


## Integrated Home Theatre System Operating Instructions

**TAV-L1**

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 Before operating the system, please read the "Safety Information" section of this manual. Retain this manual for future reference.

### Contacting Sony

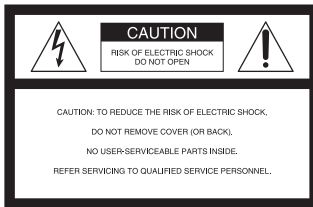
If, after reading these operating instructions, you have additional questions related to the use of this system, please call our Customer Information Services Center at 1-800-222-SONY (7669) (US residents only) or 1-877-899-SONY (7669) (Canadian residents only).


## WARNING


**To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.**

**Caution – The use of optical instruments with this product will increase eye hazard.**

### For customers in the U.S.A



 This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

 This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

### Owner's Record

The model and serial numbers are located at the rear of the system. Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. TAV-L1

Serial No. \_\_\_\_\_

## NOTIFICATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna (aerial).
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

## CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

### Note to CATV system installer:

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

The shielded inter face cable recommended in this manual must be used with this equipment in order to comply with The limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules.

If you have any questions about this product, you may call; Sony Customer Information Service Center 1-800-222-7669 or <http://www.sony.com/>

The Number below is for the FCC related matters only.

### Regulatory Information

Declaration of Conformity  
Trade name: SONY  
Model No.: TAV-L1  
Responsible Party: Sony Electronics Inc.  
Address: 16530 Via Esprillo, San Diego,  
CA 92127 U.S.A.  
Telephone No.: 858-942-2230

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This product contains mercury. Disposal of this product may be regulated if sold in the United States. For disposal or recycling information, please contact your local authorities or the Electronics Industries Alliance (<http://www.eiae.org>).

## For customers in Canada

This Class B digital apparatus complies with Canadian ICES-003.

## Safety

- Operate the system only on 120 V AC.
- Use the AC power cord specified by Sony and suitable for the voltage where you use it.
- The plug is designed, for safety purposes, to fit into the wall outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.
- If any liquid or solid object should fall inside the cabinet, unplug the system immediately and have it checked by qualified service personnel before operating it further.
- If you will not be using the system for several days, disconnect the power by pulling the plug itself. Never pull on the cord.
- For details concerning safety precautions, see "Important Safety Instructions" on page 4 and "Safety information" on page 7.

## Installing

- The system should be installed near an easily accessible power outlet.
- To prevent internal heat buildup, do not block the ventilation openings.
- Do not install the system in a hot or humid place, or in a place subject to excessive dust or mechanical vibration.
- Avoid operating the system at temperatures below 5°C (41°F).
- If the system is transported directly from a cold to a warm location, or if the room temperature changes suddenly, the picture may be blurred or show poor color due to moisture condensation. In this case, please wait a few hours to let the moisture evaporate before turning on the system.
- To obtain the best picture, do not expose the screen to direct illumination or direct sunlight. It is recommended to use spot lighting directed down from the ceiling or to cover the windows that face the screen with opaque drapery. It is desirable to install the system in a room where the floor and walls are not of a reflective material.

## CAUTION

Use the following Sony appliance(s) only with the following rack stand.  
Use with other rack stand may cause instability and possibly result in injury.

SONY APPLIANCE MODEL NO.  
TAV-L1

SONY RACK STAND MODEL NO.  
SU-32L

## To Customers

Sufficient expertise is required for installing the specified product. Be sure to subcontract the installation to Sony dealers or licensed contractors and pay adequate attention to safety during the installation.

## Introduction

Thank you for choosing this Sony product.  
Before operating the system, please read this manual thoroughly and retain it for future reference.

## Trademark information

- Manufactured under license from Dolby Laboratories. "Dolby," "Pro Logic," and the double-D symbol are trademarks of Dolby Laboratories.
- Manufactured under license from Digital Theater Systems, Inc. "DTS" and "DTS Digital Surround" are registered trademarks of Digital Theater Systems, Inc.
- **HDMI** This system incorporates High-Definition Multimedia Interface (HDMI™) technology. HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

## Important Safety Instructions

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

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# About this manual

- The instructions in this manual describe the controls on the remote. You can also use the controls on the system if they have the same or similar names as those on the remote.
- The Control Menu items may be different depending on the area.
- “DVD” may be used as a general term for DVD VIDEOS, DVD+RWs/DVD+Rs, and DVD-RWs/DVD-Rs.
- The following symbols are used in this manual.

Symbol	Functions available for
	DVD VIDEOS, DVD-Rs/DVD-RWs in video mode, and DVD+Rs/DVD+RWs
	DVD-Rs/DVD-RWs in VR (Video Recording) mode
	VIDEO CDs (including Super VCDs or CD-Rs/CD-RWs in video CD format or Super VCD format)
	Super Audio CDs
	Music CDs or CD-Rs/CD-RWs in music CD format
	DATA CDs (CD-ROMs/CD-Rs/CD-RWs containing MP3* audio tracks, JPEG image files)
	DATA DVDs (DVD-ROMs/DVD-Rs/DVD-RWs/DVD+Rs/DVD+RWs containing MP3* audio tracks and JPEG image files)

\* MP3 (MPEG1 Audio Layer 3) is a standard format defined by ISO/MPEG which compresses audio data.

# Safety information

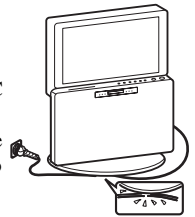
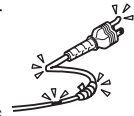
## For the unit with a three-wire grounding type AC power cord plug (Class 1 unit)

This unit must be connected to an AC power socket outlet with a protective earthing connection.



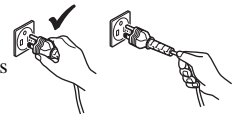
## AC power cord (mains lead)

- Unplug the AC power cord (mains lead) when moving the system. Do not move the system with the AC power cord (mains lead) plugged in. It may damage the AC power cord (mains lead) and result in fire or electric shock.
- If you damage the AC power cord (mains lead), it may result in fire or electric shock.
  - Do not pinch, bend, or twist the AC power cord (mains lead) excessively. The core conductors may be exposed or broken, causing a short-circuit, which may cause fire or electric shock.
  - Do not modify or damage the AC power cord (mains lead).
  - Do not put anything heavy on the AC power cord (mains lead). Do not pull the AC power cord (mains lead).
  - Keep the AC power cord (mains lead) away from heat sources.
  - Be sure to grasp the plug when disconnecting the AC power cord (mains lead).
- If the AC power cord (mains lead) is damaged, stop using it and ask your dealer or Sony service center to exchange it.
- Do not use the supplied AC power cord (mains lead) on any other equipment.
- Use only an original Sony AC power cord (mains lead), not other brands.



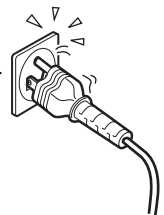
## AC power cord (mains lead)/cable protection

Pull out the AC power cord (mains lead)/cable by the plug. Do not pull on the AC power cord (mains lead)/cable itself.



## AC power source (mains)

Do not use a poor fitting mains socket. Insert the plug fully into the mains socket. A poor fit may cause arcing and result in fire. Contact your electrician to have the mains socket changed.



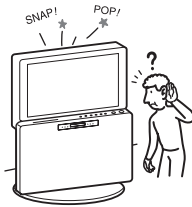
**Continued**

## Magnetic influence

This system contains a strong magnet in the speaker unit that generates a magnetic field. Keep any items susceptible to magnetic fields away from the speaker.

## Sound

If a snapping or popping sound from the system is continuous or frequent while the system is operating, unplug the system and consult your dealer or service technician. It is normal for system's to make occasional snapping or popping sounds, particularly when being turned on or off.



## Batteries

Do not dispose of batteries in a fire.  
Do not short circuit, disassemble or overheat the batteries.

## Caution

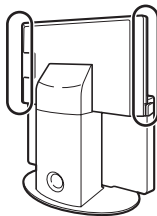
Danger of explosion if battery is incorrectly replaced.  
Replace only with the same or equivalent type.

## Disposal of used batteries

To preserve our environment, dispose of used batteries according to your local laws or regulations.

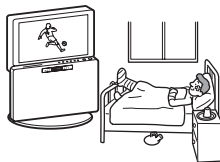
## Notes about moving the lift unit up/down

- The lift unit moves up and down automatically when the system is turned on/off, and when the input is switched with "AUTO" selected in "LIFT MODE" (page 69). You can also make the lift unit move up/down by pressing .
- To prevent operational mistakes, this system features a "LOCK" function (page 69).
- When connecting other components to the side of the system (e.g., VIDEO 2 connections), make sure not to place any cords under the lift unit to avoid trapping them as the lift unit moves.
- Do not touch the lift unit (especially the circled areas in the right illustration) while it is moving. Especially, watch out for small children.
- Do not operate this system while the lift unit is moving.



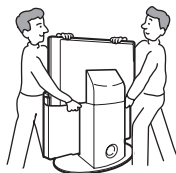
## Medical institutions

Do not place this system in a place where medical equipment is in use. It may cause malfunction of medical instruments.



## Carrying

- Before relocating the system, perform the procedure in "On moving the system" (page 12), then disconnect all the cables from the system.



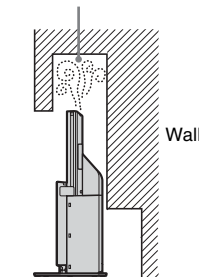
- When you carry the system by hand, hold the system as illustrated on the right. If you do not do so, the system may fall and be damaged or cause serious injury. If the system has been dropped or damaged, have it checked immediately by qualified service personnel. As the glass surface of the system has a special coating, be careful to avoid touching the glass surface as much as possible.
- When transporting it, do not subject the system to jolts or excessive vibration. The system may fall and be damaged or cause serious injury.
- When you carry the system in for repair or when you move it, pack it using the original carton and packing material.
- Carrying the system requires two or more people.

## Ventilation

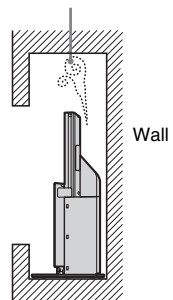
- Never cover the ventilation holes in the cabinet. It may cause overheating and result in fire.
- Unless proper ventilation is provided, the system may gather dust and get dirty. For proper ventilation, observe the following:
  - Do not install the system turned backwards or sideways.
  - Do not install the system turned over or upside down.
  - Do not install the system on a shelf or in a closet.
  - Do not place the system on a rug or bed.
  - Do not cover the system with cloth, such as curtains, or items such as newspapers, etc.
- Never install the system as follows:



Air circulation is blocked.



Air circulation is blocked.



## Ventilation holes

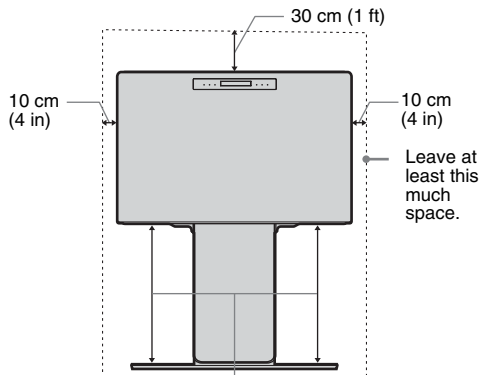
- Do not insert anything in the ventilation holes, gaps between the screen and the lift unit or the disc slot. If metal or liquid is inserted in these holes, it may result in fire or electric shock.
- If anything falls into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- Do not block the ventilation slots by putting anything on the system. The system is equipped with a high power amplifier. If the ventilation slots are blocked, the unit can overheat and malfunction.





## Placement

- Do not obstruct the area where the lift unit moves up and down. It may cause a malfunction. Leave some space around the system. Otherwise, air-circulation may be inadequate and cause overheating, which may cause fire or damage to the system or the lift unit.



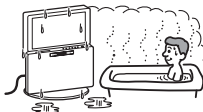
Do not place any objects under the area where the lift unit moves up/down.

- Never place the system in hot, humid or excessively dusty places.
- Do not install the system where insects may enter.
- Place the system on a stable, level surface. Otherwise, the system may fall and cause injury.
- Do not install the system in a location where it may protrude, such as on or behind a pillar, or where you might bump your head on it. Otherwise, it may result in injury.



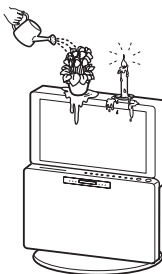
## Water and moisture

- Do not use this system near water – for example, near a bathtub or shower room. Also do not expose to rain, moisture or smoke. This may result in fire or electric shock.
- Do not touch the AC power cord (mains lead) and the system with wet hands. Doing so may cause electric shock or damage to the system.



## Moisture and flammable objects

- Do not place any objects on the system. The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus. If any liquid or solid object does fall through openings in the cabinet, do not operate the system. It may result in electric shock or damage to the system. Have it checked immediately by qualified service personnel.
- To prevent fire, keep flammable objects (candles, etc.) and electric bulbs away from the system.

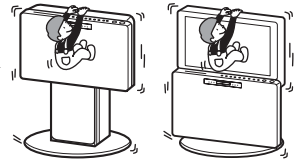


## Oils

Do not install this system in restaurants that use oil. Dust absorbing oil may enter and damage the system.

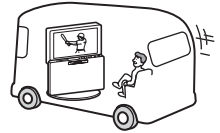
## Fall

Do not allow children to climb up on or hang from the system.



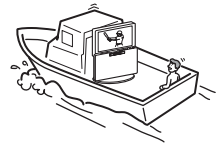
## Vehicle or ceiling

Do not install this system in a vehicle. The motion of the vehicle may cause the system to fall down and cause injury. Do not hang this system from the ceiling.



## Ships and other vessels

Do not install this system on a ship or other vessel. If the system is exposed to seawater, it may cause fire or damage the system.



## Damage requiring service

If the surface of the system cracks, do not touch it until you unplug the AC power cord. Otherwise electric shock may result.

## Lightning

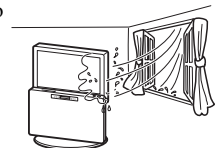
For added protection for this system during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage to the receiver due to lightning and power-line surges.

## Service

### Damage requiring service

Unplug the unit from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power cord or plug is damaged or frayed.
- If liquid has been spilled into the system.
- If the surface of the system cracks, do not touch it, unplug the AC power cord.
- If the system has been exposed to rain or water.



- If the system has been subjected to excessive shock by being dropped, or the cabinet has been damaged.



**Continued**

- If the system does not operate normally when following the operating instructions. Adjust only those controls that are specified in the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the system to normal operation.
- When the system exhibits a distinct change in performance, it indicates need for service.



### Servicing

Do not attempt to service the system yourself since opening the cabinet may expose you to dangerous voltages or other hazards. Refer all servicing to qualified service personnel.



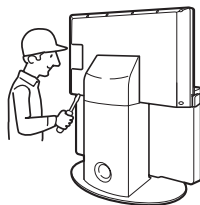
### Replacement parts

When replacement parts are required, be sure the service technician certifies in writing that he/she has used replacement parts specified by the manufacturer that have the same characteristics as the original parts. Unauthorized substitutions may result in fire, electric shock or other hazards.



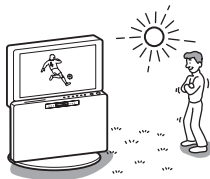
### Safety check

Upon completion of any service or repairs to the system, ask the service technician to perform routine safety checks (as specified by the manufacturer) to determine that the system is in safe operating condition, and to so certify. Ask a qualified service technician to dispose of the system.



### Outdoor use

- Do not expose the system to direct sunlight. The system may heat up and this may result in damage to the system.
- Do not install this system outdoors.



### Wiring

- Unplug the AC power cord (mains lead) when wiring cables. When hooking up, be sure to unplug the AC power cord (mains lead) for your safety.
- Take care not to catch your feet on the cables. It may damage the system.

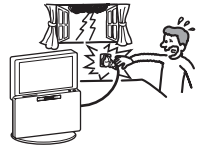
### Cleaning

- Unplug the AC power cord (mains lead) when cleaning the plug and this system. If you do not, it may result in electric shock.
- Clean the mains plug regularly. If the plug is covered with dust and it picks up moisture, its insulation may deteriorate and result in fire.



### Lightning storms

For your own safety, do not touch any part of the system, AC power cord (mains lead), or antenna lead during lightning storms.



### Damage requiring service

If the surface of the system cracks, do not touch it until you have unplugged the AC power cord (mains lead). Otherwise electric shock may result.

### Servicing

Do not open the cabinet. Entrust the system to qualified service personnel only.

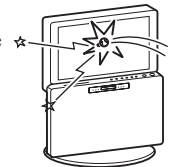


### Small accessories removal and fittable

Keep accessories out of children's reach. If they are swallowed, choking or suffocation may occur. Call a doctor immediately.

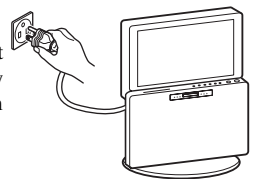
### Broken glass

Do not throw anything at the system. The screen glass may explode by the impact and cause serious injury.



### When not in use

For environmental and safety reasons, it is recommended that the system is not left in standby when unused. Disconnect from the AC power source (mains). However, some systems may have features which need the system to be left in standby to work correctly. The instructions in this manual will inform you if this applies.



### Viewing the screen

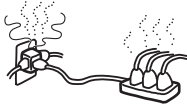
- To view the screen comfortably, the recommended viewing position is from four to seven times the screen's vertical length away from the system.
- View the screen in moderate light, as viewing the screen in poor light strains your eyes. Watching the screen continuously for long periods of time can also strain your eyes.

## Volume adjustment

- Adjust the volume so as not to trouble your neighbours. Sound carries very easily at night time. Therefore, closing the windows or using headphones is suggested.
- When using headphones, adjust the volume so as to avoid excessive levels, as hearing damage may result.
- Do not turn up the volume while listening to a section with very low level inputs or no audio signals. If you do, the speakers may be damaged when a peak level section is suddenly played.

## Overloading

This system is designed to operate on a 120 V AC supply only. Take care not to connect too many appliances to the same mains socket as this could result in fire or electric shock.



## Heat

Do not touch the surface of the system. It remains hot, even after the system has been turned off for some time.

## Corrosion

If you use this system near the seashore, salt may corrode metal parts of the system and cause internal damage or fire. It may also shorten the life of the system. Steps should be taken to reduce the humidity and moderate the temperature of the area where the system is located.

---

# Precautions

## Safety

- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet (mains), even if the unit itself has been turned off. To disconnect the system completely, pull the plug from the AC power source (mains).
- Unplug the unit from the wall outlet (mains) if you do not intend to use it for an extended period of time.

## LCD Screen

- Although the LCD screen is made with high-precision technology and 99.99% or more of the pixels are effective, black dots may appear or bright points of light (red, blue, or green) may appear constantly on the LCD screen. This is a structural property of the LCD panel and is not a malfunction.
- Do not expose the LCD screen surface to the sun. Doing so may damage the screen surface.
- Do not push or scratch the front filter, or place objects on top of this system. The image may be uneven or the LCD panel may be damaged.
- If this system is used in a cold place, a smear may occur in the picture or the picture may become dark. This does not indicate a failure. These phenomena disappear as the temperature rises.
- Ghosting may occur when still pictures are displayed continuously. It may disappear after a few moments.
- The screen and cabinet get warm when this system is in use. This is not a malfunction.
- The LCD contains a small amount of liquid crystal and mercury. The fluorescent tube used in this system also contains mercury. Follow your local ordinances and regulations for disposal.

## Fluorescent lamp

This system uses a special fluorescent lamp as its light source. If the screen image becomes dark, flickers, or does not appear, the fluorescent lamp has worn out and should be replaced. For replacement, consult qualified service personnel.

## Installing the system

- Do not install the system in places subject to extreme temperature, for example in direct sunlight, or near a radiator, or heating vent or excessive dust, mechanical vibration, or shock. If the system is exposed to extreme temperature, the system may overheat and cause deformation of the casing or cause the system to malfunction.
- To obtain a clear picture, do not expose the screen to direct illumination or direct sunlight. If possible, use spot lighting directed down from the ceiling.
- Do not install optional components too close to the system. Keep optional components at least 30 cm (1 ft) away from the system. If a VCR is installed in front of the system or beside the system, the picture may become distorted.
- Picture distortion and/or noisy sound may occur if the system is positioned in close proximity to any equipment emitting electromagnetic radiation.
- Allow adequate air circulation to prevent internal heat buildup.

***Continued***

- Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation slots.
- Do not install the unit in an inclined position. It is designed to be operated in a horizontal position only.
- Keep the unit and discs away from equipment with strong magnets, such as microwave ovens, or large loudspeakers.
- If the unit is brought directly from a cold to a warm location, moisture may condense inside this system and cause damage to the lenses. When you first install the unit, or when you move it from a cold to a warm location, wait for about 30 minutes before operating the unit.

### Handling and cleaning the screen surface/cabinet of the system

The screen surface is finished with a special coating to prevent strong light reflections.

To avoid material degradation or screen coating degradation, observe the following precautions.

- Do not push on the screen, scratch it with a hard object, or throw anything at it. The screen may be damaged.
  - Do not touch the display panel after operating the system continuously for a long period as the display panel becomes hot.
  - We recommend that the screen surface be touched as little as possible.
  - To remove dust from the screen surface/cabinet, wipe gently with a soft cloth. If dust is persistent, wipe with a soft cloth slightly moistened with a diluted mild detergent solution. You can wash and repeatedly use the soft cloth.
  - Never use any type of abrasive pad, alkaline/acid cleaner, scouring powder, or volatile solvent, such as alcohol, benzene, thinner or insecticide. Using such materials or maintaining prolonged contact with rubber or vinyl materials may result in damage to the screen surface and cabinet material.
- If you have any questions or problems concerning your system, please consult your nearest Sony dealer.
- The ventilation holes can accumulate dust over time. To ensure proper ventilation, we recommend removing the dust periodically (once a month) using a vacuum cleaner.

### On placement

At high volume, over long periods of time, the cabinet becomes hot to the touch. This is not a malfunction.

However, touching the cabinet should be avoided.

### On cleaning discs, disc/lens cleaner

**Do not use a commercially available cleaning disc or disc/lens cleaner (wet or spray type). These may cause apparatus to malfunction.**

### On moving the system

When you carry the system, use the following procedure to protect the inner mechanism.

- 1 Press INPUT repeatedly to select "DVD."
- 2 Make sure that the disc is removed from the system.
- 3 Press  $\square$  (stop) and POWER on the system simultaneously.  
"MECHA LOCK" appears in the front panel display.  
The lift unit is now set in the shipping position (down).
- 4 Remove the AC power cord (mains lead) from the wall outlet (mains).

## Notes about the discs

### On handling discs

- To keep the disc clean, handle the disc by its edge. Do not touch the surface.
- Do not stick paper or tape on the disc.



- Do not expose the disc to direct sunlight or heat sources such as hot air ducts, or leave it in a car parked in direct sunlight as the temperature may rise considerably inside the car.
- After playing, store the disc in its case.

### On cleaning

- Before playing, clean the disc with a cleaning cloth. Wipe the disc from the center out.



- Do not use solvents such as benzene, thinner, commercially available cleaners, or anti-static spray intended for vinyl LPs.

This system can only play back a standard circular disc.

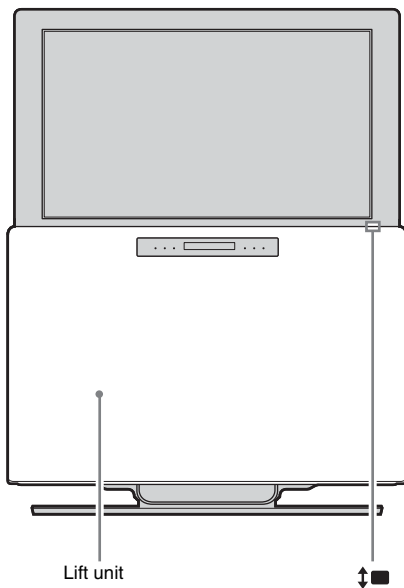
Using neither standard nor circular discs (e.g., card, heart, or star shape) may cause a malfunction.

Do not use a disc that has a commercially available accessory attached, such as a label or ring.

# Guide to basic operations of this system

This system is a monitor with DVD player. The lift unit of this system has built-in 2.1 channel speakers. You can enjoy high quality and exciting sound from DVD, FM and other connected components.

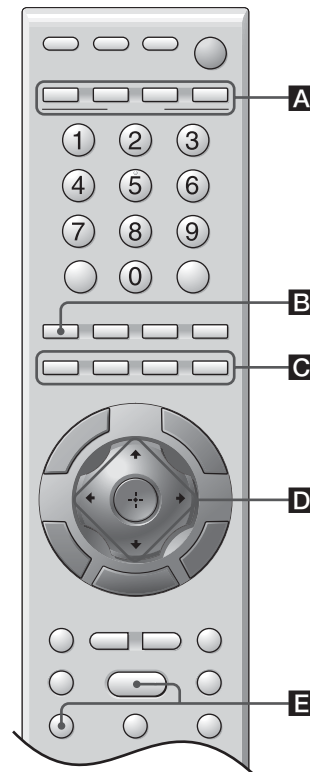
## About the lift unit



When you select "AUTO" in "LIFT MODE" (page 69), the lift unit moves up/down according to the status. For example, when you watch monitor or DVD, or turn the system on, the lift unit moves down. Conversely, listening to FM radio, CD, Super Audio CD, or turning the system off moves the lift unit up. You can also operate the lift unit manually by pressing .

## Using the remote

When you operate this system, press one of the FUNCTION buttons **A** to have the remote control operate the equipment you want, then select the input.



### ■ Direct input select buttons **C**

- DVD: Switches the input select to DVD.
- FM: Switches the input select to FM.
- VIDEO 1: Switches the input select to VIDEO 1.
- VIDEO 5: Switches the input select to VIDEO 5.

### ■ Input select button **B**

Switches the input. Each time you press the button, the input select changes as below.

VIDEO 1 → VIDEO 2 → VIDEO 3 → DVD →  
VIDEO 5 → VIDEO 6 → VIDEO 1 →.....

If you press INPUT while FM input is selected, the input will change to VIDEO 1.

### ■ Auto input select button **E**

While the input is except DVD, if you press or , the input will be changed to DVD automatically.

