadcasting) y 531 y 14 (TXN Kyushu)	7002 y54 (Kyushu) (NHK Education) y57 (Fukuoka Broadcasting) y 520 y 52
		(NHK synthesis) Broadcasting) y 531 y 19 (TXN Kyushu)	7002 y50 (Kyushu) (NHK Education) y58 (Fukuoka Broadcasting) y 520 y 53
	y 6	(NHK synthesis) Broadcasting) y 531 y 23 (TXN Kyushu)	7002 y 12 (Kyushu) (NHK Education) y 2 (Fukuoka Broadcasting) y 520 y 95
	y 49	(NHK synthesis) 1028 y 60 (RKB Mainichi Broadcasting) y 531 y 19 (TXN Kyushu)	7002 y46 (NHK Education) 2049 y57 (Kyushu Asahi Broadcasting) (Fukuoka Broadcasting)
Saga Saga	122 7760 y 38	(NHK General) 804 y 36 (Saga TV) y 1028 y 48 (RKB Mainichi Broadcasting) y	7770 y40 (NHK Education) 2315 y11 (Kumamoto Broadcasting) 531 y14 (TXN Kyushu) 2049 y 57 (Kyushu Broadcasting)
Nagasaki Nagasaki	123 7248 y 3	(NHK General) 539 y 27 (Nagasaki Broadcasting) y	7258 y 1 (NHK Education) 1829 y37 (TV Nagasaki) (Nagasaki Television) 1049 y25
	(Nagasaki Cultural Broadcasting) Sasebo	(NHK General) 1285 y 10 (Nagasaki Broadcasting) y 539 y 31 (Nagasaki Broadcasting)	7258 y 2 (NHK Education) 1829 y35 1049 (TV Nagasaki) y17 7258 y45 (Nagasaki International Television)
	Isahaya 125 7248 y 47	(NHK General) 1285 y 49 (Nagasaki Broadcasting) y 539 y 24 (Nagasaki Broadcasting)	1829 y42 1049 (NHK Education) y20 7514 y 2 (TV Nagasaki) 1570 y34 528 (Nagasaki International Television)
Kumamoto Kumamoto	126 7504 y 9	(NHK General) Broadcasting) y 278 y 22 (Kumamoto Kenmin TV)	y16 8026 y12 (NHK Education) 1060 y36 (TV Kumamoto) (Kumamoto Asahi Broadcasting)
Oita Oita (Beppu)	127 8016 y 3	(NHK General) Broadcasting) y 128 8016 y 48	(NHK education) (TV Oita)
		(NHK General) Broadcasting) y 280 y 17 (Miyazaki Broadcasting)	8026 y45 (TV Oita) (NHK Education)
	y 8	(NHK General) 1546 y 10 (Miyazaki Broadcasting) y 8282 y 4 (NHK General)	8282 y12 (NHK education) 2339 y35 (TV Miyazaki) 8282 y 2 (TV Miyazaki) (NHK Education)
Kagoshima Kagoshima	131 8528 y 3	(NHK General) Broadcasting) y 32 Akune 132	8538 y 5 (Kagos) (NHK Education) Yomiuri Television y 801 y 38 (Kagos) 800
		(NHK General) Broadcasting) y 800 y 33 (Mimoza 133)	8538 y12 (Kagos) (NHK Education) Yomiuri Television y 801 y 38 (Kagos)
	8528 y 4	(NHK General) Broadcasting) y 31 Okinawa Broadcasting)	8538 y 2 (Kagos) (NHK Education) Yomiuri Television y 801 y 38 (Kagos) y12
		(NHK General) 1802 y 10 (Ryukyus) (Asahi Broadcasting)	(NHK education) 1032 y 8 (Okinawa TV)

# others

## Precautions for use

### 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.


### How to clean the main unit

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

### 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.

### 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 be aware of each other by closing the windows, using headphones, etc., to maintain a pleasant living environment.  is a symbol of sound etiquette.

### Cleaning discs

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

## Is it a malfunction? If you think

Please check again before sending for repair. still normal

If it does not work, contact your dealer or customer service center. (back cover).

