

Pioneer *sound.vision.soul*

Operating Instructions



ELITE

PLASMA DISPLAY SYSTEM

PRO-1150_{HD}

PRO-950_{HD}

IMPORTANT



The lightning flash with arrowhead symbol, within an equilateral triangle, 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.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

D3-4-2-1-1_En-A

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.



WARNING: This equipment is not waterproof. To prevent a fire or shock hazard, do not place any container filled with liquid near this equipment (such as a vase or flower pot) or expose it to dripping, splashing, rain or moisture. D3-4-2-1-3_A_En

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. D1-4-2-8_En

WARNING: This product equipped with a three-wire grounding (earthed) plug - a plug that has a third (grounding) pin. This plug only fits a grounding-type power outlet. If you are unable to insert the plug into an outlet, contact a licensed electrician to replace the outlet with a properly grounded one. Do not defeat the safety purpose of the grounding plug D3-4-2-1-6_A_En

WARNING: To prevent a fire hazard, do not place any naked flame sources (such as a lighted candle) on the equipment. D3-4-2-1-7a_A_En

This digital television is capable of receiving analog basic, digital basic and digital premium cable television programming by direct connection to a cable system providing such programming. A security card provided by your cable operator is required to view encrypted digital programming. Certain advanced and interactive digital cable services such as video-on-demand, a cable operator's enhanced program guide and data-enhanced television services may require the use of a set-top box. For more information call your local cable operator.

VENTILATION CAUTION:

When installing this unit, make sure to leave space around the unit for ventilation to improve heat radiation. For the minimum space required, see page 16.

WARNING: Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the product, and to protect it from overheating. To prevent fire hazard, the openings should never be blocked or covered with items (such as newspapers, table-cloths, curtains) or by operating the equipment on thick carpet or a bed.

WARNING: Handling the cord on this product or cords associated with accessories sold with the product will expose you to chemicals listed on proposition 65 known to the State of California and other governmental entities to cause cancer and birth defect or other reproductive harm.

Wash hands after handling.

D36-P4_A_En

Information to User

Alteration or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

[For Canadian model]

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

FEDERAL COMMUNICATIONS COMMISSION DECLARATION OF CONFORMITY

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.

Product Name: Plasma Display System

Model Number: PRO-1150HD/PRO-950HD

Product Category: Class B Personal Computers & Peripherals

Responsible Party Name: PIONEER ELECTRONICS SERVICE, INC.

Address: 1925 E. DOMINGUEZ ST., LONG BEACH, CA 90801-1760, U.S.A.

Phone: 800-421-1625

URL : <http://www.pioneerelectronics.com>

NOTE: 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.
- 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.


D8-10-1-2_En

CAUTION: This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances such as radios and televisions, use shielded cables and connectors for connections.

D8-10-3a_En

IMPORTANT NOTICE – THE SERIAL NUMBER FOR THIS EQUIPMENT IS LOCATED IN THE REAR. PLEASE WRITE THIS SERIAL NUMBER ON YOUR ENCLOSED WARRANTY CARD AND KEEP IN A SECURE AREA. THIS IS FOR YOUR SECURITY.

D1-4-2-6-1_En

CAUTION: The  switch on this unit will not completely shut off all power from the AC outlet. Since the power cord serves as the main disconnect device for the unit, you will need to unplug it from the AC outlet to shut down all power. Therefore, make sure the unit has been installed so that the power cord can be easily unplugged from the AC outlet in case of an accident. To avoid fire hazard, the power cord should also be unplugged from the AC outlet when left unused for a long period of time (for example, when on vacation)

D3-4-2-2-2a_A_En

STANDBY: When placed into the standby mode, the main power flow is cut and the unit is no longer fully operational.

STANDBY/ON Indicator: The indicator is lit red when the unit is in the standby mode and lit blue when it is in the power-on mode. No operation can be performed when the indicator is off. However, the Plasma Display system will still consume some power as long as the power cord is inserted into the power outlet.

Operating Environment

Operating environment temperature and humidity:

+0 °C to +40 °C (+32 °F to +104 °F); less than 85 %RH (cooling vents not blocked)

Do not install this unit in a poorly ventilated area, or in locations exposed to high humidity or direct sunlight (or strong artificial light)

D3-4-2-1-7c_A_En

Thank you for buying this Pioneer product.

Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.

In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However the method of connecting and operating the unit is the same.

Illustrations shown in this manual are for the PRO-1150HD unless otherwise specified.

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Chapter 1

Important User Guidance Information

In order to obtain maximum enjoyment from this Pioneer PRO-1150HD/PRO-950HD plasma display, please first read this information carefully.

With the Pioneer PRO-1150HD/PRO-950HD, you can be assured of a high quality plasma display with long-life and high reliability. To achieve images of exceptional quality, this Pioneer plasma display incorporates state-of-the-art design and construction, as well as very precise and highly advanced technology.

The Pioneer PRO-1150HD/PRO-950HD incorporates the latest in color filter technology – Direct Color Filter. This improves the color / picture reproduction of these models as compared to previous models. It also eliminates the need for a physical glass panel to be placed in front of the plasma panel, which furthers Pioneer's continued goal of reducing environmental waste in consumer electronics, now during the manufacturing process and in the future during the recycling process.

Over the course of its lifetime, the luminosity of the Pioneer PRO-1150HD/PRO-950HD plasma display will diminish very slowly, such as with all phosphor-based screens (for example, a traditional tube-type television). To enjoy beautiful and bright images on your Pioneer plasma display for many years to come, please carefully read and follow the usage guidelines below.

Usage guidelines

All phosphor-based screens (including conventional tube-type televisions) can be affected by displaying static images for a prolonged period. Plasma displays are no exception to this rule. After-image and permanent effects on the screen can be avoided by taking some basic precautions. By following the recommendations listed below, you can ensure longer and satisfactory results from your plasma:

- Whenever possible, avoid frequently displaying the same image or virtually still moving pictures (e.g. closed-captioned images or video game images which have static portions).
- Avoid viewing the On Screen Display for extended periods, from a DVD player, VCR, and all other components.
- Do not leave the same picture freeze-framed or paused continuously over a long period of time, when using the still picture mode from a TV, VCR, DVD player or any other component.
- Images which have both very bright areas and very dark areas side by side should not be displayed for a prolonged period of time.
- When playing a game, the "GAME" mode setting within "AV Selection" is strongly recommended. However, please limit its use to less than two hours at a time.
- After playing a game, or displaying a PC image or any still image, it is best to view a normal moving picture in the "WIDE" or "FULL" screen setting for over three times longer than the previous still/moving image.
- After using the plasma display, always switch the display to "STANDBY" mode.
- Extensive viewing of content with top, bottom, or side masks may cause uneven wear. After viewing masked content, it is recommended to view full screen motion video for an equal or greater amount of time.

Installation guidelines

The Pioneer PRO-1150HD/PRO-950HD plasma display incorporates a very thin design. To ensure safety, please take the proper measures to mount or install the plasma display, in order to prevent the unit from tipping over in the event of vibration or accidental movement.

This product should be installed by using only parts and accessories designed by Pioneer. Use of accessories other than the Pioneer stand or installation bracket may result in instability, and could cause injury. For custom installation, please consult the dealer where the unit was purchased. To ensure correct installation, experienced and qualified experts must install the unit.

Pioneer will not be held responsible for accident or damage caused by the use of parts and accessories manufactured by other companies, inadequate installation or stabilization, erroneous operation, remodeling or natural disasters.

To avoid malfunction and overheating when installing, make sure that the vents on the main unit are not blocked. To ensure proper heat emission:

- Distance the unit slightly from other equipment, walls, etc. For the minimum space required around the unit, see page 16.
- Do not fit the unit inside narrow spaces where ventilation is poor.
- Do not cover with a cloth, etc.
- Clean the vents on the sides and rear of the unit to remove dust build-up by using a vacuum cleaner set to its lowest suction setting.
- Do not place the product on a carpet or blanket.
- Do not leave the product tilted over.
- Do not invert the product.

Using the unit without proper ventilation may cause the internal temperature to rise, and could result in possible malfunction. When the surrounding or internal temperature exceeds a certain degree, the display will automatically power off in order to cool the internal electronics and prevent a hazardous occurrence.

Malfunction can be caused by many factors: inappropriate installation site, improper assembly/installation/mounting, improper operation of or modifications made to this product. However, Pioneer cannot be held responsible for accidents or malfunction caused by the above.

Note

The following are typical effects and characteristics of a phosphor-based matrix display and as such, are not covered by the manufacturer's limited warranties:

- Permanent residual images upon the phosphors of the panel.
- The existence of a minute number of inactive light cells.
- Panel generated sounds, examples: Fan motor noise, and electrical circuit humming / glass panel buzzing

 **Caution**

Pioneer bears no responsibility for any damage arising from incorrect use of the product by you or other people, malfunctions when in use, other product related problems, and use of the product except in cases where the company must be liable.

Plasma display protection function

When still images (such as photos and computer images) stay on the screen for an extended period of time, the screen will be slightly dimmed. This is because the protection function of the plasma display automatically adjusts the brightness to protect the screen when detecting still images; so this does not designate malfunction. The screen is dimmed when a still image is detected for about three minutes.

Information of pixel defect

Plasma screens display information using pixels. Pioneer plasma display panels contain a very large number of pixels. (Depending on the panel size; over 2.3 million pixels in case of a 42 inch display, over 3.1 million pixels in case of a 50 inch display). All Pioneer display panels are manufactured using a very high level of ultra-precision technology and undergo individual quality control.

In rare cases, some pixels can be permanently switched off, or on, resulting in either a black or colored pixel permanently fixed on the screen.

This effect is common to all plasma displays because it is a consequence of the technology.

If the defective pixels are visible at a normal viewing distance of between 2.5 and 3.5 meters (8.2 and 11.5 feet) while viewing a normal broadcast (i.e. not a test card, still image or single color display) please contact Pioneer Customer Support Div. (USA) or Customer Satisfaction Dept. (CANADA). See back cover.

If, however, they can only be seen close up or during single color displays then this is considered normal for this technology.

Infrared rays

The plasma display releases infrared rays because of its characteristics. Depending on how the plasma display is in use, the remote controls of nearby equipment may be adversely affected or wireless headphones using infrared rays are interfered with by noise. If this is the case, place that equipment at a location where its remote control sensor is not affected.

Radio interference

While this product meets the required specifications, it emits a small amount of noise. If you place such equipment as an AM radio, personal computer, and VCR close to this product, that equipment may be interfered. If this happens, place that equipment far enough from this product.

Plasma display driving sound

The screen of the plasma display is composed of extremely fine pixels and these pixels emit light according to received video signals. This principle may cause you to hear a buzz or electrical hum coming from the plasma display.

Do not attach such items as labels and tape to the product.

- This may result in the discoloration or scratch of the cabinet.

When not using the product for a long period of time

- If you do not use the product for a long period of time, the functions of the product may be adversely affected. Switch on and run the product occasionally.

Condensation

- Condensation may take place on the surface or inside of the product when the product is rapidly moved from a cold place to a warm place or just after a heater is switched on on a winter morning, for example. When condensation takes place, do not switch on the product until condensation disappears. Using the product with condensation may result in malfunction.

Cleaning the surface of the screen and the glossy surface of the front cabinet

- When cleaning the surface of the screen or the glossy surface of the front cabinet, gently wipe it with a dry soft cloth; the supplied cleaning cloth or other similar cloths (e.g., cotton and flannel). If you use a dusty or hard cloth or if you rub the screen hard, the surface of the product will be scratched.
- If you clean the surface of the screen with a wet cloth, water droplets on the surface may enter into the product, resulting in malfunction.

Cleaning the cabinet

- When cleaning the cabinet of this product, gently wipe it with a clean soft cloth (e.g., cotton and flannel). If you use a dusty or hard cloth or if you rub the cabinet hard, the surface of the cabinet will be scratched.
- The cabinet of this product is mostly composed of plastic. Do not use chemicals such as benzene or thinner to clean the cabinet. Using these chemicals may result in quality deterioration or coating removal.
- Do not expose the product to volatile gas or fluid such as pesticide. Do not bring the product in contact with rubber or vinyl products for a long period of time. The effect of plasticizer in the plastic may result in quality deterioration or coating removal.
- If you clean the surface of the cabinet with a wet cloth, water droplets on the surface may enter into the product, resulting in malfunction.

Handles at the rear of the plasma display

- Do not remove the handles from the rear of the plasma display.
- When moving the plasma display, ask another person for help and use the handles attached to the rear of the plasma display. Do not move the plasma display by holding only a single handle. Use the handles as shown on page 16.
- Do not use the handles to hang the product when installing or carrying the product, for example. Do not use the handles for the purpose of preventing the product from tilting over.

Fan motor noise

The rotation speed of the cooling fan motor increases when the ambient temperature of the plasma display becomes high. You may hear the sound of the fan motor at that time.

To use this product for a long period of time

- Energy Save maintains efficiency of the screen for a long period of time by decreasing picture brightness and lowering power consumption. Setting Energy Save to “Mode 1” is recommended for increased efficiency.

About the menu window size following video format switch

The video program that you watch may be high definition (HD) or standard definition (SD). This plasma display is designed to scale to each type of definition properly. If the video program’s definition type changes while a menu window is displayed on the screen (for example: HD → SD or SD → HD), the menu size may temporarily shrink or enlarge until the scaling is completed. This may happen, for example, when you switch between television and an external digital video recorder (D-VHS), or when your recorded program switches between different definition types, while the on-screen menu is being shown.

If this happens, the menu will return to its normal size after two to three seconds. This action is normal, and does not indicate a problem with your plasma display.

Image Retention

When a static image is left frozen on a display for several hours, a faint imprint of the image, known as image retention, can remain. This image retention may be temporary or permanent. Although caused by different things, image retention can occur on all display technologies, including plasma and LCD. On today’s plasma displays, permanent image retention is less of a worry. Most image retention can be improved simply by watching moving video.

Image retention, also known as burn-in, can occur in all phosphor-based display systems (including CRT television systems—both direct view and projection—as well as plasma displays). Displaying the same still images for long periods should be avoided as permanent image retention or burn-in may occur. Recommended guidelines are as follows:

Do not display static images for long periods (such as still images, fixed images from PC or TV game equipment, and/or fixed images such as time of day indicator or channel logo display).

Do not display content in the 4:3 aspect ratio (black or gray bars on left and right side of content) or letter-box content (black bars above and below content) for extended periods of time, or use either of these viewing modes repeatedly within a short period of time. This plasma display is equipped with multiple wide-screen viewing modes; use one of these screen modes to fill the entire screen with content.

Displaying dark images after displaying still images for a period of time may cause image retention. In most cases, the image retention can be corrected by displaying bright images for a similar period of time.

If you display still images on your plasma display for long periods of time, image retention may be irreparable.

Caution

Panel sticking and after-image lag

- Displaying the same images such as still images for a long time may cause after-image lagging. This may occur in the following two cases.

1 After-image lagging due to remaining electric load

When image patterns with very high peak luminance are displayed more than one minute, after-image lagging may occur due to the remaining electric load. The after-images remaining on the screen will disappear when moving images are displayed. The time for the after-images to disappear depends on the luminance of the still images and the time they had been displayed.

2 After-image (lag image) due to burning

Avoid displaying the same image on the plasma display continuously over a long period of time. If the same image is displayed continuously for several hours, or for shorter periods of time over several days, a permanent after-image may remain on the screen due to burning of the fluorescent materials. Such images may become less noticeable if moving images are later displayed, but they will not disappear completely.

Note

- When a program menu, TV Guide screen or frozen image is displayed for 5 to 10 minutes, the system automatically turns the image off to prevent damage from screen burning.
- To minimize image retention, the display position is automatically changed imperceptibly when watching plasma display. Some parts of the picture may not be visible (see *Orbiter* on page 64).

Minimizing damage from screen burning

- Set the Side Mask detection function to “On”. The High Definition 16:9 aspect ratio images containing side masks will be detected automatically and side masks will be added or the image displayed in full screen.
- We recommend that you enjoy watching images displayed in full screen, except when doing so may result in copyright infringement. The use of images displayed in screen sizes different from the original video for financial gain or in broadcasting for public viewing may result in infringement of the legally enforceable rights of the copyright holder (see page 62).

Caution

DO NOT PLACE THIS PRODUCT ON AN UNSTABLE CART, STAND, TRIPOD, BRACKET, OR TABLE. THE PRODUCT MAY FALL, CAUSING SERIOUS PERSONAL INJURY AND SERIOUS DAMAGE TO THE PRODUCT. USE ONLY WITH A CART, STAND, TRIPOD, BRACKET, OR TABLE RECOMMENDED BY THE MANUFACTURER, OR SOLD WITH THE PRODUCT. FOLLOW THE MANUFACTURER’S INSTRUCTIONS WHEN INSTALLING THE PRODUCT AND USE MOUNTING ACCESSORIES RECOMMENDED BY THE MANUFACTURER.

A PRODUCT AND CART COMBINATION SHOULD BE MOVED WITH THE CARE. QUICK STOPS, EXCESSIVE FORCE, AND UNEVEN SURFACES MAY CAUSE THE PRODUCT AND CART COMBINATION TO OVERTURN.



Chapter 2

Safety Precautions

Electricity is used to perform many useful functions, but it can also cause personal injuries and property damage if improperly handled. This product has been engineered and manufactured with the highest priority on safety. However, improper use can result in electric shock and/or fire. In order to prevent potential danger, please observe the following instructions when installing, operating and cleaning the product. To ensure your safety and prolong the service life of your product, please read the following precautions carefully before using the product.

1. Read instructions—All operating instructions must be read and understood before the product is operated.
2. Keep this manual in a safe place—These safety and operating instructions must be kept in a safe place for future reference.
3. Observe warnings—All warnings on the product and in the instructions must be observed closely.
4. Follow instructions—All operating instructions must be followed.
5. Cleaning—Unplug the power cord from the AC outlet before cleaning the product. To clean the product, use the supplied cleaning cloth or other soft cloth (e.g., cotton, flannel). Do not use liquid cleaners or aerosol cleaners.
6. Attachments—Do not use attachments not recommended by the manufacturer. Use of inadequate attachments can result in accidents.
7. Water and moisture—Do not use the product near water, such as bathtub, washbasin, kitchen sink and laundry tub, swimming pool and in a wet basement.
8. Stand—Do not place the product on an unstable cart, stand, tripod or table. Placing the product on an unstable base can cause the product to fall, resulting in serious personal injuries as well as damage to the product. Use only a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the product. When mounting the product on a wall, be sure to follow the manufacturer's instructions. Use only the mounting hardware recommended by the manufacturer.
9. When relocating the product placed on a cart, it must be moved with utmost care. Sudden stops, excessive force and uneven floor surface can cause the product to fall from the cart.



10. Ventilation—The vents and other openings in the cabinet are designed for ventilation. Do not cover or block these vents and openings since insufficient ventilation can cause overheating and/or shorten the life of the product. Do not place the product on a bed, sofa, rug or other similar surface, since they can block ventilation openings. This product is not designed for built-in installation; do not place the product in an enclosed place such as a bookcase or rack, unless proper ventilation is provided or the manufacturer's instructions are followed.
11. Power source—This product must operate on a power source specified on the specification label. If you are not sure of the type of power supply used in your home, consult your dealer or local power company.

12. Power cord protection—The power cords must be routed properly to prevent people from stepping on them or objects from resting on them. Check the cords at the plugs and product.
13. The plasma display used in this product is made of glass. Therefore, it can break when the product is dropped or applied with impact. Be careful not to be injured by broken glass pieces in case the plasma display breaks.
14. Overloading—Do not overload AC outlets or extension cords. Overloading can cause fire or electric shock.
15. Entering of objects and liquids—Never insert an object into the product through vents or openings. High voltage flows in the product, and inserting an object can cause electric shock and/or short internal parts. For the same reason, do not spill water or liquid on the product.
16. Servicing—Do not attempt to service the product yourself. Removing covers can expose you to high voltage and other dangerous conditions. Request a qualified service person to perform servicing.
17. Repair—If any of the following conditions occurs, unplug the power cord from the AC outlet, and request a qualified service person to perform repairs.
 - a. When the power cord or plug is damaged.
 - b. When a liquid was spilled on the product or when objects have fallen into the product.
 - c. When the product has been exposed to rain or water.
 - d. When the product has been dropped or damaged.
 - e. When the product displays an abnormal condition. Any noticeable abnormality in the product indicates that the product needs servicing.
18. Replacement parts—In case the product needs replacement parts, make sure that the service person uses replacement parts specified by the manufacturer, or those with the same characteristics and performance as the original parts. Use of unauthorized parts can result in fire, electric shock and/or other danger.
19. Safety checks—Upon completion of service or repair work, request the service technician to perform safety checks to ensure that the product is in proper operating condition.
20. Wall or ceiling mounting—When mounting the product on a wall or ceiling, be sure to install the product according to the method recommended by the manufacturer.
21. Heat sources—Keep the product away from heat sources such as radiators, heaters, stoves and other heat-generating products (including amplifiers).
22. Unplug the power cord from the AC outlet before installing the speakers (for PRO-1150HD only).
23. Never expose the screen of the plasma display to a strong impact, for example, by hitting it. The screen may be broken, resulting in fire or personal injury.
24. Do not expose the plasma display to direct sunlight for a long period of time. The optical characteristics of the front protection panel changes, resulting in discoloration or warp.
25. The plasma display weighs about 40.8 kg (89.9 lbs.) for the PRO-1150HD (including the stand and speaker) and about 31.8 kg (70.1 lbs.) for the PRO-950HD (including the stand). Because it has small depth and is unstable, unpack, carry, and install the product with one more person at least and use the handles.

Installation Precautions

Observe the following precautions when installing with any items such as the optional bracket.