*Continued*

## Using the menu

This system has various types of menus:

- **MONITOR: MENU**  
This menu is effective for all inputs except FM input.
- **DVD: DVD MENU**  
DVD TOP MENU  
DISPLAY  
These menus are effective for DVD input.
- **FM: MENU**  
This menu is effective for FM input.
- **DVD/FM: AMP MENU**  
This menu is effective for all inputs.

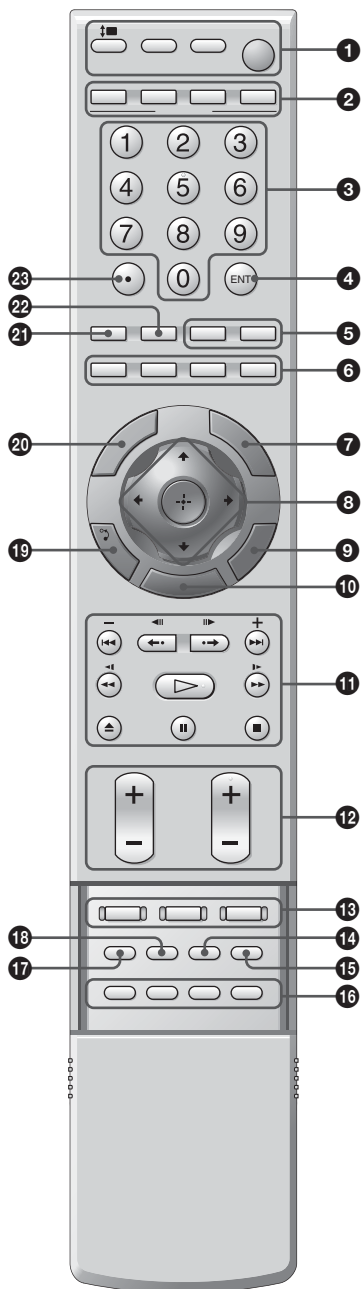
### ■ FUNCTION buttons **A**

Press one of the FUNCTION buttons to have the remote control operate the equipment you want.

- **DVD/FM:** Operates the DVD player or FM radio.
- **MONITOR:** Operates the monitor.
- **CABLE:** Operates a cable box.
- **SAT:** Operates a satellite receiver.

After pressing one of the FUNCTION buttons, press **INPUT **B**** or a direct input select button **C** to the desired input. When one of the FUNCTION buttons is pressed, the selected FUNCTION button lights up, then you can operate the selected equipment.

## Overview of the remote



With cover opened.

## Common operations

- ❶ **⏻ – Lift up/down (page 69)**  
**POWER – On/standby (page 24)**  
Switches off the system temporarily. The POWER indicator on the system (front of the lift unit) turns off. Press again to switch on the system from the standby mode.  
**MUTING – Muting**
- ❸ **Number buttons**
  - In MONITOR mode: Enters the password.
  - In DVD mode: Selects the item, title, chapter, etc. Enters the password and area code.
  - In FM mode: Selects the preset number. The number 5 button has a tactile dot.\*
  - In CABLE/SAT mode: Selects channels. For channel numbers 10 and above, enter the second digit within two seconds.
- ❻ **VIDEO 1/DVD/VIDEO 5/FM (direct input select buttons) (page 13)**
- ❼ **←/↑/↓/→/⊕ – Cursor, OK, ENTER (page 22)**
- ❿ **VOL +/- – Volume +/-**
- ⓫ **SLEEP (except FM function)**  
Sets time to automatically switch to standby the system to remain on before shutting off. Press SLEEP repeatedly to set the time in minutes (15, 30, 45, 60 or 90) for the system to remain on before shutting off. To cancel the sleep timer, press SLEEP repeatedly until [Sleep Off] appears. If you press SLEEP while [Sleep] does not appear on the display, you can check the remaining shut off system time.  
[The monitor will turn off soon] appears one minute before the system shuts off. This message may not appear if you are performing other operations in the settings.
- ⓬ **SOUND FIELD (page 29)**
- ⓭ **↶ RETURN (page 33)**
- ⓯ **INPUT (page 13)**

## To control the monitor

- ❶ **FREEZE**  
Freezes the picture. The current program appears in the sub screen when freeze is selected. Press repeatedly to restore the picture. You can use this feature to write down information such as phone numbers, recipes, etc. Some functions will not be available in freeze.  
You can move the sub screen with ←/↑/↓/→/. To cancel the function, press FREEZE until the normal screen appears.

- ❷ **MONITOR (FUNCTION) (page 14)**
- ❹ **ENT**  
Switches off the Parent settings temporarily.
- ❾ **DISPLAY**  
Displays the current input and the selected Wide Mode setting. The on-screen display will be turned off after a few seconds.
- ❿ **MENU (page 14)**
- ⓫ **POWER SAVING (page 45)**
- ⓬ **WIDE (page 41)**
- ⓮ **PICTURE (page 39)**

## To control the DVD



- ❷ **DVD (FUNCTION) (page 14)**
- ❺ **AUDIO (page 32)**  
The AUDIO button has a tactile dot.\*  
**SUBTITLE (page 35)**
- ❼ **DVD MENU (page 47)**
- ❾ **DISPLAY (page 48)**
- ❾ **◀◀/▶▶ – Next/Previous +/- (page 31)**  
**⏸ – Pause (page 31)**  
**▶ – Play (page 31)**  
The ▶ button has a tactile dot.\*  
**◀◦/◀◦, ◦▶/◦▶ – Replay, Advance, Step (page 31)**  
**◀◀/◀◦, ▶▶/▶◦ – Scan, Slow +/- (page 34)**  
**■ – Stop (page 31)**  
**▲ – Eject (page 31)**
- ⓫ **AMP MENU (page 67)**  
**ANGLE (page 35)**
- ⓬ **PICTURE NAVI (page 35)**  
**REPEAT (page 55)**  
**SA-CD/CD (page 33)**  
**TIME/TEXT (page 51)**
- ⓯ **DVD TOP MENU (page 47)**
- ⓱ **CLEAR (page 50)**

## To control the FM tuner



- ❷ **FM (FUNCTION) (page 14)**
- ❿ **MENU (page 14)**
- ❾ **◀◀/▶▶ – Next/Previous**  
Selects next (+)/previous (-) preset station.  
**◀◀/◀◦, ▶▶/▶◦ – Tuning (page 37)**
- ❿ **CH +/- (page 36)**  
The CH + button has a tactile dot.\*

*Continued*

## To control the connected cable box

- 2 CABLE (FUNCTION)** (page 14)
- 4 ENT**  
Changes channels immediately.
- 10 MENU** (page 26)
- 12 CH +/-**  
Presses to scan through channels. To scan quickly through channels, press and hold down either +/- button. The CH + button has a tactile dot.\*
- 23**   
Uses  with number buttons and ENT to select digital channels (for example, 2.1).

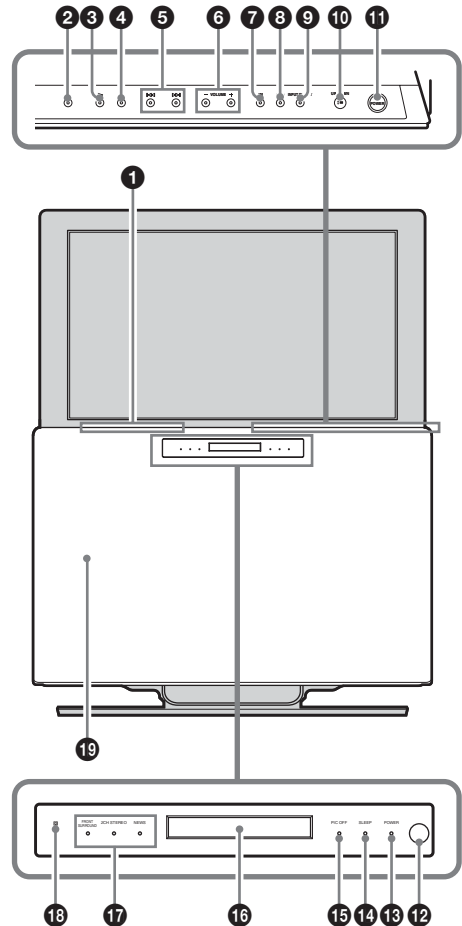
## To control the connected satellite receiver

- 2 SAT (FUNCTION)** (page 14)
- 4 ENT**  
Changes channels immediately.
- 10 MENU** (page 26)
- 12 CH +/-**  
Presses to scan through channels. To scan quickly through channels, press and hold down either +/- button. The CH + button has a tactile dot.\*
- 20 GUIDE**  
Displays the program guide of your satellite program provider.
- 22 JUMP**  
Jumps back and forth between two channels.
- 23**   
Uses  with number buttons and ENT to select digital channels (for example, 2.1).

\* Use the tactile dot as a reference when operating the system.

# Overview of the system/ lift unit buttons and indicators

**Touch panel buttons (2 – 9):** Touch any of these buttons once, to activate the panel (buttons light up), then touch the desired button.



- 1 Disc slot**
- 2 ▲ – Eject**  
Eject a disc.
- 3 ▷ – Play**  
Play a disc.
- 4 □ – Stop**  
Stop a disc.



**5** 

- In DVD mode: Select next (+)/previous (-).
- In FM mode: Select next (+)/previous (-) preset station.

**6** **VOLUME +/-**

Increases (+)/decreases (-) volume.

**7** **FM**

Change input select to FM directly.

**8** **DVD**


Change input select to DVD directly.

**9** **INPUT SELECT**

Select the input select of connected equipment.  
Each time you press the button, the input select changes as below.

VIDEO 1 → VIDEO 2 → VIDEO 3 → DVD →  
VIDEO 5 → VIDEO 6 → VIDEO 1 →.....

If you press this button while FM input is selected, the input will change to VIDEO 1.

**10**  **UP/DOWN – Lift unit up/down**

Move the lift unit up/down.

**11** **POWER**

Switch system on/off (standby).

**12** **Light sensor (page 46)**

**13** **POWER – Power indicator**

Lights green when system is on.

**14** **SLEEP – Sleep indicator**

Lights up in red when the Sleep Timer is set.

**15** **PIC OFF – Picture Off (page 45)**

Lights up in green when [Picture Off] is set.

**16** **Front panel display (page 66)**

**17** **Sound Field indicator (page 29)**

**18**  **– Remote control sensor**

**19** **Lift unit**

# 1: Checking the accessories

Remote RM-ANP003 (1)

Size AA batteries (R6 type) (2)

AC power cord (mains lead) (1)

HD 15-HD 15 cable (1)

Screws (2)

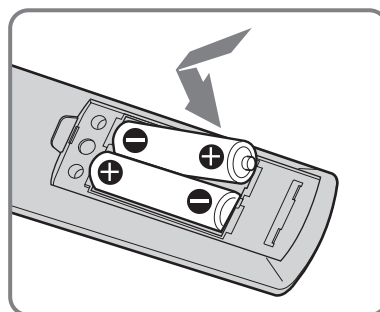
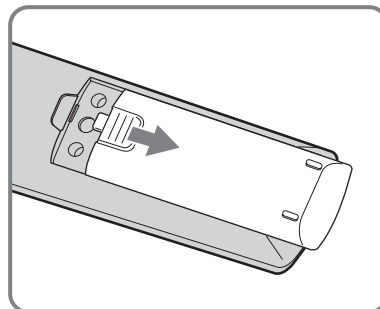
FM wire antenna (1)

Frame grille (1)

Quick Setup Guide (1)

# 2: Inserting batteries into the remote

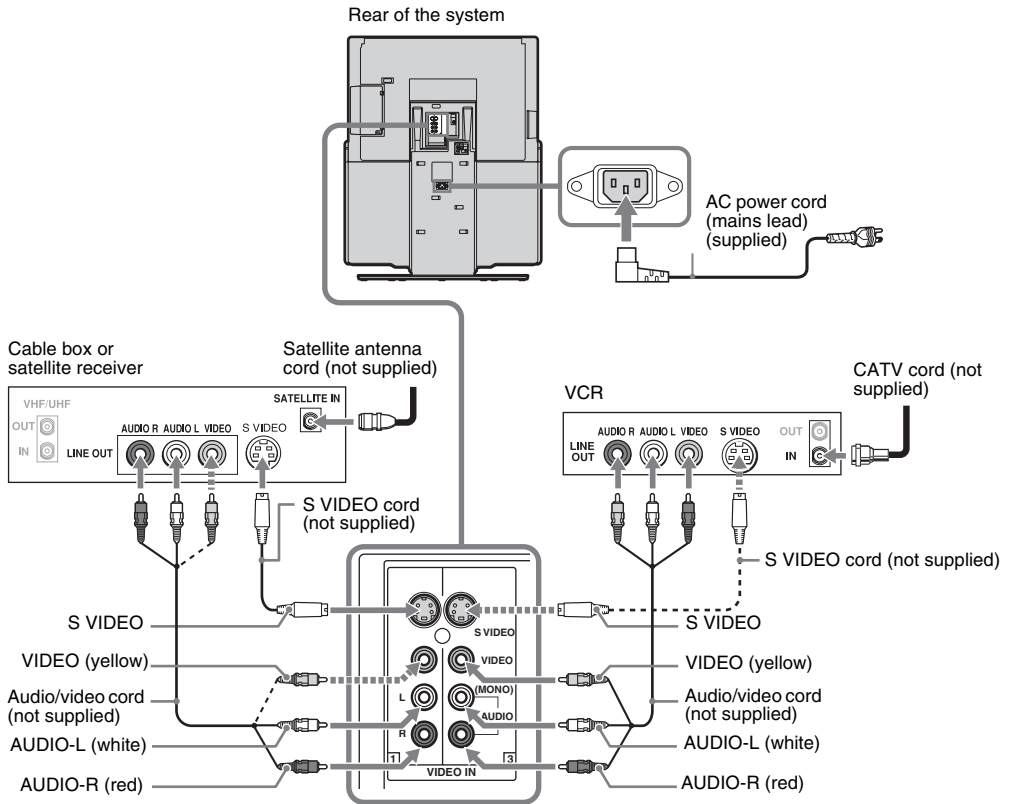
Insert two size AA batteries by matching the ⊕ and ⊖ ends on the batteries to the marking inside the compartment.



## Notes

- Observe the correct polarity when inserting batteries.
- Dispose of batteries in an environmentally friendly way. Certain regions may regulate disposal of the battery. Please consult your local authority.
- Do not use different types of batteries together or mix old and new batteries.
- Handle the remote with care. Do not drop or step on it, or spill liquid of any kind onto it.
- Do not place the remote in a location near a heat source, or in a place subject to direct sunlight, or in a damp room.

# 3: Connecting a cable box/satellite receiver/VCR



- 1 Remove the covers.**  
When all connections have been made, replace the covers.
- 2 Connect your satellite receiver, VCR and cable.**

### To connect a satellite receiver

- ① Connect the satellite antenna cord (not supplied) to the satellite receiver's satellite input jack.
- ② Use an audio cord (not supplied) and S video cord (not supplied) to connect the satellite receiver's AUDIO and S VIDEO output jacks to the system's AUDIO and S VIDEO input jacks (VIDEO IN) 1 or 3).

### To connect a VCR and cable

- ① Connect the CATV cord (not supplied) to the VCR's VHF/UHF input jack.
- ② Use an audio cord (not supplied) and video cord (not supplied) to connect the VCR's AUDIO and VIDEO output jacks to the system's AUDIO and VIDEO input jacks (VIDEO IN) 1 or 3).

- 3 Connect the supplied AC power cord (mains lead) to the AC IN socket on the rear of the system.**

### Notes

- Do not connect the AC power cord (mains lead) to your mains socket until all connections are complete.
- If available, use an S video cord to connect your equipment.
- If you connect other equipment, see page 71.

*Continued*

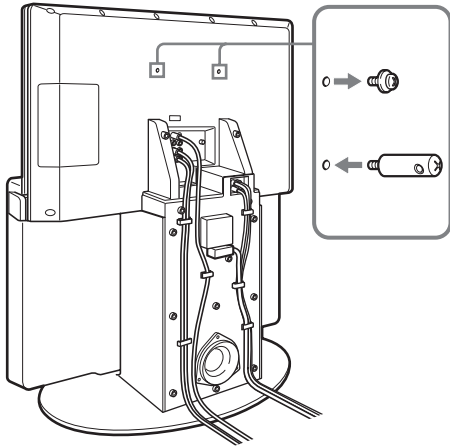
## To prevent the system from toppling over

### Notes

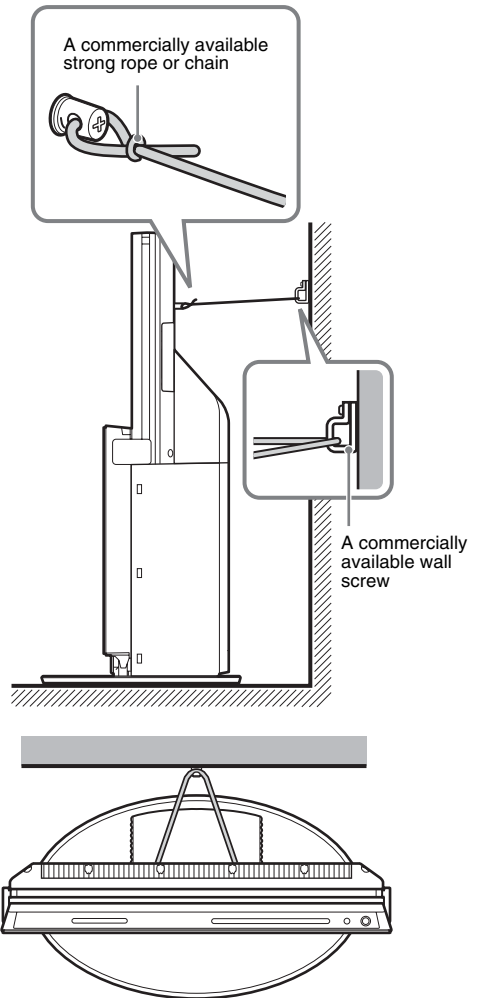
- Be sure to take measures to prevent the system from toppling over. If you fail to do so, the system may topple over and cause injury. Anchor the system to a wall, pillar, etc., to prevent it from toppling over.
- Any wall alterations (drilling, etc.) are your own responsibility.

Prepare a commercially available strong rope or chain and wall anchor bracket beforehand.

- 1** Attach the two screws to the screw holes on the rear of the system.

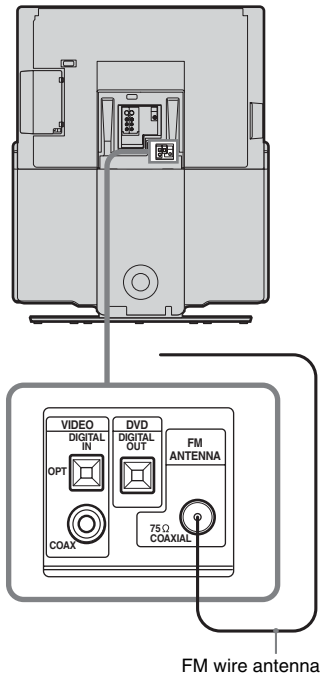


- 2** Secure the wall anchor bracket to a wall or pillar.
- 3** Thread the rope or chain through both holes of the screws, and then tighten the other end of the rope or chain to the wall anchor bracket.



## 4: Connecting the FM wire antenna

Connect the supplied FM wire antenna for listening to the FM radio. Thread the wire antenna through the slit of the cover, and then replace the cover.

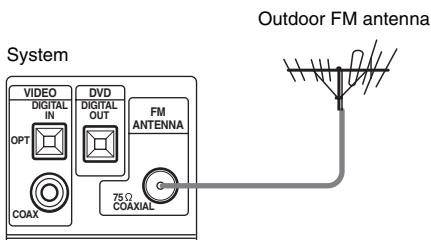


### Notes

- Be sure to fully extend the FM wire antenna.
- After connecting the FM wire antenna, keep it as horizontal as possible.

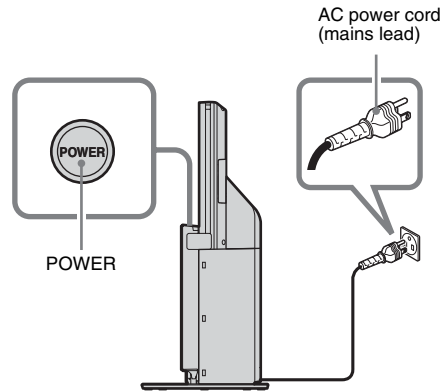
### Tip

If you have poor FM reception, use a 75-ohms coaxial cable (not supplied) to connect the system to an outdoor FM antenna as shown below.



## 5: Switching on the system

Install this system so that the power cord can be unplugged from the wall socket immediately in the event of trouble.



- 1 Connect the system to your mains socket (120V AC, 60Hz).
- 2 Press POWER on the system (top of the lift unit).

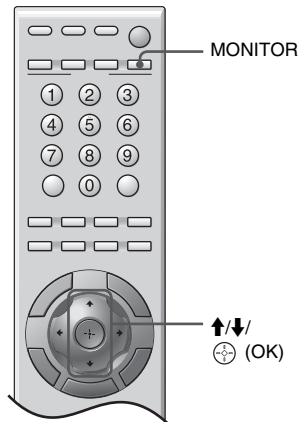
When you switch on the system for the first time, the Language menu appears on the screen, then go to “6: Selecting the monitor language” (page 22). When the system is in standby mode (the POWER indicator on the system is off), press POWER to switch on the system.

### Note

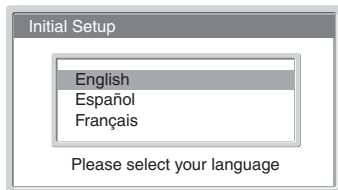
Depending on the LIFT MODE setting or selected input, the lift unit will move down when turning on the system.

## 6: Selecting the monitor language

When you switch on the system for the first time, the Initial Setup menu appears on the screen.



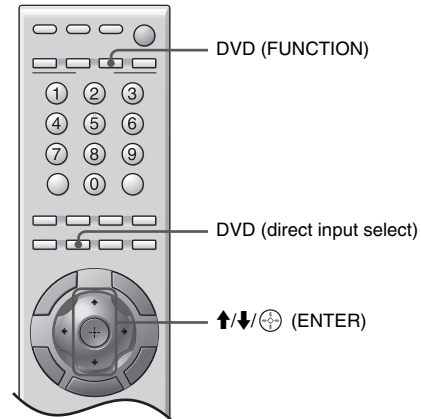
- 1 Press MONITOR to switch the remote FUNCTION to MONITOR.
- 2 Press ↑/↓ to select the language displayed on the menu screens, then press ⊕ (OK).



## 7: Selecting the DVD language (Quick Setup)

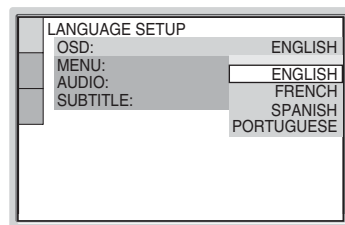
When you select DVD input for the first time, a message prompting you to perform Quick Setup appears.

You can set the display language.



- 1 Press DVD (FUNCTION) to switch the remote FUNCTION to DVD.
- 2 Press DVD (direct input select) to switch the input to DVD.  
[Press [ENTER] to run QUICK SETUP.] appears at the bottom of the screen. This message does not appear if the disc is loaded or Quick Setup is already done.
- 3 Press ⊕ (ENTER) without inserting a disc.

The Setup Display for selecting the language used in the on-screen display appears.




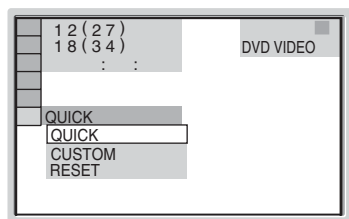
- 4 Press ↑/↓ to select a language.  
The system displays the on-screen display, the menu and subtitles in the selected language.
- 5 Press ⊕ (ENTER).  
Quick Setup is finished. All connections and setup operations are complete.

## To quit the Quick Setup

Press DISPLAY in any step.

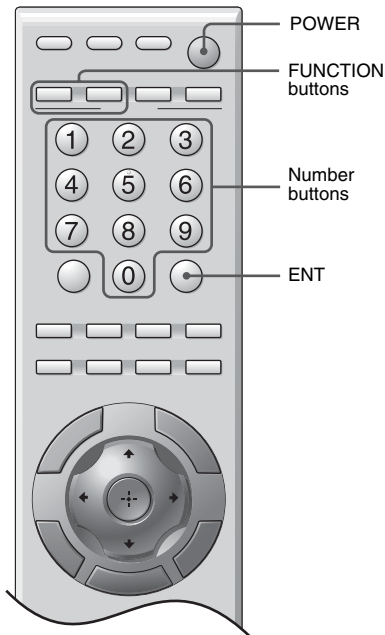
## To recall the Quick Setup display

- 1 Press DVD (FUNCTION) to switch the remote FUNCTION to DVD.
- 2 Press DISPLAY. (If a disc is playing, press ■ to stop playback, then press DISPLAY.)  
The Control Menu appears.
- 3 Press ↑/↓ to select  [SETUP], then press ⏻ (ENTER).  
The options for [SETUP] appear.



- 4 Press ↑/↓ to select [QUICK], then press ⏻ (ENTER).  
The Quick Setup display appears.

# Programming the remote control



The remote control is preset to operate Sony brand equipment.

Sony Equipment	Programmable Code Number
Cable	101 (DVR)
Satellite receiver	201 (DSS)

Follow the steps below to program your system's remote control to operate the other equipment.

Find the three-digit code for your equipment from the "Manufacturer's Codes" listed on page 25. If more than one code number is listed, try entering from the code listed first.

- 1** Press and hold the CABLE or SAT (FUNCTION) you want to program and press POWER simultaneously. The selected FUNCTION button (CABLE or SAT) will flash.
- 2** Enter the three-digit manufacturer's code number using the number buttons while the button is lit, approximately 30 seconds.
- 3** Press ENT. When the programming is correct, the selected FUNCTION button will flash twice slowly, and when not, flashes five times quickly.

### To check if the code works

Aim your system's remote control at the equipment, and press POWER. If the equipment responds, the programming is completed. If not, try the next code listed.

### Notes

- If no code is input within the above specified time, or an invalid or incorrect code number is input, the remote control automatically goes back to the previous setting.
- In some cases, you may not be able to program your remote control to operate other equipment. In such cases, use the equipment's own remote control.
- Dead batteries or removing the batteries may cause the programmable codes to be lost and revert back to factory settings. Reprogramming the codes may be necessary.