When consulting with us, please let us know the following:

"PSX" model name: D <sup>DEASR</sup> ESR-7000

<sup>DEASR</sup> ESR-5000

Remote control model <sup>RM tea</sup> <sup>Pea</sup> MT-P00 1

name: RFailure situation: As detailed as

possible Date of purchase:

### Self-diagnostic display

This unit has a self-diagnostic display function. This is different for this machine.

When an emergency occurs, the lamp on the main unit flashes to inform you of the unit's status.

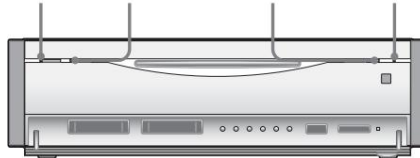
In order to provide a smoother service response,

It's a function. When the flashing status of the lamp on the main unit corresponds to the following,

Contact the retailer from whom you purchased the product or Customer Service Center to check the status of the blinking.

please let me know

≠/1 (Power) Lamp Z (eject) lamp HDD REC lamp DISC REC lamp



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

Symptoms of "PSX" and how to deal with them

power supply	can not turn on. c Make sure the power cord is firmly inserted.
	Please check if

image	
no video, Disturbed.	<p>c Make sure that the connection cord plug is firmly inserted. Please check if it is included.</p> <p>c Check if the connection cord is broken. please.</p> <p>c Input from which the TV is connected to the video, etc.). c When connecting to a TV that does not support the progressive format, do not set progressive output to "On". please leave</p> <p>c Progressive (525p) format is also supported on TVs. The image may be distorted when I will. c</p> <p>If the video output of this unit is connected to a TV via a VCR or to a TV with integrated video, some The copy protection signal used in DVD-Video can adversely affect image quality. is possible. If you have problems with picture quality even when you connect this unit directly to your TV, try using the TV's S</p> <p>Connect to the video input terminal ( page 14).</p> <p>c Due to the characteristics of hard disks, very rarely The image may be distorted. due to malfunction there is no.</p> <p>c Connect the video input and video output terminals incorrectly. Please check if it continues.</p> <p>c BS-IF input terminal and VHF/UHF input terminal is not connected in reverse. please.</p>

tv channel can change the flannel do not have.	<p>c Connect the antenna wire correctly (page 14).</p> <p>c channel is set to skip select a station from the home menu. (page 66). c If external input is</p>
Input terminal of this unit device connected to can't see the image of stomach.	<p>selected in the home menu, Please check if</p> <p>c Using the S video terminal to connect to the external input terminal of this unit connected to the TV, the setting screen of the TV Set [External video input] on the screen to [S video] (page 66).</p>
Reproduced in the form of the image set in "TV type" in the screen settings. I can't live The	<p>c Select a disc with a fixed image shape. is playing.</p>
aspect ratio of the screen is wrong.	<p>c Match the image to the aspect ratio of the TV. Sai (page 76).</p>

TV/BS reception television broadcast is not displayed.	<p>c [Manual channel] on the TV setting screen Tune the channel manually in Settings (page 66).</p> <p>c Development of terrestrial digital television broadcasting "Analog frequency change" is performed along with the start In areas where the channel has been changed, is suspended, the program cannot be viewed. plug. Manually align the changed channel. (page 66).</p>
received by this machine television broadcast image is dirty.	<p>c Adjust the direction of the antenna.</p> <p>c Separate the unit from the TV.</p> <p>c Twist up the antenna wire away from this unit. please give me.</p> <p>c If the signal is weak, use the optional antenna boot. Amplify the signal with a star.</p>
back or received on another device connected to this unit are distorted.	<p>c DVD player, VCR, etc.</p> <p>The software being played on the , or the signal received by the tuner (sold separately), contains a signal for copyright protection. player, tuner, etc. Disconnect the device from the system and connect it directly to the TV.</p>

# others

## Is it a malfunction? If you think (Continued)

BS broadcast program Not reflected.	<p>c Connect the BS antenna correctly. (page 14).</p> <p>c Adjust the direction of the BS antenna. (page 67).</p> <p>c Remove dust and snow from the BS antenna. please give me.</p> <p>c A WOWOW decoder is connected to this unit. cannot continue.</p>
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## Program guide (G-GUIDE)