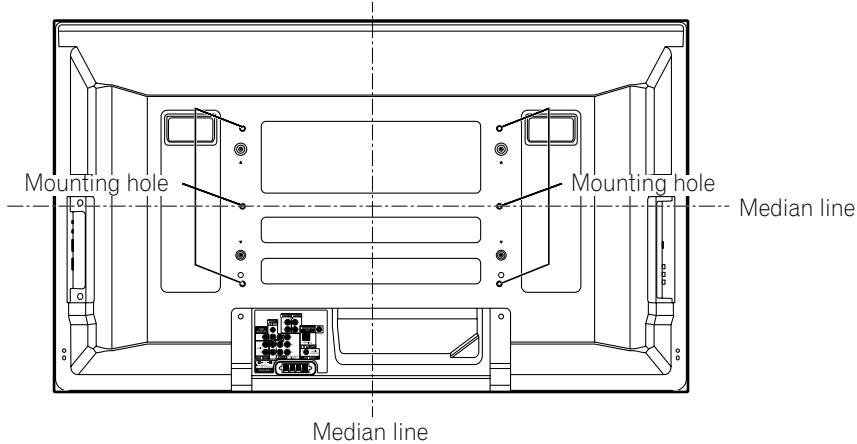
When using the optional brackets or equivalent items

- Ask your dealer to perform the installation.
- Be sure to use the supplied bolts.
- For details, see the instruction manual that comes with the optional bracket (or equivalent items).

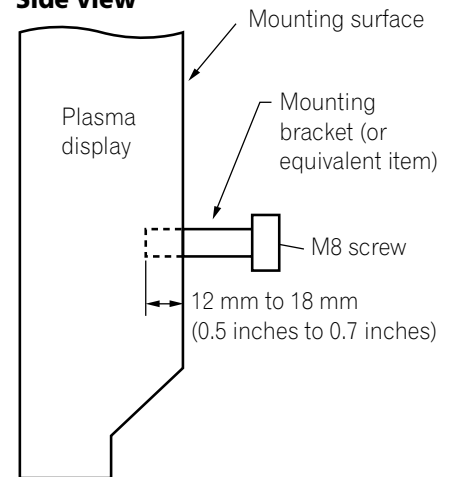
When using other items

- Consult your dealer.
- The following six mounting holes can be used for the installation:

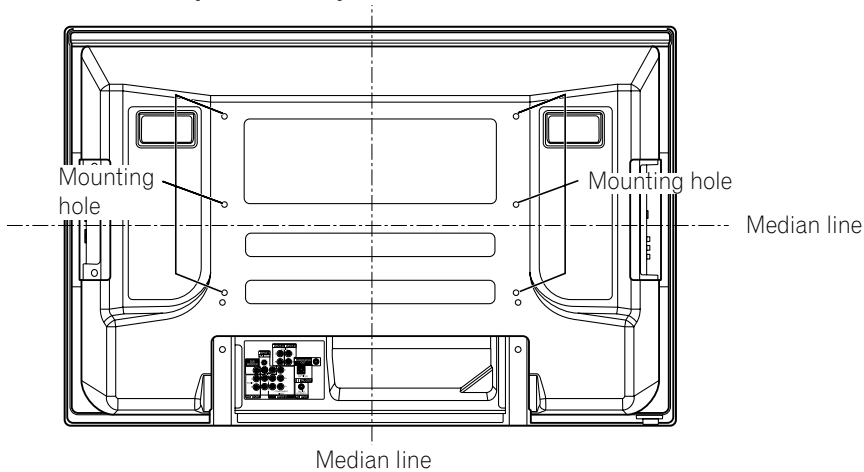
Rear view (PRO-1150HD)



Side view



Rear view (PRO-950HD)



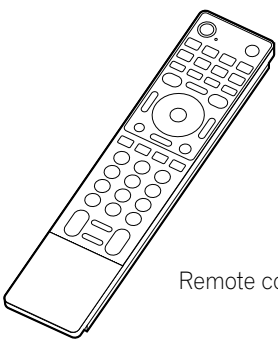
Caution

- Be sure to use four or more mounting holes symmetrical to the vertical and horizontal median lines.
- Use M8 screws, which go 12 mm to 18 mm (0.5 inches to 0.7 inches) in depth from the mounting surface of the plasma display. See the side view above.
- Be careful not to block the ventilation opening at the rear of the plasma display.
- Be sure to install the plasma display on a flat surface because it contains glass.
- The screw holes other than the above are to be used only for the specified products. Never use them for mounting non-specified products.

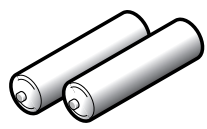
Note

- It is strongly recommended to use the optional Pioneer mounting products.
- Pioneer shall not be liable for any personal injury or product damage that results from the use of mounting items other than the optional Pioneer products.

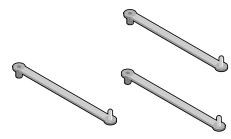
Chapter 3 Supplied Accessories



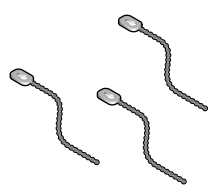
Remote control unit



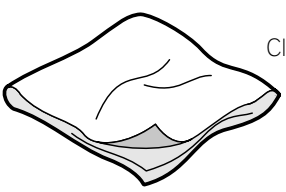
AA size batteries × 2
(Alkaline batteries for remote control unit)



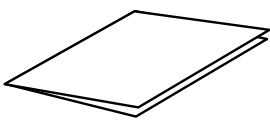
Speed clamps × 3



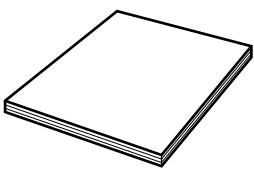
Bead bands × 3



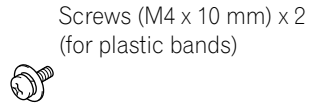
Cleaning cloth



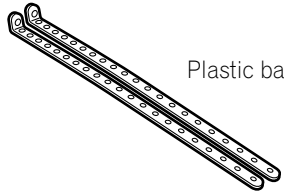
Warranty card



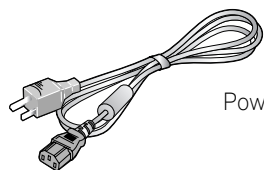
Operating instructions



Screws (M4 x 10 mm) × 2
(for plastic bands)



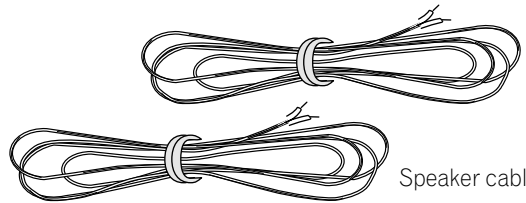
Plastic bands × 2



Power cord (2 m/6.6 feet)

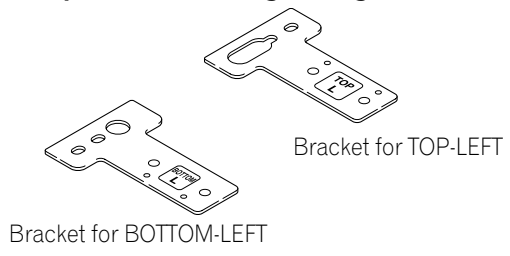
Speaker accessories

(for PRO-1150HD only)



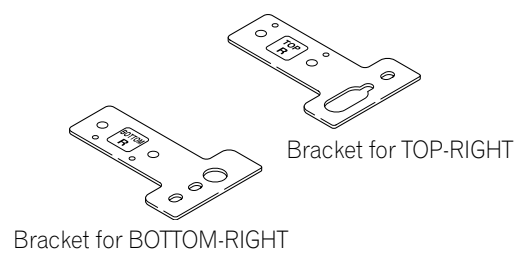
Speaker cables × 2

Speaker Mounting Fittings



Bracket for TOP-LEFT

Bracket for BOTTOM-LEFT



Bracket for TOP-RIGHT

Bracket for BOTTOM-RIGHT

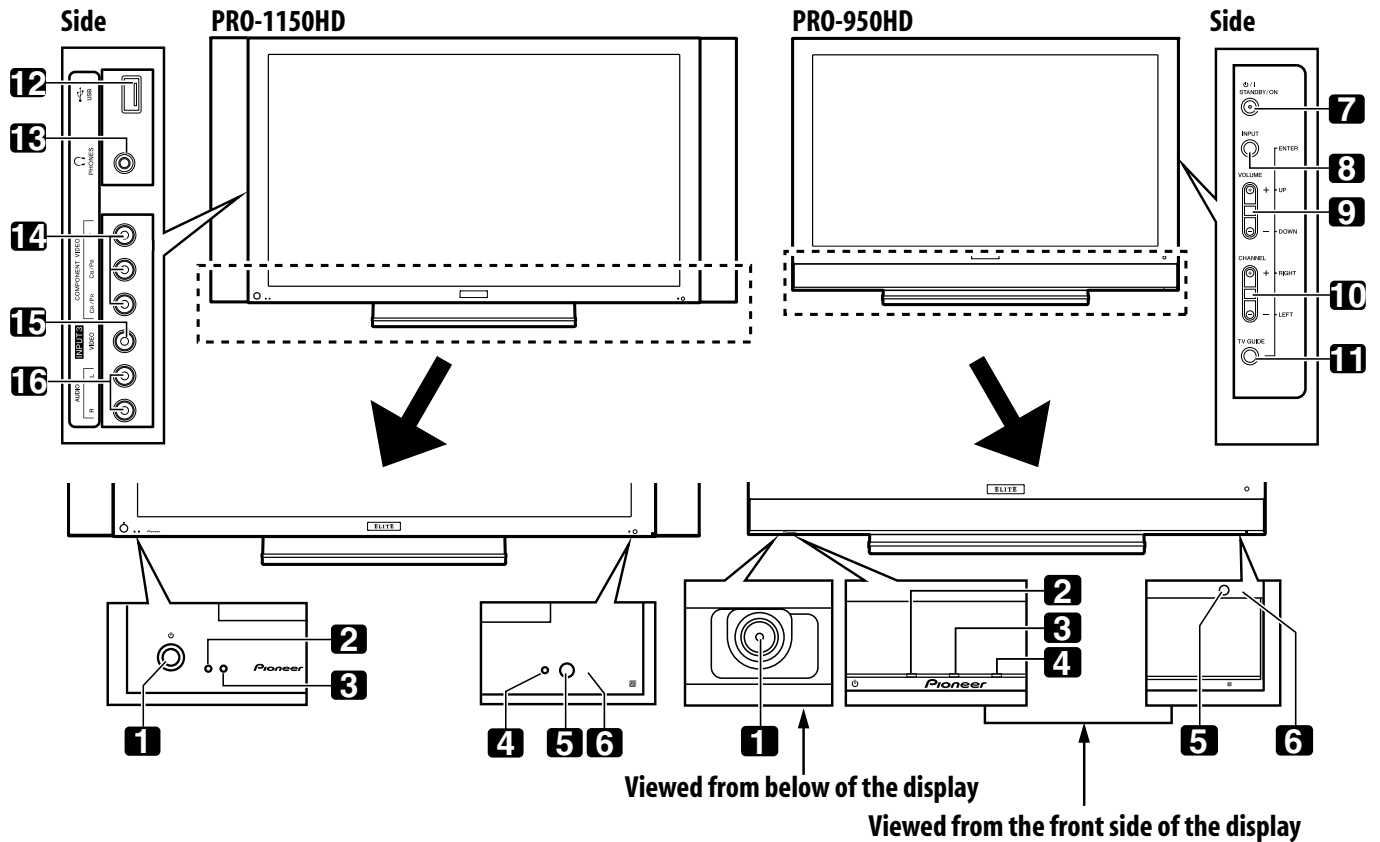


Speaker mounting screws
(M5 x 10 mm: Black) × 16

Chapter 4 Part Names

Plasma display

(Front)



The terminals on side panels are common to the PRO-1150HD and PRO-950HD.

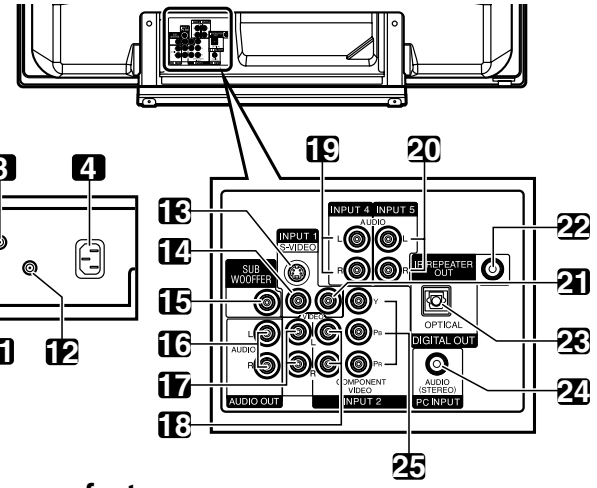
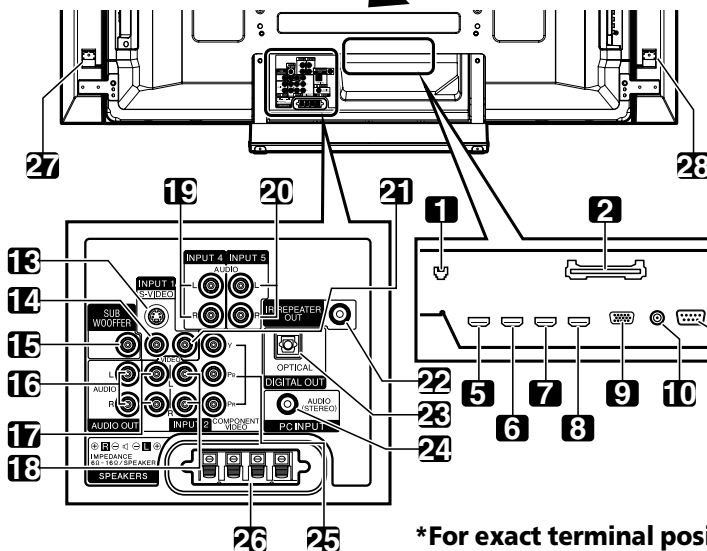
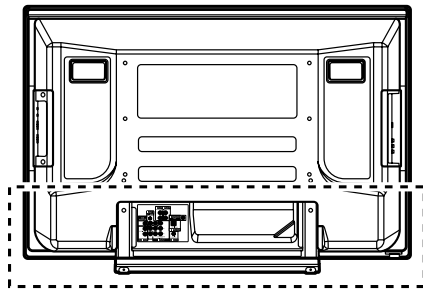
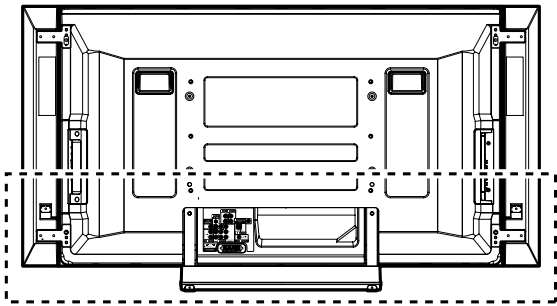
- 1 button
(See page 26.)
- 2 POWER ON indicator
(See page 26.)
- 3 STANDBY indicator
(See page 26.)
- 4 SLEEP indicator
- 5 Room Light Sensor
- 6 Remote control sensor
- 7 **STANDBY/ON** button
- 8 **INPUT** button (**ENTER** button*)
- 9 **VOLUME UP/DOWN** buttons (**UP/DOWN** buttons*)
- 10 **CHANNEL UP/DOWN** buttons (**LEFT/RIGHT** buttons*)
- 11 **TV GUIDE** button*
- 12 USB port
- 13 PHONES output terminal
- 14 INPUT 3 terminals (COMPONENT VIDEO: Y, PB, PR)
- 15 INPUT 3 terminal (VIDEO)
- 16 INPUT 3 terminals (AUDIO)

The buttons with asterisks (*) can operate the TV Guide On Screen™ system.

(Rear)

PRO-1150HD

PRO-950HD



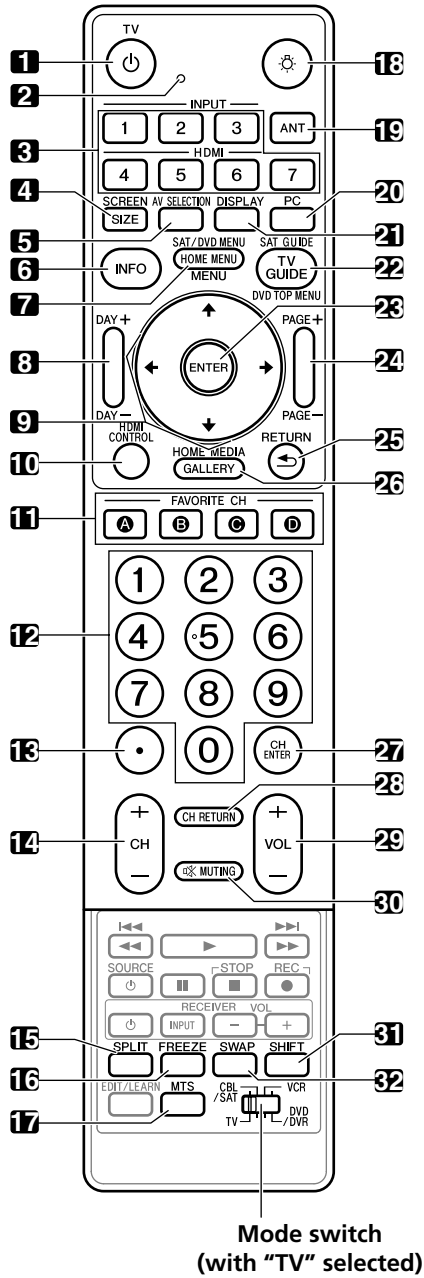
***For exact terminal positions, refer to the terminal position sheet located near the terminal compartment.**

The terminals from 1 to 12 are the same as the PRO-1150HD.

- 1 Ethernet cable port
- 2 CableCARD™ slot
- 3 ANT/CABLE A IN terminal
- 4 AC IN terminal
- 5 INPUT 4 terminal (HDMI)
- 6 INPUT 5 terminal (HDMI)
- 7 INPUT 6 terminal (HDMI)
- 8 INPUT 7 terminal (HDMI)
- 9 PC INPUT terminal (ANALOG RGB)
- 10 CONTROL OUT terminal (supports SR+)
- 11 RS-232C terminal (used for factory setup)
- 12 ANT B IN terminal
- 13 INPUT 1 terminal (S-VIDEO)
- 14 INPUT 1 terminal (VIDEO)
- 15 SUB WOOFER terminal
- 16 AUDIO OUT terminals (AUDIO)
- 17 INPUT 1 terminals (AUDIO)
- 18 INPUT 2 terminals (AUDIO)
- 19 INPUT 4 terminals (AUDIO)
- 20 INPUT 5 terminals (AUDIO)
- 21 INPUT 2 terminal (VIDEO)
- 22 IR REPEATER OUT terminal
- 23 DIGITAL OUT terminal (OPTICAL)
- 24 PC INPUT terminal (AUDIO)
- 25 INPUT 2 terminals (COMPONENT VIDEO: Y, Pb, Pr)
- 26 SPEAKERS (R/L) terminals
- 27 SPEAKERS (R) terminal (Speaker side)
- 28 SPEAKERS (L) terminal (Speaker side)

Remote control unit

This section describes the functions of the buttons available when the mode switch has been set to TV. For the buttons for controlling other equipment, see *Using the remote control unit to control other devices* starting from page 99.



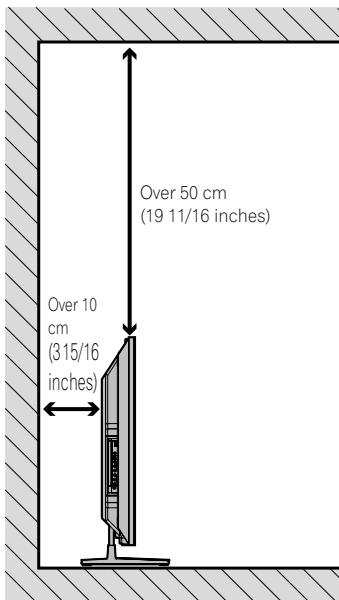
- 1 **TV** : Turns on the power to the plasma display or places it into standby mode.
- 2 **Transmission confirmation LED**
- 3 **INPUT**: Selects an input source of the plasma display. ("INPUT 1", "INPUT 2", "INPUT 3", "INPUT 4", "INPUT 5", "INPUT 6" and "INPUT 7")
- 4 **SCREEN SIZE**: Selects the screen size.
- 5 **AV SELECTION**: Selects audio and video settings. (AV source: OPTIMUM, STANDARD, DYNAMIC, MOVIE, PURE, GAME, USER. PC source: STANDARD, USER.)
- 6 **INFO**: Displays a channel banner when a TV program is being watched.
When the TV Guide On Screen™ system is in operation, displays information about the currently highlighted channel (if available).
- 7 **HOME MENU**: Displays the HOME MENU screen.
MENU: Displays a panel menu when the TV Guide On Screen™ system is in operation.
- 8 **DAY +/-**: Jumps to the next or previous day of program listings in the TV Guide On Screen™ Listing service.
- 9 **↑/↓/←/→**: Selects a desired item on the menu screen.
- 10 **HDMI CONTROL**: Displays the HDMI Control menu.
- 11 **FAVORITE CH (A, B, C, D)**: Selects any of the four preset channels. See page 42 for details to set the FAVORITE CH.
While watching, you can toggle the set channels by pressing **A, B, C** and **D**.
- 12 **0 to 9**: Selects the channel.
- 13 **•(dot)**: Enters a dot.
- 14 **CH +/-**: Selects the channel.
- 15 **SPLIT**: Switches the screen mode among 2-screen, picture-in-picture, and single-screen.
- 16 **FREEZE**: Freezes a frame from a moving image. Press again to cancel the function.
- 17 **MTS**: Selects MTS/SAP or language depending on the program being watched.
- 18 **☼**: Lights up all buttons
Lights turn off if no operations are performed within five seconds. This is used for remote control use in dark locations.
- 19 **ANT**: Selects the antenna (A, B). See page 23 for details.
- 20 **PC**: Selects the PC terminal as an input source.
- 21 **DISPLAY**: Displays the channel information.
- 22 **TV GUIDE**: Displays the TV Guide On Screen™ system.
- 23 **ENTER**: Executes a command.
- 24 **PAGE +/-** (for the TV Guide On Screen™ system): Scrolls the program listing screen vertically.
- 25 **RETURN**: Returns to the previous menu screen.
- 26 **HOME MEDIA GALLERY**: Displays the Home Media Gallery screen.
- 27 **CH ENTER**: Executes a channel number.
- 28 **CH RETURN**: Returns to the previous channel. This button is disabled while the TV Guide On Screen™ system is displayed.
- 29 **VOL +/-**: Sets the volume.
- 30 **MUTING**: Mutes the sound.
- 31 **SHIFT**: Moves the location of the small screen when in the picture-in-picture mode.
- 32 **SWAP**: Switches between the two screens when in the 2-screen or picture-in-picture mode.