## Manufacturer's Codes

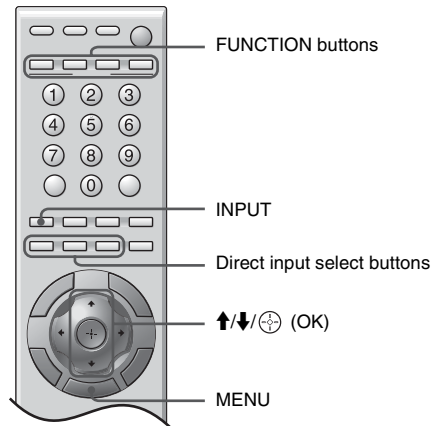
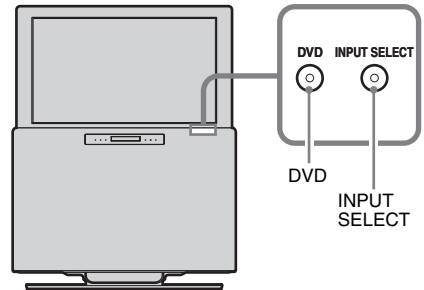
### Cable Boxes

Manufacturer	Code
Sony	101
Hamlin/Regal	123, 124, 125, 126, 127
Jerrold/G. I./ Motorola	102, 103, 104, 105, 106, 107, 108, 109, 117, 118, 119, 123, 133
Oak	128, 129, 130
Panasonic	111, 113, 120, 121, 122, 131
Pioneer	113, 116
RCA	132
Scientific Atlanta	110, 111, 112
Tocom/Philips	117, 118
Zenith	113, 114

### Satellite Receivers

Manufacturer	Code
Sony	201
Hitachi	205
General Electric	202
Hughes	204
JVC/Dish Network/Echostar	210
Mitsubishi	209
Panasonic	203
Philips	211
RCA/PROSCAN	202, 208
Samsung	212
Toshiba	206, 207

## Viewing pictures from connected equipment



- 1 Switch on the connected equipment.
- 2 Press the desired FUNCTION button.
- 3 Switch the input select.

You can switch the input select by one of the following procedures:

- Press the desired direct input select button on the remote or system.
- Press INPUT on the remote or INPUT SELECT on the system repeatedly.
- Press MONITOR, then press MENU, select [Inputs], Choose the desired input from [Inputs] menu using (OK).

*Continued*

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**VIDEO 5 (HDMI IN):**

Digital audio/video signal is input through the VIDEO 5 (HDMI IN) jack. Audio input signal is analogue only if the equipment has been connected using the DVI and audio out jack.

---

**VIDEO 6 (PC IN):**

RGB input signal through the PC connectors VIDEO 6 (PC IN), and audio input signal through the jack PC AUDIO IN.

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




## Using other equipment with your remote control

To operate other connected equipment with your system, first turn to page 25 and program the necessary code. For operating other equipment, press INPUT or direct input select button repeatedly until you see the input on the screen for your connected equipment. Remote control operation tips are provided below.







**Note**

Some functions cannot be operated depending on the equipment. In that case, operate by the remote control supplied with the equipment.













### Operating a Cable Box

To Do This ...	Press ...
Activate the remote control to operate the cable box	CABLE (FUNCTION)
Turn on/off	POWER
Select a channel	0-9, ENT, 
Change channels	CH +/-
Display cable menu	MENU
Display channel number	DISPLAY
Move highlight (cursor)	 /  /  / 
Select item	 (OK)

### Operating a Satellite Receiver

To Do This ...	Press ...
Activate the remote control to operate the satellite receiver	SAT(FUNCTION)
Turn on/off	POWER
Select a channel	0-9, ENT, 
Change channels	CH +/-
Back to previous channel	JUMP
Display channel number	DISPLAY
Display SAT Guide	GUIDE
Display SAT Menu	MENU
Move highlight (cursor)	 /  /  / 
Select item	 (OK)

## Available discs

Format of discs	Disc logo
DVD VIDEO	
DVD-R	
DVD-RW	
DVD+RW/ DVD+R	  DVD+ReWritable    DVD+R  DVD+R DL
VIDEO CD	
Super Audio CD* <sup>1</sup>	 SUPER AUDIO CD
Audio CD* <sup>2</sup>	
CD-R/CD-RW (audio data) (MP3 files) (JPEG files)	   

The “DVD VIDEO,” “DVD-R,” “DVD-RW,” “DVD+RW,” “DVD+R,” and “CD” logos are trademarks.

\*1 Except for multi-channel playback area.

\*2 CD text data can be displayed (disc title only).

### Note about CDs/DVDs

The system can play CD-ROMs/CD-Rs/CD-RWs recorded in the following formats:

- audio CD format.
- video CD format.
- MP3 audio tracks and JPEG image files of format conforming to ISO 9660 Level 1/Level 2, or its extended format, Joliet.

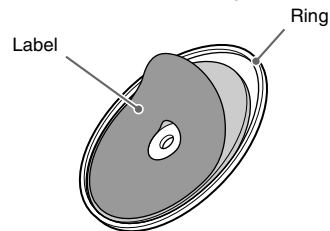
The system can play DVD-ROMs/DVD+RWs/DVD-RWs/DVD+Rs/DVD-Rs recorded in the following formats:

- MP3 audio tracks and JPEG image files of format conforming to UDF (Universal Disc Format).

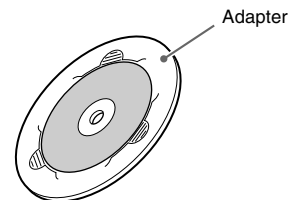
### Example of discs that the system cannot play

The system cannot play the following discs:

- CD-ROMs/CD-Rs/CD-RWs other than those recorded in the formats listed on page 27.
- CD-ROMs recorded in PHOTO CD format.
- Data part of CD-Extras.
- DVD Audios.
- DVD-RAMs.
- A DVD VIDEO with a different region code (page 28).
- DATA CDs/DATA DVDs that do not contain MP3 audio tracks or JPEG image files.
- A disc that has a non-standard shape (e.g., card shaped, heart shaped).
- A disc that has a commercially available accessory attached, such as a label or ring.



- An adapter to convert an 8 cm (3 in) disc to standard size.



- A disc with paper or stickers on it.
- A disc that has the adhesive of cellophane tape or a sticker still left on it.

*Continued*

## Notes about CD-R/CD-RW/DVD-R/DVD-RW/DVD+R/DVD+RW

In some cases, CD-R/CD-RW/DVD-R/DVD-RW/DVD+R/DVD+RW cannot be played on this system due to the recording quality or physical condition of the disc, or the characteristics of the recording device and authoring software.

The disc will not play if it has not been correctly finalized. For more information, see the operating instructions for the recording device.

Note that discs created in the Packet Write format cannot be played.

Note that some playback functions may not work with some DVD+Rs/DVD+RWs, even if they have been correctly finalized. In this case, view the disc by normal playback. Also some DATA CDs/DATA DVDs created in Packet Write format cannot be played.

## Music discs encoded with copyright protection technologies

This product is designed to play back discs that conform to the Compact Disc (CD) standard.

Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

## Note on DualDisc

A DualDisc is a two sided disc product which mates DVD recorded material on one side with digital audio material on the other side. However, since the audio material side does not conform to the Compact Disc (CD) standard, playback on this product is not guaranteed.

## About Multi Session CD

- This system can play Multi Session CDs when an MP3 audio track is contained in the first session. Any subsequent MP3 audio tracks recorded in later sessions can also be played back.
- This system can play Multi Session CDs when a JPEG image file is contained in the first session. Any subsequent JPEG image files recorded in later sessions can also be played back.
- If audio tracks and images in music CD format or video CD format are recorded in the first session, only the first session will be played back.

## About the Super Audio CD

Super Audio CD is a new high-quality audio disc standard where music is recorded in the DSD (Direct Stream Digital) format (conventional CDs are recorded in the PCM format). The DSD format, using a sampling frequency 64 times higher than that of a conventional CD, and with 1-bit quantization, achieves both a wide frequency range and a wide dynamic range across the audible frequency range, and so provides music reproduction extremely faithful to the original sound.

## Types of Super Audio CDs

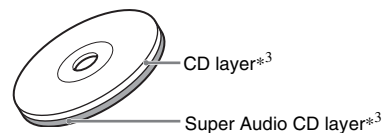
There are two types of discs, depending on the Super Audio CD layer and CD layer combination.

- Super Audio CD layer: A high-density signal layer for Super Audio CD
- CD layer\*<sup>1</sup>: A layer that is readable by a conventional CD player

Single layer disc  
(a disc with a single Super Audio CD layer)



Hybrid disc\*<sup>2</sup>  
(a disc with an Super Audio CD layer and a CD layer)



\*1 You can play the CD layer on a conventional CD player.

\*2 Since both layers are on one side, it is not necessary to turn the disc over.

\*3 To select a layer, see "Selecting a playback layer for a Super Audio CD (Super Audio CD only)" (page 33).

## Region code

Your system has a region code printed on the back of the unit and will only play DVDs labeled with the same region code.

DVD VIDEOS labeled  will also play on this system.

If you try to play any other DVD VIDEO, the message [Playback prohibited by area limitations.] will appear on the monitor screen. Depending on the DVD VIDEO, no region code indication may be given even though playing the DVD VIDEO is prohibited by area restrictions.

## Note on playback operations of DVDs and VIDEO CDs

Some playback operations of DVDs and VIDEO CDs may be intentionally set by software producers. Since this system plays DVDs and VIDEO CDs according to the disc contents the software producers designed, some playback features may not be available. Also, refer to the instructions supplied with the DVDs or VIDEO CDs.

## Copyrights

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

This system incorporates with Dolby\*<sup>1</sup> Digital and Dolby Pro Logic (II) adaptive matrix surround decoder and the DTS\*<sup>2</sup> Digital Surround System.

\*1 Manufactured under license from Dolby Laboratories.

“Dolby,” “Pro Logic,” and the double-D symbol are trademarks of Dolby Laboratories.

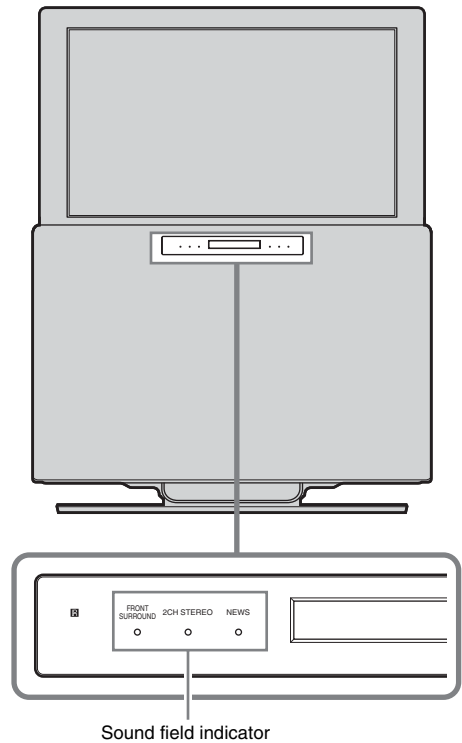
\*2 Manufactured under license from Digital Theater Systems, Inc.

“DTS” and “DTS Digital Surround” are registered trademarks of Digital Theater Systems, Inc.

## System sound feature

DVD-V DVD-VR VIDEO CD CD DATA CD DATA DVD

You can take advantage of this front surround sound simply by selecting one of system's preprogrammed sound fields. They bring the exciting and powerful sound of movie theaters into your home.



*Continued*



## 1 Press SOUND FIELD.

The present sound field appears in the front panel display.

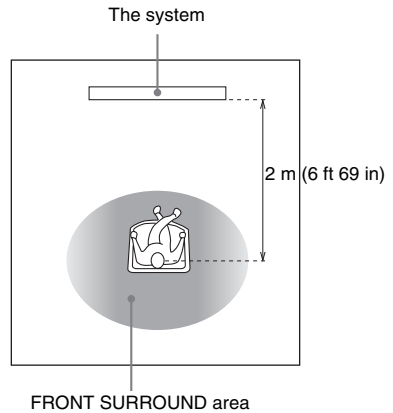
## 2 Press SOUND FIELD repeatedly until the sound field you want appears in the front panel display.

The selected sound field indicator lights up.

### Available sound fields

#### ■ FRONT SURROUND (FRONT SUR)

You can enjoy surround sound in the FRONT SURROUND area, as illustrated below. This sound system employs S-Force PRO Front Surround technology\*.



#### ■ 2CH STEREO

This mode outputs 2 channel sound regardless of the audio signal type being input.

#### ■ NEWS

This mode suits spoken programs such as the news.

#### ■ HP 2CH

This sound field is only for headphones. When you connect headphones, the sound field is HP 2CH only.

#### \* About S-Force PRO Front Surround

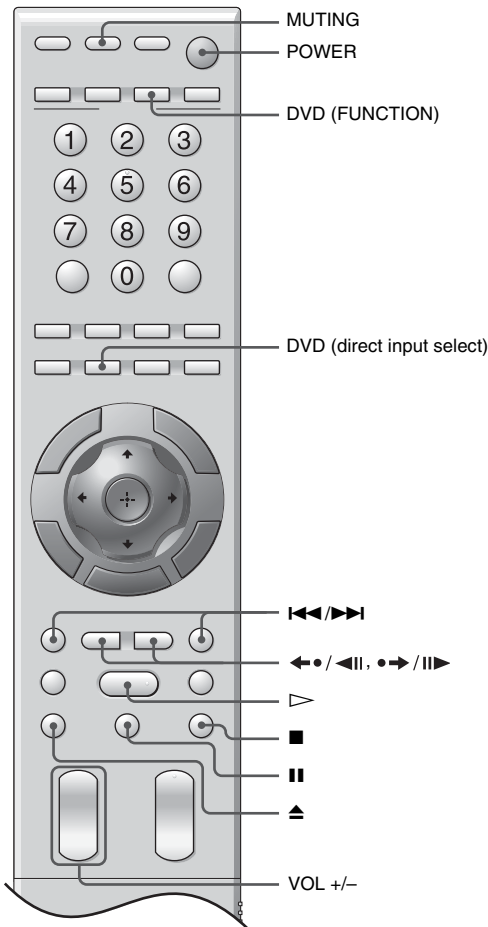
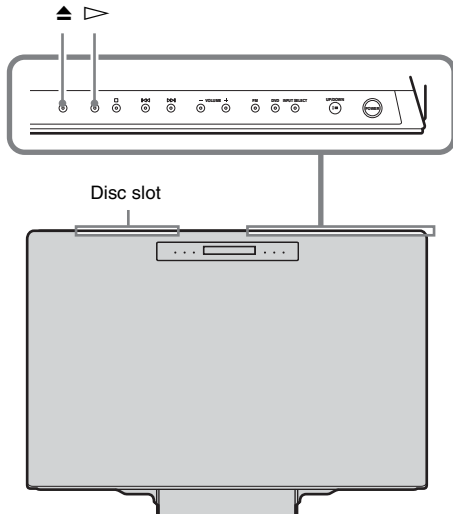
Sony's long-term involvement in surround technology (and the vast amounts of acoustic data accumulated as a result) has led to the development of all-new processing method and advanced DSP to handle this task effectively, which we call S-Force PRO Front Surround. Compared with previous front surround technologies, S-Force PRO Front Surround reproduces a more convincing sense of distance and space, resulting in a true surround sound experience without the need for rear speakers.

#### Notes

- When the system receives signals other than Super Audio CD, the default sound field setting is FRONT SURROUND.
- When using headphones, the sound field is HP 2CH regardless of source.
- The sound field for Super Audio CDs is 2CH STEREO only.
- The surround effect might be difficult to hear depending on the type of source signals (e.g., digital stereo signals, digital multi signals, etc.) except for DVD multi-channel signals.
- When the selected input is other than Super Audio CD, you can change the sound field setting.

# Playing discs

DVD-V DVD-VR VIDEO CD Super Audio CD C D DATA CD  
DATA DVD



Depending on the DVD VIDEO or VIDEO CD, some operations may be different or restricted. Refer to the operation details supplied with your disc.

## 1 Press POWER.

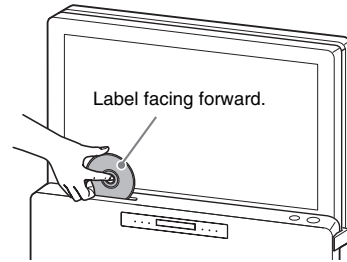
The system turns on.

Press DVD (FUNCTION) to switch the remote FUNCTION to DVD.

Unless the system input is already set to "DVD," press DVD (direct input select).

## 2 Load a disc.

Push the disc into the disc slot until the disc is pulled in automatically.



## 3 Press >.

The system starts playback (continuous play). Adjust the volume.

## Additional operations

To	Press
Stop	■
Pause	
Resume play after pause	or >
Go to the next chapter, track, or scene	▶▶ (except for JPEG)
Go back to the preceding chapter, track, or scene	◀◀ (except for JPEG)
Mute the sound	MUTING. To cancel muting, press it again or VOL + to adjust the sound volume.
Stop play and remove the disc	▲
Replay the previous scene*1	◀•/◀   (instant replay) during playback.
Briefly fast forward the current scene*2	•▶/  ▶ (instant advance) during playback.

Continued

\*1 DVD VIDEOS/DVD-RWs/DVD-Rs only. The button can be used except for MP3 audio tracks and JPEG image files.

\*2 DVD VIDEOS/DVD-RWs/DVD-Rs/DVD+RWs/DVD+Rs only. The button can be used except for MP3 audio tracks and JPEG image files.

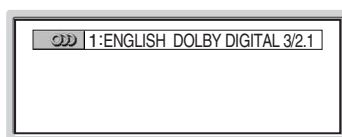
## Various play modes

### Changing the sound (DVD VIDEO, DVD-VR, VIDEO CD, CD, DATA CD, DATA DVD only)

When playing a DVD VIDEO recorded in multiple audio formats (PCM, Dolby Digital, MPEG audio, or DTS), you can change the audio format. If the DVD VIDEO is recorded with multilingual tracks, you can also change the language.

With VIDEO CDs, CDs, or DATA CDs/DATA DVDs (MP3 audio), you can select the sound from the right or left channel and listen to the sound of the selected channel through both the right and left speakers of the lift unit.

- 1 Press **AUDIO** during playback.  
The following display appears.



- 2 Press **AUDIO** repeatedly to select the desired audio signal.

#### ■ When playing a DVD VIDEO

The choice of language varies depending on the DVD VIDEO.

When 4 digits are displayed, they indicate a language code. Refer to “Language code list (DVD function only)” (page 76) to see which language the code represents. When the same language is displayed two or more times, the DVD VIDEO is recorded in multiple audio formats.

#### ■ When playing a DVD-R/DVD-RW

The audio streams recorded on a disc are displayed.

Example:

- [1: AUDIO]
- [2: AUDIO]

#### Note

[2: AUDIO] does not appear when one audio stream is recorded on the disc.

#### ■ When playing a VIDEO CD, CD, or DATA CD/ DATA DVD (MP3 audio)

- [STEREO]: The standard stereo sound.
- [1/L]: The sound of the left channel (monaural).
- [2/R]: The sound of the right channel (monaural).



**■ When playing a Super VCD**

- [1:STEREO]: The stereo sound of the audio track 1.
- [1:1/L]: The sound of the left channel of the audio track 1 (monaural).
- [1:2/R]: The sound of the right channel of the audio track 1 (monaural).
- [2:STEREO]: The stereo sound of the audio track 2.
- [2:1/L]: The sound of the left channel of the audio track 2 (monaural).
- [2:2/R]: The sound of the right channel of the audio track 2 (monaural).

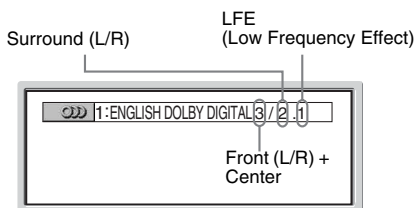
**Note**

While playing a Super VCD on which the audio track 2 is not recorded, no sound will come out when you select [2:STEREO], [2:1/L], or [2:2/R].

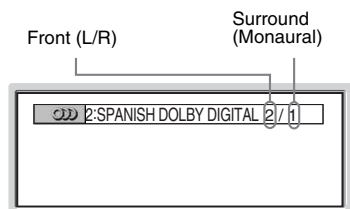
**To check the audio signal format (DVD VIDEO only)**

If you press AUDIO repeatedly during playback, the format of the current audio signal (PCM, Dolby Digital, DTS, etc.) appears on the screen. This function is prohibited on some discs.

Example: Dolby Digital 5.1 ch



Example: Dolby Digital 3 ch



**Selecting a playback layer for a Super Audio CD (Super Audio CD only)**

Some Super Audio CDs consist of a Super Audio CD layer and a CD layer. You can select the playback layer you want to listen to.

Press SA-CD/CD. (If a disc is playing, press ■ to stop playback, then press SA-CD/CD.)

Each time you press the button, a Super Audio CD layer or a CD layer is alternately selected. When playing a Super Audio CD layer, "SA-CD" lights up in the front panel display.

**Notes**

- For details about Super Audio CD discs, see page 28.
- Each play mode function works only within the selected layer.

**Playing VIDEO CDs with PBC functions (Ver.2.0)**

**(PBC Playback) (VIDEO CD only)**

With PBC (Playback Control) functions, you can enjoy simple interactive operations, search functions, and other such operations.

PBC playback allows you to play VIDEO CDs interactively by following the menu on the monitor screen.

- 1** Start playing a VIDEO CD with PBC functions.  
The menu for your selection appears.
- 2** Select the item number you want by the number buttons.
- 3** Press (ENTER).
- 4** Follow the instructions in the menu for interactive operations.  
Refer to the operation details supplied with the disc, as the operating procedure may differ depending on the VIDEO CD.

**To go back to the menu**

Press RETURN.

*Continued*

## Notes

- You cannot use Program Play, Shuffle Play, or Repeat Play with Video CDs with PBC playback.
- Depending on the VIDEO CD, [Press ENTER] in step 3 may appear as [Press SELECT] in the instructions supplied with the disc. In this case, press ▷.

## Tip

To play without using PBC, press ◀◀/▶▶ or the number buttons while the system is stopped to select a track, then press ▷ or ⊕ (ENTER).

You cannot play still pictures such as a menu. To return to PBC playback, press ■ twice, then press ▷.

## Resuming playback from the point where you stopped the disc

### (Resume Play)

### (DVD VIDEO, DVD-VR, VIDEO CD, Super Audio CD, CD, DATA CD, DATA DVD only)

When you stop the disc, the system remembers the point where you pressed ■ and you can start playback from the point you stopped the disc.

- 1 While playing a disc, press ■ to stop playback.

“Resume” appears in the front panel display.

If “Resume” does not appear, Resume Play is not available.

- 2 Press ▷.

The system starts playback from the point where you stopped the disc in step 1.

## To enjoy a disc that is played before by resume playback (Multi-disc Resume)

### (DVD VIDEO, VIDEO CD only)

This system stores the point where you stopped the disc for up to 40 discs and resumes playback the next time you insert the same disc. If you store a resume playback point for the 41st disc, the resume playback point for the first disc is deleted.

To activate this function, set [MULTI-DISC RESUME] in [CUSTOM SETUP] to [ON]. For details, see “[MULTI-DISC RESUME] (DVD VIDEO/VIDEO CD only)” (page 65).

## Notes

- If [MULTI-DISC RESUME] in [CUSTOM SETUP] is set to [OFF] (page 65), the resume point is cleared when you change the input.
- The point where you stopped playing may be cleared when:
  - you change the play mode.
  - you change or reset the settings on the Setup Display.
  - you change the input.
  - you disconnect the AC power cord (mains lead) for a long period of time.

- For DVD-Rs/DVD-RWs in VR mode, CDs, Super Audio CDs, DATA CDs, and DATA DVDs the system remembers the resume playback point for the current disc. The resume point is cleared when:
  - you eject the disc.
  - the system enters standby mode.
- Resume Play does not work during Program Play and Shuffle Play.
- This function may not correctly work with some discs.
- Depending on where you stop the disc, the system may not resume playback from exactly the same point.
- If you play a disc for which Parental Control is set, this function does not work.

## Tip

To play from the beginning of the disc, press ■ twice, then press ▷.

## Searching for a particular point or a scene on a disc

### Searching for a particular point on a disc

#### (Scan, Slow-motion Play, Freeze Frame)

### (DVD VIDEO, DVD-VR, VIDEO CD, Super Audio CD, CD, DATA CD, DATA DVD only)

## Note

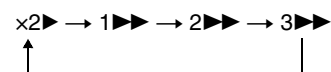
Depending on the DVD/VIDEO CD, you may not be able to do some of the operations described.

### Locating a point quickly by playing a disc in fast forward or fast reverse (Scan)

#### (except for JPEG)

Press ◀◀◀ or ▶▶▶ while playing a disc. When you find the point you want, press ▷ to return to normal speed. Each time you press ◀◀◀ or ▶▶▶ during scan, the playback speed changes. With each press the indication changes as shown below. Actual speeds may differ with some discs.

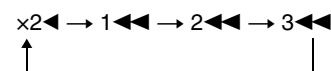
Playback direction



3▶▶▶ (DVD VIDEO/DVD-R/DVD-RW/VIDEO CD only)

x2▶ (DVD VIDEO/Super Audio CD/CD only)

Opposite direction



3◀◀◀ (DVD VIDEO/DVD-R/DVD-RW/VIDEO CD only)

x2◀ (DVD VIDEO only)

With each press, playback speed becomes faster.

### Watching frame by frame (Slow-motion Play) (DVD VIDEO, DVD-R, DVD-RW, VIDEO CD only)

Press ◀◀ or ▶▶ when the system is in pause mode. To return to the normal playback speed, press ▷. Each time you press ◀◀ or ▶▶ during Slow-motion Play, the playback speed changes. Two speeds are available. With each press the indication changes as follows:

Playback direction

2 ▶▶ ↔ 1 ▶▶

Opposite direction (DVD VIDEO/DVD-R/DVD-RW only)

2 ◀◀ ↔ 1 ◀◀

With each press, playback speed becomes faster.