Program guide is displayed. can't	<p>c 1 Even after connection and "Easy setting" are completed, the display will continue until the data of the program guide is received. It will not be. 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 .</p> <p>c Make sure the date and time are set correctly (page 78).</p> <p>c Program guide information cannot be obtained while recording.</p> <p>c If the reception of the broadcasting station that transmits program guide data (page 90) is poor, you may not be able to display the group table. c Wrong area code or guide channel is set. TV setting screen</p> <p>On the screen, set the correct area code in [Area code setting]. re-enter the number, then click [Auto Channel settings].</p> <p>c G-GUIDE program information transmission station or Pick up times may have changed. Set the correct station and time (page 67).</p> <p>c G-GUIDE program information transmission station or acquisition time has been changed to an incorrect setting. Redo "Easy Setup" again please. c If you are viewing on CATV (cable television), the cable television company's station</p> <p>Due to the internal equipment, the program guide information may not be retrieved. may not be obtained. For more information, contact your cable TV company. please</p> <p>c Depending on where you live, you may may not be received.</p>
--------------------------------------	--

Invisible release There is a sending station.	<p>c Wrong area code is set. In [Area code setting] on the TV setting screen, Please re-enter the correct area code.</p> <p>stomach.</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 displayed.</p>
program schedule updated can't	<p>c If reception is poor at the time of update, the latest You may not be able to receive the program guide.</p> <p>c Program guide information cannot be obtained while recording.</p> <p>c G-GUIDE program information transmission station or Pick up times may have changed. Set the correct radio station and time. (page 67). c If</p>
Some programs are not displayed in the program guide. be.	<p>the reception is poor, you may not be able to receive all program guide data. c Short programs (such as 5-minute programs) are not displayed in the hourly program guide. Use the channel listings ( page 29).</p>
Wrong station name is displayed.	<p>c Wrong area code is set. 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 /

reservation/editing can change the flannel do not have.	<p>c Select the channel you want to watch by switching the input on the TV. Please switch to Nell.</p>
x stop while recording press the button also stops recording. not.	<p>Are you pressing the cx stop button? x Press the stop recording button. (Effective only when watching TV) is. )</p>

Booked but recorded not drawn.	<p>c After reserving, select the reserved channel You may have skipped (page 66).</p> <p>c Images that contain copy protection 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 37).</p> <p>c Necessary for recording to hard disk Please check if there is enough free space (page 27).</p>	<p>Stop, fast forward/fast throw back</p> <p>Operations such as raw Can not.</p> <p>Change audio language Can not.</p>	<p>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.</p> <p>c Multiple audio languages on the DVD you are playing is recorded?</p> <p>c Prohibits switching of audio language Are you playing a DVD?</p> <p>c Operate from the DVD menu.</p> <p>c When recording to the hard disk Only one of main/sub audio can be played.</p>
previously recorded I'm exhausted there is	<p>c DVD disc recorded on a computer</p> <p>The contents of the disc will be erased when it is inserted into this unit. may be removed.</p>	<p>you can change the subtitles do not have.</p>	<p>c The DVD being played has multiple subtitles. is it recorded?</p> <p>c Change the subtitle or turn off the subtitle. Are you playing a prohibited DVD? Hmm?</p> <p>c Operate from the DVD menu. c Multiple</p>
<p>reproduction</p> <p>stomach.</p> <p>playback won't start</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 Disc is not upside down mosquito? Display the label side (not the playback side). (page 23).</p> <p>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 (10 pages)</p> <p>c DVDs with area codes that cannot be played on this unit is not inserted? (10 pages)</p> <p>c Playback is not possible if there is condensation (94 page).</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? (10 pages)</p>	<p>change angle can see Can not.</p>	<p>c The DVD being played has multiple subtitles. is it recorded?</p> <p>c Change the subtitle or turn off the subtitle. Are you playing a prohibited DVD? Hmm?</p> <p>c Operate from the DVD menu. c Multiple angles on the DVD you are playing is recorded?</p> <p>c DVDs that prohibit changing the angle are you playing?</p> <p>c Operate from the DVD menu.</p>
Playback starts from the beginning of the disc. not.	<p>c Insert a disc that automatically displays the title menu and DVD menu screens. Is ____ in?</p>	<p>No</p> <p>audio sound.</p>	<p>c Check that the connection cord plug is firmly inserted. c Check if the connection cord is broken. please.</p> <p>c Is it correctly connected to the input terminal of the amplifier? are you there?</p> <p>c Audio from this unit is output by switching the input of the amplifier Please be so.</p> <p>c There is no sound during pause or slow playback. c Fast-forward or fast-reverse (search)</p> <p>There is no sound when you are there.</p> <p>c If no sound is output from the optical digital audio output terminal, check the [Optical digital output] setting on the main unit's settings screen (page 77).</p> <p>c Set [Auto Stereo Reception] to [On] on the TV setting screen when recording (page 67).</p>
playback automatically begin.	<p>c Insert a DVD that starts playing automatically. Is ____ in?</p>		
playback automatically stop.	<p>c Depending on the disc, the auto-pause signal may are recorded. child</p> <p>If you play a disc like</p> <p>Automatically play at topose signal stops.</p>		