Note

- When using the remote control unit, point it at the plasma display.
- See pages 92 to 102 for operating buttons not listed on this page.

Chapter 5 Preparation

Installing the plasma display



Location

- Avoid direct sunlight. Maintain adequate ventilation.

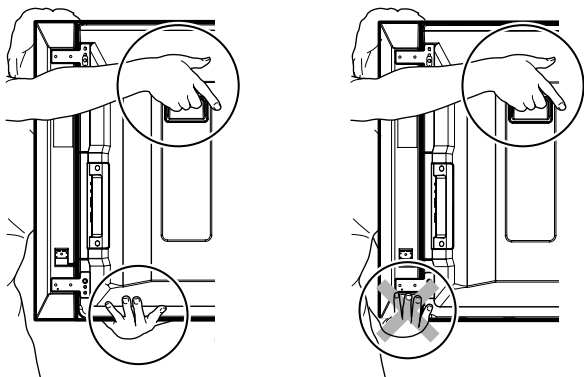
Note

- Allow enough space around the upper and back parts when installing to ensure adequate ventilation of the rear of the unit.

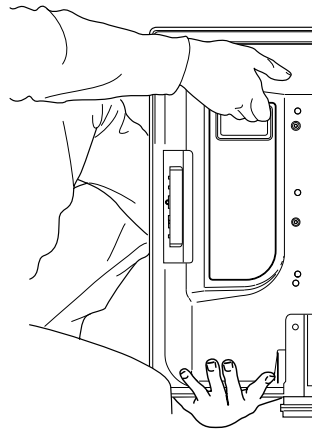
Moving the plasma display

Because the plasma display is heavy, be sure to have someone help you when moving it.

(PRO-1150HD)



(PRO-950HD)



Caution

When installing on a rack, etc., hold the plasma display.

Installing the Pioneer speaker (PRO-1150HD)

Caution

- Do not move the display holding on to the mounting fittings. This can result in injury or damage to the unit.

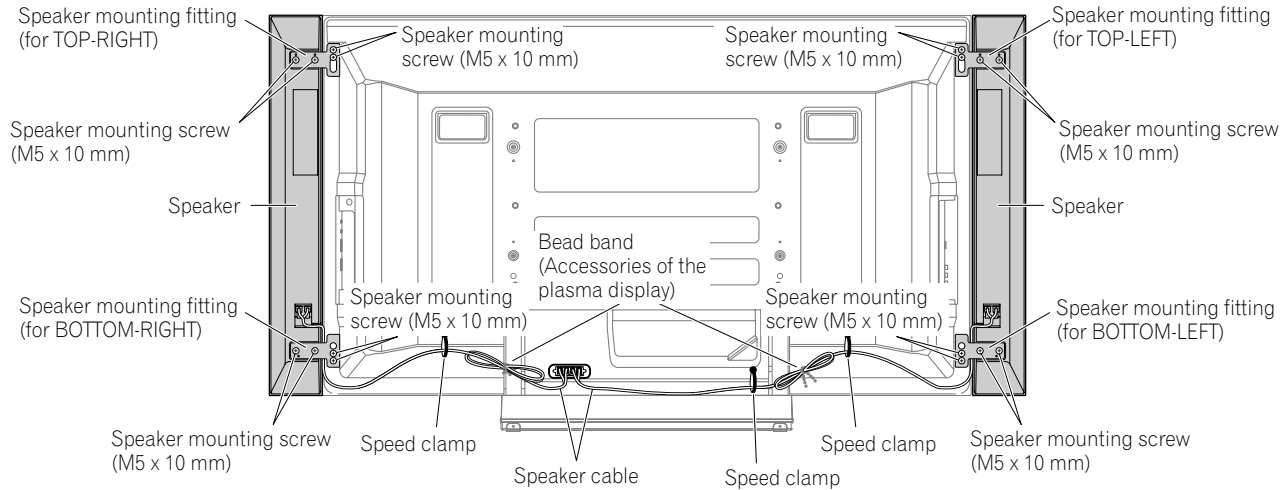
About the speaker

- In order to prevent damage to the speaker system resulting from input overload, please observe the following precautions:
- Do not use the speaker with anything other than the plasma display. Doing so may result in damage or fire.
- Be sure to turn the connected devices off and remove the power cord from the power outlet beforehand when changing the connection or installation method.
- When using a tone control function to greatly emphasize treble sounds, do not use excessive amplifier volume.
- Please handle the speaker with sufficient care, as the grille net and the cabinet can become damaged or broken when they are subjected to strong external impacts.
- Placing a CRT computer screen or CRT monitor near to the speaker may result in interference or color distortion. If this happens, distance the monitor from the speaker.

Installation

- When installing the speaker, do not use any screws other than those supplied, otherwise the speaker may come off from the main unit and fall over.
- When installing the speaker, tighten the screws firmly.

**PRO-1150HD with the speaker installed
(with the Pioneer table top stand)**

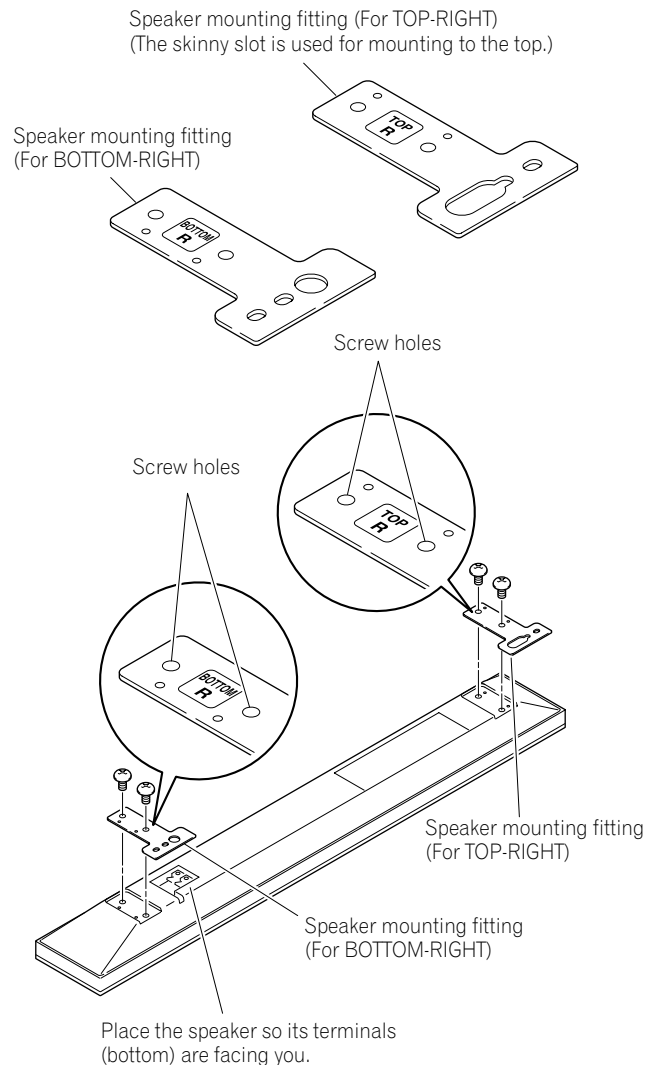


Note

- Before installing the speaker, make sure that the Pioneer table top stand is attached to the plasma display.
- When using the hang on wall unit, first lay the plasma display on top of a soft sheet, etc., remove the stand, then attach the speaker.

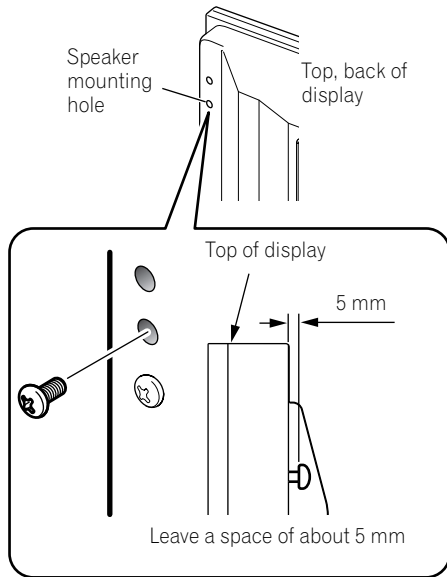
1. Attach the speaker mounting fittings to the speakers.

- There is a left speaker and a right speaker. When you are mounting them, check the label on the back to get them right.
- There are top and bottom speaker mounting fittings for both the left and the right speaker. Attach the appropriate fittings to the top and the bottom on the back of the speakers using the supplied screws.
(It shows the attachment of the fitting on the right side. It is attached on the left side by the same procedure.)



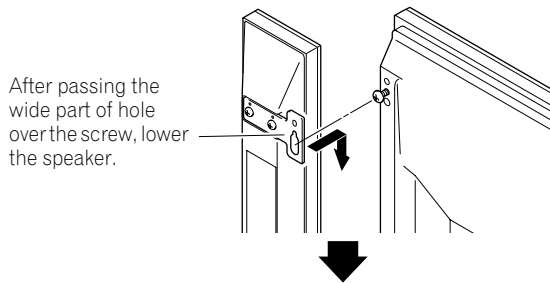
2. Screw a supplied screw into the speaker mounting hole (lower of the two) at the top, rear of the display.

- Do not tighten it all the way yet. Leave it loose, with about 5 mm left to tighten.

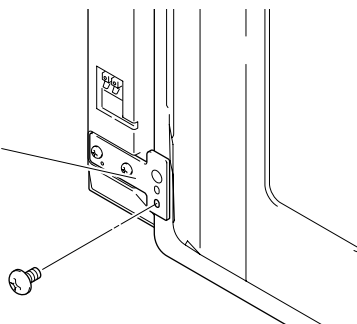


3. Hang the speaker mounting fitting on the screw you installed at the top by passing the wide part over it and lowering into the slot; screw in the lower screw temporarily.

After passing the wide part of the hole of the speaker mounting fitting (top) over the screw, lower the speaker onto it.

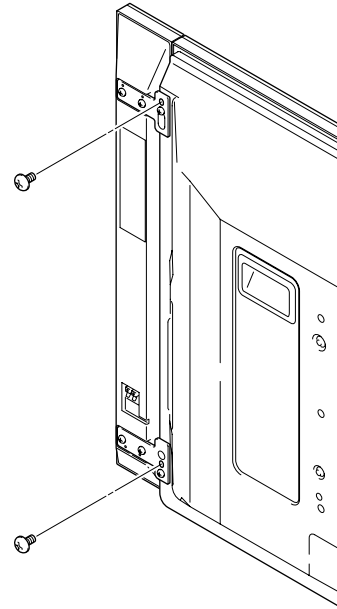


Tighten with the provided screw the bottom speaker mounting fitting to the display temporarily (one place bottom).



4. Adjust the position of the speaker and then tighten the upper and lower screws firmly.

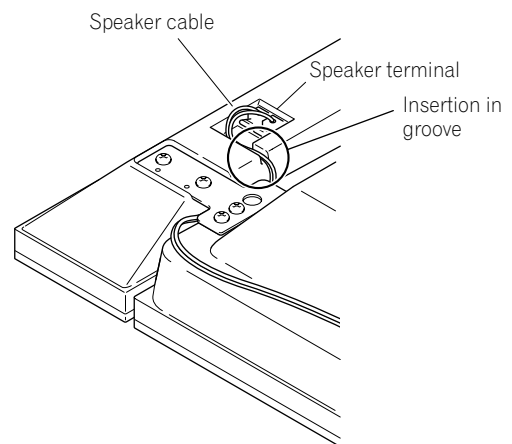
5. Tighten the two screws, at the top and bottom for each speaker (total of four screws), thus fixing the speakers to the display.



6. Pass the supplied speaker cable between the speaker and the plasma display (below the speaker mounting fitting) from below.

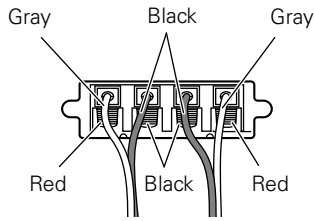
7. Connect the speaker cables to the speaker (see next page).

8. Insert the cable in the groove on the speaker.



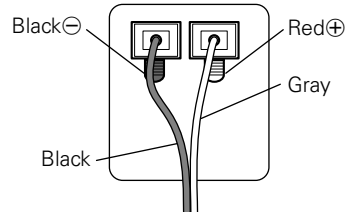
9. Connect the other end of the speaker cables to the rear of plasma display (see next page).

Connecting the speaker cables to the rear of plasma display.

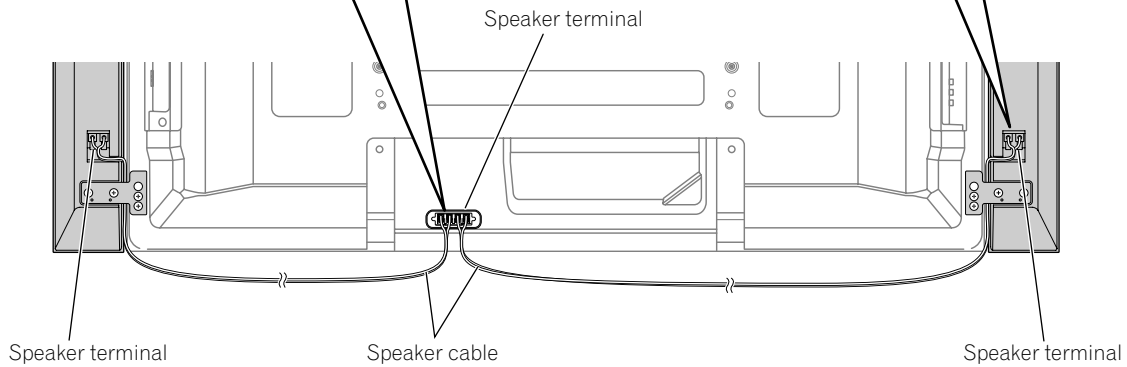


Connect the cables correctly with respect to the polarity of the plasma display speaker terminals, that is, \oplus cable (Gray) to \oplus terminals (Red) and \ominus cable (Black) to \ominus terminals (Black).

Connecting the speaker cables to the speaker.

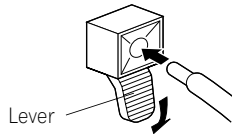


Connect the cables correctly with respect to the polarity of the speaker terminals, that is, \oplus cable (Gray) to \oplus terminals (Red) and \ominus cable (Black) to \ominus terminals (Black).



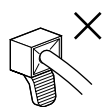
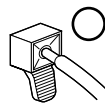
Note

- Press the lever and insert the end of the cable.
- When you release the lever, it clamps onto the speaker cable.



Caution

- Be sure to turn the connected devices off and remove the power cord from the wall outlet beforehand when changing the connection or installation method.
- If you insert the speaker cable too far so that the insulation is touching the speaker terminal, you may not get any sound.



- Check if the end of the speaker cables are securely connected to the terminals by slightly tugging on the cable after making connections. Loose connections may result in sound dropouts or noise.
- If there is a short in the \oplus and \ominus cables caused by an exposed lead wire, excessive load may be applied to the plasma display, resulting in interrupted operation or malfunction.
- Incorrect connections of the speaker cable to the right or left of the plasma display terminals with respect to the polarity may result in insufficient stereo sound effects, delivering poor bass sounds or unstable sound image.
- Bundle the cable without pulling.

Preventing the plasma display from falling over

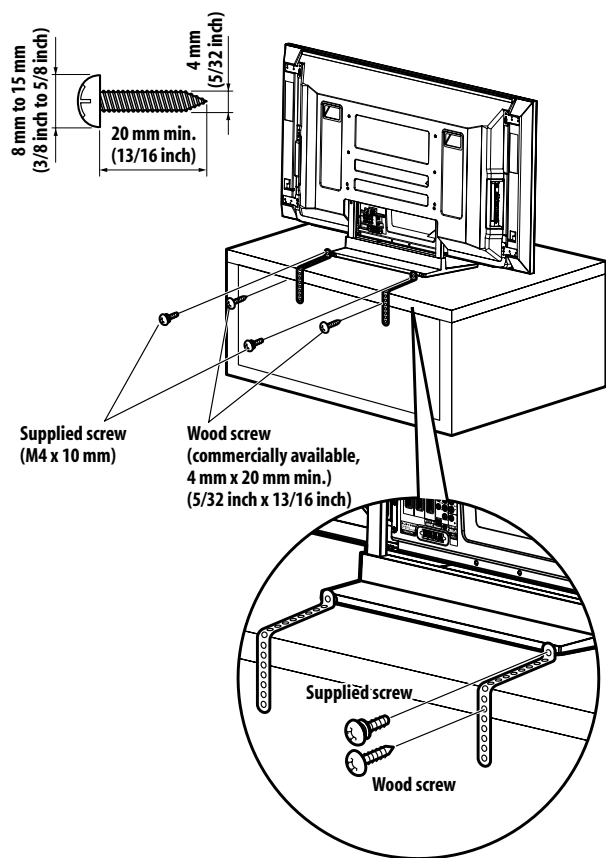
After installing the stand, be sure to take special care to ensure that the plasma display will not fall over and is stabilized to both the wall and rack.

Stabilizing on a table or rack

Stabilize the plasma display as shown in the diagram using the supplied plastic bands and screws.

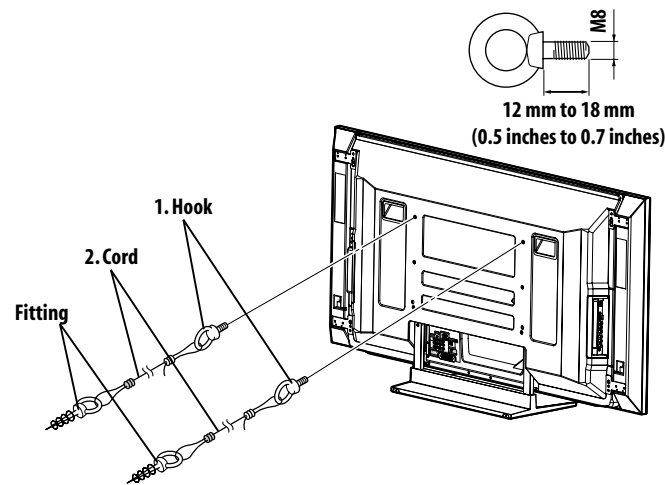
Note

- To stabilize the plasma display on a table or rack, also use commercially available wood screws that have a nominal diameter of 4 mm (5/32 inch) and that are at least 20 mm (13/16 inch) long.



Note

- Use hooks, cords and fittings that are available on the market. Recommended hook: Nominal diameter 8 mm, length 12 mm to 18 mm (0.5 inches to 0.7 inches)



Caution

- A table or rack with adequate strength should always be used to support the plasma display. Failure to do so could result in personal injury and physical damage.
- When installing the plasma display, please take the necessary safety measures to prevent it from falling or overturning in case of emergencies, such as earthquakes, or of accidents.
- If you do not take these precautions, the plasma display could fall down and cause injury.
- The screws, hooks, cords and other fittings that you use to secure the plasma display to prevent it from overturning will vary according to the composition and thickness of the surface to which it will be attached.
- Select the appropriate screws, hooks, cords, and other fittings after first inspecting the surface carefully to determine its thickness and composition and after consulting a professional installer if necessary.

Drill a hole in the middle at the rear of the tabletop panel before using a wood screw. Perform this work the same way on the left and right sides.

Using a wall for stabilization

- 1 Attach falling prevention bolts (hooks) to the plasma display.
- 2 Use strong cords to stabilize it appropriately and firmly to a wall, pillar, or other sturdy element.

Perform this work in the same way on the left and right sides.

Attaching/detaching the Pioneer stand

The plasma display comes with the Pioneer table top stand attached. You can also install the display on a rack by detaching the stand. The method for attaching/detaching the stand varies depending on the product.

⚠ Caution

- This product can be used only with the attached stand. Using other stands can result in instability, possibly causing injury.
- The weight of a 50 inch plasma display is about 34.8 kg (76.7 lbs.) and a 42 inch about 29.9 kg (65.9 lbs.), it has no depth, and is unstable. Therefore, at least two people must assemble and install it.

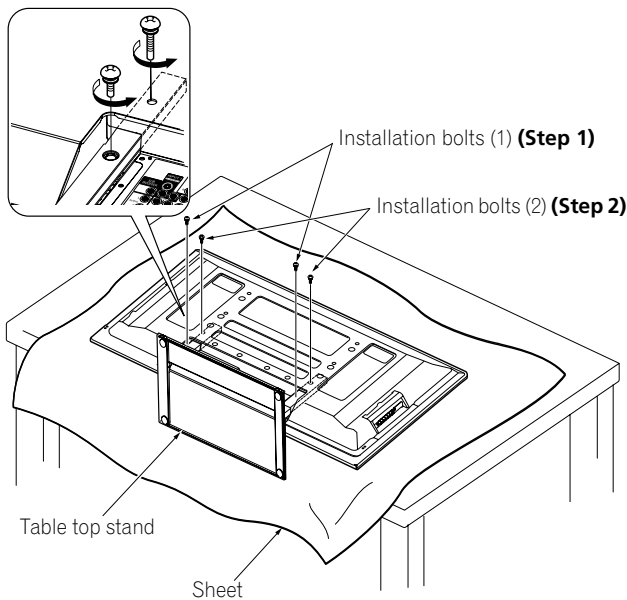
Detaching the stand

- Steps for detaching the stand are the same for PRO-1150HD and PRO-950HD. Illustrations shown are for PRO-1150HD.