### Playing one frame at a time (Freeze Frame) (except for Super Audio CD, CD, MP3, and JPEG)

When the system is in the pause mode, press ●→/||▶ (step) to go to the next frame.

Press ◀●/◀|| (step) to go to the preceding frame (DVD VIDEO/DVD-R/DVD-RW only).

To return to normal playback, press ▷.

#### Note

You cannot search for a still picture on a DVD-R/DVD-RW in VR mode.

## Searching by scene

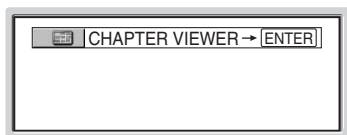
### (Picture Navigation)

### (DVD VIDEO, VIDEO CD only)

You can divide the screen into 9 subscreens and find the desired scene quickly.

#### 1 Press PICTURE NAVI during playback.

The following display appears.

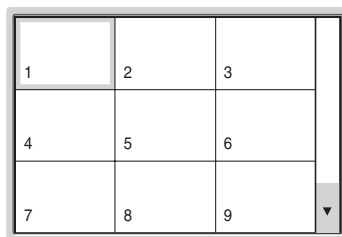


#### 2 Press PICTURE NAVI repeatedly to select an item.

- [TITLE VIEWER] (DVD VIDEO only)
- [CHAPTER VIEWER] (DVD VIDEO only)
- [TRACK VIEWER] (VIDEO CD only)

#### 3 Press Ⓢ (ENTER).

The first scene of each title, chapter, or track appears as follows.



#### 4 Press ←/↑/↓/→ to select a title, chapter, or track, and press Ⓢ (ENTER). Playback starts from the selected scene.

## To return to normal play during setting

Press Ⓢ RETURN or DISPLAY.

#### Note

Depending on the disc, you may not be able to select some items.

## Displaying various angles and subtitles

### Changing the angles (DVD VIDEO only)

If various angles (multi-angles) for a scene are recorded on a DVD VIDEO, you can change the viewing angle.

Press ANGLE during playback.

Each time you press ANGLE, the angle changes.

#### Note

Depending on the DVD VIDEO, you may not be able to change the angle even if multi-angles are recorded on the DVD VIDEO.

### Displaying the subtitles (DVD VIDEO, DVD-VR only)

If subtitles are recorded on a disc, you can turn the subtitles on or off while playing. If multilingual subtitles are recorded on the disc, you can change the subtitle language while playing, or turn the subtitles on or off whenever you want.

Press SUBTITLE during playback.

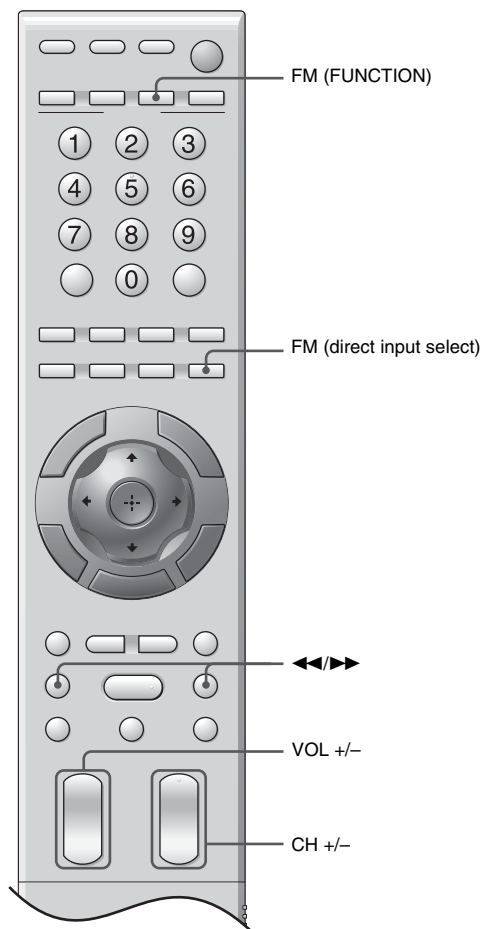
Each time you press SUBTITLE, the subtitle language changes. A 4-digit language code number appears. Refer to “Language code list (DVD function only)” on page 76.

#### Note

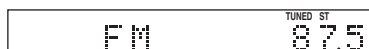
Depending on the DVD VIDEO, you may not be able to change the subtitles even if multilingual subtitles are recorded on it. You also may not be able to turn them off.

# Listening to the FM radio

Preset FM radio stations in the system's memory first (see "Presetting FM radio stations" (page 37)).



- 1 Press **FM (FUNCTION)** to switch the remote **FUNCTION** to **FM**.
- 2 Press **FM (direct input select)**.  
"FM" appears in the front panel display.  
The last received station is tuned in.



- 3 Press **CH +** or **-** repeatedly to select the preset station you want.  
Each time you press the button, the system tunes in one preset station.

You can also select a preset station by entering its number with number buttons, then press

 (ENTER).

- 4 Adjust the volume by pressing **VOL +/-**.

### To turn off the FM radio

Press **POWER**.

### To listen to non-preset FM radio stations



Use manual or automatic tuning in step 2.

For manual tuning, press **▶▶** or **◀◀** repeatedly.

For automatic tuning, press and hold **▶▶** or **◀◀**.

Press **■** when you stop the automatic tuning.

### When an FM program is noisy

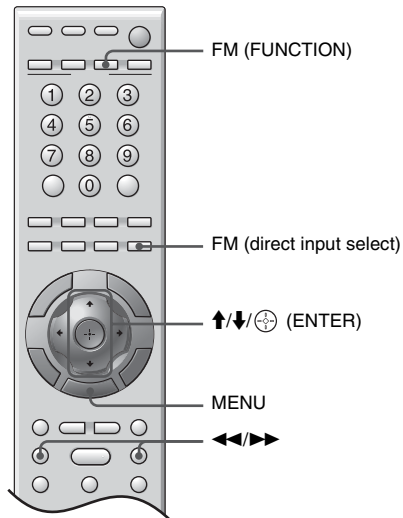
- 1 Press **MENU**.
- 2 Press **↑/↓** repeatedly until "FM MODE?" appears in the front panel display, then press  (ENTER).
- 3 Press **↑/↓** to select "MONO", then press  (ENTER).  
Sound will not be stereo, but the reception will improve.

### Tip

To improve reception, reorient the supplied antenna.

# Presetting FM radio stations

You can preset 20 FM stations. Before tuning, make sure to turn down the volume to minimum.



- 1 Press FM (FUNCTION) to switch the remote FUNCTION to FM.
- 2 Press FM (direct input select).  
“FM” appears in the front panel display.
- 3 Press and hold ▶▶ or ◀◀ until the auto scanning starts.  
Scanning stops when the system tunes in a station.  
“TUNED” and “ST” (for stereo program) appear in the front panel display.



- 4 Press MENU.
- 5 Press ↑/↓ repeatedly until “Memory?” appears in the front panel display.
- 6 Press ⊕ (ENTER).  
A preset number appears in the front panel display.



- 7 Press ↑/↓ to select the preset number you want.



- 8 Press ⊕ (ENTER).  
The station is stored.



- 9 Repeat 1 to 7 to store other stations.

## To change the preset number

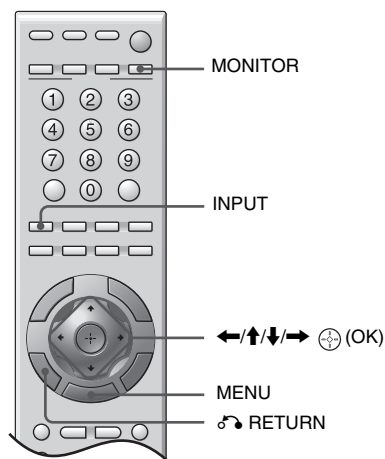
Restart from step 1.

### Note

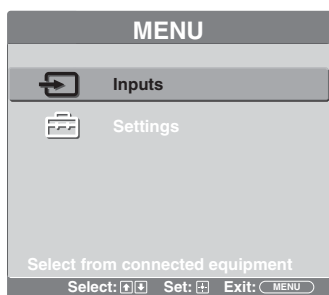
These preset settings will be reset when the AC power cord (mains lead) is disconnected for more than a half of a day.

## Using the Monitor Menu

# Navigating through menus



- 1 Press MONITOR to switch the remote FUNCTION to MONITOR.
- 2 Press INPUT repeatedly to select the desired input (other than FM).
- 3 Press MENU.  
MENU display appears.



- 4 Press  $\uparrow/\downarrow$  to select the item.
  - [Inputs]: Selects equipment that is connected to the system. You can assign a label to your equipment or skip unused inputs conveniently. For details, see page 45.
  - [Settings]: Adjusts the [Video], [Screen], [Parent], or [Setup] settings. For details, see page 38.
- 5 Press  $\leftarrow/\uparrow/\downarrow/\rightarrow$  to change/set the setting, then press  $\oplus$  (OK).  
To exit the menu, press MENU.  
To return to the last display, press  $\curvearrowright$  RETURN.

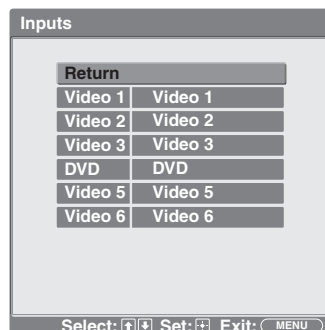
### Note

You cannot use the monitor menus while receiving the FM signals.

## Using Inputs in MENU

The Inputs feature lets you select the inputs connected to your system. You can also assign a label using Label Video Inputs in the Setup settings (see page 45).

- 1 Select [Inputs] from the MENU control panel and press  $\oplus$  (OK).  
The Inputs list appears. Make your selection.



- 2 Press  $\uparrow/\downarrow$  to select the desired input and press  $\oplus$  (OK).

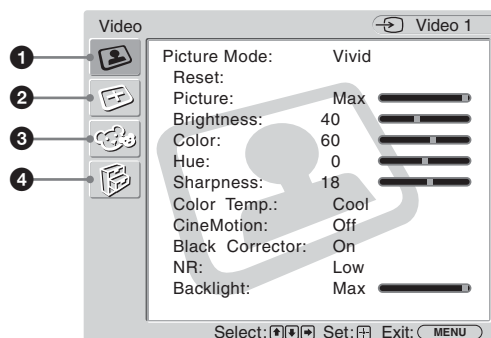
## Using Settings in MENU

The Settings feature lets you enter to the settings screen where most of advanced settings and adjustments are performed.

### Overview of the Settings menus

The following options are available in each menu. For details on navigating through menus, see page 39. Also, see page in parentheses for details of each menu.

- 1 Select [Settings] from the MENU control panel and press  $\oplus$  (OK).  
[Settings] display appears.
- 2 Press  $\uparrow/\downarrow$  to select the options.



**1**  **Video**

- Picture Mode (39)
- Reset (39)
- Picture/Brightness/Color/Hue/Sharpness (40)
- Color Temp. (40)
- CineMotion (40)
- Black Corrector (40)
- NR (40)
- Backlight (40)

**2**  **Screen**

- Wide Mode (41)
- 4:3 Default (41)
- Overscan (41)
- V Center (41)
- H Center (42)
- Phase (42)
- Pitch (42)
- Reset (42)

**3**  **Parent**

- Lock (42)
- Select Country (43)
- Change Password (43)

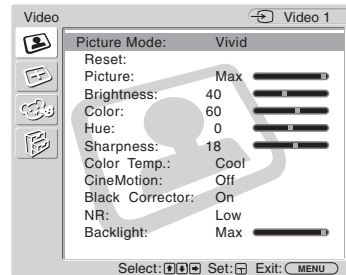
**4**  **Setup**

- Caption Vision (44)
- Info Banner (44)
- Label Video Inputs (45)
- Language (45)
- Auto YC (45)
- Power Saving (45)
- Light Sensor (46)

**Note**

The options you can adjust vary depending on the situation. Only the options that can be operated are displayed.

# Video menu






You can select the options listed below on the Video menu. To select options, see “Navigating through menus” (page 38).

**Tips**

- You can alter the Video settings for each mode.
- [Color], [Hue], [Sharpness], [CineMotion], [Black Corrector] and [NR] are not available for PC input.

## Picture Mode

Selects the picture mode.




- 1** Press  (OK) to select [Picture Mode].
- 2** Press  to select one of the following picture modes, then press  (OK).
  - [Vivid]: For enhanced picture contrast and sharpness.
  - [Standard]: For standard picture. Recommended for home entertainment.
  - [Pro]: Selects for professional monitor like appearance settings.

**Tips**

- You can also change the picture mode by pressing PICTURE repeatedly.
- You can alter the Picture Mode options for each video input.




## Reset

Reset all the picture settings to the factory settings.




- 1** Press  (OK) to select [Reset].
- 2** Press  to select [OK], then press  (OK).

*Continued*

## Picture/Brightness/Color/Hue/Sharpness




- 1 Press  (OK) to select the option.
  - [Picture]: Adjusts to increase picture contrast, or decrease picture contrast.
  - [Brightness]: Adjusts to brighten or darken the picture.
  - [Color]: Adjusts to increase or decrease color intensity.
  - [Hue]: Adjusts to increase or decrease the green tones.
  - [Sharpness]: Adjusts to sharpen or soften the picture.
- 2 Press  to set the level, then press  (OK).

## Color Temp.

- 1 Press  (OK) to select [Color Temp.].
- 2 Press  to select one of the following, then press  (OK).
  - [Cool]: Gives the white colors a blue tint.
  - [Neutral]: Gives the white colors a neutral tint.
  - [Warm]: Gives the white colors a red tint.




## CineMotion

Provides an optimized display by automatically detecting film content and applying a reverse 3-2 pulldown process. Moving pictures will appear clearer and more natural-looking.

- 1 Press  (OK) to select [CineMotion].
- 2 Press  to select [On], then press  (OK).




## Black Corrector

Enhances the black colors to give the picture strong contrast.

- 1 Press  (OK) to select [Black Corrector].
- 2 Press  to select [On], then press  (OK).




## NR (Noise Reduction)

Reduces the noise level of connected equipment.

- 1 Press  (OK) to select [NR].
- 2 Press  to select one of the options, and then press  (OK).

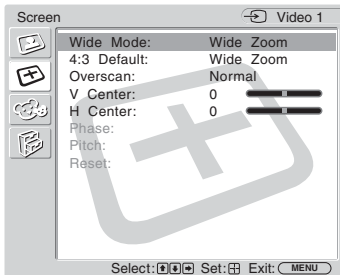
## Backlight

Adjusts to brighten or darken the backlight.

- 1 Press  (OK) to select [Backlight].
- 2 Press  to set the level, then press  (OK).



# Screen menu



You can select the options listed below on the Screen menu. To select options, see “Navigating through menus” (page 38).

## Wide Mode

Selects a Wide Mode to use for 4:3 sources.

- 1 Press **⊕** (OK) to select [Wide Mode].
- 2 Press **↑/↓** to select one of the following, then press **⊕** (OK).
  - [Wide Zoom]: Selects to enlarge to fill screen with minimum distortion.
  - [Normal]: Selects to display 4:3 picture in original size when the original source is 4:3 (Standard definition source).
  - [Full]: Selects to enlarge the original picture horizontally to fill the screen when the original source is 4:3 (Standard definition source). When the original source is 16:9 (High definition source), select this mode to display 16:9 picture in original size.
  - [Zoom]: Selects to enlarge the original picture without distorting the aspect ratio.

### Tips

- To change from one Wide Mode option to another, press WIDE.
- For Wide Zoom and Zoom modes, you can adjust the vertical position of the picture. For details, see page 41.
- Normal, Full1 and Full2 are available for Wide Mode when VIDEO 6 is selected.

## 4:3 Default

Selects the default Screen mode to use for 4:3 sources.

- 1 Press **⊕** (OK) to select [4:3 Default].
- 2 Press **↑/↓** to select one of the following, then press **⊕** (OK).

- [Wide Zoom]: Selects to enlarge the 4:3 picture to fill the 16:9 screen, keeping the original image as much as possible.
- [Normal]: Selects to return the 4:3 picture to its original size.
- [Full]: Selects to enlarge the 4:3 picture horizontally only, to fill the 16:9 screen.
- [Zoom]: Selects to enlarge the 4:3 picture horizontally and vertically to an equal aspect ratio that fills the 16:9 screen. Useful for watching Letterbox movies.
- [Off]: Selects to continue using the current Wide Mode setting when the channel or input is changed.

### Tips

- 4:3 Default functions only when the monitor receives 480i or 480p signals.
- If 4:3 Default option is set to anything but [Off], the Wide Mode setting changes only for the current channel. When you change channels (or inputs), Wide Mode is automatically replaced with the 4:3 Default setting for 4:3 sources. To retain the current Wide Mode setting as channels and inputs are changed, set 4:3 Default to [Off].

### Note

This setting is not available for VIDEO 6.

## Overscan

Allows you to adjust the viewable picture area size.

- 1 Press **⊕** (OK) to select [Overscan].
- 2 Press **↑/↓** to select one of the following, then press **⊕** (OK).
  - [Normal]: Displays a standard size picture.
  - [+1]/[+2]: Allows you to adjust the viewable picture area size. This is useful for viewing ticker tape or banners at the top or bottom of the screen.

### Note

This setting is not available for VIDEO 6.

## V Center (Vertical Center)

Allows you to move the position of the picture up and down in the window. Available only in Wide Zoom and Zoom modes.

- 1 Press **⊕** (OK) to select [V Center].
- 2 Press **↑/↓** to choose a correction between -10 and +10, then press **⊕** (OK).

### Tip

The setting of V Center can be between -50 and +50 for VIDEO 6.

*Continued*

## H Center (Horizontal Center)

Allows you to move the position of the picture left and right in the window. This function allows for horizontal adjustment of the picture being displayed.

- 1 Press  $\oplus$  (OK) to select [H Center].
- 2 Press  $\uparrow/\downarrow$  to choose a correction between -10 and +10, then press  $\oplus$  (OK).

### Tips

- The setting of H Center can be between -50 and +50 for VIDEO 6.
- This feature is useful if the monitor is connected to game equipment.

## Phase

Adjusts after [Pitch] to fine tune overall sharpness.

- 1 Press  $\oplus$  (OK) to select [Phase].
- 2 Press  $\uparrow/\downarrow$  to select the setting, then press  $\oplus$  (OK).

### Tips

- This function is available only for VIDEO 6.
- Adjust [Phase] and [Pitch] with [Wide Mode] set to [Normal].

## Pitch

Adjusts uneven sharpness on screen.

- 1 Press  $\oplus$  (OK) to select [Pitch].
- 2 Press  $\uparrow/\downarrow$  to select the setting, then press  $\oplus$  (OK).

### Tips

- This function is available only for VIDEO 6.
- Adjust [Phase] and [Pitch] with [Wide Mode] set to [Normal].

## Reset

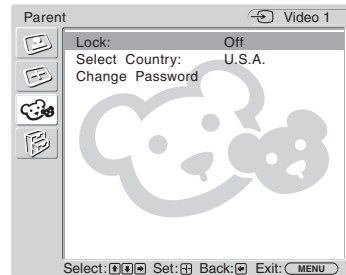
Clears [V Center], [H Center], [Phase], and [Pitch] adjustments you made to the factory settings.

- 1 Press  $\oplus$  (OK) to select [Reset].
- 2 Press  $\uparrow/\downarrow$  to select [OK], then press  $\oplus$  (OK).

### Tip

This function is available only for VIDEO 6.

## Parent menu



You can select the options listed below on the Parent menu. To select options, see “Navigating through menus” (page 38).

### Tip

You need your password for any future access into the Parent settings. If you lose your password, enter the following master password: 4357. The master password clears your previous password and allows you to enter a new password.

### Notes

- Use number buttons to enter a four-digit password.
- The first time you create a password, confirm the password by entering it again.
- This function is not available when DVD is selected.
- To set DVD PARENTAL CONTROL, see page 61.

## Lock

Turns ratings on/off and select a rating system.

- 1 Press  $\oplus$  (OK) to select [Lock].
- 2 Press  $\uparrow/\downarrow$  to select one of the following, then press  $\oplus$  (OK).
  - [Off]: Parental lock is off. No programs are blocked from viewing.
  - [Child]: Maximum ratings permitted are:
    - US: TV-Y, TV-G, G
    - Canada: C, G, TV-Y, TV-G
  - [Youth]: Maximum ratings permitted are:
    - US: TV-PG, PG
    - Canada: C8+, PG, 8ans+, TV-PG
  - [Young Adult]: Maximum ratings permitted are:
    - US: TV-14, PG-13
    - Canada: 14+, 13ans+, TV-14
  - [Custom]: Selects to set ratings manually.
    - US: See page 43 for details.
    - Canada: See page 43 for details.

### Tips

- If you are not familiar with the Parental Guideline rating system, you should select [Child], [Youth], or [Young Adult] to help simplify the rating selection. To set more specific ratings, select [Custom].
- For descriptions of [Child], [Youth], and [Young Adult] ratings, see page 43.

## Select Country

Selects country settings.

- 1 Press  $\oplus$  (OK) to select [Select Country].
- 2 Press  $\uparrow/\downarrow$  to select one of the following, then press  $\oplus$  (OK).
  - [U.S.A.]: Selects to use USA ratings (see page 43).
  - [Canada]: Selects to use Canadian ratings (see page 44).

## Change Password

Changes your password.

- 1 Press  $\oplus$  (OK) to select [Change Password].
- 2 Enter a new 4-digit password using number buttons.  
[Confirm password] appears.
- 3 Enter a new 4-digit password again using the number buttons.

## Selecting custom rating options (for US model)

For US model, the custom rating menu includes the following options. For Canadian model, see page 44.

### Tips

- The Content-Based Ratings are linked to the level of the Age-Based Rating. For example, a program with the Age-Based Rating of [TV-PG V] (Violence) rating may contain moderate violence, while a [TV-14 V] (Violence) rating may contain more intense violence.
- To ensure maximum blocking capability, set the Age-Based Ratings.
- If you block unrated TV programs, be aware that the following types of programs may be blocked: programs broadcast from another country, emergency broadcasts, political programs, sports, news, public service announcements, religious programs and weather.

Option	Description
<b>Movie Rating</b>	[G]: All children and General Audience. [PG]: Parental Guidance suggested. [PG-13]: Parental Guidance for children under 13. [R]: Restricted viewing, parental guidance is suggested for children under 17. [NC-17 and X]: No one 17 or under allowed.
<b>TV Rating</b>	Blocks programs by their rating, content or both.
Age-Based Ratings	[TV-Y]: All children. [TV-Y7]: Directed to children age 7 and older. [TV-G]: General Audience. [TV-PG]: Parental Guidance suggested. [TV-14]: Parents Strongly cautioned. [TV-MA]: Mature Audience only.
Content-Based Ratings	[FV]: Fantasy Violence. [D]: Suggestive Dialogue. [L]: Strong Language. [S]: Sexual situations. [V]: Violence.
<b>Unrated</b>	Blocks programs or movies that are broadcast without a rating. [Allow]: Allows programs and movies that are broadcast without a rating. [Block]: Blocks all programs and movies that are broadcast without a rating.

### Viewing blocked programs

You can view blocked programs by entering the password. Press ENT when tuned to a blocked program, then enter the password. This temporarily switches off Parent settings. To reactivate the Parent settings, turn off the system. When the system is turned on again, your Parent settings are reactivated.

*Continued*

## Selecting custom rating options (for Canadian model)

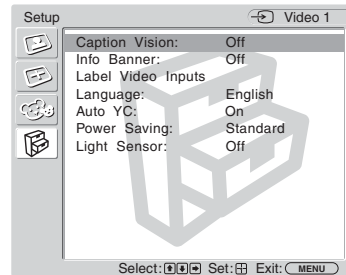
For Canadian model, the custom rating menu includes the following options. For US model, see page 43.

Option	Description
<b>English Rating</b>	[C]: All children. [C8+]: Children 8 years and older. [G]: General programming. [PG]: Parental Guidance. [14+]: Viewers 14 and older. [18+]: Adult programming.
<b>French Rating</b>	[G]: General programming. [8ans+]: Not recommended for young children. [13ans+]: Not recommended for ages under 13. [16ans+]: Not recommended for ages under 16. [18ans+]: Programming restricted to adults.
<b>U.S.A. Rating</b>	See “Selecting custom rating options (for US model)” on page 43 for details.

### Viewing blocked programs

You can view blocked programs by entering the password. Press ENT when tuned to a blocked program, then enter the password. This temporarily switches off Parent settings. To reactivate the Parent settings, turn off the system. When the system is turned on again, your Parent settings are reactivated.

## Setup menu



You can select the options listed below on the Setup menu. To select options, see “Navigating through menus” (page 38).

Option	Description
<b>Caption Vision</b>	Allows you to select from several closed caption modes (for programs that are broadcast with closed caption). [Off]: [Caption Vision] is turned off. [CC1]/[CC2]/[CC3]/[CC4]: Displays a printed version of the dialog or sound effects of a program. (Should be set to [CC1] for most programs.) [Text1]/[Text2]/[Text3]/[Text4]: Displays network/station information presented using either half or the whole screen (if available).
<b>Info Banner</b>	Set to [On] or [Off]. When [On], displays the program name (if the broadcaster offers this service). Displays for up to four seconds when DISPLAY is pressed.