# others

## Is it a malfunction? If you think (Continued)

audio multiplex broadcasting sound is switched can't	<p>c 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). 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). c Point the remote control at the main unit to operate when. c Confirm that the remote control modes of the main unit and the remote control are Check if they match (18 page). c Operate the remote control away from the main unit please do not. c Make sure the remote control sensor is not exposed to strong light. Please be so.</p>
When I operate the remote control of this unit, this unit and another "PSX" operate at the same time wait.	<p>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 unit (page 18).</p>

"PlayStation 2"	
"PlayStation 2" dedicated memory card (8MB) or Memory card recognized or saved (Record) I can't.	<p>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</p>

Others	
not working properly stomach.	<p>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. If this occurs, turn off the power, unplug the power cord, leave it for a while, plug it in again, and turn on the power. stomach.</p>
channel picture when switching Time until the image appears It takes time.	<p>c After receiving the program guide, the image It may take some time to come out.</p>

## Warranty and after-sales service

This machine is for use in Japan only. Overseas with different power supply voltages and broadcasting standards cannot be used.

### 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 something is wrong, first check and consult.

Refer to the section "Troubleshooting" and check whether there is a problem. If the symptoms do not improve, contact the Customer Service Center (back cover).

#### 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.

#### Repairs after the warranty period has expired

If the function can be maintained by repair, paid repair is available upon request.

I will understand.

#### Retention period of parts

At our company, the repair performance part of the DVD recorder with hard disk is installed.

Discontinued production of products (parts necessary to maintain product functionality)

Hold for at least 8 years. This parts retention period is the repairable period.

It will take a break. Even after the retention period has passed,

In some cases, repairs may be possible, so please contact the retailer from whom you purchased the product.

Or contact 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-7000/DESR-5000 - 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:

# others

## Main Specifications

### system

form	DVD recorder with hard disk
Signal way	JEITA standard, NTSC $\ddot{y}\ddot{y}$ method
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
Audio reception system	Split carrier system
Video compression method	MPEG2
Audio compression method/bit rate	
	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
	BS-IF: 75 $\ddot{y}$ F type connector (converter $\ddot{y}$ With the power supply output DC15V maximum 4W, core side $\ddot{y}\ddot{y}$
video input	Pin jack, 1.0 Vp-p/75 $\ddot{y}$ pin jack, 1.0 Vp-
Video output	p/75 $\ddot{y}$ 4-pin mini DIN,
S video input	
	Luminance signal: 1.0 Vp-p/75 $\ddot{y}$ Chroma signal: 0.286 Vp-p/75 $\ddot{y}$ 4-pin mini DIN
S1 video output	
	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 resistance: 22 k $\ddot{y}$ or more)
audio output	pin jack
	Output level: 2 Vrms (with load impedance resistance: 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.)

A difference may occur. This machine

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 and output from the digital audio output terminal .