1 With the plasma display lying flat, loosen and remove the two installation bolts (1) and (2) using a screwdriver.

Installation bolts (1): M8 x 23 mm (black) for PRO-950HD
M8 x 23 mm (black) for PRO-1150HD

Installation bolts (2): M8 x 60 mm (black) for PRO-950HD
M8 x 40 mm (black) for PRO-1150HD



2 Remove the stand from the plasma display.

📌 Note

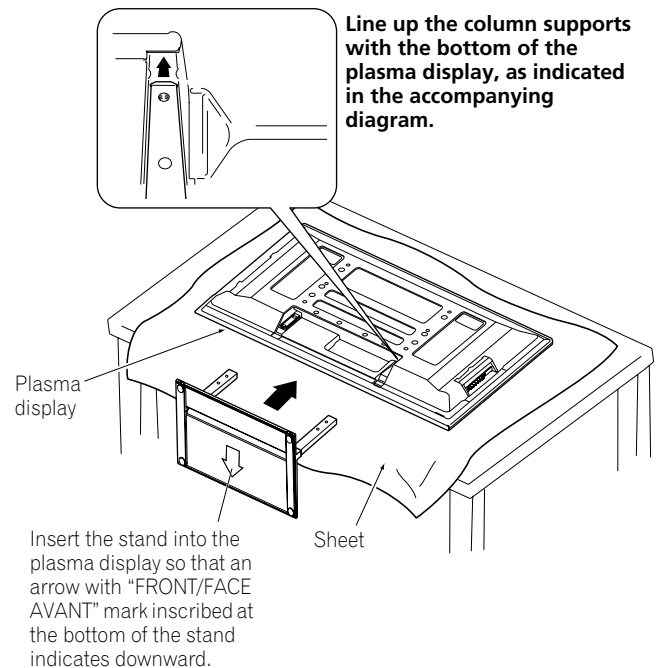
- Make sure to keep the installation bolts (1) and (2) that have been removed as they are re-used when attaching the stand to the plasma display.
- Place a sheet or protective cover to protect the display from scratches or damage.
- Work only with the plasma display lying flat on a table or similar surface.
- When lying the plasma display down, be careful not to scratch or damage it.
- If the speaker has been installed, it is recommended to detach the speaker before removing the stand (for PRO-1150HD only).

Attaching the stand again

- Steps for attaching the stand are the same for PRO-1150HD and PRO-950HD (use the screw holes with "T" inscribed). Illustrations shown are for PRO-1150HD.

1 With the plasma display lying flat, fit the stand's support columns to the bottom of the plasma display as indicated by the arrows, then slowly insert them.

- Be extremely careful not to insert the support columns of the stand into any part of the plasma display other than the stand insertion slots. Doing so might damage the plasma display panel or its ports or result in warping of the stand.

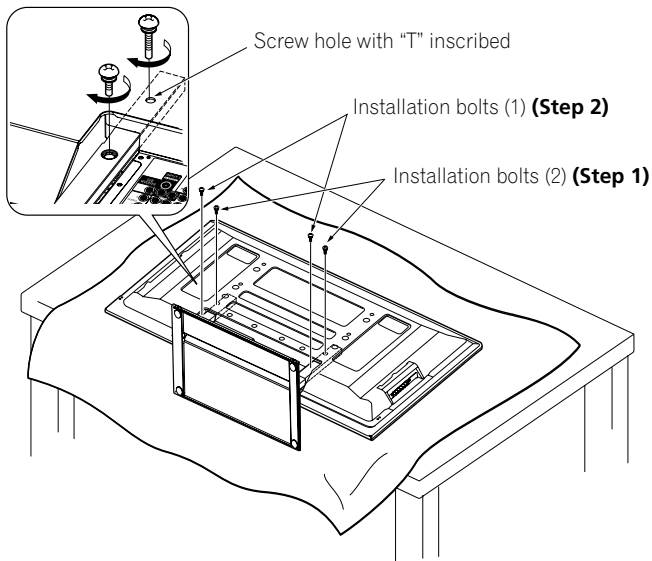


Insert the stand into the plasma display so that an arrow with "FRONT/FACE AVANT" mark inscribed at the bottom of the stand indicates downward.

2 Attach the stand at the points indicated by the arrows and tighten the installation bolts (2) and (1) firmly using a screwdriver.

Installation bolts (1): M8 x 23 mm (black) for PRO-950HD
M8 x 23 mm (black) for PRO-1150HD

Installation bolts (2): M8 x 60 mm (black) for PRO-950HD
M8 x 40 mm (black) for PRO-1150HD



3 Replace the plasma display to stand upright. For speaker installation, see *Installing the Pioneer speaker* on pages 16 (PRO-1150HD only).

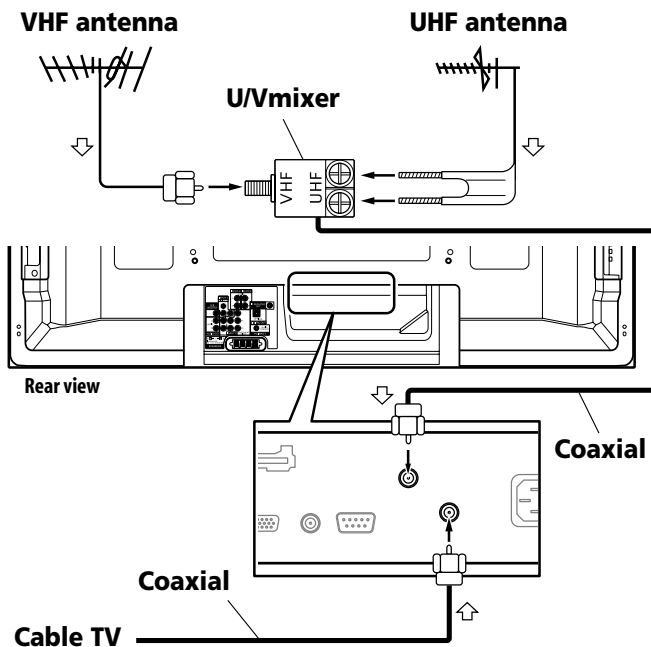
Note

- Be sure to install the plasma display in a flat, stable location.
- Insert the screws into the holes vertically and tighten them.
- Place a sheet or protective cover to protect the display from scratches or damage.
- Work only with the plasma display lying flat on a table or similar surface.
- When lying the plasma display down, be careful not to scratch or damage it.
- If the speaker has been installed, it is recommended to detach the speaker before attaching the stand (for PRO-1150HD only).

Cable connections for watching digital and/or conventional TV channels

This system is equipped with two terminals for inputting TV broadcasting signals: ANT/CABLE A IN and ANT B IN. The ANT/CABLE A IN terminal accepts both digital and conventional TV broadcasting signals while the ANT B IN terminal accepts only conventional TV broadcasting signals. When using cable TV to watch digital and/or conventional TV channels, connect to the ANT/CABLE A IN terminal as shown. In addition, you may connect an antenna to the ANT B IN terminal as shown; use an outdoor antenna to enjoy clearer pictures. If your outdoor antenna uses a 75-ohm coaxial cable with an F-type connector, plug it into the antenna terminal at the rear of the plasma display.

Connecting VHF/UHF antennas and a Cable



Note

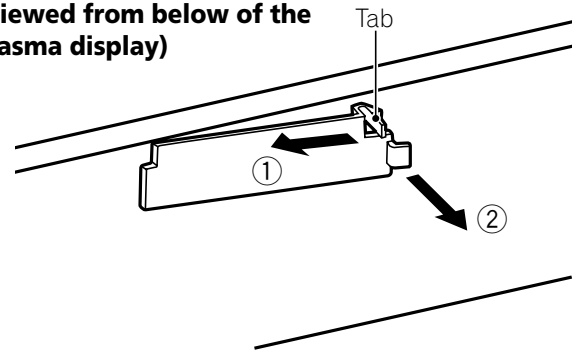
- Be sure to connect coaxial cables as shown above. Signal reception may fail if not properly connected.
- In order to watch cable TV channels, be sure to connect the cable to the ANT/CABLE A IN terminal.
- The ANT/CABLE A IN and ANT B IN terminals must not receive the same signals. For example, do not connect a cable from a cable TV to both the ANT/CABLE A IN and ANT B IN terminals. Similarly, do not connect a cable from an antenna to both the ANT/CABLE A IN and ANT B IN terminals.
- TV Guide may not be available in all areas and is not available with satellite systems. In addition, as content providers move to digital programming and broadcasting, TV Guide Data may be unavailable or become unavailable.

Inserting the CableCARD™

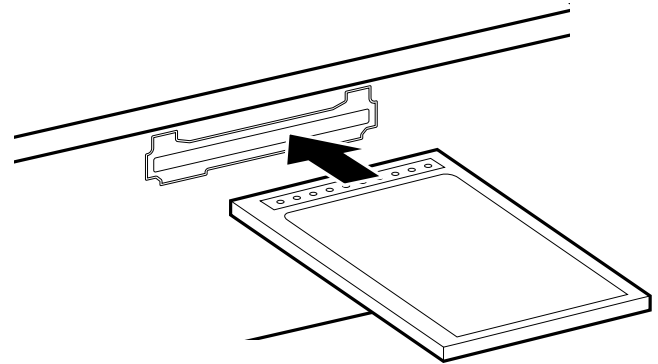
The plasma display is equipped with a slot for inserting a CableCARD™. When you are watching digital and/or High Definition TV channels over cable, the card allows you to use the POD service provided by the cable TV company; the POD stands for Point of Deployment. This service presents various types of useful information, using HTML text.

- 1 Confirm that the ANT/CABLE A IN terminal has been connected with the coaxial cable from the Cable Converter.
- 2 Hold and push the tab of the slot cover on the rear of the plasma display leftward, and remove the cover while pulling the tab's latch downward.

(Viewed from below of the plasma display)



- 3 Insert the specified CableCARD™ into the Cable CARD slot as far as it goes.



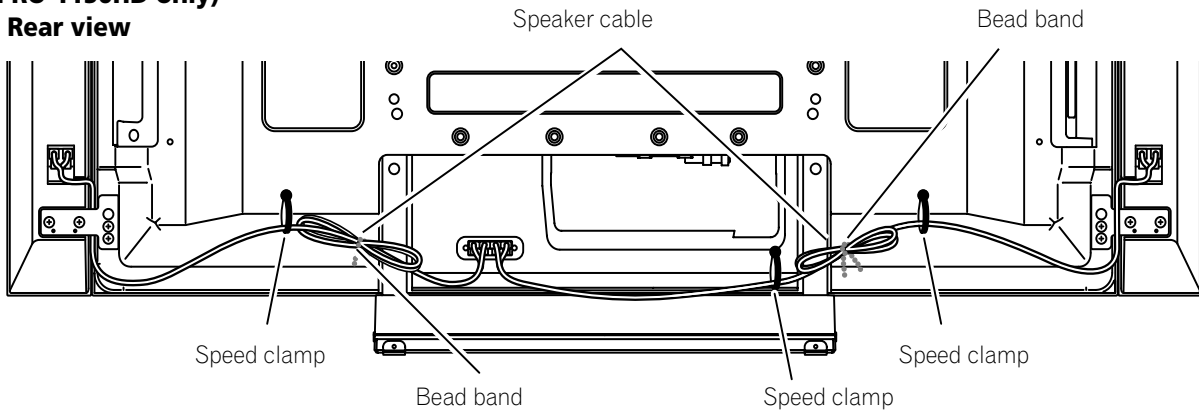
Note

- Be sure to insert only the specified CableCARD™.
- Do not insert a PC card.
- When you use a CableCARD™, you need not execute Auto Channel Preset; the CableCARD™ automatically generates a cable channel list.

Routing cables

**When the speaker is installed under the plasma display panel
(for PRO-1150HD only)**

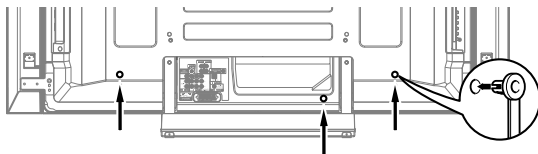
Rear view



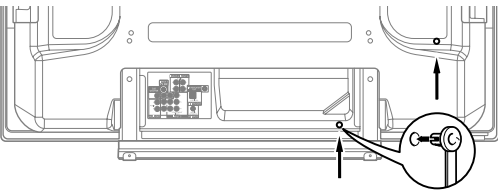
Attaching speed clamps to the main unit

Attach the speed clamps using the three holes (42 inches: two holes) marked with ↑ below, depending on your routing system.

for PRO-1150HD



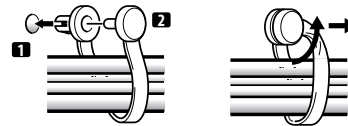
for PRO-950HD



Attaching and removing speed clamps

Insert [1] into an appropriate hole on the rear of the plasma display and snap [2] into the back of [1] to lock the clamp. Speed clamps are designed to be difficult to undo once in place. Please attach them carefully.

Use pliers to twist the clamp 90°, pulling outward. The clamp may deteriorate over time and become damaged if removed.



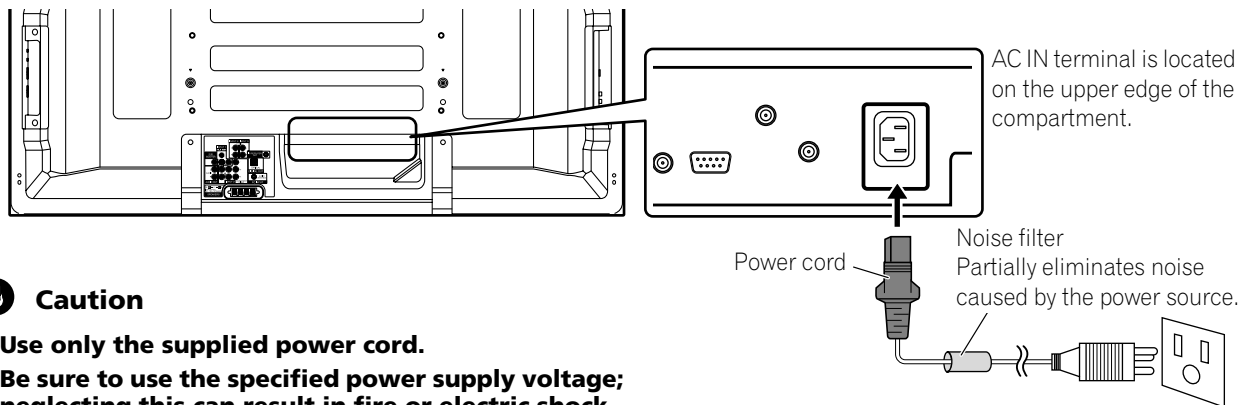
Note

- Use the supplied bead bands and speed clamps as necessary.
- When tidying up your speaker cables, make sure to bundle them so that they are not subjected to any pressure.

Connecting the power cord

Connect the power cord after all component connections have been completed.

Plasma display (rear view)



Caution

- Use only the supplied power cord.
- Be sure to use the specified power supply voltage; neglecting this can result in fire or electric shock.
- For the plasma display, a three-core power cord with a ground terminal is used for efficient protection. Always connect the power cord to a three-pronged outlet and make sure that the cord is properly grounded.

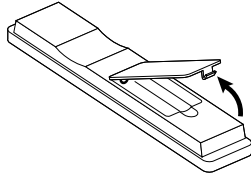
Note

- Always turn off the power of the plasma display when connecting or disconnecting power cords.
- Disconnect the power cord from the power outlet when the plasma display is not going to be used for a long period of time.

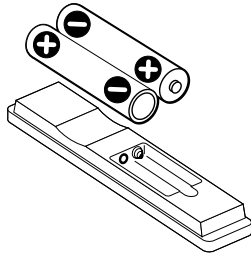
Preparing the remote control unit

Inserting batteries

1 Open the battery cover.

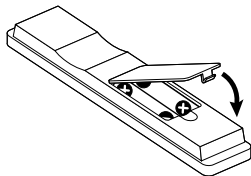


2 Load the supplied two AA size batteries while inserting their respective negative polarity (-) ends first.



- The battery polarities must correspond with the (+) and (-) indicators in the battery compartment.

3 Close the battery cover.



Cautions regarding batteries

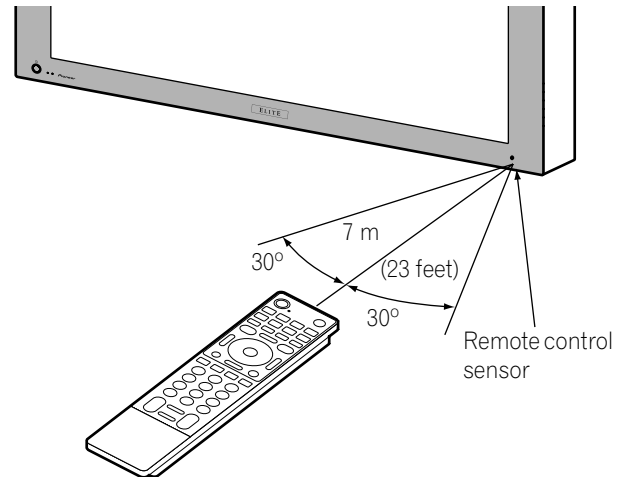
- The remote control unit cannot operate the system if the batteries in the unit are weak. When this happens, replace the batteries with new ones.
- When you replace the batteries, use alkaline batteries for the remote control unit.
- Do not mix batteries of different types. Different types of batteries have different characteristics.
- Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries or cause chemical leakage in old batteries.
- Do not leave dead batteries in the remote control unit; chemical leakage will occur. If you find any chemical leakage, wipe thoroughly with a cloth.
- The batteries supplied with this product may have a shorter life expectancy due to storage conditions.
- If you will not use the remote control unit for an extended period of time, remove the batteries from it.

Battery disposal

When disposing of used batteries, please comply with governmental regulations or environmental public institution's rules that apply in your country/area.

Allowed operation range of the remote control unit

Operate the remote control unit while pointing it toward the remote control sensor located at the bottom right of the front panel of the plasma display. The distance from the remote control sensor must be within 7 m (23 feet) and the angle relative to the sensor must be within 30 degrees in the right or left direction.



Note

- For the remote control sensor located on the PRO-950HD, see *Part Names* on page 13

Cautions regarding the remote control unit

- Do not expose the remote control unit to shock, liquid, or high humidity.
- Do not place the remote control unit under direct sunlight; the unit may deform.
- The remote control unit may not work properly if the remote sensor window of the plasma display is under direct sunlight or strong lighting. In such case, change the angle of the lighting or plasma display, or operate the remote control unit closer to the remote sensor window.
- When any obstacle exists between the remote control unit and the remote control sensor, the remote control unit may not function.
- As the batteries become weak, the remote control unit can function within a shorter distance from the remote control sensor. Replace the batteries with new ones if necessary.
- The plasma display emits very weak infrared rays from its screen. If you place such equipment operated through infrared remote control as a VCR nearby, that equipment may not receive commands from its remote control unit properly or entirely. If this is the case, place that equipment at a location far enough from the plasma display.
- Depending on the installation environment, infrared rays from the plasma display may not allow this system to properly receive commands from the remote control unit or may shorten allowable distances between the remote control unit and the remote control sensor. The strength of infrared rays emitted from the screen differs, depending on images displayed on the screen.

Chapter 6 Basic Operations

Turning on the power

- Press **⏻** on the plasma display when the **POWER ON** and **STANDBY** indicators are off.
 - The POWER ON indicator on the plasma display lights up blue.
- Press **TV ⏻** on the remote control unit or **STANDBY/ON** on the plasma display if the **STANDBY** indicator lights up red.
 - The POWER ON indicator on the plasma display lights up blue.

Turning off the power

(to standby mode)

- 1 Press **TV ⏻** on the remote control unit or **STANDBY/ON** on the plasma display.
 - The system enters the standby mode and the image on the screen disappears.
 - The STANDBY indicator lights up red.
 - This will allow the system to automatically receive digital TV program information while in the standby mode.

Note

- If you are not going to use this system for a long period of time, remove the power cord from the power outlet.

Plasma display status indicators

The table below shows the operational status of the plasma display. You can check the current status of the system with the indicators on the plasma display.

Indicator Status		System Status
POWER ON	STANDBY	
●	●	The power cord of the plasma display has been disconnected. Or, the power cord of the plasma display has been connected but the ⏻ button of the plasma display is off.
☀	●	Power to the system is on.
●	☀	The system is in the standby mode.

For other than the above, see *Troubleshooting* on page 103.

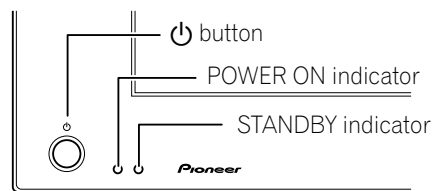
Note

- You can select "Auto", "High", "Mid" or "Low" for the brightness of the POWER ON indicator. When "Auto" is selected, the brightness of the indicator changes to "High", "Mid" or "Low" to match the brightness level of the viewing area. For details, see *Blue LED Dimmer* on page 64.

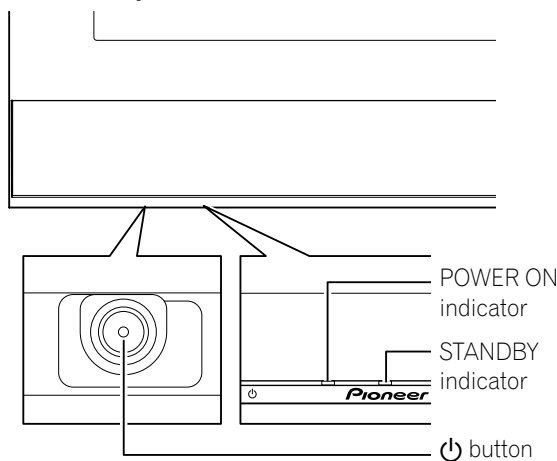
Caution

- While the POWER ON and STANDBY indicators are off, the system cannot be placed into the power-on mode even when **TV ⏻** or **STANDBY/ON** button is pressed. Press **⏻** on the plasma display.
- The plasma display will still consume some power as long as the power cord is inserted into the power outlet.

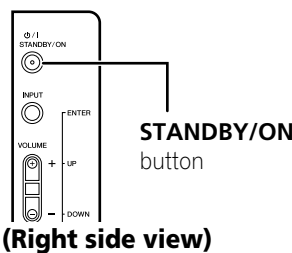
Plasma display (PRO-1150HD)



(PRO-950HD)



Viewed from below of the display (left).



Watching TV channels

Unless you set up TV channels that you can watch under the current conditions, you cannot tune in those channels. For the procedure, see *Setting up TV channels* on page 36.

Note

- When watching a digital TV program, you may see emergency alert messages scrolling at the top of the screen. Those messages are broadcasted by TV stations as necessary when in emergency situations.

Selecting the antenna

After confirming that the Mode switch on the remote control unit has been set to "TV", press **ANT** on the remote control unit to select antenna A or B.