Option	Description
<b>Label Video Inputs</b>	<p>Allows you to identify A/V equipment you connected to the system, such as a cable box, satellite receiver, etc. For example, if you have a cable box connected to the VIDEO (IN) 1 jack, you can select the label Cable Box for the VIDEO (IN) 1 input. Then when you press VIDEO 1 to change inputs, the video label you assigned to that input appears on screen.</p> <ol style="list-style-type: none"> <li>1 Press <b>↑/↓</b> to highlight the video input (VIDEO 1, 2, 3, 5, 6 or DVD) to which you want to assign a label. Then press <b>⊕</b> (OK) to select the input.</li> <li>2 Press <b>↑/↓</b> to highlight one of the displayed labels. Then press <b>⊕</b> (OK) to select the label.</li> </ol> <p>You can select from the following labels for each input:</p> <p>[Video 1-3]: Video 1-3, VHS, DVD, Receiver, Satellite, Cable Box, 8mm, DTV, Game, LD, Beta, Skip</p> <p>[DVD]: DVD, Skip</p> <p>[Video 5]: Video 5, DVD, Satellite, Cable Box, DTV, HD, Game, PVR, Skip</p> <p>[Video 6]: Video 6, PC, DVD, HD, Game, Skip</p> <p><b>Tip</b> If you have assigned video labels, you can access the [Inputs] list on the MENU screen.</p> <p><b>Note</b> If you select Skip, your system skips this input when you press INPUT.</p>
<b>Language</b>	<p>Selects to display all on-screen settings in your language of choice: English, Español, Français.</p>

Option	Description
<b>Auto YC</b>	<p>When connecting both VIDEO IN and S VIDEO IN, you can select the jack from which the system receives the input signal. The system is factory set to receive S VIDEO input signals.</p> <ol style="list-style-type: none"> <li>1 Press <b>INPUT</b> repeatedly until the desired video input appears.</li> <li>2 After selecting the [Auto YC] option, to watch the pictures input from the S VIDEO input jack: Press <b>↑/↓</b> to select [On], then press <b>⊕</b> (OK). To watch the pictures input from the VIDEO input jack: Press <b>↑/↓</b> to select [Off], then press <b>⊕</b> (OK).</li> <li>3 Press <b>MENU</b> to exit settings.</li> </ol> <p><b>Note</b> When you set [Off], the system accepts the signals from the VIDEO input only.</p>
<b>Power Saving</b>	<p>[Standard]: Selects to view picture without the benefit of [Power Saving].</p> <p>[Reduced]: Selects to view picture with reduced power consumption. It also enhances the black level.</p> <p>[Picture Off]: Selects to turn off the picture. Audio stays on with your selected volume setting.</p> <p><b>Tip</b> You can also change the Power Saving setting by pressing <b>POWER SAVING</b> repeatedly.</p>

*Continued*

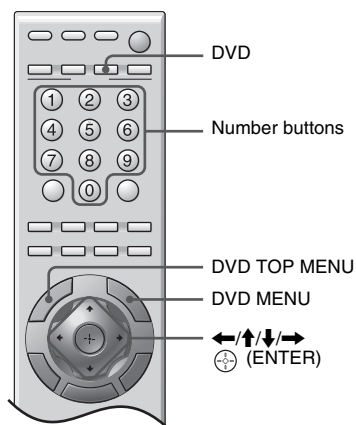
Option	Description
<b>Light Sensor</b>	<p>Selects [On] to enable the automatic brightness control. The light sensor measures the room brightness which allows the system to automatically adjust the picture brightness based on the picture settings and the ambient room light conditions.</p> <p><b>Tip</b> In low light ambient the range of the backlight control is reduced when the light sensor is set to [On].</p> <p><b>Note</b> Be sure not to put anything around the sensor, as its function may be affected. See page 16 on the sensor.</p>

# Navigating through menus

### DVD-V

A DVD is divided into a lot of sections, which make up a picture or music feature. These sections are called "titles." When you play a DVD which contains several titles, you can select the title you want using DVD TOP MENU.

When you play DVDs that allow you to select items such as the language for the subtitles and the language for the sound, select these items using DVD MENU.



- 1** Press DVD (FUNCTION) to switch the remote FUNCTION to DVD.
- 2** Press DVD TOP MENU or DVD MENU.  
The disc's menu appears on the monitor screen.  
The contents of the menu vary from disc to disc.
- 3** Press ←/↑/↓/→ or the number buttons to select the item you want to play or change.
- 4** Press ⊕ (ENTER).

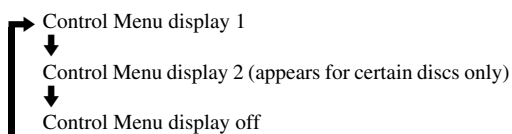
## Using the Player Control Menu

# Navigating through menus



Use the Control Menu to select a function and to view related information.

- 1** Press DVD (FUNCTION) to switch the remote FUNCTION to DVD.
- 2** Press DISPLAY repeatedly to turn on or change the Control Menu display as follows:



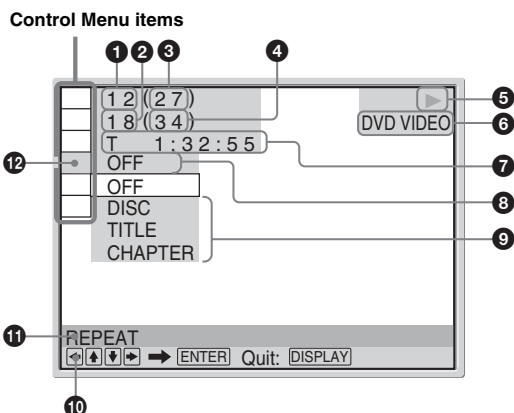
### To turn off the display

Press DISPLAY.

## Overview of the menus

The Control Menu display 1 and 2 will show different items depending on the disc type. For details about each item, see the pages in parentheses.

Example: Control Menu display 1 when playing a DVD VIDEO.



- 1** Currently playing title number\*<sup>1</sup>
- 2** Currently playing chapter number\*<sup>2</sup>
- 3** Total number of titles\*<sup>1</sup>
- 4** Total number of chapters\*<sup>2</sup>
- 5** Playback status (▶ Playback, ⏸ Pause, ■ Stop, etc.)
- 6** Type of disc being played\*<sup>3</sup>
- 7** Playing time\*<sup>4</sup>
- 8** Current setting
- 9** Options
- 10** Operation message
- 11** Function name of selected Control Menu item
- 12** Selected item

\*1 Displays the scene number for VIDEO CDs (PBC is on), track number for VIDEO CDs/Super Audio CDs/CDs, album number for DATA CDs/DATA DVDs.


















\*2 Displays the index number for VIDEO CDs/Super Audio CDs, MP3 audio track number, or JPEG image file number for DATA CDs/DATA DVDs.

\*3 Displays Super VCD as "SVCD." Displays "MP3" in the Control Menu display 1 or "JPEG" in the Control Menu 2 for DATA CDs/DATA DVDs.

\*4 Displays the date for JPEG files.





## List of Control Menu items

Item	Item Name, Function, Relevant Disc Type
	<b>[TITLE] (page 50)/[SCENE] (page 50)/[TRACK] (page 50)</b> Selects the title, scene, or track to be played. <span style="float: right;">DVD-V DVD-VR VIDEO CD</span>
	<b>[CHAPTER] (page 50)/[INDEX] (page 50)</b> Selects the chapter or index to be played. <span style="float: right;">DVD-V DVD-VR VIDEO CD</span>
	<b>[INDEX] (page 50)</b> Displays the index and selects the index to be played. <span style="float: right;">Super Audio CD</span>
	<b>[TRACK] (page 50)</b> Selects the track to be played. <span style="float: right;">C D DATA CD DATA DVD Super Audio CD</span>
	<b>[ORIGINAL/PLAY LIST] (page 51)</b> Selects the type of titles (DVD-R/DVD-RW) to be played, the [ORIGINAL] one, or an edited [PLAY LIST]. <span style="float: right;">DVD-VR</span>
	<b>[TIME/TEXT] (page 50)</b> Checks the elapsed time and the remaining playback time. Input the time code for picture and music searching. Displays the DVD/CD text or the MP3 track name. <span style="float: right;">DVD-V DVD-VR VIDEO CD C D DATA CD DATA DVD Super Audio CD</span>
	<b>[PROGRAM] (page 53)</b> Selects the track to play in the order you want. <span style="float: right;">VIDEO CD C D Super Audio CD</span>
	<b>[SHUFFLE] (page 54)</b> Plays the track in random order. <span style="float: right;">VIDEO CD C D Super Audio CD</span>
	<b>[REPEAT] (page 55)</b> Plays the entire disc (all titles/all tracks/all albums) repeatedly or one title/chapter/track/album repeatedly. <span style="float: right;">DVD-V DVD-VR VIDEO CD C D DATA CD DATA DVD Super Audio CD</span>
	<b>[PARENTAL CONTROL] (page 60)</b> Sets to prohibit playback on this system. <span style="float: right;">DVD-V VIDEO CD C D Super Audio CD</span>
	<b>[SETUP] (page 62)</b> [QUICK] Setup (page 22) Use Quick Setup to choose the desired DVD language. [CUSTOM] Setup In addition to the Quick Setup setting, you can adjust various other settings. [RESET] Returns the settings in [SETUP] to the default setting. <span style="float: right;">DVD-V DVD-VR VIDEO CD C D DATA CD DATA DVD Super Audio CD</span>
	<b>[ALBUM] (page 50)</b> Selects the album to be played. <span style="float: right;">DATA CD DATA DVD</span>
	<b>[FILE] (page 50)</b> Selects the JPEG image file to be played. <span style="float: right;">DATA CD DATA DVD</span>
	<b>[DATE] (page 53)</b> Displays the date when the picture was taken. <span style="float: right;">DATA CD DATA DVD</span>
	<b>[INTERVAL] (page 59)</b> Specifies the duration for which the slides are displayed on the screen. <span style="float: right;">DATA CD DATA DVD</span>
	<b>[EFFECT] (page 59)</b> Selects the effects to be used for changing slides during a slide show. <span style="float: right;">DATA CD DATA DVD</span>
	<b>[MODE (MP3, JPEG)] (page 58)</b> Selects the data type; MP3 audio track (AUDIO), JPEG image file (IMAGE) or both (AUTO) to be played when playing a DATA CD/DATA DVD. <span style="float: right;">DATA CD DATA DVD</span>

## Tip

The Control Menu icon indicator lights up in green

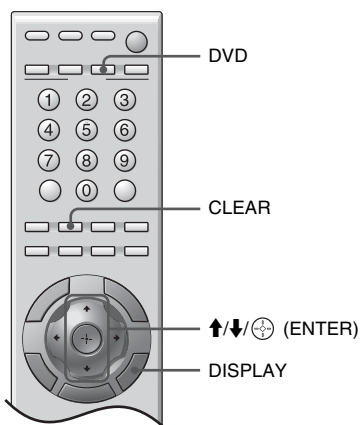
 →  when you select any item except [OFF] ([PROGRAM], [SHUFFLE], [REPEAT] only). The [ORIGINAL/PLAY LIST] indicator lights up in green when you select [PLAY LIST] (default setting).

# Searching/selecting the disc

## Searching for a title/chapter/track/scene, etc.

DVD-V DVD-VR VIDEO CD Super Audio CD CD DATA CD DATA DVD

You can search a DVD by title or chapter, and you can search a VIDEO CD/Super Audio CD/CD/DATA CD/DATA DVD by track, index, or scene. As titles and tracks are assigned unique numbers on the disc, you can select the desired one by entering its number. Or, you can search for a scene using the time code.



- 1 Press DVD (FUNCTION) to switch the remote FUNCTION to DVD.
- 2 Press DISPLAY. (When playing a DATA CD/DATA DVD with JPEG image files, press DISPLAY twice.)  
The Control Menu appears.
- 3 Press  $\uparrow/\downarrow$  to select the search method.

### ■ When playing a DVD VIDEO/DVD-R/DVD-RW

- [TITLE]
- [CHAPTER]
- [TIME/TEXT]

Select [TIME/TEXT] to search for a starting point by inputting the time code.

### ■ When playing a VIDEO CD without PBC Playback

- [TRACK]
- [INDEX]

### ■ When playing a VIDEO CD with PBC Playback

- [SCENE]

### ■ When playing a Super Audio CD

- [TRACK]
- [INDEX]

### ■ When playing a CD

- [TRACK]

### ■ When playing a DATA CD/DATA DVD (MP3 audio)

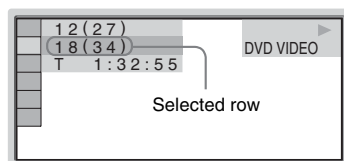
- [ALBUM]
- [TRACK]

### ■ When playing a DATA CD/DATA DVD (JPEG file)

- [ALBUM]
- [FILE]

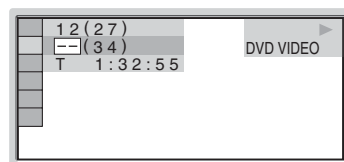
Example: when you select [CHAPTER] [\*\* (\*\*)] is selected (\*\* refers to a number).

The number in parentheses indicates the total number of titles, chapters, tracks, indexes, scenes, albums or files.



- 4 Press  $\odot$  (ENTER).

[\*\* (\*\*)] changes to [- - (\*\*)].



- 5 Press  $\uparrow/\downarrow$  or the number buttons to select the title, chapter, track, index, scene, etc., number you want to search for.

### If you make a mistake

Cancel the number by pressing CLEAR, then select another number.

- 6 Press  $\odot$  (ENTER).

The system starts playback from the selected number.

## To search for a scene using the time code (DVD VIDEO/DVD-R/DVD-RW only)

- 1 In step 2, select [TIME/TEXT].  
[T \*\*:\*\*:\*\*] (playing time of the current title) is selected.

**2** Press **⊕** (ENTER).  
[T \*\*:\*\*:\*\*] changes to [T --:--:--].

**3** Input the time code using the number buttons, then press **⊕** (ENTER).  
For example, to find the scene at 2 hours, 10 minutes, and 20 seconds after the beginning, just enter [2:10:20].

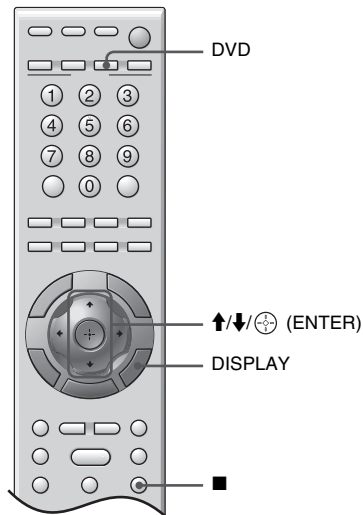
**Tip**  
When the Control Menu display is turned off, you can search for a chapter (DVD VIDEO/DVD-R/DVD-RW) or track (Super Audio CD/CD) by pressing the number buttons and **⊕** (ENTER).

**Note**  
You cannot search for a scene on a DVD+R/DVD+RW using the time code.

## Selecting [ORIGINAL] or [PLAY LIST] on a DVD-R/DVD-RW

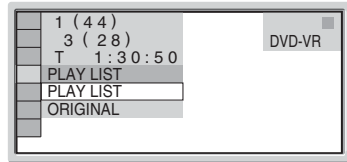
### DVD-VR

Some DVD-Rs/DVD-RWs in VR (Video Recording) mode have two types of titles for playback: originally recorded titles ([ORIGINAL]) and titles that can be created on recordable DVD players for editing ([PLAY LIST]). You can select the type of title to be played.



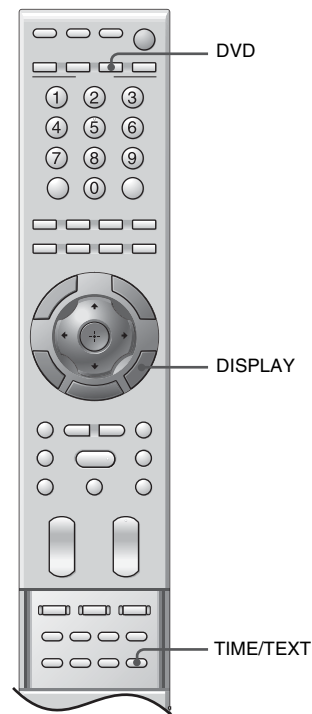
- 1** Press DVD (FUNCTION) to switch the remote FUNCTION to DVD.
- 2** Press DISPLAY. (If a disc is playing, press **■** to stop playback, then press DISPLAY.)  
The Control Menu appears.
- 3** Press **↑/↓** to select **▶◀** [ORIGINAL/PLAY LIST], then press **⊕** (ENTER).

The options for [ORIGINAL/PLAY LIST] appear.



- 4** Press **↑/↓** to select a setting.
  - [PLAY LIST]: Plays the titles created from [ORIGINAL] for editing.
  - [ORIGINAL]: Plays the titles originally recorded.
- 5** Press **⊕** (ENTER).

## Viewing information about the disc



With cover opened.

## Viewing the playing time and remaining time in the front panel display

You can check disc information, such as the remaining time, total number of titles in a DVD, tracks in a VIDEO CD, Super Audio CD, CD, or MP3 using the front panel display (page 66).

*Continued*

**1** Press DVD (FUNCTION) to switch the remote FUNCTION to DVD.

**2** Press TIME/TEXT.

Each time you press TIME/TEXT while playing the disc, the display changes ① → ② → ... →

① → ...

#### When playing a DVD VIDEO or DVD-R/DVD-RW

- ① Playing time and number of the current title
- ② Remaining time of the current title
- ③ Playing time and number of the current chapter
- ④ Remaining time of the current chapter
- ⑤ Disc name
- ⑥ Title and chapter

#### When playing a VIDEO CD (without PBC functions), Super Audio CD, or CD

- ① Playing time of the current track
- ② Remaining time of the current track
- ③ Playing time of the disc
- ④ Remaining time of the disc
- ⑤ Disc name
- ⑥ Track and index\*

\* Except for CD.

#### When playing an MP3

- ① Playing time and current track number
- ② Track (file) name

#### Notes

- The system can only display the first level of the DVD/CD text, such as the Disc name or title.
- If an MP3 file name cannot be displayed, “\*” will appear in the front panel display instead.
- The disc name or track name may not be displayed depending on the text.
- Playing time of MP3 audio tracks may not be displayed correctly.

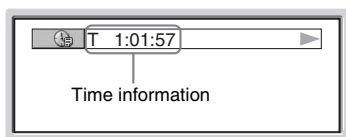
### Checking the playing time and remaining time

You can check the playing time and remaining time of the current title, chapter, or track, and the total playing time or remaining time of the disc. You can also check the DVD text and MP3 folder name/file name recorded on the disc.

**1** Press DVD (FUNCTION) to switch the remote FUNCTION to DVD.

**2** Press TIME/TEXT during playback.

The following display appears.



**3** Press TIME/TEXT repeatedly to change the time information.

The display and the kinds of time that you can check depend on the disc you are playing.

#### ■ When playing a DVD VIDEO or DVD-R/DVD-RW

- T \*\*: \*\*: \*\*  
Playing time of the current title
- T\_ \*\*: \*\*: \*\*  
Remaining time of the current title
- C \*\*: \*\*: \*\*  
Playing time of the current chapter
- C\_ \*\*: \*\*: \*\*  
Remaining time of the current chapter

#### ■ When playing a VIDEO CD (with PBC functions)

- \*: \*: \*\*  
Playing time of the current scene

#### ■ When playing a VIDEO CD (without PBC functions), Super Audio CD, or CD

- T \*\*: \*\*: \*\*  
Playing time of the current track
- T\_ \*\*: \*\*: \*\*  
Remaining time of the current track
- D \*\*: \*\*: \*\*  
Playing time of the current disc
- D\_ \*\*: \*\*: \*\*  
Remaining time of the current disc

#### ■ When playing a DATA CD/DATA DVD (MP3 audio)

- T \*\*: \*\*: \*\*  
Playing time of the current track

#### Notes

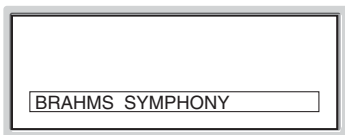
- Only alphabetical letters and numbers can be displayed.
- Depending on the type of disc being played, the system can only display a limited number of characters. Also, depending on the disc, not all text characters will be displayed.

### Checking the play information of the disc

#### To check DVD/Super Audio CD/CD text

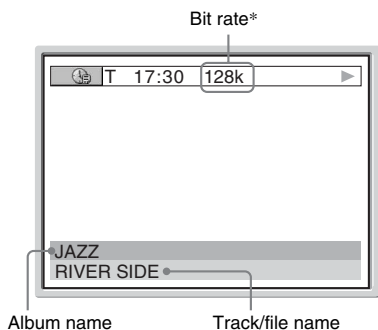
Press TIME/TEXT repeatedly in step 2 to display text recorded on the DVD/Super Audio CD/CD.

The DVD/Super Audio CD/CD text appears only when text is recorded in the disc. You cannot change the text. If the disc does not contain text, “NO TEXT” appears.



### To check DATA CD/DATA DVD (MP3 audio) text

By pressing TIME/TEXT while playing MP3 audio tracks on a DATA CD/DATA DVD, you can display the name of the album/track/file, and the audio bit rate (the amount of data per second of the current audio) on the monitor screen.

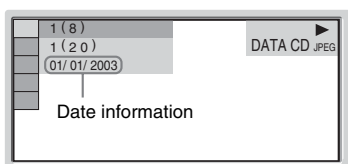


\* Appears when playing an MP3 audio track on DATA CDs/ DATA DVDs.

### Checking the date information (JPEG only)

You can check the date information during playback when the Exif\* tag is recorded in the JPEG image data.

- 1 Press DVD (FUNCTION) to switch the remote FUNCTION to DVD.
- 2 Press DISPLAY twice during playback. The Control Menu appears.



\* "Exchangeable Image File Format" is a digital camera image format defined by the Japan Electronics and Information Technology Industries Association (JEITA).

#### Tip

Date information is [MM/DD/YYYY].  
 MM: Month  
 DD: Day  
 YYYY: Year

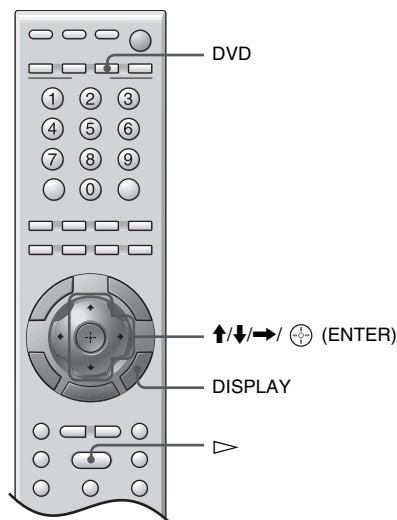
# Using the play mode

## Creating your own program

### (Program Play)

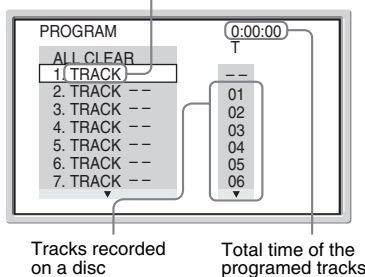
VIDEO CD Super Audio CD C D

You can play the contents of a disc in the order you want by arranging the order of the tracks on the disc to create your own program. You can program up to 99 tracks.



- 1 Press DVD (FUNCTION) to switch the remote FUNCTION to DVD.
- 2 Press DISPLAY. The Control Menu appears.
- 3 Press  $\uparrow/\downarrow$  to select [PROGRAM], then press  $\oplus$  (ENTER). The options for [PROGRAM] appear.
- 4 Press  $\uparrow/\downarrow$  to select [SET  $\rightarrow$ ], then press  $\oplus$  (ENTER).

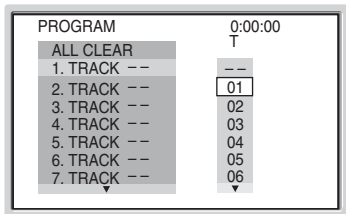
[TRACK] is displayed when you play a VIDEO CD, Super Audio CD, or CD.



*Continued*

## 5 Press →.

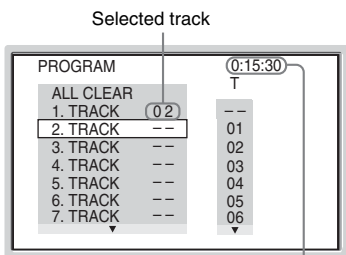
The cursor moves to the track row [T] (in this case, [01]).



## 6 Select the track you want to program.

For example, select track [02].

Press ↑/↓ to select [02] under [T], then press ⊕ (ENTER). The track number may be displayed in 3 digits for a Super Audio CD.



Total time of the programmed tracks

## 7 To program other tracks, repeat steps 4 to 5.

The programmed tracks are displayed in the selected order.

## 8 Press ▷ to start Program Play.

Program Play starts.

“PGM” appears in the front panel display.

When the program ends, you can restart the same program again by pressing ▷.

## To return to normal play

Press CLEAR, or select [OFF] in step 3. To play the same program again, select [ON] in step 3 and press ⊕ (ENTER).

## To turn off the Control Menu

Press DISPLAY repeatedly until the Control Menu is turned off.

## To change or cancel a program

1 Follow steps 1 to 3 of “Creating your own program.”

2 Select the program number of the track you want to change or cancel using ↑/↓. If you want to delete the track from the program, press CLEAR.

3 Follow step 5 for new programming. To cancel a program, select [--] under [T], then press ⊕ (ENTER).

## To cancel all of the tracks in the programmed order

1 Follow steps 1 to 3 of “Creating your own program.”

2 Press ↑ and select [ALL CLEAR].

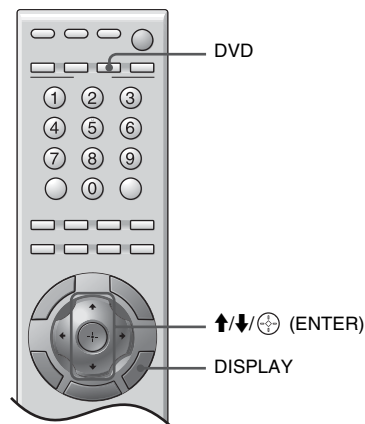
3 Press ⊕ (ENTER).

## Playing in random order

### (Shuffle Play)



You can have the system “shuffle” tracks. Subsequent “shuffling” may produce a different playing order.



1 Press DVD (FUNCTION) to switch the remote FUNCTION to DVD.

2 Press DISPLAY during playback. The Control Menu appears.

3 Press ↑/↓ to select  [SHUFFLE], then press ⊕ (ENTER). The options for [SHUFFLE] appear.

4 Press ↑/↓ to select the item to be shuffled.

■ When playing a VIDEO CD, Super Audio CD, or CD

- [TRACK]: Shuffles tracks on the disc.

■ When Program Play is activated

- [ON]: Shuffles tracks selected in Program Play.

## 5 Press $\oplus$ (ENTER).

Shuffle Play starts.

“SHUF” appears in the front panel display.

## To return to normal play

Press CLEAR, or select [OFF] in step 3.

## To turn off the Control Menu

Press DISPLAY repeatedly until the Control Menu is turned off.

### Tip

You can set Shuffle Play while the system is stopped.