### power, other

power supply	AC100 V $\ddot{y}$ 50/60 Hz
power consumption	80W
Allowable operating temperature	5 $\ddot{y}\ddot{y}$ 35 $\ddot{y}$
Allowable operating humidity	25 $\ddot{y}\ddot{y}$ 80 $\ddot{y}$
Maximum external dimensions (when placed horizontally)	312 x 88 x 323 mm (width x height x depth going) including maximum projection

### Hard Disk Capacity DESR-7000: 250GB

DESR-5000: 160GB

Body mass DESR-7000: about 5.8kg

DESR-5000: about 5.7kg

### accessories

Video/audio code (1)

power cord (1)

Coaxial cable with F-type connector (1)

Remote control (1)

AA (R6) batteries (2)

Instruction manual (1)

Warranty (1)

"PSX" chart (1)

Safety (1)

### Optional accessories

Optional accessory as of December 2003. In the unlikely event that it is out of stock

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.

## Trademarks

“PSX”, “PlayStation”, “DUALSHOCK” and “PocketStation” is Sony Computer Entertainment Inc.

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“SONY” is a registered trademark of Sony Corporation.

- libgif

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- libjpeg

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## About G-Guide

The G-GUIDE, G-GUIDE, and G-GUIDE logo are

Gemstar-TV Guide International, Inc. is a registered trademark in Japan. G-Guide is the US Gemstar-TV Guide

Manufactured under license from International, Inc. Gemstar-TV Guide International, Inc. and its affiliates are responsible for the broadcast programming content and program schedules supplied by G-Guide.

No liability is assumed for the accuracy of schedule information.

Hmm. In addition, provision of information, equipment, and services related to G-Guide or any damage or loss related to the use of not.

“OpenMG” is a trademark of Sony Corporation.

MAGICGATE is a copyright protection mechanism devised by Sony. It is a name that represents the media and guarantees compatibility between various media there is no.

MAGICGATE is a trademark of Sony Corporation.

“Memory Stick” and MEMORY STICK is a trademark of Sony Corporation

“ATRAC3” is a trademark of Sony Corporation.

Portions of this product are protected under copyright law and are provided under license by ARIS/Solana/ 4C.

Other system names and product names are generally are trademarks or registered trademarks.

# others

## About transition from analog broadcasting to digital broadcasting

### Transition schedule to digital broadcasting

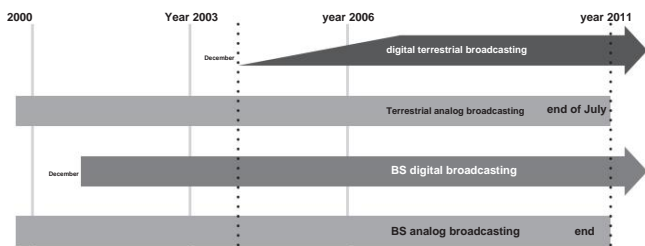
It started in December 2003, and will continue in other regions until the end of 2006.

It is scheduled to start broadcasting in Receivable in the applicable area

The area will be limited at first, but will be expanded gradually.

Terrestrial analog broadcasting will start in July 2011, and BS analog broadcasting will start in 2011

It is decided as a national policy to end by 2020.



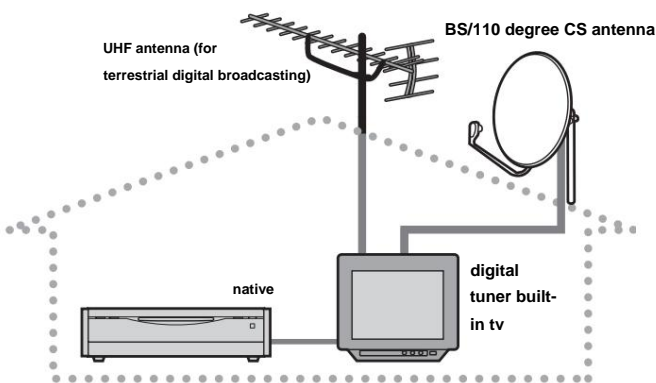
### To record digital broadcasts with this unit, use an optional digital tuner or a built-in digital tuner.

Record digital broadcasts by connecting this unit to a TV

receive. Depending on the program, the copy protection signal prevents recording.

You may not be able to dub images or titles that have already been recorded.

increase.