- Make this selection depending on the connections to the antenna input terminals at the rear of the plasma display (page 23).
- While watching a broadcast, press **ANT** to view the image received from the other antenna.
- Pressing **ANT** while watching in the multiscreen mode (TV image and video image) with TV selected will display the TV image of the other antenna.
- Pressing **ANT** while watching in the multiscreen mode with two TV images displayed will not have any effect.

Changing channels

To increase the channel number, press **CH +** on the remote control unit. To decrease the channel number, press **CH -**.

- CHANNEL +/-** on the plasma display operates the same as **CH +/-** on the remote control unit.
- Press **CH RETURN** to switch the currently tuned channel to the previously tuned channel. Press **CH RETURN** again to restore the currently tuned channel.

Using 0 to 9 and • (dot) on the remote control unit

Select channels directly by pressing buttons **0** to **9**. To select subchannels, also use the **•** (dot) button.

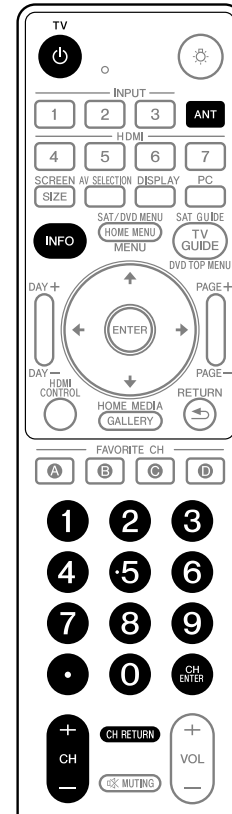
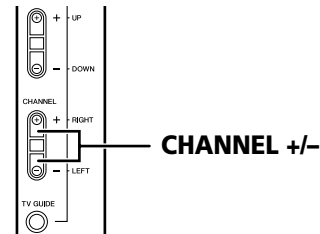
EXAMPLE

- To select channel 5 (one-digit channel), press **5**.
- To select channel 25 (two-digit channel), press **2** then **5**.
- To select channel 125 (three-digit channel), press **1**, **2**, then **5**.
- To select subchannel 10.01, press **1**, **0**, **•** (dot), **0**, then **1**.
- To select subchannel 10.001 (for cable TV), press **1**, **0**, **•** (dot), **0**, **0**, then **1**.

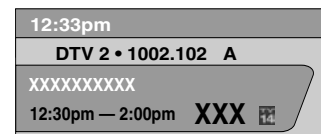
Note

- After entering a channel or subchannel number, you may press **CH ENTER** to tune in the channel more quickly.
- Each time you change a channel, a channel banner appears that shows information about the currently selected channel. To clear the channel banner, press **INFO**.
- If you do not setup the TV Guide On Screen™ system, the channel banner may not display certain types of program information.

Plasma display (right side view)



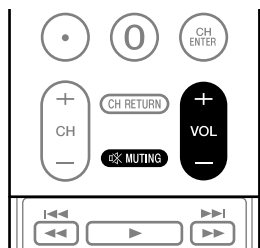
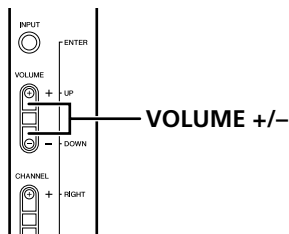
Channel banner



Changing the volume and sound

- **VOLUME +/-** on the plasma display operates the same as **VOL +/-** on the remote control unit.

Plasma display (right side view)



To increase the volume, press **VOL +** on the remote control unit.
To decrease the volume, press **VOL -**.

Volume adjustment display



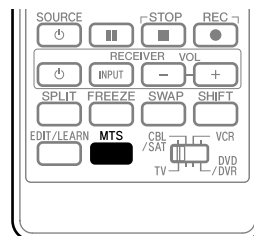
- To mute the sound output, press **MUTING**. "MUTING" appears on the screen. To quit muting, press **MUTING** again. Pressing **VOL +** also quits muting.

Muting display



Changing the language

If you have selected a digital TV program that provides multi-language services, you can switch among the languages by pressing **MTS** on the remote control unit.



Each time you press **MTS**, the language switches.

Note

- Switchable languages differ depending on the current broadcast.
- If the language selected through language setting is available when the channel or program is changed, you will hear that language.
- If you are watching a digital TV program without sound or language information, "N/A" appears on the screen. With a language other than English, French, and Spanish are selected, "Others" will appear.

Setting MTS/SAP mode

When watching conventional TV programs, you may enjoy stereo sound and/or Secondary Audio Programs (SAP), using the Multi-channel Television Sound (MTS) function.

- **Stereo broadcasts**

You can enjoy, for example, sports, shows, and concerts in dynamic stereo sound.

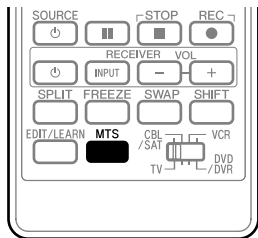
- **SAP broadcasts**

MAIN sound: The normal program soundtrack (either in mono or stereo).

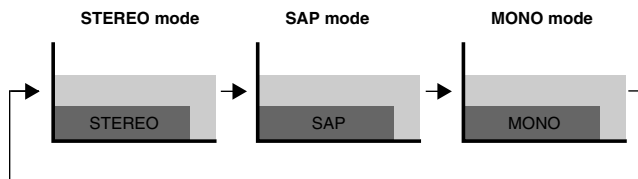
SAP sound: Listen to second language, supplementary commentary and other information. (SAP is mono sound.)

 **Note**

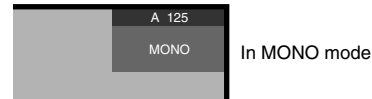
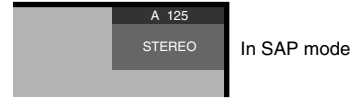
- Conventional TV channels in this manual designate TV channels that are received through the conventional VHF/UHF frequencies or conventional cable TV channels.
- When stereo sound is difficult to hear, you may manually switch to the MONO mode to obtain clearer sound.
- Once the MONO mode is selected, the plasma display sound remains mono even if the system receives a stereo broadcast. You must reselect the STEREO mode if you want to hear stereo sound again.
- Selecting MTS while the input source is INPUT 1 to INPUT 7 or PC does not change the type of sound. In this case, sound is determined by the video source.
- The **MTS** button is disabled while the TV Guide On Screen™ system is displayed.
- In each of the MTS/SAP modes selected, the display changes depend on broadcast signals being received.



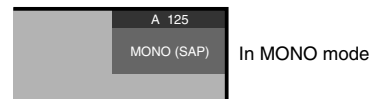
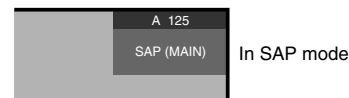
Each time you press **MTS**, MTS toggles as shown below.



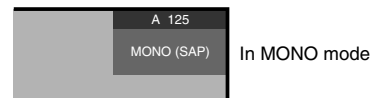
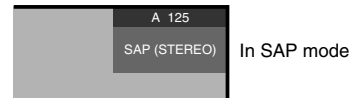
When receiving STEREO sound signals



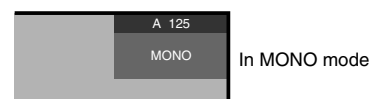
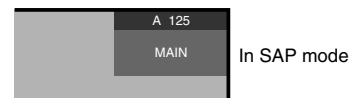
When receiving MONO + SAP sound signals



When receiving STEREO + SAP sound signals

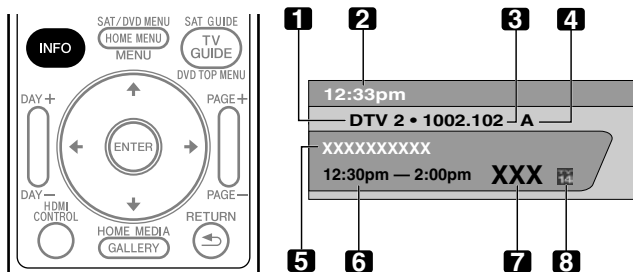


When receiving MONO sound signals



Viewing a channel banner

While watching a TV program, pressing **INFO** causes the following banner to appear. Pressing **INFO** again causes the banner to disappear.



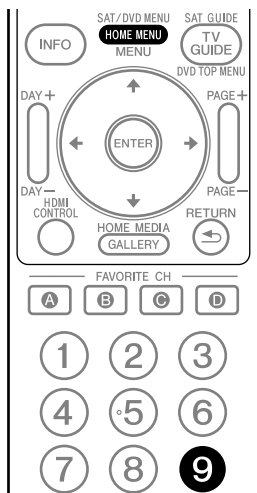
- 1 Station name
- 2 Current time
- 3 Channel number
- 4 Input (Ant. A or Ant. B)
- 5 Program title
- 6 Program time schedule
- 7 Channel logo
- 8 TV rating name or icon

Note

- The above information is not displayed if not included in broadcast signals.
- If you do not setup the TV Guide On Screen™ system, the channel banner may not display certain types of program information.

Using the POD service

If you have watched digital and/or High Definition TV channels over cable, you can use the POD service provided by the cable TV company. This service presents various types of useful information, using HTML text.



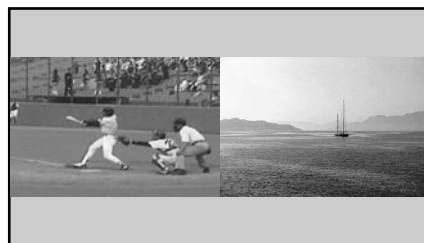
Press **HOME MENU**, **9**, **9**, then **9** to view the POD display.

Using the multiscreen functions

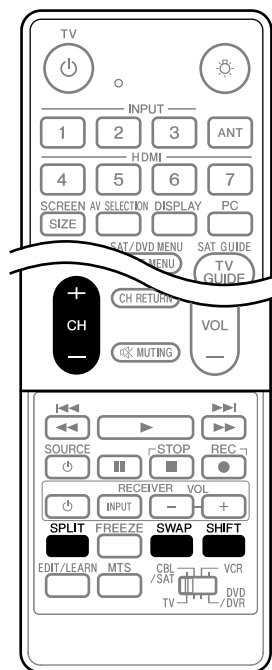
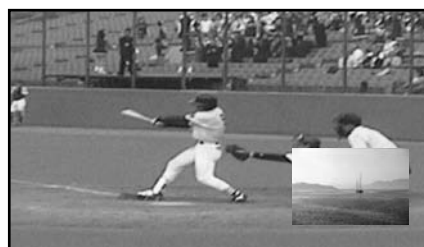
Splitting the screen

Use the following procedure to select the 2-screen or picture-in-picture mode.

2-screen

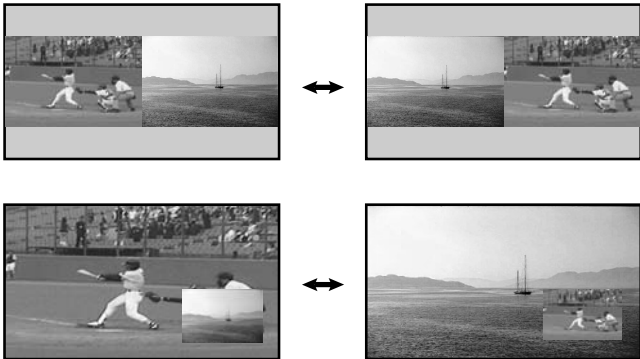


Picture-in-picture

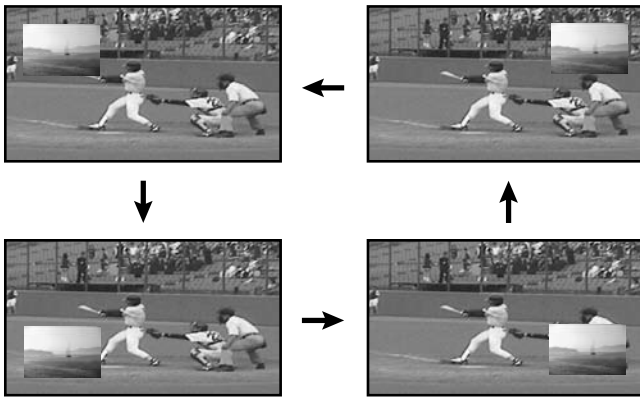


- 1 Press **SPLIT** to select the display mode.
 - Each time you press **SPLIT**, the display mode is switched among 2-screen, picture-in-picture, and single-screen.

- In 2-screen or picture-in-picture mode, press **SWAP** to switch the position of the two screens shown. Left screen is the active screen which will be indicated by “♪”. The user is allowed to operate picture and sound.



- In picture-in-picture mode, press **SHIFT** to move the position of the small screen in anti-clockwise.



2 To select the desired input source, press the appropriate input source button.

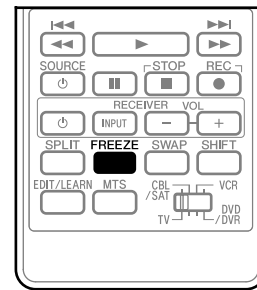
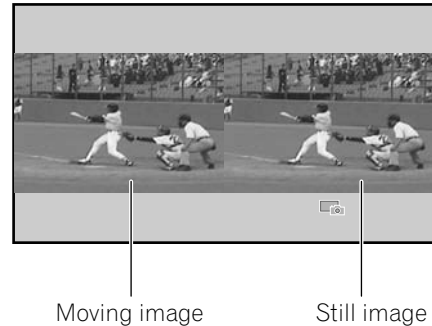
- If watching TV programs, press **CH +/-** to change the channel.

Note

- The **SPLIT** button is disabled while the TV Guide On Screen™ system is displayed.
- The multiscreen function cannot display images from the same input source or two external input sources at the same time. If you make such an attempt, a warning message appears.
- When you press **HOME MENU**, the single-screen mode is restored and the corresponding menu is displayed.
- When the two screens show the same analog broadcasting coming through antenna A and B, the picture quality may differ between the two screens.
- Displaying pictures in multi-screen mode for an extended period may cause an after-image.

Freezing images

Use the following procedure to capture and freeze one frame from a moving image that you are watching.



1 Press FREEZE.

- A still image appears on the right screen while a moving image is shown on the left screen.

2 Press FREEZE again to cancel the function.

Note

- With the screen split, any image cannot be frozen.
- When you try to use this function when it is not available, a warning message appears.
- Image FREEZE is canceled automatically if you do not perform any operation for five minutes.
- Displaying pictures in FREEZE mode for an extended period may cause an after-image.

Chapter 7

TV Guide On Screen™ System Setup

About the TV Guide On Screen™ system

The TV Guide On Screen™ system is a free, interactive on-screen television program guide. The system offers program listings, searching by keyword, reminders and more. The TV Guide On Screen™ system is a convenient way to find out what's on right now or during the coming week, by channel or by genre. It also allows you to automatically set your viewing and recording selections quickly and easily.

Before you can start using the TV Guide On Screen™ system, you'll need to set it up.

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 Note

- The TV Guide On Screen™ interactive program guide provides listings for cable-ready and digital cable services as well as over-the-air broadcast. It does not provide listings for satellite services.
- Depending on the current settings and selected items, the order of the setup screens may differ from the one given in this manual. Follow the instructions shown on the screens.
- TV Guide may not be available in all areas. As content providers move to digital programming and broadcasting, TV Guide data may be unavailable or become unavailable.

Setting up the TV Guide On Screen™ system

When the plasma display is powered on for the very first time, you are automatically taken through the setup process. Immediately thereafter the TV Guide On Screen™ setup process begins, starting with the Welcome Screen. Setup may be accessed from the initial Setup reminder screens, or by pressing TV GUIDE for a device in which TV Guide On Screen™ has not yet been setup.

 Note

- Once you set up the TV Guide On Screen™ system it may take up to 24 hours to begin to receive TV program listings. Receipt of all eight days of listings may take up to one week (see Screen 6).

Welcome Screen

Initial TV set up leads you to the Welcome screen.

Or press **TV GUIDE** to begin setup.

- The Welcome Screen lists features in the Guide.
- Press **ENTER** to display Screen 1 (shown on the right column of this page).



Reminder Screen

If you previously skipped Guide setup, you see the Reminder Screen when you power on your TV.

To make a selection, press **↑/↓** to highlight an option, and press **ENTER**.

- "Start setup" displays Screen 1.
- "Remind me to set it up later" returns you to watching TV.
- "Don't remind me again" returns you to watching TV and stops the reminder screen from appearing upon power on.

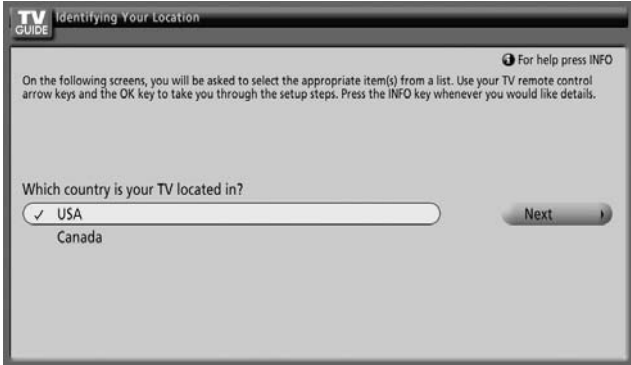
 Note

- If you decide not to set up the Guide now, this reminder screen will appear each time you power on the TV (except if you selected "Don't remind me again").

System Setup Screens

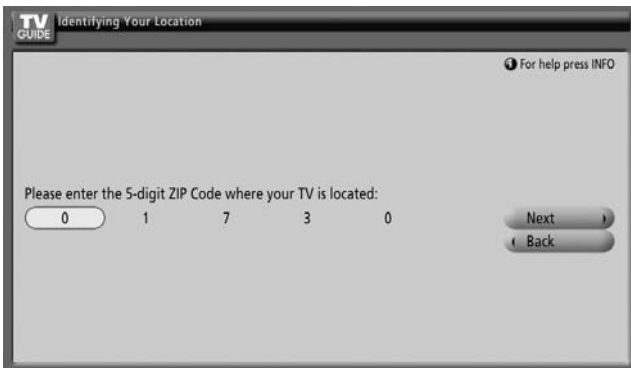
Screen 1: Select Country

- This screen asks you the location of your TV.
- Press **▲/▼** to highlight a country.
- Press **ENTER** to display Screen 2.



Screen 2: Enter ZIP or Postal Code

- If you selected USA in Screen 1, you see the ZIP Code screen.
- Input ZIP Code by either
 - pressing the number keys or
 - pressing **▲/▼** to scroll through numbers, and then **→** to move to the next character field and **Next**.
- You can select the Back button from any screen to return to the previous setup screens to correct or review the information you entered.
- Press **ENTER** to display Screen 3.



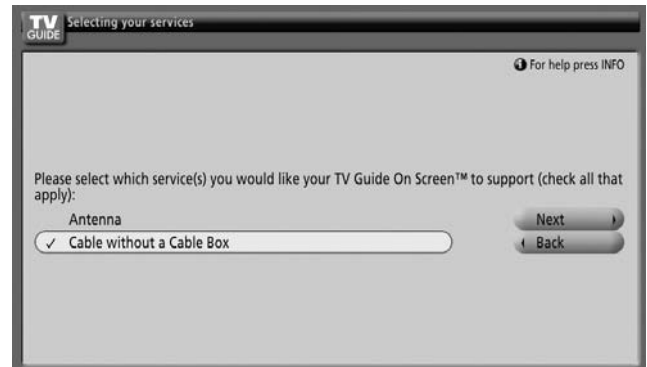
- If you selected Canada in Screen 1, you see the Postal Code screen.
- Input Postal Code by pressing **▲/▼** to scroll through letters (or numbers) and then **→** to move to the next character field.
- Press **→** to highlight **Next**.
- Press **ENTER** to display Screen 3.

Screen 3: Select service(s)

- Press **▲/▼** to highlight the connected video source(s) for which you would like to receive show listings.
- Press **ENTER** to make your selection(s).
- Press **→** to highlight **Next**.
- Press **ENTER** to go to Screen 4.

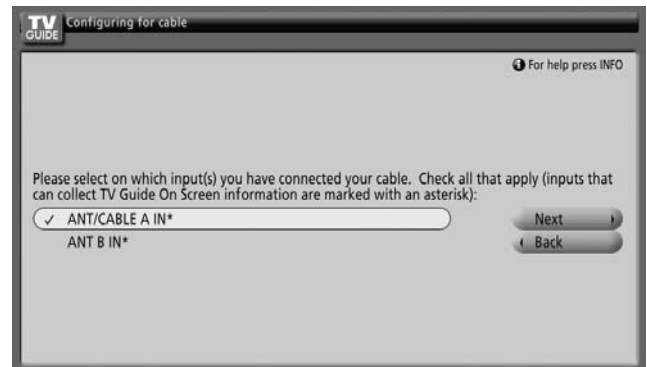
Note

- If you do not have cable service, you must select Antenna in order to receive a channel lineup and listings.



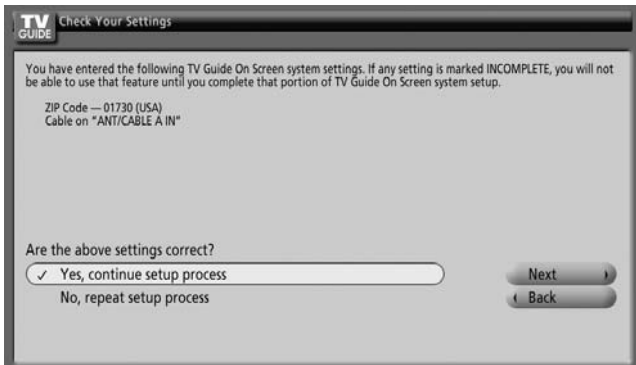
Screen 4: Which input terminal is the system plugged into?

- Select "ANT/CABLE A IN" or "ANT B IN" and you see Screen 5.

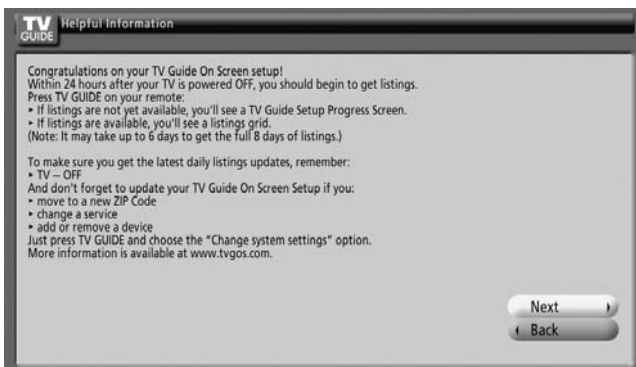


Screen 5: Are the settings correct?