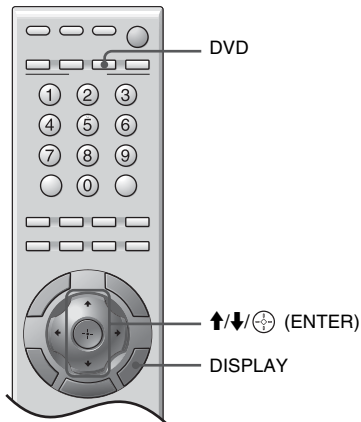
## Playing repeatedly

### (Repeat Play)




You can play all of the titles, tracks or albums on a disc or a single title, chapter, track, or album repeatedly.

You can use a combination of Shuffle or Program Play modes.



1 Press DVD (FUNCTION) to switch the remote FUNCTION to DVD.

2 Press DISPLAY during playback.  
The Control Menu appears.

3 Press  $\uparrow/\downarrow$  to select  [REPEAT], then press  $\oplus$  (ENTER).  
The options for [REPEAT] appear.

4 Press  $\uparrow/\downarrow$  to select the item to be repeated.

The default setting is [OFF]. The system does not play repeatedly when [OFF] is selected.

### ■ When playing a DVD VIDEO or DVD-R/DVD-RW

- [OFF]: Does not play repeatedly.
- [DISC]: Repeats all of the titles on the disc.
- [TITLE]: Repeats the current title on a disc.
- [CHAPTER]: Repeats the current chapter.

### ■ When playing a VIDEO CD, Super Audio CD, or CD

- [OFF]: Does not play repeatedly.
- [DISC]: Repeats all of the tracks on the disc.
- [TRACK]: Repeats the current track.

### ■ When playing a DATA CD or DATA DVD

- [OFF]: Does not play repeatedly.
- [DISC]: Repeats all of the albums on the disc.
- [ALBUM]: Repeats the current album.
- [TRACK] (MP3 audio tracks only): Repeats the current track.

## 5 Press $\oplus$ (ENTER).

The item is selected.

To return to normal play, press CLEAR, or select [OFF] in step 3.

## To turn off the Control Menu

Press DISPLAY repeatedly until the Control Menu is turned off.

### Note

When [MODE (MP3, JPEG)] is set to [IMAGE (JPEG)] (page 58), you cannot select [TRACK].

### Tip

Depending on the repeat type you set, indication in the front panel display may differ:

- “REP”: Repeat all titles, tracks, or albums on a disc.
- “REPI”: Repeat single title, chapter or album on a disc.

# Enjoying the slide show

## About MP3 audio tracks and JPEG image files

### What is MP3/JPEG?

MP3 is audio compression technology that satisfies the ISO/MPEG regulations. JPEG is image compression technology.

### Discs that the system can play

You can play back DATA CDs (CD-ROMs/CD-Rs/CD-RWs) or DATA DVDs (DVD-ROMs/DVD-Rs/DVD-RWs/DVD+Rs/DVD+RWs) recorded in MP3 (MPEG1 Audio Layer 3) and JPEG format. However, the DATA CDs must be recorded according to ISO 9660 Level 1, Level 2 or Joliet format and DATA DVDs of Universal Disk Format for the system to recognize the tracks (or files). You can also play discs recorded in Multi Session\*.

See the instructions supplied with the CD-Rs/CD-RWs or DVD-Rs/DVD-RWs/DVD+Rs/DVD+RWs drives and the recording software (not supplied) for details on the recording format.

\* About the multi-session disc: If MP3 audio tracks or JPEG image files are recorded in the first session, the system will also play MP3 audio tracks or JPEG image files in other sessions. If audio tracks and images in audio CD format or video CD format are recorded in the first session, only the first session will be played back.

### Note

The system may not be able to play some DATA CDs/DATA DVDs created in the Packet Write format.

### MP3 audio track or JPEG image file that the system can play

The system can play the MP3 audio tracks or JPEG image files:

- which have the extension “.MP3” (MP3 audio track) or “.JPG”/“.JPEG” (JPEG image file)
- which conform to the DCF\* image file format

\* “Design rule for Camera File system”: Image standards for digital cameras regulated by Japan Electronics and Information Technology Industries Association (JEITA).

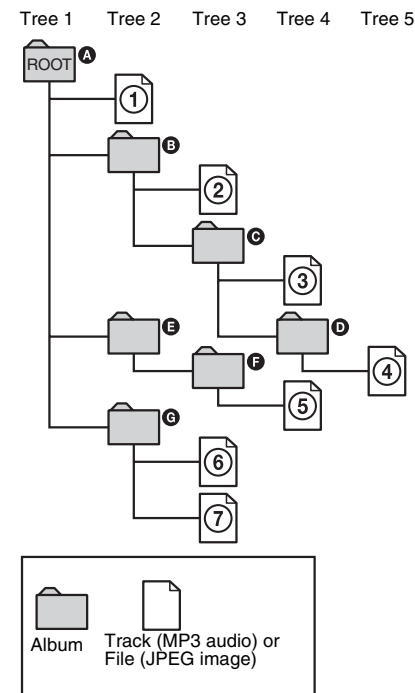
### Notes

- The system will play any data with the extension “.MP3,” “.JPG,” or “.JPEG” even if they are not in MP3 or JPEG format. Playing this data may generate a loud noise which could damage your speaker system.
- The system does not conform to audio in MP3PRO format.

### Playback order of MP3 audio tracks or JPEG image files

The playback order of MP3 audio tracks or JPEG image files recorded on a DATA CD/DATA DVD is as follows:

Structure of disc contents



When you insert a DATA CD/DATA DVD and press  $\triangleright$ , the numbered tracks (or files) are played sequentially, from ① through ⑦. Any sub-albums/tracks (or files) contained within a currently selected album take priority over the next album in the same tree. (Example: ③ contains ④ so ④ is played before ⑤.)

When you press DVD MENU and the list of album names appears (page 57), the album names are arranged in alphabetical order (A → B → C → D → F → G). Albums that do not contain tracks (or files) (such as album E) do not appear in the list.

### Tips

- If you add numbers (01, 02, 03, etc.) to the front of the track/file names when you store the tracks (or files) in a disc, the tracks and files will be played in that order.
- If a disc consists of many trees, it takes longer to start playback.

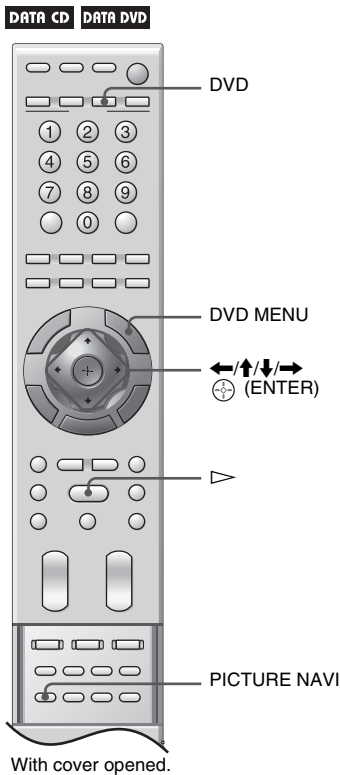
### Notes

- Playback order may differ from the illustration depending on the software you use to create the DATA CD/DATA DVD, or if there are more than 200 albums and 300 files in each album.
- The system can recognize up to 200 albums, and will not play any albums beyond the 200th.



- The system may take longer time to playback, when progressing to the following album or jump to other album.
- Some type of JPEG files cannot be played.

## Playing DATA CDs or DATA DVDs with MP3 audio track and JPEG image files



### Selecting an MP3 audio track or album

- 1 Press DVD (FUNCTION) to switch the remote FUNCTION to DVD.
- 2 Load a DATA CD or DATA DVD.  
The system starts playing from the first album.
- 3 Press DVD MENU.  
The albums recorded on the DATA CD or DATA DVD appear. When an album is being played, its title is shaded.



- 4 Press  $\uparrow/\downarrow$  to select an album.

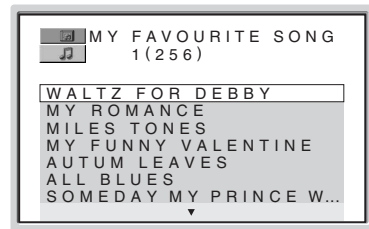
#### ■ When selecting an album

Press  $\triangleright$  to start playing the selected album.

#### ■ When selecting a track

Press  $\oplus$  (ENTER).

A list of the tracks contained in the album appears.



Press  $\uparrow/\downarrow$  to select a track, then press  $\oplus$  (ENTER).

The selected track starts playing. You can turn the track list off by pressing DVD MENU.

Pressing DVD MENU again will display the album list.

#### To play the next or previous MP3 audio track

Press  $\lll/\ggg$ . Note that you can select the next album by continuing to press  $\ggg$  after the last track on the first album, but that you cannot return to the previous album by pressing  $\lll$ . To return to the previous album, select the album from the album list.

#### To return to the previous display

Press  $\curvearrowright$  RETURN.

#### To stop playback

Press  $\blacksquare$ .

#### To turn off the display

Press DVD MENU.

### Selecting a JPEG image file or album

- 1 Press DVD (FUNCTION) to switch the remote FUNCTION to DVD.
- 2 Load a DATA CD or DATA DVD.  
The system starts playing from the first album.
- 3 Press DVD MENU.  
The albums recorded on the DATA CD or DATA DVD appear. When an album is being played, its title is shaded.

*Continued*



4 Press **↑/↓** to select an album.

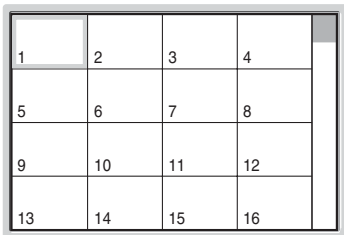
■ **When selecting an album**

Press **▷** to start playing the selected album.

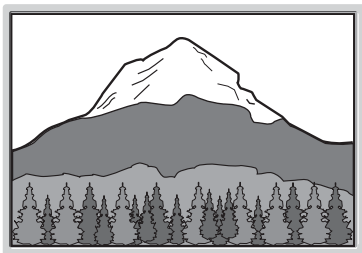
■ **When selecting an image**

Press **PICTURE NAVI**.

Thumbnail images in the album appear in 16 subscreens.



Press **←/↑/↓/→** to select the image, then press **⊕** (ENTER).



**To play the next or previous JPEG image file**

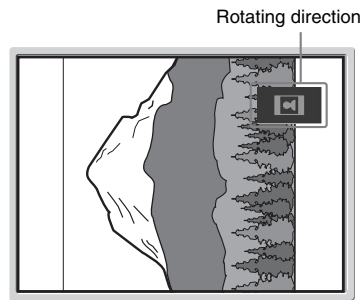
Press **←/→** when the Control Menu is not displayed. Note that you can select the next album by continuing to press **→** after the last image on the first album, but that you cannot return to the previous album by pressing **←**. To return to the previous album, select the album from the album list.

**To rotate a JPEG image**

When a JPEG image file is displayed on the screen, you can rotate the image by 90 degrees.

Press **↑/↓** while viewing an image. Each time you press **↑**, the image rotates counterclockwise by 90 degrees.

Example of when you press **↑** once:



Press **CLEAR** to return to normal view.

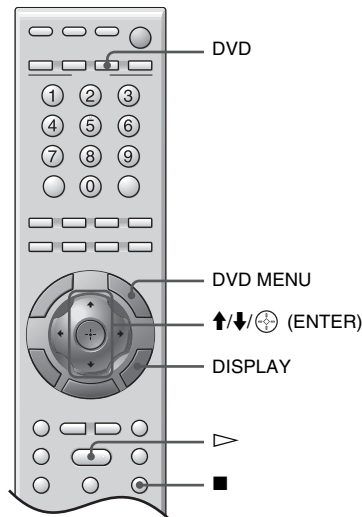
**To stop playback**

Press **■**.


**Playing audio tracks and images as a slide show with sound**

**DATA CD DATA DVD**

You can play a slide show with sound by first placing both MP3 and JPEG files in the same album on a DATA CD or DATA DVD. When you play back the DATA CD or DATA DVD, select [AUTO] mode as explained below.



- 1 Press **DVD (FUNCTION)** to switch the remote FUNCTION to DVD.
- 2 Load a DATA CD or DATA DVD. The system starts playing from the first album.
- 3 Press **■**. The system stops playback.
- 4 Press **DISPLAY**. The Control Menu appears.

- 5 Press **↑/↓** to select  [MODE (MP3, JPEG)], then press **⊕** (ENTER).  
The options for [MODE (MP3, JPEG)] appear.
- 6 Press **↑/↓** to select the setting you want and press **⊕** (ENTER).
  - [AUTO]: Plays both the JPEG image files and MP3 audio tracks in the same album as a slide show.
  - [AUDIO (MP3)]: Plays only MP3 audio tracks continuously.
  - [IMAGE (JPEG)]: Plays only JPEG image files as a slide show.
- 7 Press DVD MENU.  
The list of albums recorded on the DATA CD or DATA DVD appears.
- 8 Press **↑/↓** to select the album you want and press **▷**.  
The system starts playing the selected album.  
You can turn the album list on and off by pressing DVD MENU repeatedly.

**Tip**


When you select [AUTO], the system can recognize up to 300 MP3 tracks and 300 JPEG files in a single album. When you select [AUDIO (MP3)] or [IMAGE (JPEG)], the system can recognize up to 600 MP3 and 600 JPEG files in a single album. A maximum of 200 albums can be recognized regardless of the selected mode.

**Notes**

- You cannot playback JPEG files and MP3 tracks at the same time if they are not contained in the same album.
- PICTURE NAVI does not work when [AUDIO (MP3)] is selected.
- If you play large MP3 track data and JPEG image data at the same time, the sound may skip. It is recommended that you set the MP3 bit rate to 128 kbps or lower when creating the file. If the sound still skips, then reduce the size of the JPEG file.

### Specifying the slide show duration (DATA CD/DATA DVD only)

When you play JPEG image files using slide show, you can specify the duration for slides to appear on the screen.

- 1 Press DVD (FUNCTION) to switch the remote FUNCTION to DVD.
- 2 Press DISPLAY twice.  
The Control Menu for JPEG appears.
- 3 Press **↑/↓** to select  [INTERVAL], then press **⊕** (ENTER).  
The options for [INTERVAL] appear.


- 4 Press **↑/↓** to select the setting you want.
  - [NORMAL]: Sets the duration to about 6 to 9 seconds.
  - [FAST]: Sets the duration shorter than [NORMAL].
  - [SLOW1]: Sets the duration longer than [NORMAL].
  - [SLOW2]: Sets the duration longer than [SLOW1].
- 5 Press **⊕** (ENTER).  
The selected setting takes effect.

**Note**

Some JPEG files may take longer to display than others, which may make the duration seems longer that the option you selected. Especially progressive JPEG files or JPEG files of 3,000,000 pixels or more.

### Selecting an effect for image files in the slide show (DATA CD/DATA DVD only)

When you play a JPEG image file, you can select the effect to be used when viewing the slide show.

- 1 Press DVD (FUNCTION) to switch the remote FUNCTION to DVD.
- 2 Press DISPLAY twice.  
The Control Menu for JPEG appears.
- 3 Press **↑/↓** to select  [EFFECT], then press **⊕** (ENTER).  
The options for [EFFECT] appear.
- 4 Press **↑/↓** to select the setting you want.
  - [MODE1]: The image sweeps in from top to bottom.
  - [MODE2]: The image stretches out from left to right of the screen.
  - [MODE3]: The image stretches out from the center of the screen.
  - [MODE4]: The images randomly cycle through the effects.
  - [MODE5]: The next image slides over the previous image.
  - [OFF]: Turns off this function.
- 5 Press **⊕** (ENTER).  
The selected setting takes effect.

# Locking discs

## (CUSTOM PARENTAL CONTROL, PARENTAL CONTROL)

DVD-V VIDEO CD Super Audio CD C D

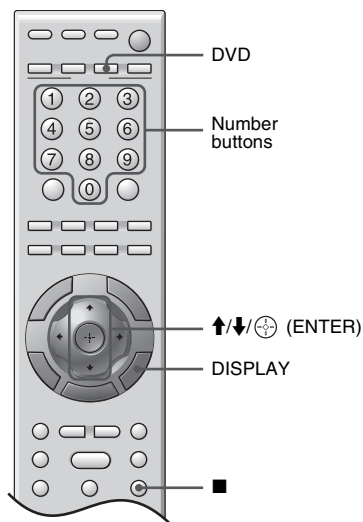
You can set 2 kinds of playback restrictions for the desired disc.

- Custom Parental Control  
You can set playback restrictions so that the system will not play inappropriate discs.
- Parental Control  
Playback of some DVD VIDEOS can be limited according to a predetermined level such as the age of the users. Scenes may be blocked or replaced with different scenes.

The same password is used for both Custom Parental Control and Parental Control.

### Tip


You can also block programs from viewing by setting [Lock] in [Parent] menu (page 42).



## Preventing playback of specific discs [CUSTOM PARENTAL CONTROL]

You can set the same Custom Parental Control password for up to 40 discs. When you set the 41st-disc, the first disc is canceled.

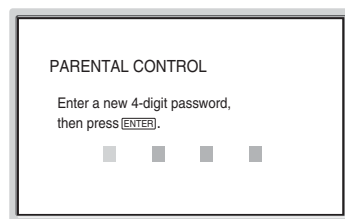
- 1 Press DVD (FUNCTION) to switch the remote FUNCTION to DVD.
- 2 Insert the disc you want to lock.  
If the disc is playing, press ■ to stop playback.
- 3 Press DISPLAY.  
The Control Menu appears.

- 4 Press ↑/↓ to select  [PARENTAL CONTROL], then press ⊕ (ENTER).  
The options for [PARENTAL CONTROL] appear.

- 5 Press ↑/↓ to select [ON →], then press ⊕ (ENTER).

### ■ If you have not entered a password

The display for registering a new password appears.

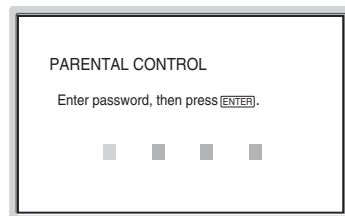


Enter a 4-digit password using the number buttons, then press ⊕ (ENTER).

The display for confirming the password appears.

### ■ When you have already registered a password

The display for entering the password appears.



- 6 Enter or re-enter your 4-digit password using the number buttons, then press ⊕ (ENTER).

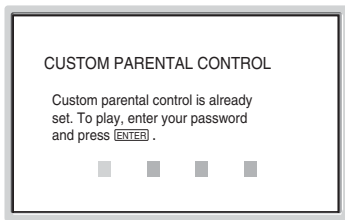
[Custom parental control is set.] appears and the screen returns to the Control Menu.

## To turn off the Custom Parental Control function

- 1 Follow steps 1 through 3 of "Preventing playback of specific discs [CUSTOM PARENTAL CONTROL]."
- 2 Press ↑/↓ to select [OFF →], then press ⊕ (ENTER).
- 3 Enter your 4-digit password using the number buttons, then press ⊕ (ENTER).

## To play a disc for which Custom Parental Control is set

- 1 Insert the disc for which Custom Parental Control is set.  
The [CUSTOM PARENTAL CONTROL] display appears.



- 2 Enter your 4-digit password using the number buttons, then press  $\oplus$  (ENTER).


The system is ready for playback.

#### Tip

If you forget your password, enter the 6-digit number "199703" using the number buttons when the [CUSTOM PARENTAL CONTROL] display asks you for your password, then press  $\oplus$  (ENTER). The display will ask you to enter a new 4-digit password.

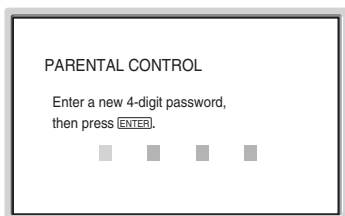
## Limiting playback for children [PARENTAL CONTROL] (DVD VIDEO only)

Playback of some DVD VIDEOS can be limited according to a predetermined level such as the age of the users. The [PARENTAL CONTROL] function allows you to set a playback limitation level.

- 1 Press DVD (FUNCTION) to switch the remote FUNCTION to DVD.
- 2 Press DISPLAY. (If a disc is playing, press  $\blacksquare$  to stop playback, then press DISPLAY.)  
The Control Menu appears.
- 3 Press  $\uparrow/\downarrow$  to select  [PARENTAL CONTROL], then press  $\oplus$  (ENTER).  
The options for [PARENTAL CONTROL] appear.
- 4 Press  $\uparrow/\downarrow$  to select [PLAYER  $\rightarrow$ ], then press  $\oplus$  (ENTER).

#### ■ If you have not entered a password

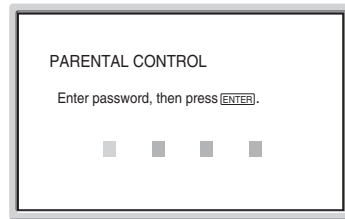
The display for registering a new password appears.



Enter a 4-digit password using the number buttons, then press  $\oplus$  (ENTER).  
The display for confirming the password appears.

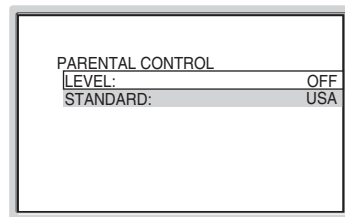
#### ■ When you have already registered a password

The display for entering the password appears.



- 5 Enter or re-enter your 4-digit password using the number buttons, then press  $\oplus$  (ENTER).

The display for setting the playback limitation level appears.



- 6 Press  $\uparrow/\downarrow$  to select [STANDARD], then press  $\oplus$  (ENTER).  
The selection items for [STANDARD] are displayed.
- 7 Press  $\uparrow/\downarrow$  to select a geographic area as the playback limitation level, then press  $\oplus$  (ENTER).  
The area is selected.  
When you select [OTHERS  $\rightarrow$ ], select and enter a standard code in the table on page 76 using the number buttons.
- 8 Press  $\uparrow/\downarrow$  to select [LEVEL], then press  $\oplus$  (ENTER).  
The selection items for [LEVEL] are displayed.
- 9 Press  $\uparrow/\downarrow$  to select the level you want, then press  $\oplus$  (ENTER).  
Parental Control setting is complete.  
The lower the value, the stricter the limitation.

#### To turn off the Parental Control function

Set [LEVEL] to [OFF] in step 8.

## To play a disc for which Parental Control is set

- 1 Insert the disc and press  $\triangleright$ .

The display for entering your password appears.

- 2 Enter your 4-digit password using the number buttons, then press  $\oplus$  (ENTER).

The system starts playback.

### Tip

If you forget your password, remove the disc and repeat steps 1 to 3 of "Preventing playback of specific discs [CUSTOM PARENTAL CONTROL]." When you are asked to enter your password, enter "199703" using the number buttons, then press  $\oplus$  (ENTER). The display will ask you to enter a new 4-digit password. After you enter a new 4-digit password, replace the disc in the system and press  $\triangleright$ . When the display for entering your password appears, enter your new password.

### Notes


- When you play discs which do not have the Parental Control function, playback cannot be limited on this system.
- Depending on the disc, you may be asked to change the parental control level while playing the disc. In this case, enter your password, then change the level. If the Resume Play mode is canceled, the level returns to the previous level.

## Changing the password

- 1 Press DVD (FUNCTION) to switch the remote FUNCTION to DVD.

- 2 Press DISPLAY. (If a disc is playing, press  $\blacksquare$  to stop playback, then press DISPLAY.)

The Control Menu appears.

- 3 Press  $\uparrow/\downarrow$  to select  [PARENTAL CONTROL], then press  $\oplus$  (ENTER).

The options for [PARENTAL CONTROL] appear.

- 4 Press  $\uparrow/\downarrow$  to select [PASSWORD  $\rightarrow$ ], then press  $\oplus$  (ENTER).

The display for entering the password appears.

- 5 Enter your 4-digit password using the number buttons, then press  $\oplus$  (ENTER).

- 6 Enter a new 4-digit password using the number buttons, then press  $\oplus$  (ENTER).

- 7 To confirm your password, re-enter it using the number buttons, then press  $\oplus$  (ENTER).

### If you make a mistake entering your password

Press  $\leftarrow$  before you press  $\oplus$  (ENTER) and input the correct number.

# Using the Setup Display

By using the Setup Display, you can make various adjustments to items such as picture and sound.

### Note

Playback settings stored in the disc take priority over the Setup Display settings and not all the functions described may work.

## DVD Setup Display list

The order of the displayed items may be different from the actual display.

See page in parentheses for details of each menu.

### LANGUAGE SETUP

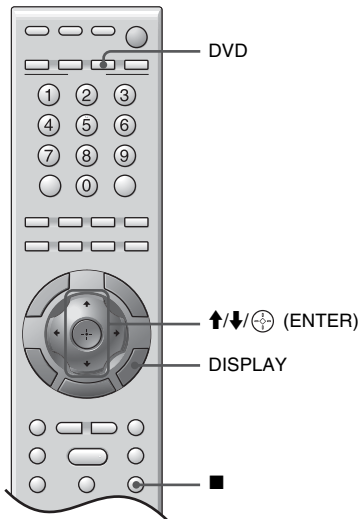
- OSD (64)
- MENU (64)
- AUDIO (64)
- SUBTITLE (64)

### SCREEN SETUP

- SCREEN SAVER (64)
- BACKGROUND (64)

### CUSTOM SETUP

- PAUSE MODE (65)
- TRACK SELECTION (65)
- MULTI-DISC RESUME (65)



**1** Press DVD (FUNCTION) to switch the remote FUNCTION to DVD.

**2** Press DISPLAY. (If a disc is playing, press ■ to stop playback, then press DISPLAY.)

The Control Menu appears.

**3** Press ↑/↓ to select [SETUP], then press ⊕ (ENTER).

The options for [SETUP] appear.

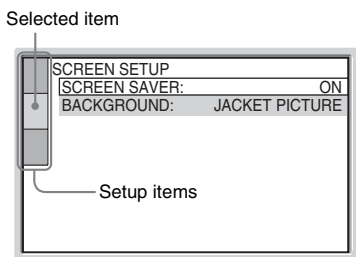
**4** Press ↑/↓ to select [CUSTOM], then press ⊕ (ENTER).

The Setup Display appears.

**5** Press ↑/↓ to select the setup item from the displayed list: [LANGUAGE SETUP], [SCREEN SETUP], or [CUSTOM SETUP]. Then press ⊕ (ENTER).

The Setup item is selected.