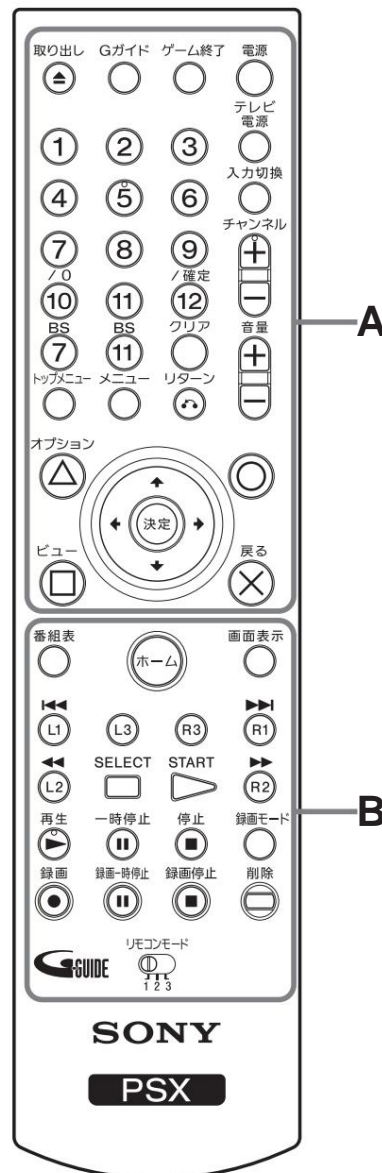
## Name of each part

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.













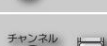






increase.























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.



## A

button	name	Function/reference page
	Take out Z	eject the disc
	G-guide	display the program guide ÿ28ÿ
	Game over	exit game mode do (64)
	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 ÿ/ÿ	the tv channel Choose
	TV volume +/- Adjust	the TV volume. Ru
	ÿ/Option Displays the operation panel. / option screen Show (27, 31)	
	ÿ/view	Display the view screen Ru
	•	decide
	x/Back	Return to previous screen
	Mm</decide	Decide (26), in Mm choose a channel

## B

button	name	Function/reference page
	home	Show home menu let (26)
	A TV schedule	display the program guide/ switch (28)
	screen display/time display	screen display/time display switch (42)
	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	
	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

# others

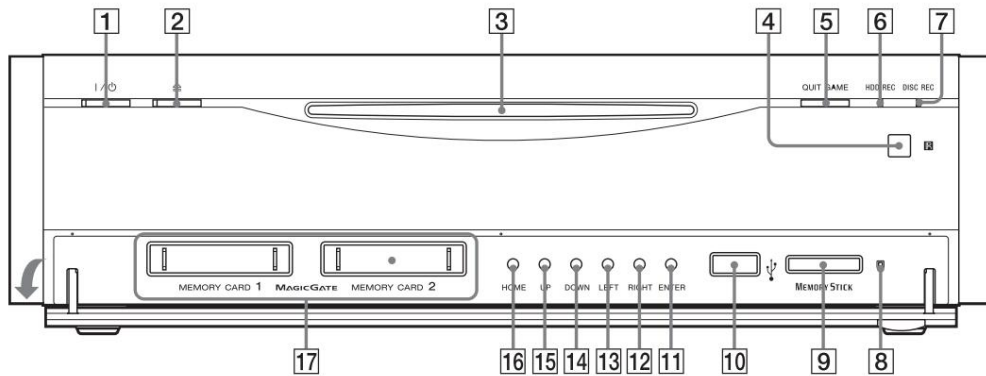
## Part names (continued)

### body

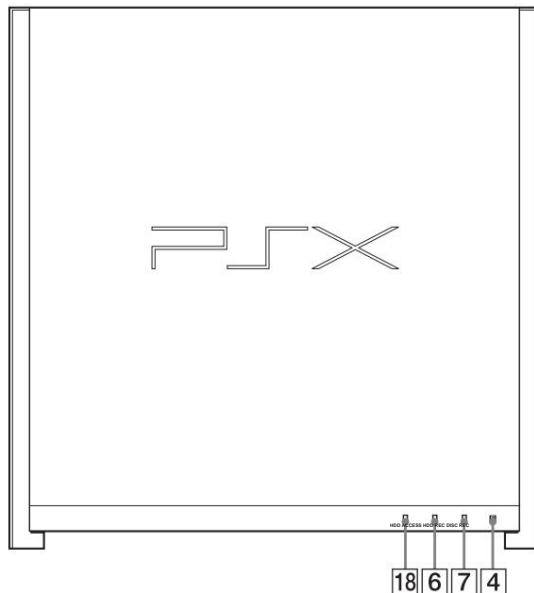
The buttons on the main unit have the same functions as the buttons of the same name on the remote control.

increase.