- If you select “Yes”, you see Screen 6.
- If you select “No”, you see Screen 1.



Screen 6: Congratulations



Chapter 8 The HOME MENU

HOME MENU overview

For AV source

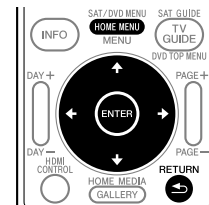
HOME MENU	Item	Page
Picture	AV Selection	53
	Contrast	54
	Brightness	54
	Color	54
	Tint	54
	Sharpness	54
	Pro Adjust	54
	Reset	54
	Sound	Treble
Bass		58
Balance		58
Reset		58
Sound Effect		59
Power Control	Energy Save	59
	No Signal off	59
	No Operation off	60
Sleep Timer	—	60
Option	Position	60
	Auto Size	63
	Side Mask	63
	HDMI Input	66
	HDMI Control Setting	90
	Blue LED Dimmer	64
	Orbiter	64
	Video Pattern	64
	Digital Audio Out	69
	Language	64
	Tuner NR Setting	61
	Game Control Pref	62
	Room Light Sensor	64
	Tuner Setup	Channel Setup
Parental Control		37 – 41
Favorites		42
Closed Captions		42 – 43
Clock		43
Home Media Gallery	—	71 – 87
HDMI Control	—	88

For PC source

HOME MENU	Item	Page
Picture	AV Selection	53
	Contrast	54
	Brightness	54
	Red	54
	Green	54
	Blue	54
	Reset	54
Sound	Same as the AV source	58
Power Control	Energy Save	59
	Power Management	60
Sleep Timer	—	60
Option	Auto Setup	61
	Manual Setup	61
	HDMI Input	66
	HDMI Control Setting	90
Home Media Gallery	—	71 – 87
HDMI Control	—	88

Using the HOME MENU

The following describes the typical procedure for setting up the menus. For the actual procedures, see the appropriate pages that describe individual functions.



- 1 Press HOME MENU.
- 2 Press \uparrow/\downarrow to select a menu item, and then press ENTER.
- 3 Repeat step 2 until you access the desired submenu item.
 - The number of menu layers differs depending on the menu items.
 - If you select "Tuner Setup", a menu bar appears at the bottom of the screen. To select a submenu item on the bar, press \leftarrow/\rightarrow instead of \uparrow/\downarrow .
- 4 Press \leftarrow/\rightarrow to select an option (or parameter), and then press ENTER.
 - For some menu items, press \uparrow/\downarrow instead of \leftarrow/\rightarrow .
- 5 Press HOME MENU to exit the menu.

Note

- You can return to the upper menu levels by pressing RETURN.

Chapter 9 Tuner Setup

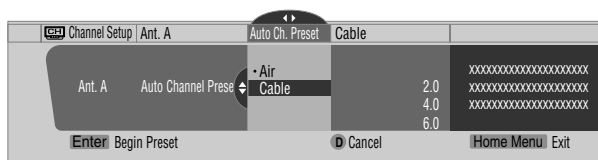
Setting up TV channels

This section describes how to search and set up TV channels that you can watch under the current conditions. Unless you set up TV channels using Auto Channel Preset, you may not be able to tune in those channels.

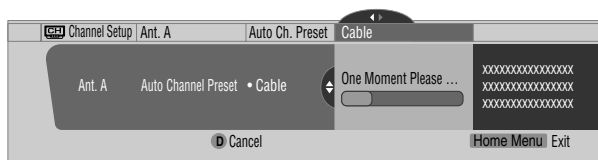
Using Auto Channel Preset

Auto Channel Preset automatically searches and sets up TV channels.

- 1 Press **HOME MENU**.
- 2 Select **"Tuner Setup"** (↑/↓ then **ENTER**).
- 3 Select **"Channel Setup"** (←/→ then **ENTER**).
- 4 Select **"Ant. A"** or **"Ant. B"** (↑/↓ then **ENTER**).
- 5 Select **"Auto Channel Preset"** (↑/↓ then **ENTER**).
- 6 Select **"Air"** or **"Cable"** (↑/↓ then **ENTER**).



- Channel search automatically starts.



- To quit Auto Channel Preset halfway, press **D**.

- 7 After Auto Channel Preset has been finished, press **HOME MENU** to exit the menu.

Note

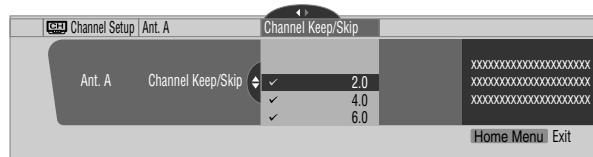
- When using the Cable Converter, you may need to manually add Cable Converter output channels.
- When an inserted CableCARD™ is functioning, you can execute Auto Channel Preset by selecting "Ant.B" in step 4.

Setting for skipping unwanted channels

From among TV channels searched and set up using Auto Channel Preset, you can select channels to be skipped when **CH+/-** are operated.

- 1 Press **HOME MENU**.
- 2 Select **"Tuner Setup"** (↑/↓ then **ENTER**).
- 3 Select **"Channel Setup"** (←/→ then **ENTER**).
- 4 Select **"Ant. A"** or **"Ant. B"** (↑/↓ then **ENTER**).
- 5 Select **"Channel Keep/Skip"** (↑/↓ then **ENTER**).

- 6 Select a channel to be skipped (↑/↓ then **ENTER**).



- For the skipped channel, a check mark disappears.

- 7 Press **HOME MENU** to exit the menu.

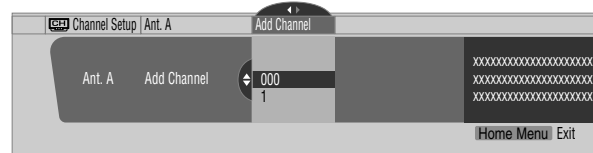
Note

- To restore skipped channels, use the above procedure except that you select a skipped channel in step 6.
- When using the Cable Converter, you may need to manually add Cable Converter output channels.

Setting up TV channels manually

This section describes how to manually set up TV channels that have not been set up by Auto Channel Preset.

- 1 Press **HOME MENU**.
 - 2 Select **"Tuner Setup"** (↑/↓ then **ENTER**).
 - 3 Select **"Channel Setup"** (←/→ then **ENTER**).
 - 4 Select **"Ant. A"** or **"Ant. B"** (↑/↓ then **ENTER**).
 - 5 Select **"Add Channel"** (↑/↓ then **ENTER**).
 - 6 Select a channel number to be added (↑/↓ then **ENTER**).
- You can also use buttons **0** to **9** to enter a channel number.



- After **ENTER** has been pressed, a confirmation screen appears.

- 7 Press **A** to complete the setup process.
- 8 Press **HOME MENU** to exit the menu.

Note

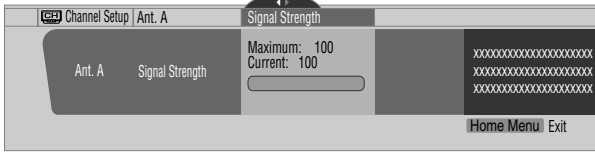
- Adding channels manually is for adding analog channels only. Digital channels cannot be added.

Checking signal strength

When you have selected antenna A, you can check the current channel's signal strength. You may use this function when receiving a channel through a VHF/UHF antenna.

- 1 Press **HOME MENU**.
- 2 Select **"Tuner Setup"** (↑/↓ then **ENTER**).
- 3 Select **"Channel Setup"** (←/→ then **ENTER**).
- 4 Select **"Ant. A"** (↑/↓ then **ENTER**).

5 Select "Signal Strength" (↑/↓ then ENTER).



- Adjust the direction of the antenna so that the current signal strength reaches as close to the maximum signal strength as possible.

6 Press HOME MENU to exit the menu.

Note

- This function is available only when receiving digital broadcasting signals over air.
- When you use the TV Guide On Screen™ system with a cable service, select "Cable" for "Auto Channel Preset".
- Executing more than one scan for cables will result in broadcasting reception failures.

Checking the CableCARD™ ID

The plasma display has a slot for a CableCARD™ that is used for managing your information by the cable TV company. You will locate the CableCARD™ slot on the rear of the plasma display. The following procedure allows you to check your CableCARD™ ID and the Host ID.

- 1 Press HOME MENU.**
- 2 Select "Tuner Setup" (↑/↓ then ENTER).**
- 3 Select "Channel Setup" (←/→ then ENTER).**
- 4 Select "POD ID" (↑/↓).**
 - The Host ID and CableCARD™ ID appear.
- 5 Press HOME MENU to exit the menu.**

Parental Control

With the Parental Control, parents can prevent their children from watching inappropriate TV programs, VCR or DVD contents. When an attempt is made to watch a program (or content) blocked by parents, the plasma display shows nothing but a message. The Parental Control functions for both conventional and digital TV channels.

In the U.S. three rating systems have been provided: the TV ratings, TV Parental Guidelines, and movie ratings. Movie ratings are provided by the Motion Picture Association of America (MPAA) and are used for original movies not edited for television. For the rating system in Canada, see page 39.

Note

- In the U.S. TV Parental Guideline Rating System, programs with a rating of "None" may be blocked on this product. Examples of programs with a "None" rating include:
 - Emergency Bulletins (such as EAS messages, weather warning and others)
 - Locally originated programming
 - News
 - Political
 - Public Service Announcements
 - Religious
 - Sports
 - Weather

- No Parental Control setting is available for any content played or displayed in the Home Media Gallery.

Voluntary movie rating system (MPAA)

Rating	Description
N/A	Not applicable for MPAA ratings
G	General audiences. All ages admitted.
PG	Parental guidance suggested. Some material may not be suitable for children.
PG-13	Parents strongly cautioned. Some material may be inappropriate for children under 13.
R	Restricted. Under 17 requires accompanying parent or adult guardian (age varies in some jurisdictions).
NC-17	No one 17 and under admitted
NR	Not rated

Note

- The voluntary movie rating system only uses an age-based rating.

TV ratings

Rating	Description
TV-Y	All children
TV-Y7	Children seven and above
TV-G	General audiences
TV-PG	Parental guidance suggested
TV-14	Parents strongly cautioned
TV-MA	Mature audiences only

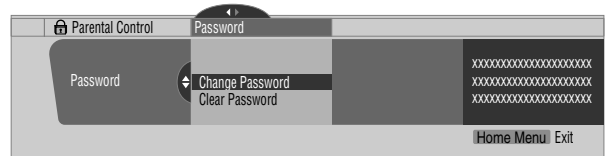
Note

- The system also allows you to select "None", which blocks programs with a rating of "None". For the examples of such programs, see "Note" on the left column on this page.

Changing the password

Using a password prevents other persons from changing Parental Control settings. A default password (1234) has been set before shipment. Use the following procedure to change the password.

- 1 Press HOME MENU.**
- 2 Select "Tuner Setup" (↑/↓ then ENTER).**
- 3 Select "Parental Control" (←/→ then ENTER).**
- 4 Select "Password" (↑/↓ then ENTER).**
- 5 Select "Change Password" (↑/↓ then ENTER).**



- 6 Enter the current four-digit password, using buttons 0 to 9.**

- 7 Enter a four-digit password to be newly set, using buttons 0 to 9.
- 8 Enter the same password that you have entered in step 7.
 - A confirmation screen appears.
- 9 Press A.
- 10 Press HOME MENU to exit the menu.

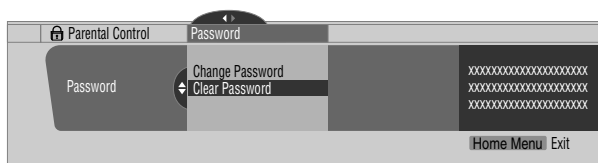
Note

- Take note of the newly set password and keep it handy.

Clearing the password

Use the following procedure to clear the password.

- 1 Press HOME MENU.
- 2 Select "Tuner Setup" (↑/↓ then ENTER).
- 3 Select "Parental Control" (←/→ then ENTER).
- 4 Select "Password" (↑/↓ then ENTER).
- 5 Select "Clear Password" (↑/↓ then ENTER).



- 6 Enter the current four-digit password, using buttons 0 to 9.
 - A confirmation screen appears.
- 7 Press A.
- 8 Press HOME MENU to exit the menu.

Note

- The above procedure will reset the password to the factory default (1234).

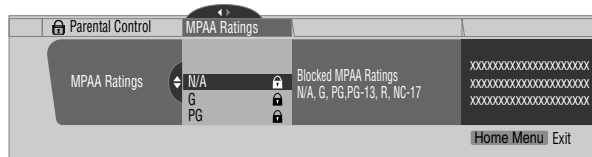
Activating the Parental Control

- 1 Press HOME MENU.
- 2 Select "Tuner Setup" (↑/↓ then ENTER).
- 3 Select "Parental Control" (←/→ then ENTER).
- 4 Select "Status" (↑/↓ then ENTER).
- 5 Select "On" (↑/↓ then ENTER).
 - The password entry screen appears. Enter your four-digit password using buttons 0 to 9.

- 6 Press HOME MENU to exit the menu.

Setting the voluntary movie rating system (MPAA)

- 1 Press HOME MENU.
- 2 Select "Tuner Setup" (↑/↓ then ENTER).
- 3 Select "Parental Control" (←/→ then ENTER).
- 4 Select "MPAA Ratings" (↑/↓ then ENTER).
- 5 Select the desired rating and change the setting (↑/↓ then ENTER).



- The password entry screen appears. Enter your four-digit password using buttons 0 to 9.
- Each time you press **ENTER**, the setting is switched.
- A lock icon appears beside the blocked rating.
- All the ratings have been unblocked before shipment.

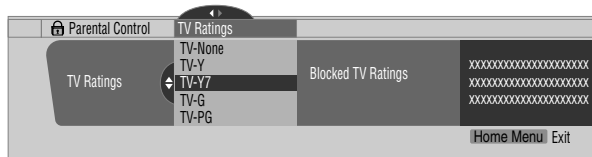
- 6 Press HOME MENU to exit the menu.

Note

- Blocking a rating causes more severe ratings to be automatically blocked as well. Likewise, unblocking a rating causes less severe ratings to be automatically unblocked.

Setting the TV ratings

- 1 Press HOME MENU.
- 2 Select "Tuner Setup" (↑/↓ then ENTER).
- 3 Select "Parental Control" (←/→ then ENTER).
- 4 Select "TV Ratings" (↑/↓ then ENTER).
- 5 Select the desired rating and change the setting (↑/↓ then ENTER).



- The password entry screen appears. Enter your four-digit password using buttons 0 to 9.
- Each time you press **ENTER**, the setting is switched.

We suggest you write down your password so you don't forget it.

PRO-1150HD/PRO-950HD
Your password No.:

If you forget the password

When the message "Enter your Password" is displayed in step 6 under "Clearing the password", press the **ENTER** button on the remote control unit and hold it down for three seconds or longer. The password reverts to "1234".

- A lock icon appears beside the blocked rating.
- All the ratings have been unblocked before shipment.

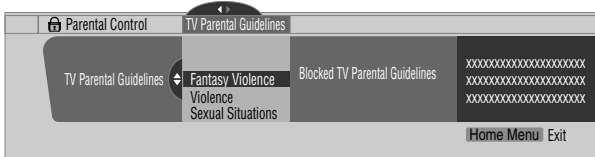
6 Press HOME MENU to exit the menu.

Note

- Blocking a rating causes more severe ratings to be automatically blocked as well. Likewise, unblocking a rating causes less severe ratings to be automatically unblocked.

Setting the TV Parental Guidelines (TV Guidelines)

- 1 Press HOME MENU.**
- 2 Select "Tuner Setup" (↑/↓ then ENTER).**
- 3 Select "Parental Control" (←/→ then ENTER).**
- 4 Select "TV Parental Guidelines" (↑/↓ then ENTER).**
- 5 Select the desired rating and change the setting (↑/↓ then ENTER).**



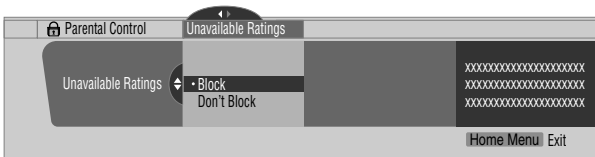
- The password entry screen appears. Enter your four-digit password using buttons **0** to **9**.
- Each time you press **ENTER**, the setting is switched.
- A lock icon appears beside the blocked rating.
- All the ratings have been unblocked before shipment.

6 Press HOME MENU to exit the menu.

Blocking Not Rated TV programs

Use the following procedure to block TV programs whose rating information is unavailable.

- 1 Press HOME MENU.**
- 2 Select "Tuner Setup" (↑/↓ then ENTER).**
- 3 Select "Parental Control" (←/→ then ENTER).**
- 4 Select "Unavailable Ratings" (↑/↓ then ENTER).**
- 5 Select "Block" or "Don't Block" (↑/↓ then ENTER).**



- The password entry screen appears. Enter your four-digit password using buttons **0** to **9**.
- The factory default is "Don't Block".

6 Press HOME MENU to exit the menu.

Canadian rating systems

In Canada you can choose the Canadian English ratings or the Canadian French ratings. These ratings are based on the Canadian Radio-Television and Telecommunications Commission (CRTC) policy.

Canadian English ratings

Rating	Description
E	Exempt: Includes news, sports, documentaries and other information programming; talk shows, music videos, and variety programming.
C	Children: Intended for younger children under the age of eight years. Pays careful attention to themes that could threaten their sense of security and well-being.
C8+	Children over eight years old: Contains no portrayal of violence as the preferred, acceptable, or only way to resolve conflict; nor encourages children to imitate dangerous acts which they may see on the screen.
G	General: Considered acceptable for all age groups. Appropriate viewing for the entire family, contains very little violence, physical, verbal or emotional.
Age-Base PG	Parental Guidance: Intended for a general audience, but may not be suitable for younger children (under the age of eight) because it could contain controversial themes or issues.
14+	Over 14 Years: Could contain themes where violence is one of the dominant elements of the storyline, but it must be integral to the development of plot or character. Language usage could be profane and nudity present within the context of the theme.
18+	Adults: Intended for viewers 18 years and older and might contain depictions of violence, which while related to the development of plot, character or themes, are intended for adult viewing. Could contain graphic language and portrayals of sex and nudity.

Canadian French ratings

Rating	Description
E	Exempt programming
G	General: All ages and children, contains minimal direct violence, but may be integrated into the plot in a humorous or unrealistic manner.
8ans+	General but inadvisable for young children: May be viewed by a wide public audience, but could contain scenes disturbing to children under eight who cannot distinguish between imaginary and real situations. Recommended for viewing with parent.
Age-Base	
13ans+	Over 13 years: Could contain scenes of frequent violent scenes and therefore recommended for viewing with parent.
16ans+	Over 16 years: Could contain frequent violent scenes and intense violence.
18ans+	Over 18 years: Only for adult viewing. Could contain frequent violent scenes and extreme violence.

Setting Canadian English ratings

- 1 Press HOME MENU.
- 2 Select "Tuner Setup" (↑/↓ then ENTER).
- 3 Select "Parental Control" (←/→ then ENTER).
- 4 Select "Canadian English Ratings" (↑/↓ then ENTER).
- 5 Select the desired rating and change the setting (↑/↓ then ENTER).



- The password entry screen appears. Enter your four-digit password using buttons 0 to 9.
- Each time you press ENTER, the setting is switched.
- A lock icon appears beside the blocked rating.
- All the ratings have been unblocked before shipment.

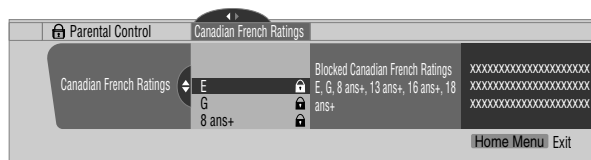
- 6 Press HOME MENU to exit the menu.

Note

- Blocking a rating causes more severe ratings to be automatically blocked as well. Likewise, unblocking a rating causes less severe ratings to be automatically unblocked.

Setting Canadian French ratings

- 1 Press HOME MENU.
- 2 Select "Tuner Setup" (↑/↓ then ENTER).
- 3 Select "Parental Control" (←/→ then ENTER).
- 4 Select "Canadian French Ratings" (↑/↓ then ENTER).
- 5 Select the desired rating and change the setting (↑/↓ then ENTER).



- The password entry screen appears. Enter your four-digit password using buttons 0 to 9.
- Each time you press ENTER, the setting is switched.
- A lock icon appears beside the blocked rating.
- All the ratings have been unblocked before shipment.

- 6 Press HOME MENU to exit the menu.

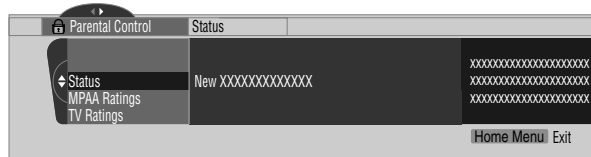
Note

- Blocking a rating causes more severe ratings to be automatically blocked as well. Likewise, unblocking a rating causes less severe ratings to be automatically unblocked.

Setting new ratings

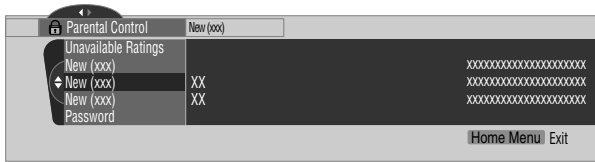
Digital broadcasts are now carrying new ratings that are not compatible with the plasma display's original Parental Control settings. When you first tune in one of these broadcasts, a New Parental Control menu appears on the screen. This tells you that you must now change your Parental Control settings to handle these new ratings. Otherwise, ratings you had previously blocked may become unblocked.

- 1 Press HOME MENU.
- 2 Select "Tuner Setup" (↑/↓ then ENTER).
- 3 Select "Parental Control" (←/→ then ENTER).



- The new menu is displayed when Status is selected and the message "Regional ratings have changed. Set Parental Control ratings again." appears on the right of the screen.

- Select the desired rating and change the setting (▲/▼ then ENTER).