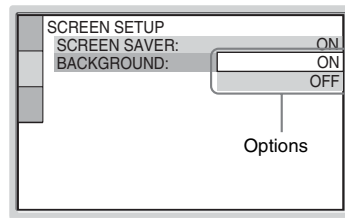
Example: [SCREEN SETUP]



**6** Select an item using ↑/↓, then press ⊕ (ENTER).

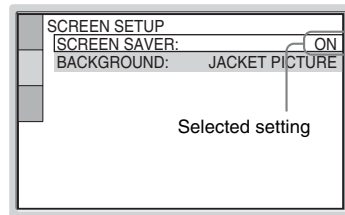
The options for the selected item appear.

Example: [SCREEN SAVER]



**7** Select a setting using ↑/↓, then press ⊕ (ENTER).

The setting is selected and setup is complete.



### To reset all of the [SETUP] settings

**1** Select [RESET] in step 3 and press ⊕ (ENTER).

**2** Select [YES] using ↑/↓.

You can also quit the process and return to the Control Menu by selecting [NO] here.

**3** Press ⊕ (ENTER).

All the settings explained on pages 63 to 65 return to the default settings\*. Do not press POWER while resetting the system as it takes a few seconds to complete.

\* Except for Parental Control settings.

#### Note

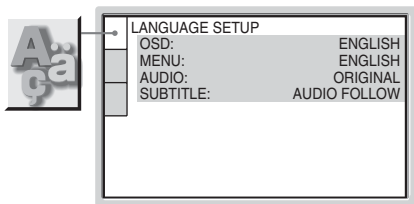
When you turn the system on after resetting, the guide message appears on the monitor screen. To perform the Quick Setup (page 22), press ⊕ (ENTER), to return to normal screen, press CLEAR.

### Setting the display or sound track language [LANGUAGE SETUP]

[LANGUAGE SETUP] allows you to set various languages for the on-screen display or sound track.

*Continued*

Select [LANGUAGE SETUP] in the Setup Display. To use the display, see “Using the Setup Display” (page 62).



■ **[OSD] (On-Screen Display)**

Switches the display language on the screen.

■ **[MENU] (DVD VIDEO only)**

You can select the desired language for the disc’s menu.

■ **[AUDIO] (DVD VIDEO only)**

Switches the language of the sound track. When you select [ORIGINAL], the language given priority in the disc is selected.

■ **[SUBTITLE] (DVD VIDEO only)**

Switches the language of the subtitle recorded on the DVD VIDEO.

When you select [AUDIO FOLLOW], the language for the subtitles changes according to the language you selected for the sound track.

**Tip**

If you select [OTHERS →] in [MENU], [AUDIO], and [SUBTITLE], select and enter a language code from “Language code list (DVD function only)” (page 76) using the number buttons.

**Note**

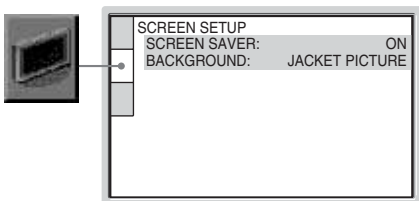
When you select a language in [MENU], [AUDIO], or [SUBTITLE] that is not recorded on the DVD VIDEO, one of the recorded languages will be automatically selected (depending on the disc, the language may not be selected automatically).

**Settings for the display**

**[SCREEN SETUP]**

Choose the monitor screen settings.

Select [SCREEN SETUP] in the Setup Display. To use the display, see “Using the Setup Display” (page 62).



■ **[SCREEN SAVER]**

The screen saver image appears when you leave the system in pause or stop mode for 15 minutes, or when you play back a Super Audio CD, CD, or DATA CD/ DATA DVD (MP3 audio) for more than 15 minutes. The screen saver will help prevent your display device from becoming damaged (ghosting). Press  $\blacktriangleright$  to turn off the screen saver.

---

**[ON]** Turns on the screen saver.

---

**[OFF]** Turns off the screen saver.

■ **[BACKGROUND]**

The background can be set/displayed during the following:

- When a DVD or Video CD, DATA CD/DATA DVD (JPEG files) are stopped.
- When a Super Audio CD, CD, or DATA CD/DATA DVD (MP3 audio) are played back or stopped.

---

**[JACKET PICTURE]** The jacket picture (still picture) appears, but only when the jacket picture is already recorded on the disc (CD-EXTRA, etc.). If the disc does not contain a jacket picture, the [GRAPHICS] picture appears.

---

**[GRAPHICS]** A preset picture stored in the system appears.

---

**[BLUE]** The background color is blue.

---

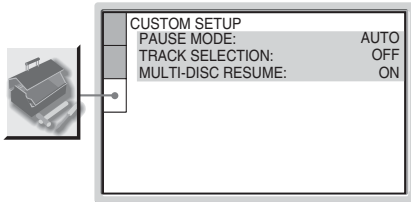
**[BLACK]** The background color is black.



## Custom settings [CUSTOM SETUP]

Use this to set up playback-related (and other) settings.

Select [CUSTOM SETUP] in the Setup Display. To use the display, see “Using the Setup Display” (page 62).



### ■ [PAUSE MODE] (DVD VIDEO/DVD-R/DVD-RW only)

Selects the picture in pause mode.

---

**[AUTO]** The picture, including subjects that move dynamically, is output with no jitter. Normally select this position.

---

**[FRAME]** The picture, including subjects that do not move dynamically, is output in high resolution.

### ■ [TRACK SELECTION] (DVD VIDEO only)

Gives the sound track which contains the highest number of channels priority when you play a DVD VIDEO on which multiple audio formats (PCM, DTS, MPEG audio, or Dolby Digital format) are recorded.

---

**[OFF]** No priority given.

---

**[AUTO]** Priority given.

#### Notes

- When you set the item to [AUTO], the language may change. The [TRACK SELECTION] setting has higher priority than the [AUDIO] settings in [LANGUAGE SETUP] (page 64). (Depending on the disc, this function may not work.)
- If PCM, DTS, Dolby Digital sound, and MPEG audio tracks have the same number of channels, the system selects PCM, DTS, Dolby Digital sound, and MPEG audio tracks in this order.

### ■ [MULTI-DISC RESUME] (DVD VIDEO/VIDEO CD only)

Switches the Multi-disc Resume setting on or off.

---

**[ON]** Stores the resume settings in memory for up to 40 discs.

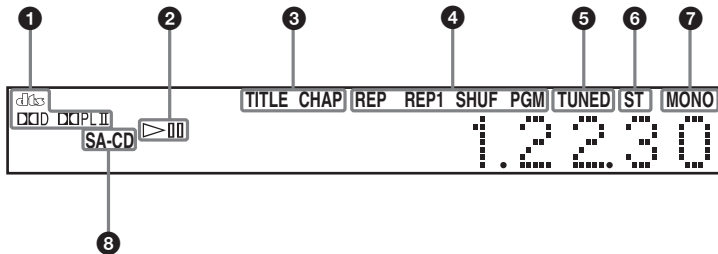
---

**[OFF]** Does not store the resume settings in memory. Playback restarts at the resume point only for the current disc in the system.

## Using the Lift Unit/Front Panel Display

### Overview of the items

#### About the indications in the lift unit/front panel display

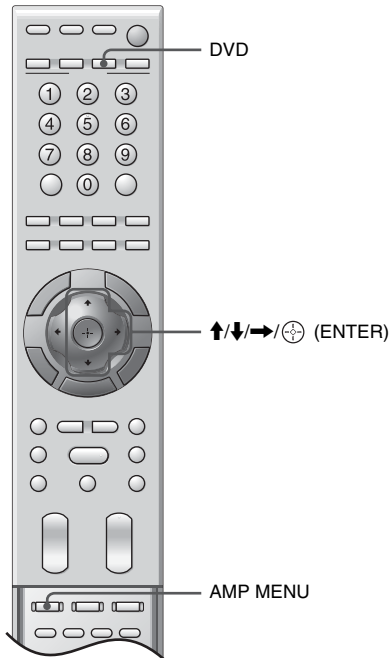


- ❶ Current surround format (Except for JPEG and Super Audio CD)
- ❷ Playing status (DVD function only)
- ❸ Lights up when the time information of a title or chapter appears in the front panel display. (DVD only)
- ❹ Current play mode
- ❺ Lights up when an FM radio station is tuned. (37)
- ❻ Lights up when an FM stereo broadcast is tuned. (37)
- ❼ Lights up when listening the FM radio in monaural effect. (36)
- ❽ Current disc type

## Reinforcing bass frequencies

### (SW LEVEL)

You can reinforce bass frequencies on any source.



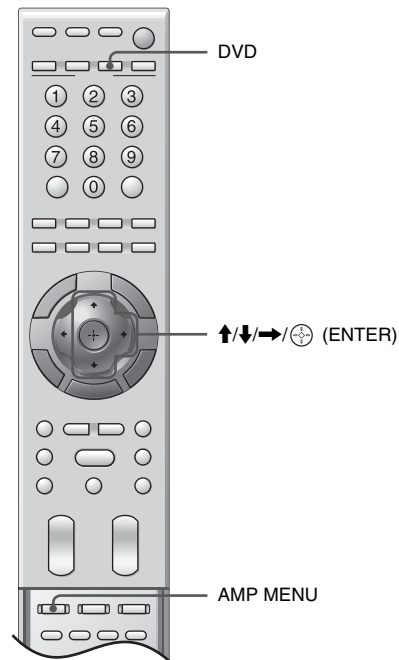
With cover opened.

- 1 Press DVD (FUNCTION) to switch the remote FUNCTION to DVD.
- 2 Press AMP MENU.
- 3 Press ↑/↓ repeatedly until “SW LEVEL” appears in the front panel display, then press ⊕ (ENTER) or →.
- 4 Press ↑/↓ to select the desired subwoofer level, then press ⊕ (ENTER).  
The setting is selected and setup is complete.

## Adjusting the brightness of the display

### (DIMMER)

You can adjust the brightness of the front panel display.



With cover opened.

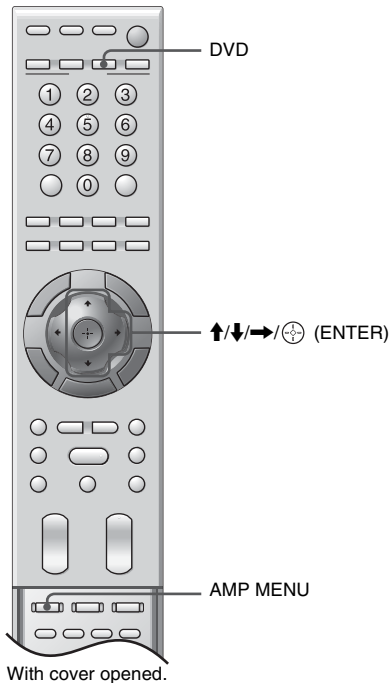
- 1 Press DVD (FUNCTION) to switch the remote FUNCTION to DVD.
- 2 Press AMP MENU.
- 3 Press ↑/↓ repeatedly until “DIMMER” appears in the front panel display, then press ⊕ (ENTER) or →.
- 4 Press ↑/↓ to select the desired brightness.
  - “DIMMER OFF”: High brightness.
  - “DIMMER ON”: Low brightness.
- 5 Press ⊕ (ENTER).  
The setting is selected and setup is complete.

*Continued*

## Enjoying the sound at low volume

### (AUDIO DRC)

Narrows the dynamic range of a Dolby Digital sound track. Useful for watching movies at low volume late at night.



With cover opened.

- 1 Press DVD (FUNCTION) to switch the remote FUNCTION to DVD.
- 2 Press AMP MENU.
- 3 Press **↑/↓** repeatedly until "AUDIO DRC" appears in the front panel display, then press **⊕ (ENTER)** or **→**.
- 4 Press **↑/↓** to select the setting.
  - "DRC OFF": No compression of dynamic range.
  - "DRC STD": Reproduces the sound track with the kind of dynamic range that the recording engineer intended.
  - "DRC MAX": Compresses dynamic range fully.
- 5 Press **⊕ (ENTER)**.  
The setting is selected and setup is complete.

#### Note

AUDIO DRC only applies to Dolby Digital sources.

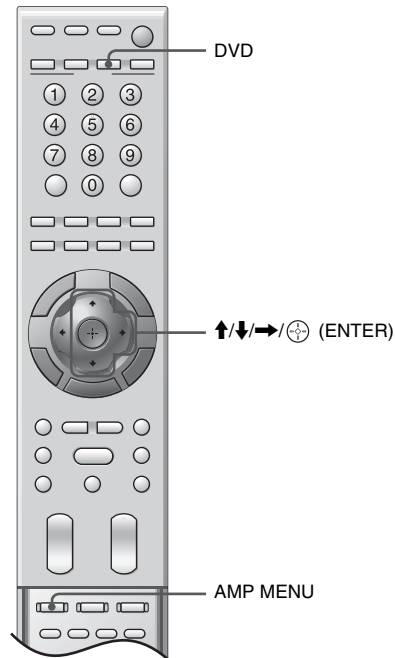
## Enjoying a bilingual DVD disc

### (DUAL MONO)

You can play bilingual broadcasts recorded on DVD-R/DVD-RWs in VR mode.

#### Note

This setting works for the DVD function only.



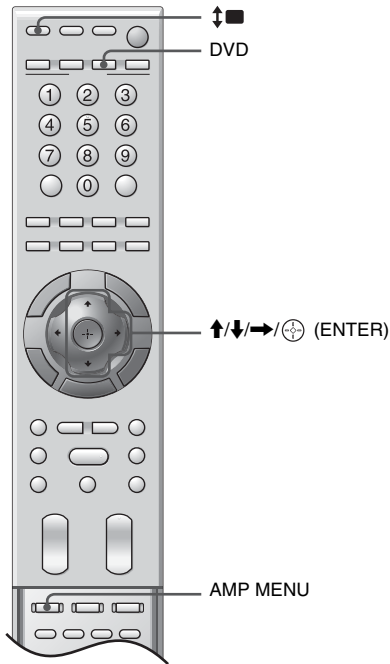
With cover opened.

- 1 Press DVD (FUNCTION) to switch the remote FUNCTION to DVD.
- 2 Press AMP MENU.
- 3 Press **↑/↓** repeatedly until "DUAL MONO" appears in the front panel display, then press **⊕ (ENTER)** or **→**.
- 4 Press **↑/↓** to select the sound you want.
  - "MAIN": Main sound is output from the left and right speakers.
  - "SUB": Sub sound is output from the left and right speakers.
  - "MAIN+SUB": Main sound and Sub sound are output from the left and right speakers.
  - "MAIN/SUB": Main sound is output from the left speaker and Sub sound is output from the right speaker.
- 5 Press **⊕ (ENTER)**.  
The setting is selected and setup is complete.

## Using the lift function

### (LIFT MODE)

The lift unit moves up and down by pressing  $\updownarrow$  on the system or remote. The lift unit can also be moved automatically, according to the selected input, disc type, or system power on/off when you select "AUTO" in "LIFT MODE."



With cover opened.

- 1 Press DVD (FUNCTION) to switch the remote FUNCTION to DVD.
- 2 Press AMP MENU.
- 3 Press  $\updownarrow$  repeatedly until "LIFT MODE" appears in the front panel display, then press  $\oplus$  (ENTER) or  $\rightarrow$ .
- 4 Press  $\updownarrow$  to select the desired lift mode, then press  $\oplus$  (ENTER).
  - "AUTO": Lift unit can be set to move automatically according to the selected input, a disc type, or when the system is turned on/off. Also you can move it by pressing  $\updownarrow$ .
  - "MANUAL": Lift unit is moved by pressing  $\updownarrow$ .
  - "LOCK": Lift unit will not move, even if you press  $\updownarrow$ .

The setting is selected and setup is complete.

#### Notes

- If you change the lift mode setting, change it while the lift unit is not moving.

- The lift unit has a sensor in its top and bottom. If the sensor detects an obstacle, it stops moving. If this occurs, remove any obstacles, press POWER, and then press  $\updownarrow$ . The lift unit starts moving again.
- When headphones are connected, the lift unit does not move. And will not move even if you press  $\updownarrow$  until you disconnect the headphones.
- When connecting other components to the system, make sure not to trap any cords in the lift unit.

### Moving the lift unit automatically (AUTO)

The lift unit can be moved automatically, according to the selected input or system power on/off. See the table below.

Status:	Direction
System is off	up
DVD function, disc type CD*1	up
DVD function, disc type DVD*2	down
FM function	up
Except DVD/FM function	down

\*1 CD and Super Audio CD

\*2 DVD VIDEO/DVD-R/DVD-RW/VIDEO CD and DATA CD/DATA DVD

#### Tip

Even in AUTO mode, you can move the lift unit up and down by pressing  $\updownarrow$ . The lift unit moves in the same way with the MANUAL mode.

#### Notes

- The lift unit will automatically move when the system is activated with "AUTO" set in "LIFT MODE," and [Off] in sleep timer.
- It may take some time to detect a disc type.

### Moving the lift unit manually (MANUAL)

The lift unit can be moved manually by pressing  $\updownarrow$  on the system or remote. The lift unit moves up or down accordingly. See the table below.

Status:	Press $\updownarrow$ to move
completely down	up
moving up	down
completely up	down
moving down	up

#### Note

When the lift unit is completely up, you cannot use OSD-related functions, and "Not in Use" appears in the front panel display. In this case, press  $\updownarrow$  to move the lift unit down.

### Locking the lift unit (LOCK)

The lift unit will not move, even if you press  $\updownarrow$ . It is recommended setting this mode if you have small children.

*Continued*

## Enjoying digital broadcast sound

### **(OPTICAL IN)**

### **(COAXIAL IN)**

This system can receive Dolby Digital 5.1 channel signals.

To enjoy digital broadcast sound, connect a cable box or satellite receiver to this system with an optical digital cord (not supplied) or coaxial digital cord (not supplied), and also set both to output digital signals. Refer to the instruction manual supplied with your cable box/satellite receiver.

The default VIDEO 1 input accepts signals from VIDEO DIGITAL IN OPT (optical in), and the default VIDEO 5 input accepts signals from VIDEO DIGITAL IN COAX (coaxial in). You can change these default settings (page 70).

If you use digital and analog audio signals at the same time, digital audio signals have priority.

When using the HDMI connection, this system can receive PCM audio signals only. In this case, use VIDEO DIGITAL IN OPT or COAX for audio signals to receive Dolby Digital 5.1 channel signals.

### **To set the digital audio signal settings**

The default digital audio signals are VIDEO 1 input, which accepts signals from VIDEO DIGITAL IN OPT (optical in), and VIDEO 5 input, which accepts signals from VIDEO DIGITAL IN COAX (coaxial in). You can change these default settings according to the connected equipment's video signal or the type of digital audio signals.

- 1** Press DVD (FUNCTION) to switch the remote FUNCTION to DVD.
- 2** Press AMP MENU.
- 3** Press **↑/↓** repeatedly to select "OPTICAL IN" or "COAXIAL IN," then press **⊕** (ENTER) or **➡**.
- 4** Press **↑/↓** repeatedly to select the desired video input, then press **⊕** (ENTER).

The setting is selected and setup is complete.

### **Tip**

If you do not use digital audio input, select "OPT (COAX) NONE."

### **Note**

If you set the same video input for "OPTICAL IN" and "COAXIAL IN," the previous video input becomes "OPT (COAX) NONE," and the audio input cannot receive digital audio signals. For example, when you set VIDEO 1 to "OPTICAL IN" ("OPT V1"), and then set VIDEO 1 to "COAXIAL IN" ("COAX V1"), the digital audio signal for VIDEO 1 is "COAXIAL IN."

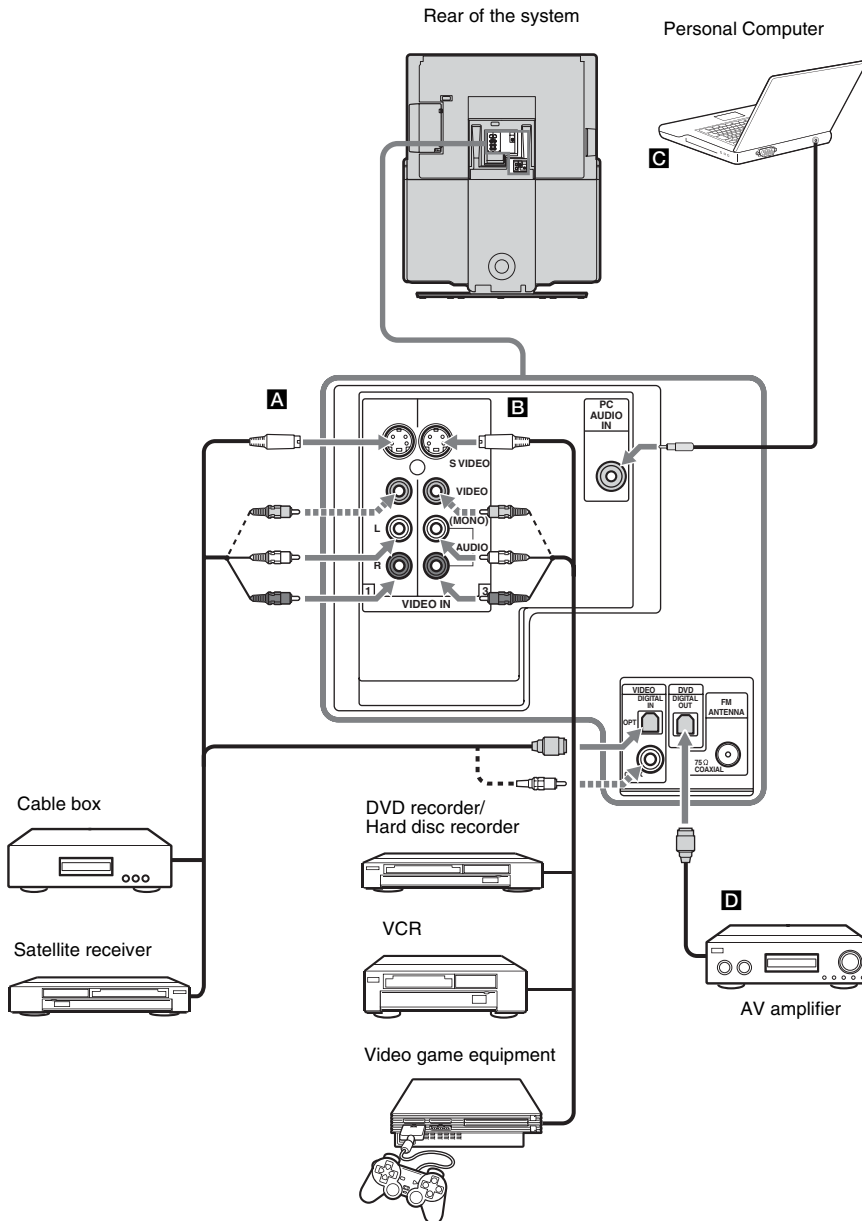
## Connecting optional equipment

You can connect a wide range of optional equipment to the system. Connecting cords are not supplied.

### Notes


- When connecting optional equipment, make sure not to trap any cords in the lift unit, or area where the unit moves.
- Do not connect any equipment while the lift unit is moving.
- Depending on the connected equipment cords, the back covers may not attach properly. In this case, try other cords, or use the system without the back covers.

### Connecting to the system (rear)




Continued

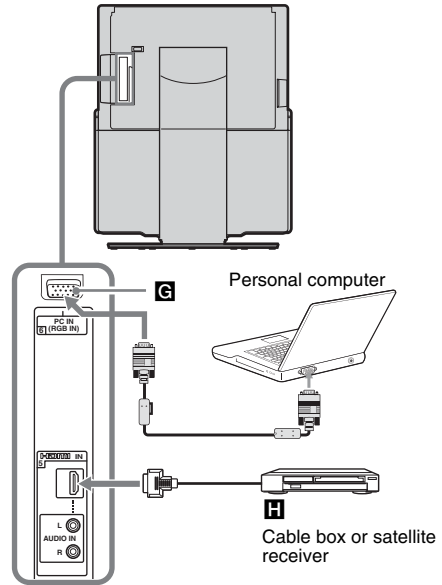
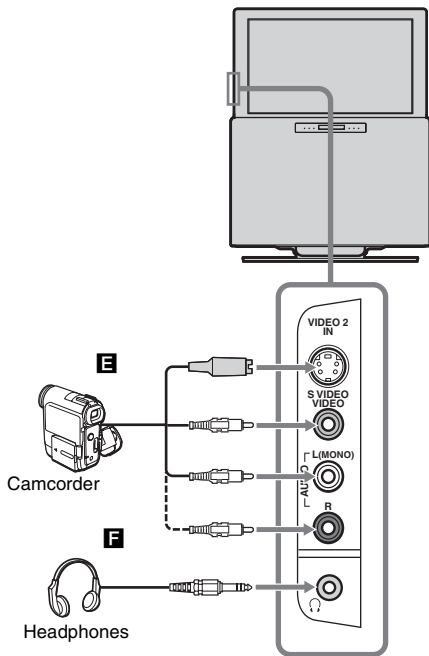
To connect	Do this
Cable box or satellite receiver <b>A</b>	Connect to the VIDEO (IN) 1 S video jack or the video jack and the audio jacks or VIDEO DIGITAL IN OPT/COAX.
DVD recorder, VCR or video game equipment <b>B</b>	Connect to the VIDEO (IN) 3 S video jack or the video jack and the audio jacks.
Personal Computer (Audio signal) <b>C</b>	Connect to the VIDEO 6 (PC AUDIO IN) (page 71).
AV amplifier <b>D</b>	Connect to the DVD DIGITAL OUT on the rear of the system. Refer to the instruction manual supplied with your AV amplifier.  <b>Note</b> Super Audio CD audio signals are not output from the DVD DIGITAL OUT jack.

To connect	Do this
Camcorder <b>E</b>	Connect to the VIDEO (IN) 2 S video jack or the video jack and the audio jacks. To avoid picture noise, do not connect the camcorder to the video jack and the S video jack at the same time.
Headphones <b>F</b>	Connect to the  jack to listen to sound on headphones.

**Note**

When connecting headphones, the lift unit does not move even if  is pressed.