#### Front (landscape)



#### Top (vertical)



1 @/1 (power) switch (20)

2 A (eject) button (23) 3 Disk slot (23)

4  (Remote control receiver)

5 QUIT GAME button (64)

6 HDD REC (HDD recording) lamp (94)

7 DISC REC (disc recording) lamp (94)

8 MEMORY STICK access lamp (23)

9 MEMORY STICK slot (23)

q; USB port (22)

qa ENTER button

qs RIGHT button

LEFT button

qd qf DOWN button qg

UP button qh HOME

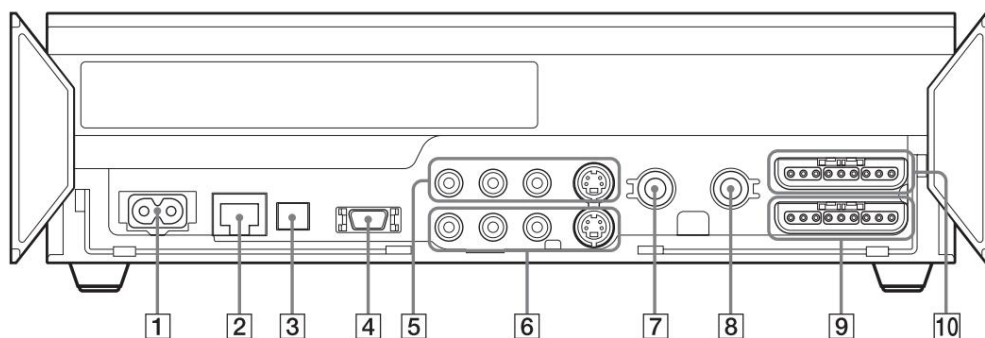
button qj MEMORY

CARD slot (20)

qk HDD ACCESS lamp (18)

others

Behind



1 to AC IN (power supply input) connector (18)

2 NETWORK connector (81)

3 DIGITAL OUT (OPTICAL) (optical digital audio output) terminal (22)

4 D1/D2 (video output) terminals (16)

5 AUDIO LR/VIDEO/S VIDEO IN (S1 video input) terminal (21)

6 AUDIO LR/VIDEO/S VIDEO OUT (audio/video/S1 video output) terminal (14)

7 VHF/UHF IN (VHF/UHF input) connector (14)

8 BS-IF IN (BS-IF input) connector (14) 9 Controller connector 2 (20) 0 Controller connector 1 (20)

# others

## glossary

### A line

#### Antenna level (page 67)

The strength of the radio waves coming from the antenna  
vinagar. Weather, temperature, time of day, antenna connection  
affected by the length of the connecting cable  
increase.

#### Interlace (page 24)

One frame of video is divided into two frames.  
This is a method of displaying half by half in the  
This is how TV will be displayed in the future. odd fee  
odd-numbered lines, even-numbered fields  
alternating even-numbered lines in the field.  
It is designed to show

### Ka line

#### Guide channel (pages 66, 90)

Assigned to each station by Gemstar  
identification number.

#### Cable television (CATV) (page 80)

Directly connecting subscribers and broadcasting stations with cables  
It is a cable broadcast that provides programs in. ground  
Analog TV programs, terrestrial digital,  
In addition to BS analog, sports and movies  
Specialized channels, local information programs and text  
You can watch broadcasts, etc.

#### Ghost (page 66)

The radio waves from the broadcasting station reach the TV antenna.  
Before reaching the  
Become a wave, time lags double, triple  
to be received. Therefore, the correct  
The image of the jamming signal is  
appear overlapping, making the screen difficult to see.  
increase.

#### Copy protection signal (page 10)

This is the anti-duplication function. copyright owner  
to establish trust to limit replication.  
software in which the number is recorded, or the broadcast number  
Groups cannot be recorded.

sa line

**Viewing age limit (page 71)**

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. I have.