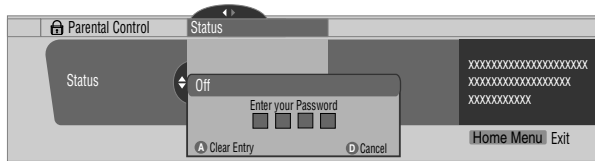
- The menu is added between “Unavailable Ratings” and “Password”.
- The password entry screen appears. Enter your four-digit password using buttons **0** to **9**.
- Each time you press **ENTER**, the setting is switched.
- A lock icon appears beside the blocked rating.
- When you are finished, the word “New” disappears from the Parental Control menu.

- Press **HOME MENU** to exit the menu.

Deleting new ratings

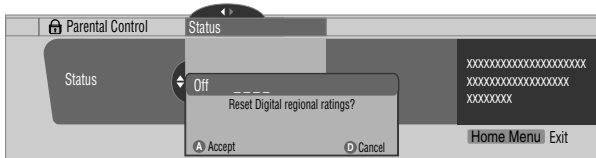
You can delete a New Parental Control menu. When deleted, the past blocking settings you had entered are also cleared and removed from the menu.

- Press **HOME MENU**.
- Select “Tuner Setup” (▲/▼ then ENTER).
- Select “Parental Control” (◀/▶ then ENTER).
- Select “Status” and then “Off” (▲/▼ then ENTER).



- The password entry screen appears. Enter your four-digit password using buttons **0** to **9**.

- Select **A** for “Accept” or **D** for “Cancel”.



- The New Parental Control menu remains, however, when the selection screen for deleting new ratings disappears in approximately 60 seconds after no settings are entered.

- Press **HOME MENU** to exit the menu.

Note

- While the Parental Control menu is opened, the status display remains unchanged even if the system had received broadcasts carrying new ratings.
- Blocking a rating causes more severe ratings to be automatically blocked as well. Likewise, unblocking a rating causes less severe ratings to be automatically unblocked.

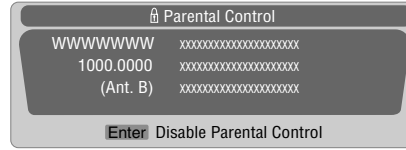
Temporarily deactivating the Parental Control

When the Parental Control is working and senses a blocked TV program (or content), the plasma display shows nothing but a message.

The method for temporarily deactivating the Parental Control differs, depending on the currently selected input source.

Antenna A or antenna B:

The following screen appears. Press **ENTER**.



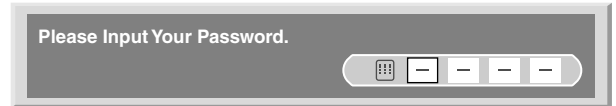
Enter your four-digit password.



- The password entry screen stays only for one minute. After the screen disappears, pressing **ENTER** causes it to appear again.

INPUT 1 to INPUT 3:

Enter your four-digit password. You need not press **ENTER** first; pressing **ENTER** causes the password entry screen to disappear.

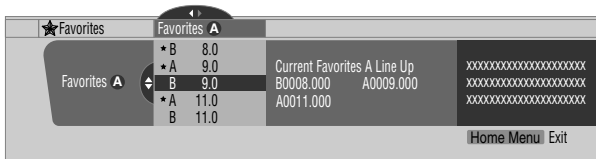


- The above password entry screen will also be shown during 2-screen, picture-in-picture, and while freezing an image.
- The password entry screen stays only for one minute. After the screen disappears, pressing **ENTER** causes it to appear again.
- A password entry screen is displayed if you select “Block” in “Unavailable Ratings” for INPUT 4 to INPUT 7.

Setting your favorite channels

Set up to 10 TV channels to each of the four color buttons on the remote control unit (40 channels in total). You can then quickly select from only your favorite channels.

- 1 Press HOME MENU.
- 2 Select "Tuner Setup" (↑/↓ then ENTER).
- 3 Select "Favorites" (←/→ then ENTER).
- 4 Select a color button (A, B, C, D) (↑/↓ then ENTER).
- 5 Select a TV channel to be registered (↑/↓ then ENTER).



- A star appears beside the favorite channels currently selected.
- To register another TV channel under the same color button, repeat step 5. To register another TV channel under a different color button, repeat steps 4 and 5.

- 6 Press HOME MENU to exit the menu.

Setting up closed captions

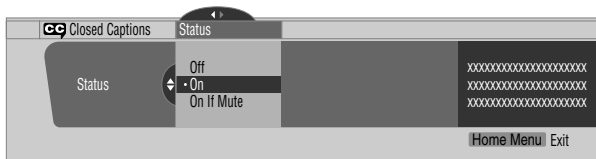
Your plasma display is equipped with an internal closed caption decoder. Closed caption allows you to view conversations, narration, and sound effects in TV programs and home videos as subtitles on your plasma display screen.

You may enjoy digital closed captions when watching digital TV programs. Digital closed captions allow you to change parameters such as fonts and colors.

- Not all programs and videos offer closed caption. Please look for the "CC" symbol to ensure that captions will be shown.
- No Closed Caption setting is available for any content played or displayed in the Home Media Gallery.

Activating the closed caption

- 1 Press HOME MENU.
- 2 Select "Tuner Setup" (↑/↓ then ENTER).
- 3 Select "Closed Captions" (←/→ then ENTER).
- 4 Select "Status" (↑/↓ then ENTER).
- 5 Select "On" or "On If Mute" (↑/↓ then ENTER).



Item	Description
Off (default)	Does not show closed captions
On	Always shows closed captions
On If Mute	Shows closed captions only while sound is being muted

- 6 Press HOME MENU to exit the menu.

Selecting the type of conventional closed captions

Select the type of conventional closed captions that you will watch after tuning to a conventional TV channel. This selection also becomes effective when a selected digital TV program provides only conventional closed captions.

- "CC 1", "CC 2", "CC 3", or "CC 4" displays subtitles of TV dramas and news programs while allowing a full view of the picture.
- "Text 1", "Text 2", "Text 3", or "Text 4" superimposes on the picture other information (e.g. TV guide, weather) that is independent of the TV program in progress.

- 1 Press HOME MENU.
- 2 Select "Tuner Setup" (↑/↓ then ENTER).
- 3 Select "Closed Captions" (←/→ then ENTER).
- 4 Select "Analog Settings" (↑/↓ then ENTER).
- 5 Select the desired closed caption (↑/↓ then ENTER).



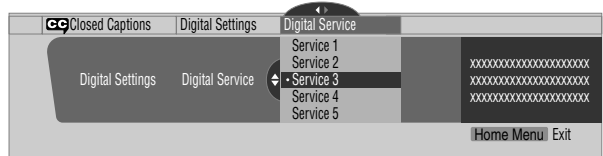
- The factory default is "CC 1".

- 6 Press HOME MENU to exit the menu.

Selecting digital closed captions

Use the following procedure to select digital closed captions: Service 1 to 6.

- 1 Press HOME MENU.
- 2 Select "Tuner Setup" (↑/↓ then ENTER).
- 3 Select "Closed Captions" (←/→ then ENTER).
- 4 Select "Digital Settings" (↑/↓ then ENTER).
- 5 Select "Digital Service" (↑/↓ then ENTER).
- 6 Select the desired closed caption (↑/↓ then ENTER).



- The factory default is "Service 1".

7 Press HOME MENU to exit the menu.

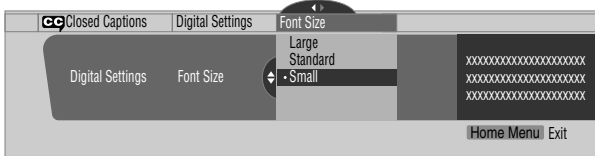
Note

- The Primary Caption Service is usually offered for Service 1, and the Secondary Language Service is usually offered for Service 2 if these services are available.

Selecting digital closed caption parameters

Use the following procedure to change such parameters of digital closed captions as font size, font type, foreground and background colors.

- 1 Press HOME MENU.
- 2 Select "Tuner Setup" (↑/↓ then ENTER).
- 3 Select "Closed Captions" (←/→ then ENTER).
- 4 Select "Digital Settings" (↑/↓ then ENTER).
- 5 Select "Font Size", "Font", or any other item (↑/↓ then ENTER).
- 6 Select the desired parameter (↑/↓ then ENTER).



- 7 Repeat steps 5 and 6 as necessary (←, ↑/↓).
- 8 Press HOME MENU to exit the menu.

The following table shows the parameters selectable for each item.

Item	Selection
Font Size	Auto / Large/ Standard/ Small
Font ¹	Auto / Font 1/ Font 2/ Font 3/ Font 4/ Font 5/ Font 6/ Font 7
Font Color	Auto / Black/ White/ Red/ Green/ Blue/ Yellow/ Magenta/ Cyan
Font Opacity	Auto / Solid/ Transparent/ Translucent/Flashing
Background Color	Auto / Black/ White/ Red/ Green/ Blue/ Yellow/ Magenta/ Cyan
Background Opacity	Auto / Solid/ Transparent/ Translucent

¹ Font 1 (monospaced with serifs)/ Font 2 (proportionally spaced with serifs)/ Font 3 (monospaced without serifs)/ Font 4 (proportionally spaced without serifs)/ Font 5 (casual font)/ Font 6 (cursive font)/ Font 7 (small capitals font)

With "Auto" selected, parameters specified by the provider are used; if not specified by the provider, the bolded default parameters are used. If you select parameters other than "Auto", the selected parameters are used regardless of the provider's specifications.

Clock Setting

With "Auto Set" selected for Clock Setting, the system acquires and sets time information automatically. You can also manually set the correct time. If you disconnect the power cord from the power outlet or power blackout occurs, the set time is cleared.

- 1 Press HOME MENU.
- 2 Select "Tuner Setup" (↑/↓ then ENTER).
- 3 Select "Clock" (←/→ then ENTER).
- 4 Select "Time Zone" (↑/↓ then ENTER).
- 5 Select a time zone for your area (↑/↓ then ENTER).

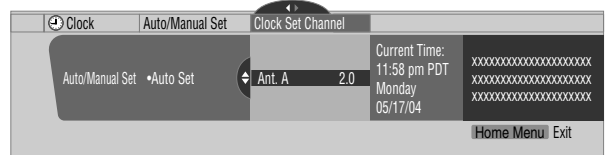


- 6 Select "D.S.T." (←, ↑/↓, then ENTER).
- 7 Select "Applies" or "Does Not Apply" (↑/↓ then ENTER).

- When you start "Daylight Savings Time" mode, select "Applies" for "D.S.T." and select "Does Not Apply" when you cancel it, otherwise the correct time will not be displayed regardless of the "Auto/Manual Set" setting.

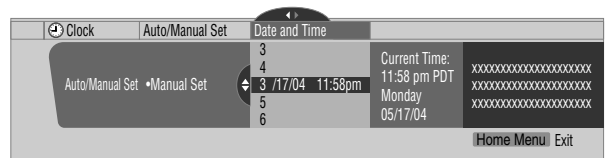


- 8 Select "Auto/Manual Set" (←, ↑/↓, then ENTER).
- 9 Select "Auto Set" or "Manual Set" (↑/↓ then ENTER).
- 10 If you select "Auto Set", select an antenna (A or B) and a channel number using ↑/↓ and ENTER.



- The date and time will be automatically corrected using data from the selected channel.

If you select "Manual Set", manually set the date and time using ↑/↓, ←/→ and ENTER.



- 11 Press HOME MENU to exit the menu.

Note

- If you setup the TV Guide On Screen™ system, the plasma display acquires clock information through the TV Guide On Screen™ system; in this situation you cannot set up the clock using the menu. If you select a parameter for the Clock menu and press ENTER, the menu screen disappears and a dialog box appears instead; press A to clear the dialog box.

Chapter 10

TV Guide On Screen™ System Operation

Using the TV Guide On Screen™ system

Before you can start using the TV Guide On Screen™ system, you'll need to set it up. If you haven't already done this, please turn to "TV Guide On Screen™ System Setup" on page 32 before proceeding.

Legal Notices

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 Note

- The TV Guide On Screen™ interactive program guide provides listings for cable-ready and digital cable services as well as over-the-air broadcast. It does not provide listings for satellite services.
- Once you set up the TV Guide On Screen™ system it may take up to 24 hours to begin to receive TV program listings. Receipt of all eight days of listings may take up to one week.
- TV Guide may not be available in all areas. As content providers move to digital programming and broadcasting, TV Guide data may be unavailable or become unavailable.

Screen components

Many of the screens have common elements to make using the system easier.



- 1 TV GUIDE logo**
- 2 Clock** – Shows the current time.
- 3 Time slot** – Half-hour time slots are displayed horizontally.
- 4 Time tab** – Indicates the currently selected time slot.
- 5 Current service label** – Indicates the currently selected service.
- 6 Service bar** – Gives access to the various services of the Guide.
- 7 Info Bar** – Shows various icons to convey information or show the status of an item.
- 8 Title tile** – Shows the title of the TV program.
- 9 Video window** – Allows you to continue watching the current program while using the Guide or to view the program selected in the listings.
- 10 Panel ads and panel menu entry** – Space for show or product advertising (and the panel menu).













11 Channel logo & number – Identifies network and channel number

12 Info Box – Shows information about the highlighted item.

13 Highlight – Indicates an active file, from which you can set reminder, display a menu, etc.

TV Guide On Screen™ icons

Various icons are used to convey information or show the status of an item. You will locate these icons on the Info Bar, inside the Info Box, or beside program titles.

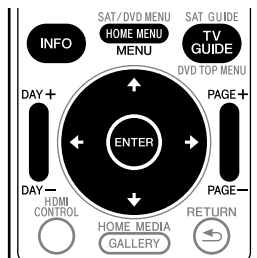
-  **Info icon** – Additional information is available; press the **INFO** button to display.
-  **Progress Bar** – Shows the elapsed time of the current program.
-  **HDTV** – Indicates that a program is a high-definition broadcast.
-  **New** – The program is new (not a repeat).
-  **Stereo** – The program is broadcast in stereo.
-  **CC** – The program is broadcast with closed captioning.
-  **TV 14** **TV Rating** – Indicates the age rating for the program.
-  **Remind Once** – One-time only reminder
-  **Remind Daily** – Reminds for the same channel and time every Monday through Friday (manual reminder only).
-  **Remind Regularly** – Reminds the same program any day it airs on the same channel at the same time.
-  **Remind Weekly** – Reminds every week at the same time/day.
-  **Remind Off** – The program remains in the SCHEDULE list, but will not remind until the frequency is changed to one of the above.

TV Guide On Screen™ navigation

The table below shows a summary of the remote buttons you'll use to navigate the TV Guide On Screen™ system.

Key	What it does
TV GUIDE	Press to display the TV Guide On Screen™ system (also use to exit)
↑/↓/←/→	Use to navigate screens (highlight an item)
ENTER	Press to confirm a selection or execute an action. Can also be used to display the panel menu when a future program is highlighted.
MENU	Press to display a panel menu
INFO	Press to cycle through the available information for the current program or screen
Number buttons	Use for numeric entry
PAGE +/-	Press to select the previous/next page of information (where applicable)
DAY +/-	Press to jump to the next/previous day of program listings (if applicable)

You can also use the **TV GUIDE**, **ENTER**, **UP/DOWN**, and **LEFT/RIGHT** buttons on the plasma display. The **UP/DOWN** and **LEFT/RIGHT** buttons operate the same as the **↑/↓** and **←/→** buttons on the remote control unit.



The Listings screen

You can consider the Listings screen as the “home” screen of the TV Guide On Screen™ system. This is the screen you see when you press **TV GUIDE**.

From the Listings screen you can:

- View eight days of program listings.
- Display information about individual programs.
- Select a program to start watching.
- Set a program to remind.
- See a thumbnail display of any channel in the video window.
- Access panel and channel ads.

1 Press TV GUIDE to display the Listings screen.



- With “LISTINGS” highlighted in the Service bar at the top of the screen, press **INFO** to display (and then close) Help information.
- Press **TV GUIDE** anytime to exit.

2 Press ↑/↓/←/→ to navigate the Listings screen.

- With a currently showing program highlighted, press **ENTER** to start watching.
- Move right for later time slots.
- Press **PAGE+/-** to scroll one vertical screen at a time.
- Press **INFO** to display additional information (if available) about the currently selected program.
- Press **DAY+/-** to jump to the next/previous day in the listings grid.

Setting program reminders

By setting a program reminder you can have the TV alert you when a program is about to start on another channel. You can set reminders for individual episodes of a program, or every time a program airs.

1 From LISTINGS, SCHEDULE or SEARCH, highlight the program for which you want to set a reminder.



2 Press MENU to display the Episode Options menu.



3 Highlight “set reminder” and press ENTER.

4 Set the reminder options:

Press **↑/↓** to highlight a field; press **←/→** to change the setting.

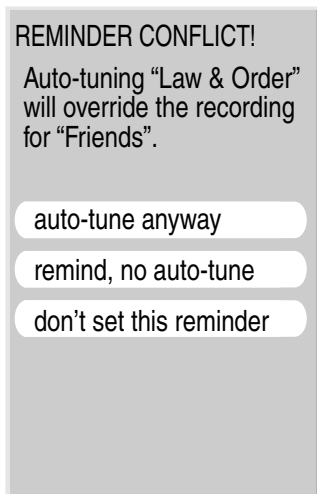
- **frequency** – select whether to be reminded just **Once**, **Regularly** (at the same time on the same channel), or **Weekly** (every week at the same time/day). There’s also an **Off** option which puts the program in the reminder schedule but no reminder is given (you can set it to remind later).
- **auto tune** – choose whether or not the TV should automatically change channels when a reminder is due.
- **when** – set when the reminder is displayed (before, on time, or after a program has started).

5 Once all the settings have been made, press ENTER to highlight “schedule reminder”, then press ENTER again.



- The reminder is now set (and will appear in SCHEDULE) and the appropriate icon appears on the program tile.

If there is a time conflict with a previously scheduled auto-tune reminder, you will be alerted to this. You can select to set a reminder for the conflicting program, or cancel the reminder. The following screens appear depending on whether it will override a scheduled reminder.



When scheduled reminder is due (auto-tune is OFF)

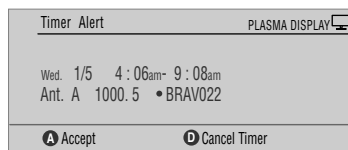
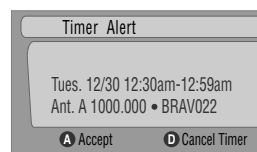
Depending on the settings you made, your program reminder will appear on your TV screen around the time the program is scheduled to start. This happens when you have selected “NO” for the auto tune. The reminder will remain on-screen for three minutes before it automatically disappears.

Press **ENTER** to tune to the highlighted program in the reminder; or highlight “hide reminders” to dismiss the reminder.



If more than one reminder is set for the same time, select the program you want by pressing **↑/↓**.

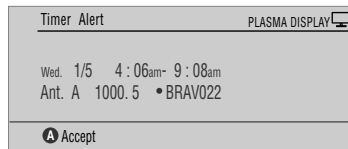
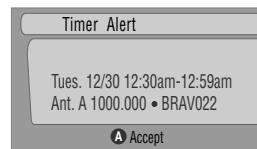
Depending on the situation, the following screens will appear. In this case, the reminder will remain on-screen for 15 seconds before it automatically disappears.



Press **A** to leave the reminder effective, or **D** to dismiss the reminder.

When scheduled reminder is due (auto-tune is ON)

If the “auto-tune” setting was set to “yes” in the Remind Options, one of the following screens appears, depending on the situation. The screen will remain for 15 seconds before it automatically disappears.



Press **A** to make the Timer Alert screen disappear.

Searching for programs

The Search screen lets you search for programs alphabetically, by category or by keyword. You can also search for HDTV programs.

Searching by category

Here you can search for programs by category, and then by a further sub-category if you want.

- 1 Select "SEARCH" from the Service bar at the top of the screen.
- 2 Press **↓** to move to the search category bar, then press **←/→** to select a search category.



- Available categories may include:

- Movies
- Sports
- Children
- Educational
- News
- Variety
- Series
- HDTV

- 3 Press **↓** to move to the search sub-categories and select the sub-category you want.



- The sub-categories available depend on the category you chose in the last step.

- 4 Press **ENTER** to display a listing of upcoming programs that match the categories you chose.



- 5 Highlight a program listing and press **MENU** to display the Episode Options panel menu.



- If the program listing is a program now being broadcast you can press **ENTER** to start watching it immediately.

Searching by keyword

Here you search for shows based on keywords you enter. The keywords you create are stored so you can use them again in the future.

- 1 Select "SEARCH" from the Service bar at the top of the screen.
- 2 Press **↓** to move to the search category bar, then press **←/→** to select "KEYWORD".



- If you already entered any keywords, they are displayed. Just select one if you want to search for it again.
- To edit or delete one of the displayed keywords, highlight it and then press **MENU**. From the panel menu you can choose "edit search" or "delete search".

- 3 Press **ENTER** to display the Keyword Search menu.



- 4 Select "new search".
- 5 If you want to change the category, move up and select the category you want.
 - To search using only the keyword, leave the category set to "All".
 - If you select a category ("HDTV", for example) then you'll only see programs in that category that also match the keyword.
- 6 Highlight "enter keyword" and press **ENTER**.
- 7 Input the keyword for the search.



- Highlight characters by pressing **↑/↓/←/→**, then pressing **ENTER** to input them.
- The keyword you input is stored so that you can use it again whenever you need it.

- 8 Select "DONE" to start the search.
- 9 Highlight a program listing, then press **MENU** to display the Episode Options panel menu.



- If the program listing is a program now being broadcast you can press **ENTER** to start watching it immediately.

Alphabetical search

This search is designed to display all programs that start with a particular letter.

- 1 Select "SEARCH" from the Service bar at the top of the screen.
- 2 Press **↓** to move to the search category bar, then press **←/→** to select "ALPHABETICAL".



- 3 Press **ENTER**.
- 4 Select a letter, then press **ENTER** to display all programs starting with that letter.
- 5 Highlight a program listing and press **MENU** to display the Episode Options panel menu.



- If the program listing is a program now being broadcast you can press **ENTER** to start watching it immediately.

The search Episode Options menu

From the Episode Options menu you can select:

- **go to Service bar** – closes the panel menu and returns to the Service bar at the top of the screen.
- **tune to channel / watch now** – exits the TV Guide On Screen™ guide and tunes to the channel.
- **set reminder** – goes to the Remind Options menu.
- **cancel** – closes the panel menu and returns to the highlighted program listing.