**Connecting to the system (side)**





<b>To connect</b>	<b>Do this</b>
Personal Computer <b>G</b>	Connect to the VIDEO 6 (PC IN) with the HD 15-HD 15 cable (analog RGB, 1.5 m (4 ft 11 in), supplied) and the audio jack <b>C</b> on the rear of the system (page 71).
Cable box or satellite receiver <b>H</b>	<p>Connect only to the VIDEO 5 (HDMI IN) jack. The digital video and audio signals are input from the cable box/satellite receiver. If the cable box/satellite receiver have a DVI jack and not an HDMI jack, connect the DVI jack to the VIDEO 5 (HDMI IN) jack, and connect the audio jacks to the VIDEO 5 (HDMI IN) audio jacks. The digital and analog audio signals are input from the cable box/satellite receiver.</p> <p><b>Notes</b></p> <ul style="list-style-type: none"> <li>• If you use only the HDMI connection, make sure the connected equipment setting conforms to PCM output. Refer to the instruction manual supplied with the equipment.</li> <li>• If you use only the HDMI connection, and the connected equipment does not conform to PCM output, connect VIDEO DIGITAL IN OPT or COAX for audio signals, then set "OPTICAL IN" or "COAXIAL IN" to "VIDEO 5" (page 70).</li> </ul>

# Specifications

### AUDIO POWER SPECIFICATIONS

#### for the US model

#### POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 6 ohm loads, both channels driven, from 200 - 20,000 Hz; rated 40 watts per channel minimum RMS power, with no more than 0.7% total harmonic distortion from 250 milli watts to rated output.

#### Display unit

##### Power Requirements:

120 V AC, 60 Hz

##### Screen Size:

32 inches

Approx. 101.5 cm measured diagonally

##### Display Resolution:

1,366 dots (horizontal) × 768 lines (vertical)

##### Power Consumption:

210 W

##### Standby Power Consumption:

1 W or less

##### Dimensions (w × h × d):

Approx. 856.0 × 1,069.0 × 470.0 mm (33<sup>3</sup>/<sub>4</sub> × 42<sup>1</sup>/<sub>8</sub> × 18<sup>5</sup>/<sub>8</sub> in)


##### Mass:

Approx. 58.0 kg (127 lb 14 oz)

### Panel system

LCD (Liquid Crystal Display) Panel

### Terminals

- VIDEO IN 1/2/3 (NTSC Video Standard):  
S VIDEO (4-pin mini DIN):  
Y: 1.0 Vp-p, 75 ohms unbalanced,  
sync negative  
C: 0.286 Vp-p (Burst signal), 75 ohms
- VIDEO: 1 Vp-p, 75 ohms unbalanced, sync negative
- AUDIO: 500 mVrms (100% modulation)  
Impedance: 47 kilohms
- VIDEO 5 (HDMI IN):  
HDMI: Video: 480i, 480p, 720p, 1080i  
Audio IN: Two channel linear PCM  
32, 44.1 and 48 kHz, 16, 20 and 24 bits
- AUDIO IN: 500 mVrms (100% modulation)  
Impedance: 47 kilohms
- Digital audio inputs (coaxial):  
VIDEO 1-3, 5, 6  
Impedance: 75 ohms
- VIDEO 6 (PC IN):  
D-sub 15-pin, analog RGB, 0.7 Vp-p, 75 ohms, positive  
See the PC specifications on page 75
- PC AUDIO IN:  
Stereo mini jack, 500m Vrms, 1 kilohm
-  Headphones jack

### Amplifier section

Front	Power output (rated): 40 W + 40 W (6 ohms, 1 kHz, THD 1 %) Continuous RMS power output (reference): 50 W + 50 W (6 ohms at 1 kHz, THD 10 %)
Subwoofer	Power output (rated): 80 W (3 ohms, 100 Hz, THD 1 %) Continuous RMS power output (reference): 100 W (3 ohms at 100 Hz, THD 10 %)

### Super Audio CD/DVD system

Laser	Semiconductor laser (DVD: λ = 650 nm) (CD: λ = 790 nm) Emission duration: continuous
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### FM section

System	PLL quartz-locked digital synthesizer system
Tuning range	87.5 – 108.0 MHz
Antenna	FM wire antenna
Antenna terminals	75 ohms, unbalanced
Intermediate frequency	10.7 MHz

### Speakers

#### Front

Speaker system	2-way Bass reflex type
Speaker unit	25 mm (1 in) Dome type, 80 mm (3 <sup>1</sup> / <sub>4</sub> in) Cone type

#### Subwoofer

Speaker system	Bass reflex type
Speaker unit	130 mm (5 <sup>1</sup> / <sub>8</sub> in) Cone type × 2

### Supplied accessories

- Remote RM-ANP003 (1)
- Size AA batteries (R6 type) (2)
- AC power cord (mains lead) (1)
- HD 15-HD 15 cable (1)
- Screws (2)
- FM wire antenna (1)
- Frame grille (1)
- Quick Setup Guide (1)

Design and specifications are subject to change without notice.

## PC specifications

Signals	Horizontal (Pixel)	Vertical (Line)	Horizontal frequency (kHz)	Vertical frequency (Hz)	VESA standard
VGA	640	480	31.5KHz	60Hz	—*
	640	480	37.9KHz	73Hz	✓
	640	480	37.5KHz	75Hz	✓
	720	400	31.5KHz	70Hz	—*
SVGA	800	600	35.2KHz	56Hz	✓
	800	600	37.9KHz	60Hz	✓
	800	600	48.1KHz	72Hz	✓
	800	600	46.9KHz	75Hz	✓
	848	480	31.0KHz	60Hz	✓
XGA	1024	768	48.4KHz	60Hz	✓
	1024	768	56.5KHz	70Hz	✓
	1024	768	60KHz	75Hz	✓
WXGA	1280	768	47.4KHz	60Hz	✓
	1280	768	47.8KHz	60Hz	✓
	1280	768	60.3KHz	75Hz	✓
	1360	768	47.7KHz	60Hz	✓

\* Corresponding to the VGA signal.

This system does not support Sync on Green or Composite Sync.

If a signal other than in the above chart is input, it may not be displayed properly or may not be displayed as you set. Using the Vertical frequency (Hz) of the personal computer at 60 is recommended.

*Continued*

## Language code list (DVD function only)

The language spellings conform to the ISO 639: 1988 (E/F) standard.

Code Language	Code Language	Code Language	Code Language
1027 Afar	1183 Irish	1347 Maori	1507 Samoan
1028 Abkhazian	1186 Scots Gaelic	1349 Macedonian	1508 Shona
1032 Afrikaans	1194 Galician	1350 Malayalam	1509 Somali
1039 Amharic	1196 Guarani	1352 Mongolian	1511 Albanian
1044 Arabic	1203 Gujarati	1353 Moldavian	1512 Serbian
1045 Assamese	1209 Hausa	1356 Marathi	1513 Siswati
1051 Aymara	1217 Hindi	1357 Malay	1514 Sesotho
1052 Azerbaijani	1226 Croatian	1358 Maltese	1515 Sundanese
1053 Bashkir	1229 Hungarian	1363 Burmese	1516 Swedish
1057 Byelorussian	1233 Armenian	1365 Nauru	1517 Swahili
1059 Bulgarian	1235 Interlingua	1369 Nepali	1521 Tamil
1060 Bihari	1239 Interlingue	1376 Dutch	1525 Telugu
1061 Bislama	1245 Inupiak	1379 Norwegian	1527 Tajik
1066 Bengali; Bangla	1248 Indonesian	1393 Occitan	1528 Thai
1067 Tibetan	1253 Icelandic	1403 (Afan)Oromo	1529 Tigrinya
1070 Breton	1254 Italian	1408 Oriya	1531 Turkmen
1079 Catalan	1257 Hebrew	1417 Punjabi	1532 Tagalog
1093 Corsican	1261 Japanese	1428 Polish	1534 Setswana
1097 Czech	1269 Yiddish	1435 Pashto; Pushto	1535 Tonga
1103 Welsh	1283 Javanese	1436 Portuguese	1538 Turkish
1105 Danish	1287 Georgian	1463 Quechua	1539 Tsonga
1109 German	1297 Kazakh	1481 Rhaeto-Romance	1540 Tatar
1130 Bhutani	1298 Greenlandic	1482 Kirundi	1543 Twi
1142 Greek	1299 Cambodian	1483 Romanian	1557 Ukrainian
1144 English	1300 Kannada	1489 Russian	1564 Urdu
1145 Esperanto	1301 Korean	1491 Kinyarwanda	1572 Uzbek
1149 Spanish	1305 Kashmiri	1495 Sanskrit	1581 Vietnamese
1150 Estonian	1307 Kurdish	1498 Sindhi	1587 Volapük
1151 Basque	1311 Kirghiz	1501 Sangho	1613 Wolof
1157 Persian	1313 Latin	1502 Serbo-Croatian	1632 Xhosa
1165 Finnish	1326 Lingala	1503 Singhalese	1665 Yoruba
1166 Fiji	1327 Laothian	1505 Slovak	1684 Chinese
1171 Faroese	1332 Lithuanian	1506 Slovenian	1697 Zulu
1174 French	1334 Latvian;Lettish		
1181 Frisian	1345 Malagasy		1703 Not specified

## Parental control area code list

Code Area	Code Area	Code Area	Code Area
2044 Argentina	2165 Finland	2362 Mexico	2149 Spain
2047 Australia	2174 France	2376 Netherlands	2499 Sweden
2046 Austria	2109 Germany	2390 New Zealand	2086 Switzerland
2057 Belgium	2248 India	2379 Norway	2528 Thailand
2070 Brazil	2238 Indonesia	2427 Pakistan	2184 United Kingdom
2079 Canada	2254 Italy	2424 Philippines	
2090 Chile	2276 Japan	2436 Portugal	
2092 China	2304 Korea	2489 Russia	
2115 Denmark	2363 Malaysia	2501 Singapore	

# Troubleshooting

Check whether the POWER indicator is flashing in red or “PROTECT” appears in the front panel display.

## When POWER is flashing or “PROTECT” appears

The self-diagnosis function is activated.

- 1 Count how many times POWER flashes every two seconds and check if any LED lights blink or any messages or letters/numbers appear in the front panel display.  
For example, the indicator flashes three times, then there is a two second break, followed by another three flashes, etc.
- 2 Press POWER on the system to switch it off, disconnect the AC power cord (mains lead), and inform your dealer or Sony service center of how the indicator flashes (number of flashes), or any messages or letters/numbers that appear in the front panel display.

## When POWER is not flashing or “PROTECT” does not appear

- 1 Check the items in the tables below.
- 2 If the problem still persists, have your system serviced by qualified service personnel.

Note that if service personnel changes some parts during repair, these parts may be retained.

### Power

Problem	Cause/Remedy
The power is not turned on	<ul style="list-style-type: none"><li>• Check that the AC power cord (mains lead) is connected securely.</li></ul>
The system turns off automatically	<ul style="list-style-type: none"><li>• The sleep timer is activated (page 15).</li></ul>

### Picture

Problem	Cause/Remedy
No picture (screen is dark) and no sound	<ul style="list-style-type: none"><li>• Connect the system to the AC power source (mains), and press POWER on the system.</li><li>• If the POWER indicator turns off, press POWER.</li><li>• If you connect video equipment to the S VIDEO input of the system, set [Auto YC] to [On] in the [Setup] settings (page 45).</li></ul>
No picture or no menu information from equipment connected	<ul style="list-style-type: none"><li>• Check that the optional equipment is on and press INPUT on the remote (or INPUT SELECT on the system) repeatedly until the correct input label is displayed on the screen.</li><li>• Check the connection between the optional equipment and the system.</li></ul>
Distorted picture	<ul style="list-style-type: none"><li>• Check if any connected optional equipment is installed in front of the system or beside the system. When installing optional equipment, leave some space between the optional equipment and the system.</li></ul>
Stripe noise during playback/recording of a VCR	<ul style="list-style-type: none"><li>• Video head interference. Keep your component away from the system.</li><li>• Leave a space of 30 cm (1 ft) between your component and the system to avoid noise.</li><li>• Avoid installing your component in front of the system or beside the system.</li></ul>
Some tiny black points and/or bright points on the screen	<ul style="list-style-type: none"><li>• The picture of a display unit is composed of pixels. Tiny black points and/or bright points (pixels) on the screen do not indicate a malfunction.</li></ul>

*Continued*

<b>Problem</b>	<b>Cause/Remedy</b>
No color on programs	<ul style="list-style-type: none"> <li>• Select [Reset] in the [Video] menu to return to the factory settings (page 39).</li> <li>• Check the video cord connection.</li> </ul>
There is no picture	<ul style="list-style-type: none"> <li>• If the FM function is selected, there will be no picture - ensure that this function is not selected.</li> </ul>
Picture noise appears	<ul style="list-style-type: none"> <li>• The disc is dirty or flawed.</li> <li>• If picture noise occurs during VIDEO (IN) 1, VIDEO (IN) 2, or VIDEO (IN) 3 connection, check the output setting of the connected equipment. See the operating instructions of the connected equipment for details.</li> </ul>
No color/dark picture/color is not correct	<ul style="list-style-type: none"> <li>• Press PICTURE to select the desired [Picture Mode] (page 39).</li> <li>• Adjust the [Picture Mode] options in the [Video] settings (page 39).</li> </ul>
The picture is too bright	<ul style="list-style-type: none"> <li>• Press PICTURE to select the desired [Picture Mode] (page 39).</li> </ul>
Cannot operate settings item	<ul style="list-style-type: none"> <li>• If the option you want to select appears in a pale color, you cannot select it.</li> </ul>
[Wide Mode] changes automatically	<ul style="list-style-type: none"> <li>• The current [Wide Mode] setting is automatically replaced with the [4:3 Default] setting when you change the channel or video input, if [4:3 Default] in the [Screen] settings is set to other than [Off]. If you want to lock in the [Wide Mode] selected with the WIDE button, set [4:3 Default] to [Off] in the [Screen] settings (page 41).</li> </ul>

## Sound

<b>Problem</b>	<b>Cause/Remedy</b>
No sound, but good picture	<ul style="list-style-type: none"> <li>• Press VOL +/- or MUTING.</li> </ul>
No sound when using HDMI connection	<ul style="list-style-type: none"> <li>• If you use only the HDMI connection, and the connected equipment does not conform to PCM output, or equipment setting is incorrect, audio signal may not be output. Refer to the instruction manual supplied with the connected equipment for settings, etc.</li> <li>• Connect with an optical digital cord (not supplied) or coaxial digital cord (not supplied) (page 73).</li> </ul>
Noisy sound	<ul style="list-style-type: none"> <li>• See the "Picture noise" causes/remedies on page 78.</li> <li>• If audio noise occurs during VIDEO (IN) 1, VIDEO (IN) 2, or VIDEO (IN) 3 connection, check the output setting of the connected equipment. See the operating instructions of the connected equipment for details.</li> </ul>
There is no sound	<ul style="list-style-type: none"> <li>• Press MUTING on the remote if "MUTING ON" is displayed in the front panel display.</li> <li>• The system is in pause mode or in Slow-motion Play mode. Press ▷ to return to normal play mode.</li> <li>• Fast forward or fast reverse is performed. Press ▷ to return to normal play mode.</li> </ul>
Severe hum or noise is heard	<ul style="list-style-type: none"> <li>• Check that the components are connected securely.</li> <li>• Check that the connecting cords are away from a transformer or motor, and at least 3 meters (9 ft 10 in) away from the system or a fluorescent light.</li> <li>• Move the system away from the audio components.</li> <li>• The plugs and jacks are dirty. Wipe them with a cloth slightly moistened with alcohol.</li> <li>• Clean the disc.</li> </ul>

<b>Problem</b>	<b>Cause/Remedy</b>
The sound loses stereo effect when you play a VIDEO CD, CD or DATA CD/DATA DVD (MP3 audio)	<ul style="list-style-type: none"> <li>• Set [AUDIO] to [STEREO] by pressing AUDIO (page 32).</li> <li>• Make sure the system is connected properly.</li> </ul>
The surround effect is difficult to hear when you are playing a Dolby Digital, DTS, or MPEG audio sound track	<ul style="list-style-type: none"> <li>• Make sure the sound field is set to “FRONT SURROUND” (page 30).</li> <li>• Depending on the DVD, the output signal may not be the entire 5.1 channel. It may be monaural or stereo even if the sound track is recorded in Dolby Digital or MPEG audio format.</li> </ul>

## General

<b>Problem</b>	<b>Cause/Remedy</b>
“STOP” appears in the front panel display or the lift unit does not move	<ul style="list-style-type: none"> <li>• To prevent a malfunction, the lift unit stops moving when the unit’s sensor detects an obstacle. If this occurs, remove any obstacles, then turn off the system. Turn on the system again, and then press <b>⏮</b> to move the lift unit.</li> <li>• The lift unit does not move when headphones are connected.</li> </ul>
The system turns off automatically	<ul style="list-style-type: none"> <li>• The system automatically switches to off when setting sleep timer other than [Off] by pressing SLEEP.</li> </ul>
Some input sources cannot be selected	<ul style="list-style-type: none"> <li>• Select [Label Video Inputs] in the [Setup] menu and cancel [Skip] of the input source (page 45).</li> </ul>
The remote does not function	<ul style="list-style-type: none"> <li>• Make sure the remote FUNCTION setting is correct (select the desired remote FUNCTION).</li> <li>• Check that the remote is set correctly for the equipment you are using.</li> <li>• Replace the batteries.</li> <li>• There are obstacles between the remote and the system.</li> <li>• The distance between the remote and the system is too far.</li> <li>• The remote is not pointed at the remote sensor on the system.</li> </ul>
FM stations cannot be tuned in	<ul style="list-style-type: none"> <li>• Check that the antenna is connected securely. Adjust the antenna or connect an external antenna if necessary.</li> <li>• The signal strength of the stations is too weak (when tuning in with automatic tuning). Use direct tuning.</li> <li>• No stations have been preset or the preset stations have been cleared (when tuning by scanning preset stations). Preset the stations (page 37).</li> </ul>
The disc does not play	<ul style="list-style-type: none"> <li>• There is no disc inserted.</li> <li>• The disc is upside down. Insert the disc with its label facing forward.</li> <li>• The system cannot play CD-ROMs, etc. (page 27).</li> <li>• The region code on the DVD does not match the system.</li> <li>• Moisture has condensed inside the system and may cause damage to the lenses. Remove the disc and leave the system turned on for about half an hour.</li> </ul>

*Continued*

<b>Problem</b>	<b>Cause/Remedy</b>
The menu operations do not work	<ul style="list-style-type: none"> <li>• Make sure the remote FUNCTION setting is correct (select the desired remote FUNCTION).</li> </ul>
The MP3 audio track cannot be played	<ul style="list-style-type: none"> <li>• The DATA CD is not recorded in the MP3 format that conforms to ISO 9660 Level 1/Level 2 or Joliet.</li> <li>• The DATA DVD is not recorded in the MP3 format that conforms to UDF (Universal Disk Format).</li> <li>• The MP3 audio track does not have the extension “.MP3.”</li> <li>• The data is not formatted in MP3 even though it has the extension “.MP3.”</li> <li>• The data is not MPEG1 Audio Layer 3 data.</li> <li>• The system cannot play audio tracks in MP3PRO format.</li> <li>• The [MODE (MP3, JPEG)] setting has been set to [IMAGE (JPEG)] (page 58).</li> </ul>
The JPEG image file cannot be played	<ul style="list-style-type: none"> <li>• The DATA CD is not recorded in a JPEG format that conforms to ISO 9660 Level 1/Level 2, or Joliet.</li> <li>• The DATA DVD is not recorded in the MP3 format that conforms to UDF (Universal Disk Format).</li> <li>• It has an extension other than “.JPEG” or “.JPG.”</li> <li>• It is larger than 3,072 (width) × 2,048 (height) in normal mode, or more than 2,000,000 pixels in Progressive JPEG which is used on Internet Web site mainly.</li> <li>• It does not fit the screen (those images are reduced).</li> <li>• The [MODE (MP3, JPEG)] setting has been set to [AUDIO (MP3)] (page 58).</li> </ul>
The MP3 audio tracks and JPEG image file starts playing simultaneously	<ul style="list-style-type: none"> <li>• [AUTO] has been selected in [MODE (MP3, JPEG)] (page 58).</li> </ul>
The titles of album/track/file name are not displayed correctly	<ul style="list-style-type: none"> <li>• The system can only display numbers and letters of the alphabets. Other characters are displayed as [*].</li> </ul>
A disc does not start playing from the beginning	<ul style="list-style-type: none"> <li>• Program play, Shuffle Play, or Repeat Play has been selected. Press CLEAR to cancel these functions before playing a disc.</li> <li>• Resume Play has been selected. During stop, press <input type="checkbox"/> on the system or <input checked="" type="checkbox"/> on the remote and then start playback (page 34).</li> <li>• The title, DVD or PBC menu automatically appears on the monitor screen.</li> </ul>
The system starts playing the disc automatically	<ul style="list-style-type: none"> <li>• The DVD features an auto playback function.</li> </ul>
Playback stops automatically	<ul style="list-style-type: none"> <li>• Some discs may contain an auto pause signal. While playing such a disc, the system stops playback at the auto pause signal.</li> </ul>
You cannot perform some functions such as Stop, Search, Slow-motion Play, or Repeat Play	<ul style="list-style-type: none"> <li>• Depending on the disc, you may not be able to perform some of the operations above. See the operating manual that came with the disc.</li> </ul>
Messages do not appear on the screen in the language you want	<ul style="list-style-type: none"> <li>• With the remote FUNCTION set to DVD, select the desired language in the Setup Display for the on-screen display in [OSD] under [LANGUAGE SETUP] (page 64).</li> <li>• With the remote FUNCTION set to MONITOR, select [Language] under [Setup] menu.</li> </ul>



<b>Problem</b>	<b>Cause/Remedy</b>
The language for the sound track cannot be changed	<ul style="list-style-type: none"> <li>• Multilingual tracks are not recorded on the DVD being played.</li> <li>• The DVD prohibits changing the language for the sound track.</li> </ul>
The subtitle language cannot be changed	<ul style="list-style-type: none"> <li>• Multilingual subtitles are not recorded on the DVD being played.</li> <li>• The DVD prohibits changing the subtitles.</li> </ul>
The subtitle cannot be turned off	<ul style="list-style-type: none"> <li>• The DVD prohibits turning off subtitles.</li> </ul>
The angles cannot be changed	<ul style="list-style-type: none"> <li>• Multi-angles are not recorded on the DVD being played (page 35).</li> <li>• The DVD prohibits changing the angles.</li> </ul>
A disc cannot be ejected and "LOCKED" appears in the front panel display	<ul style="list-style-type: none"> <li>• Contact your Sony dealer or local authorized Sony service facility.</li> </ul>
[Data error] appears on the monitor screen when playing a DATA CD or DATA DVD	<ul style="list-style-type: none"> <li>• The MP3 audio track/JPEG image file you want to play is broken.</li> <li>• The data is not MPEG1 Audio Layer 3 data.</li> <li>• The JPEG image file format does not conform to DCF.</li> <li>• The JPEG image file has the extension ".JPG" or ".JPEG," but is not in JPEG format.</li> </ul>
"DEMO" appears in the front panel display	<ul style="list-style-type: none"> <li>• Contact your Sony dealer or local authorized Sony service facility.</li> </ul>
The system does not work normally	<ul style="list-style-type: none"> <li>• Disconnect the AC power cord (mains lead) from the wall outlet (mains), then reconnect after several minutes.</li> </ul>

*Continued*

## Self-diagnosis function (DVD function only)

### (When letters/numbers appear in the display)

When the self-diagnosis function is activated to prevent the system from malfunctioning, a 5-character service number (e.g., C 13 50) with a combination of a letter and 4 digits appears on the screen and the front panel display. In this case, check the following table.



First 3 characters of the service number	Cause and/or corrective action
C 13	The disc is dirty. Clean the disc with a soft cloth (page 12).
C 31	The disc is not inserted correctly. Restart the system, then re-insert the disc correctly.
E XX (xx is a number)	To prevent a malfunction, the system has performed the self-diagnosis function. Contact your nearest Sony dealer or local authorized Sony service facility and give the 5-character service number. Example: E 61 10

### When displaying the version number on the screen

When you turn on the system, the version number [VER.X.XX] (X is a number) may appear on the screen. Although this is not a malfunction and for Sony service use only, normal system operation will not be possible. Turn off the system, and then turn on the system again to operate.



### Contacting Sony

If, after reading these operating instructions, you have additional questions related to the use of this system, please call our Customer Information Services Center at 1-800-222-SONY (7669) (US residents only) or 1-877-899-SONY (7669) (Canadian residents only).

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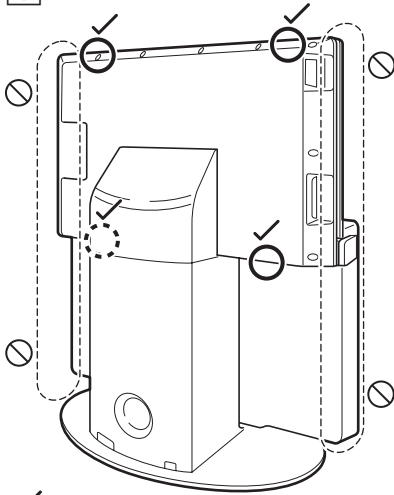






When transporting the system, follow the protection procedure (page 12).

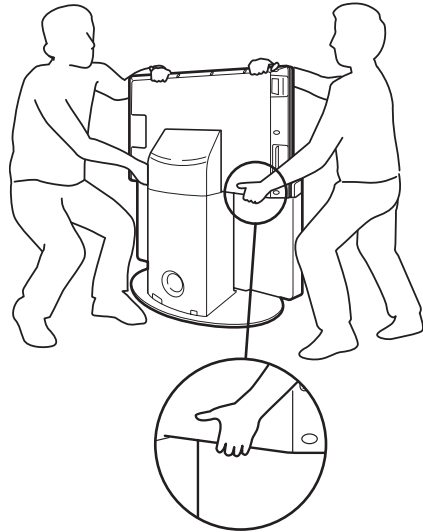
1



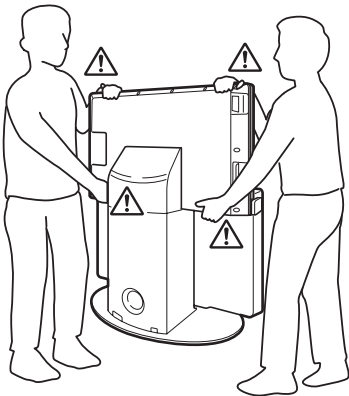
✓ : OK

⊘ : Do not hold

2



3



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