There are cases.

**Receive channel (page 66)**

Channel used when this unit receives a broadcast station

Nell. 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 81)**

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 (42 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 85**

Use different methods on the network

A mechanism that enables connections between devices that are

It's a set.

**Dolby Digital (70 pages)**

Sound developed by Dolby Laboratories

voice compression technology. multi-channel

Suitable for rounds. rear chan

channel becomes stereo, subwoofer

Channels output independently. high

Multi-channel standard digital audio

You can enjoy it in

**Netmask (page 85)**

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.

**Progressive (page 70)**

One frame of video is divided into two frames.

display half by half

1 frame to 1 for the race method

How to display in one image. traditional inn

The turrace method is 30 frames per second (60

field), one second is composed of 60

frames from the beginning .

You can reproduce high-quality images with

**Broadband (80 pages)**

Large capacity using a wide frequency band

video and audio data can be sent and received at high speed.

Generic term for lines that Broadband now

ADSL, CATV

Internet, FTTH, etc.

**Broadband router (page 81)**

Internet access via ADSL or CATV

When connecting to the Internet, the ADSL mode

Using a device called a dem or cable modem

However, you can connect to the Internet from multiple terminals.

when connecting to a broadband

I use a device called a router.

**Provider (page 80)**

"Internet Service Provider  
(ISP)". the internet

Business that provides connection services to

is a person.

# others

## Glossary (continued)

### ma line ya line

“Memory Stick” (page 88) A compact, lightweight IC recording medium with a larger capacity than a floppy disk. Do not use a “Memory Stick” with this unit.

You can play back photos by pressing

### User ID (page 84)

Used when connecting to a network increase. In combination with the password, confirm that you are the user.

### La line Wa line

#### Router (page 80)

It is a device that relays between networks, mutual network protocols and

Performs address conversion. ADSL or for connecting to the CATV Internet

I have a broadband router. single

When we refer to a “router” in general, we refer to these Sometimes I point at a vessel.

## ABC

### ATRAC3 (page 25)

Music compression used in minidisks

Based on the format “Atrac”, the compression ratio

A compression standard designed to improve sound quality.

## DEF

### D terminal (page 105)

A computer compatible with a DVD player, etc.

component video terminal. This unit and the tele

Just connect the bi with a single cable,

Video signals can be sent easily.

vinegar. To connect with component video

connected to the TV via the video output terminal.

You can enjoy higher quality images than ever before.

start.

A compatible signal format is connected to the D terminal.

So there are the following types:

•D1 terminal: Supports 525i (480i) signals

•D2 terminal: Supports 525i (480i) and 525p (480p) signals

•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.

### DNS (page 85) 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 71)

Digital audio compression technology developed by Digital Theater Systems. pose

Compatible with multi-channel surround

is. rear channels to stereo

and the subwoofer channel is output

independently. high-end digital

You can enjoy multi-channel audio.

**GL**

**GB (gigabyte) (page 77)**

A unit that expresses the capacity of an HDD or DVD. The larger the number, the larger the capacity. 1GB is about 1000MB (megabytes).

**IJKL**

**IP address (page 85)**

Used in TCP/IP (Transmission Control Protocol/ Internet Protocol) networks identification information.

usually four sets of three digits separated by dots Thing. (e.g. 192.168.239.1)

**A LOT**

**MAC address (page 77)**

Abbreviation for Media Access Control. Identify devices connected on the LAN assigned to each device for number. to the cable TV company

Therefore, it is necessary to notify the machine of the MAC address. exit may be required. of this machine

The MAC address can be found in "Information information display" (page 77).

**MagicGate (page 101)**

Copyright protection for digital music content encryption technology to protect

**MPEG (100 pages)**

It stands for Moving Picture Experts Group . For compressing video data is an international standard for

**PQRSTUVWXYZ**

**LPCM (page 32)**

Convert analog audio to digital audio method. "Linear pulse code Modulation (Linear Pulse Code Abbreviation for "Modulation", easy digital You can enjoy the audio.

**PPPoE (page 84)**

Point-to-Point Protocol over Abbreviation for Ethernet . ADSL or FTTH When I connect to the internet using This protocol used when

# others

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