Navigation and search tips

- The **↑/↓** buttons move the highlight between options in the panel menu. Use the number buttons to input information.
- If a highlighted field has arrows on either side, press **←/→** to cycle through the options.
- Press **ENTER** on any option to highlight the default command (e.g., **Done**), then press **ENTER** again to execute and close the panel menu.
- Select **Cancel** and press **ENTER** to close the panel menu and return to the previous screen, or press **MENU** to cancel any changes and close the menu.

Scheduling reminders

From the Schedule area you can review, edit or delete reminders.

- 1 Select **"SCHEDULE"** from the Service bar at the top of the screen.



A list of programs that have remind events scheduled appears. The icons on the right side indicate the status of the events.

- **Once** only reminder
- **Daily** Reminds for the same channel and time every Monday through Friday (manual reminder only)
- **Regularly** – Reminds the same program any day it airs on the same channel at the same time¹.
- **Weekly** reminder (every week at the same time/day)
- **Off**: The program remains in the SCHEDULE list, but will not remind until the frequency is changed to one of the above.

¹ The reminder will still appear if the program starts any time up to the midway point of the original schedule. For example, up to 9:15 for a 9:00 to 9:30 program.

- 2 Highlight a program in the list and press **MENU** to display the Schedule Options panel menu.



- When you highlight a program in the list you'll see information related to that program appear in the Info Box.

Using the reminder To Do list

The To Do screen lists scheduled events with an icon that identifies the event type. From the To Do screen you can review, edit, or delete reminder events that you previously set. You can sort the scheduled events by date, title, or event type. You can also schedule a manual reminder.

The Schedule Options menu

The Schedule Options menu is accessible by pressing **MENU** when either "SCHEDULE" is highlighted in the Service bar, or a program is highlighted.

When "SCHEDULE" is highlighted in the service bar:

- **go to Service Bar** – closes the panel menu and returns to the Service bar at the top of the screen.
- **sort by** – select a sort order for the program listings.
- **new manual reminder** – select and then fill in all the necessary fields to set the reminder. Select "schedule reminder" when you're done to save and exit, or select "cancel" to exit without saving.
- **done** – closes the panel menu and returns to the Service bar at the top of the screen.
- **cancel** – closes the panel menu without saving any changes and returns to the Service bar at the top of the screen.

When a program is highlighted:

- **go to Service Bar** – closes the panel menu and returns to the Service bar at the top of the screen.
- **watch now** – start watching the selected program (this option is "tune to channel" for a program that isn't showing now).
- **cancel** – closes the panel menu and returns to the highlighted program listing.

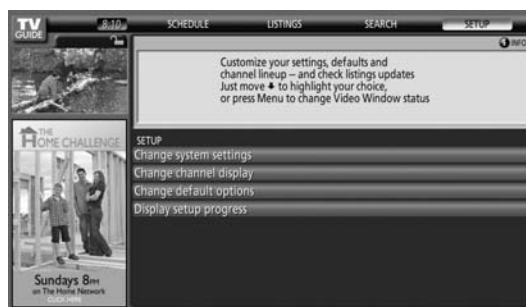
For reminder:

- **delete reminder** – remove the reminder from the schedule (requires confirmation).
- **edit reminder** – edit the reminder settings (opens the Remind Options menu).

Changing setup options

You can change TV Guide On Screen™ settings from the Setup menu. Setup options are divided into three categories: system settings, channel display, default options, and display setup progress.

- 1 Select "SETUP" from the Service bar at the top of the screen.



Changing the system settings

The system settings include your ZIP/postal code and your cable TV setup.

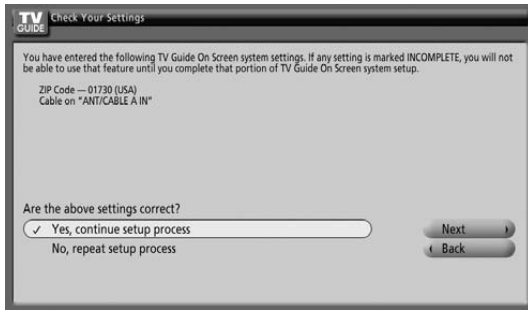
- 1 Highlight the "Change system settings" item.



As you highlight an option you can see the settings you can adjust in that area:

- **System settings** – ZIP/postal code, cable setup, etc.
- **Channel display** – Channel position, tuning channel, display on/off, etc.
- **Default options** – General and reminder defaults
- **Display setup progress** – Status of various Guide setup functions

- 2 Press ENTER to display the current settings and the options to change them.



- 3 Select one of the options, then follow the on-screen instructions.

- Yes, everything is correct: displays a helpful information screen. Press ENTER to quit the TV Guide On Screen™.
- Yes, but my channel lineup is incorrect: displays a screen from which you may choose the correct channel lineup. Press ENTER to display the Channel Editor screen.
- No, repeat setup process: displays Screen 1 shown on page 33.

Changing the channel display settings

From the channel display settings you can set/change:

- the display setting to always display (On), never display (Off), or display only when channel information is available (Auto Hide).
- the tuned channel number.
- the channel position in the channel listing.

- 1 Highlight the “Change channel display” item.



- 2 Press ENTER to display the channel editor.



- 3 Press ↑/↓ to highlight a channel then press ENTER to go to the Grid Options menu.



From the Grid Options menu you can set:

- **channel** – On (display in channel list), Off (don't display) or Auto Hide (hide when no program information is available)
- **tune channel** – the channel number that the channel listing is tuned to
- **position** – place that the channel appears in the channel list
- **Re-sort numerically** to change the channel order in the Listings service (and Channel Editor) to numeric
- **Undo all changes** to reset all the Channel Editor options (and Listings display) to their original (factory) settings

- 4 When you've made all the settings you want for the channel, highlight “done” then press ENTER.

- To cancel without saving any of the changes you made, select “cancel”.

Changing the default options

This is the place to change the default settings for reminders and other general settings.

1 Select the “Change default options” item.



2 Select one of the two default option categories.

A different panel menu appears for each option:

General default options

- **Info Box size upon entering the Guide**
 - Small
 - Large
 - No
 - Last used (default)
- **Info Box position**
 - Float
 - Top (default)
- **Video Window status**
 - Locked (default)
 - Unlocked
- **Channel ID in Listings**
 - Logo
 - Number
 - Both (default)
- **Auto guide (whether Guide appears automatically when the unit is powered On)**
 - On
 - Off (default)

Remind defaults

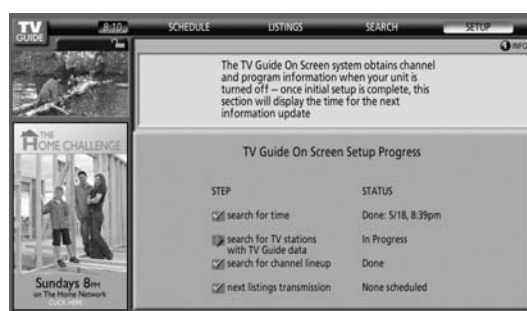
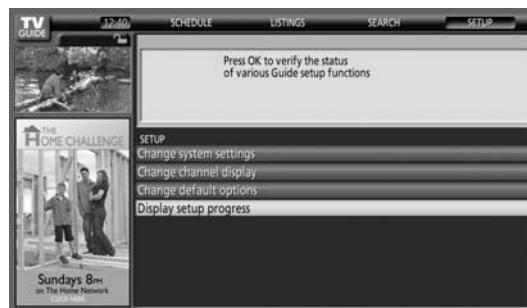
- **auto tune** – automatically tunes to the correct channel when a reminder becomes due (Yes or No)
- **when** – when to display the reminder (15 minutes early to 15 minutes late, or On time)

3 When you've made all the settings you want, highlight “done” then press ENTER.

- To cancel without saving any of the changes you made, select “cancel”.

Displaying setup progress

Display setup progress lets you verify the status of the various Guide setup functions. This screen also appears when you enter the Guide prior to receiving the complete channel lineup.



Chapter 11

Adjustments and Settings

AV Selection

Select from the seven viewing options, depending on the current environment (e.g., room brightness), the type of the current TV program, or the type of images input from external equipment.

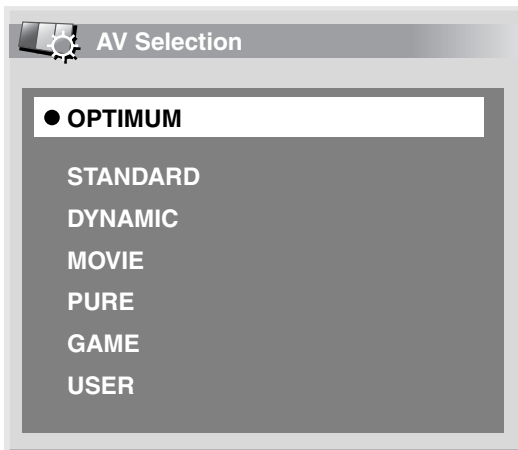
1 Press **AV SELECTION**.

- The current AV Selection mode appears.

2 Press **AV SELECTION** again before the displayed mode disappears.

- For AV source, the mode is switched in this order; OPTIMUM, STANDARD, DYNAMIC, MOVIE, PURE, GAME, then USER.
- For PC source, the mode is switched between STANDARD and USER.

You can also use the menu to change the options.

1 Press **HOME MENU**.2 Select **"Picture"** (▲/▼ then **ENTER**).3 Select **"AV Selection"** (▲/▼ then **ENTER**).4 Select the desired option (▲/▼ then **ENTER**).

For AV source

Item	Description
OPTIMUM	Automatically adjusts the brightness of the image to the optimum level in accordance with the brightness level of the viewing area. This selection is shared by the external input and TV input sources.
STANDARD	For a highly defined image in a normally bright room. This selection is shared by the external input and TV input sources.
DYNAMIC	For a very sharp image with maximum contrast. This mode does not allow manual image quality adjustment. This selection is shared by the external input and TV input sources.

Item	Description
MOVIE	For movies. This selection is shared by the external input and TV input sources.
PURE	Reflects input signals as faithfully as possible. For example, you may select this option to check image materials.
GAME	Lowers image brightness for easier viewing. This selection is shared by the external input and TV input sources.
USER	Allows you to customize settings as desired. You can set the mode for each input source.

For PC source

Item	Description
STANDARD	For a highly defined image in a normally bright room
USER	Allows you to customize settings as desired. You can set the mode for each input source.

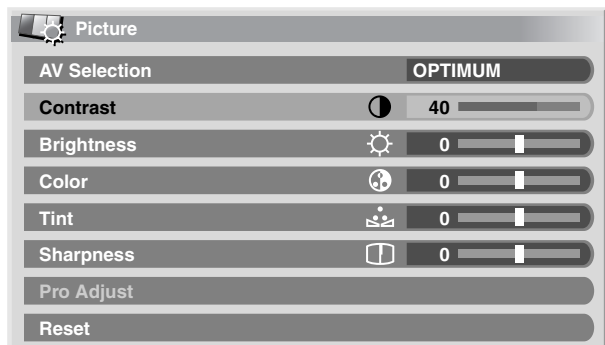
5 Press **HOME MENU** to exit the menu.
 **Note**

- You can also press **AV SELECTION** on the remote control unit to switch the viewing option.
- If you have selected "DYNAMIC", you cannot select "Contrast", "Brightness", "Color", "Tint", "Sharpness", "Pro Adjust" and "Reset"; these menu items are dimmed.
- If you have selected "OPTIMUM", you cannot select "Pro Adjust"; menu items in "Pro Adjust" are dimmed.
- To prevent the screen from damage, you can freely change the AV selection mode while enjoying the Home Media Gallery function. However, when you resume the Home Media Gallery after having quit it, "STANDARD" is automatically selected for the AV source.
- While enjoying the Home Media Gallery, you can freely change the AV selection mode, but you cannot select "USER".
- As the OPTIMUM function automatically optimizes image quality, the process in which image settings such as brightness and tint gradually change may be seen on the screen. This is not a malfunction.
- When "OPTIMUM" is selected, images are reproduced based on the information collected at the Room Light Sensor as well, regardless of its setting ("On" or "Off") for the "Option" menu.

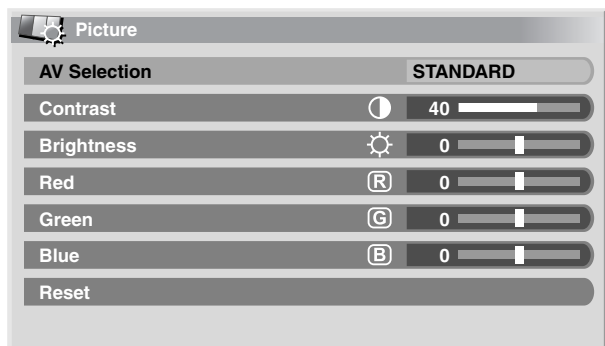
Basic picture adjustments

Adjust the picture to your preference for the chosen AV Selection option (except DYNAMIC).

- 1 Press **HOME MENU**.
- 2 Select "Picture" (▲/▼ then **ENTER**).
- 3 Select an item to be adjusted (▲/▼ then **ENTER**).



For PC source, the following screen appears:



- 4 Select the desired level (◀/▶).



- When an adjustment screen is displayed, you can also change the item to be adjusted, by pressing ▲/▼.

- 5 Press **HOME MENU** to exit the menu.

For AV source

Item	◀ button	▶ button
Contrast	For less contrast	For more contrast
Brightness	For less brightness	For more brightness
Color	For less color intensity	For more color intensity
Tint	Skin tones become purplish	Skin tones become greenish
Sharpness	For less sharpness	For more sharpness

For PC source

Item	◀ button	▶ button
Contrast	For less contrast	For more contrast
Brightness	For less brightness	For more brightness
Red	For weaker red	For stronger red
Green	For weaker green	For stronger green
Blue	For weaker blue	For stronger blue



Note

- To perform advanced picture adjustments, select "Pro Adjust" in step 3 and then press **ENTER**. For the subsequent procedures see *Advanced picture adjustments* on page 55.
- To restore the factory defaults for all items, press ▲/▼ to select "Reset" in step 3, and then press **ENTER**. A confirmation screen appears. Press ◀/▶ to select "Yes", and then press **ENTER**.
- Some functions, such as OPTIMUM, Room Light Sensor and Intelligent Mode, are temporarily turned off when the "Picture" menu is displayed. This may cause the screen brightness to suddenly change as you open the menu.
- You may experience a sudden change in the image position and screen brightness when you open the "Picture" menu.

Advanced picture adjustments

The plasma display provides various advanced functions for optimizing the picture quality. For details on these functions, see the tables.

Using PureCinema

- 1 Press HOME MENU.
- 2 Select "Picture" (▲/▼ then ENTER).
- 3 Select "Pro Adjust" (▲/▼ then ENTER).
- 4 Select "PureCinema" (▲/▼ then ENTER).
- 5 Select "Film Mode" or "Text Optimization" (▲/▼ then ENTER).
- 6 Select the desired parameter (▲/▼ then ENTER).
 - For the selectable parameters, see the table.

PureCinema

Automatically detects a film-based source (originally encoded at 24 frames/second), analyzes it, then recreates each still film frame for high-definition picture quality

Film Mode	Off	Deactivates the PureCinema
	Standard	Produces smooth and vivid moving images (film specific) by automatically detecting recorded image information when displaying DVD or high-definition images (e.g., movies) having 24 frames per second
	Smooth	Produces smoother and more vivid moving images
	Advance	Produces smooth and quality moving images (as shown on theatre screens) by converting to 72 Hz when displaying DVD images (e.g., movies) having 24 frames per second
Text Optimization	Off	Deactivates Text Optimization
	On	Improves subtitle display quality

- 7 Press HOME MENU to exit the menu.

Note

- "Standard" is not selectable for the following input signals: 480p, 720p@60 Hz, 1080p@60 Hz.
- "Smooth" is not selectable for the following input signals: 1080p@60 Hz.
- "Advance" is not selectable for the following input signals: 1080p@60 Hz.
- When you select "On" for "Game Control Pref" on the "Option" menu, the "PureCinema" setting is disabled.

Using Intelligent Mode

- 1 Press HOME MENU.
- 2 Select "Picture" (▲/▼ then ENTER).
- 3 Select "Pro Adjust" (▲/▼ then ENTER).
- 4 Select "Intelligent Mode" (▲/▼ then ENTER).
- 5 Select the desired parameter (▲/▼ then ENTER).

Intelligent Mode

Performs such compensation that results in the optimum color tones and brightness for images

Selections	Off	Deactivates Intelligent Mode
	On	Activates Intelligent Mode

- 6 Press HOME MENU to exit the menu.

Note

- As this function automatically optimizes image quality, the process in which image settings such as brightness and tint gradually change may be seen on the screen. This is not a malfunction.

Using the Picture Detail

- 1 Press HOME MENU.
- 2 Select "Picture" (▲/▼ then ENTER).
- 3 Select "Pro Adjust" (▲/▼ then ENTER).
- 4 Select "Picture Detail" (▲/▼ then ENTER).
- 5 Select an item to be adjusted (▲/▼ then ENTER).
 - You can select "DRE Picture", "Black Level", "ACL", "Enhancer Mode" or "Gamma".
- 6 Select the desired parameter (▲/▼ then ENTER).

DRE Picture

Emphasizes the contrast on images so that the difference between brightness and darkness becomes more distinct

Selections	Off	Deactivates DRE Picture
	High	Enhanced DRE Picture
	Mid	Standard DRE Picture
	Low	Moderate DRE Picture

Black Level

Emphasizes dark portion on images so that the difference between brightness and darkness becomes more distinct

Selections	Off	Deactivates Black Level
	On	Activates Black Level

ACL

Performs such compensation that results in the optimum contrast characteristics for images

Selections	Off	Deactivates ACL
	On	Activates ACL

Enhancer Mode

Selects processing of the image's high frequency (detailed) areas

Selections	1	Selects Hard (SHARPNESS) image
	2	Selects Natural (SHARPNESS) image
	3	Selects Soft (SHARPNESS) image

Gamma

Adjusts the gamma characteristics (image gradation characteristics)

Selections	1	Selects gamma characteristics 1
	2	Selects gamma characteristics 2
	3	Selects gamma characteristics 3

7 Press HOME MENU to exit the menu.

Using Color Temp

- 1 Press HOME MENU.
- 2 Select "Picture" (▲/▼ then ENTER).
- 3 Select "Pro Adjust" (▲/▼ then ENTER).
- 4 Select "Color Detail" (▲/▼ then ENTER).
- 5 Select "Color Temp" (▲/▼ then ENTER).
- 6 Select the desired parameter (▲/▼ then ENTER).

Color Temp

Adjusts the color temperature, resulting in a better white balance

Selections	High	White with bluish tone
	Mid-High	Intermediate tone between High and Mid
	Mid	Natural tone
	Mid-Low	Intermediate tone between Mid and Low
	Low	White with reddish tone
	Manual	Color temperature adjusted to your preference

- You may rather want to perform fine adjustment. To do this, select "Manual" first and then press and hold ENTER for more than three seconds. The manual adjustment screen appears. Then go to step 7.

- 7 Select an item to be adjusted (▲/▼ then ENTER).
- 8 Select the desired level (◀/▶).

Item	◀ button	▶ button
R High Fine adjustment for bright portions	For weaker red	For stronger red
G High	For weaker green	For stronger green
B High	For weaker blue	For stronger blue
R Low	For weaker red	For stronger red
G Low Fine adjustment for dark portions	For weaker green	For stronger green
B Low	For weaker blue	For stronger blue

- To perform adjustment for another item, press RETURN, and then repeat steps 7 and 8.
- You may press ▲/▼ to immediately change an item to be adjusted.

9 Press HOME MENU to exit the menu.

Using CTI and Color Space

- 1 Press HOME MENU.
- 2 Select "Picture" (▲/▼ then ENTER).
- 3 Select "Pro Adjust" (▲/▼ then ENTER).
- 4 Select "Color Detail" (▲/▼ then ENTER).
- 5 Select "CTI" or "Color Space" (▲/▼ then ENTER).
- 6 Select the desired parameter (▲/▼ then ENTER).

CTI

Provides images with clearer color contours. The CTI stands for Color Transient Improvement.

Selections	Off	Deactivates CTI
	On	Activates CTI

Color Space

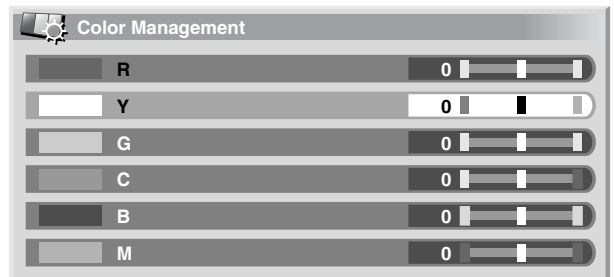
Changes color reproduction space

Selections	1	Optimized for vivid, vibrant color reproduction
	2	Standard color reproduction

7 Press HOME MENU to exit the menu.

Using Color Management

- 1 Press HOME MENU.
- 2 Select "Picture" (▲/▼ then ENTER).
- 3 Select "Pro Adjust" (▲/▼ then ENTER).
- 4 Select "Color Detail" (▲/▼ then ENTER).
- 5 Select "Color Management" (▲/▼ then ENTER).
- 6 Select an item to be adjusted (▲/▼ then ENTER).



7 Select the desired level (◀/▶).

Item	← button	→ button
R	Closer to magenta	Closer to yellow
Y	Closer to red	Closer to green
G	Closer to yellow	Closer to cyan
C	Closer to green	Closer to blue
B	Closer to cyan	Closer to magenta
M	Closer to blue	Closer to red

- To adjust another item, press **RETURN** then repeat steps 6 and 7.
- Press **↑/↓** to select another item for adjustment.

8 Press HOME MENU to exit the menu.

Eliminating noise from images

- 1 Press HOME MENU.
- 2 Select "Picture" (**↑/↓** then ENTER).
- 3 Select "Pro Adjust" (**↑/↓** then ENTER).
- 4 Select "Noise Reduction" (**↑/↓** then ENTER).
- 5 Select an item to be adjusted (**↑/↓** then ENTER).
 - You can select "3DNR", "Field NR", "Block NR" or "Mosquito NR".
- 6 Select the desired parameter (**↑/↓** then ENTER).

3DNR

Eliminates video noise for clean crisp images. 3DNR stands for 3-dimensional Noise Reduction.

Selections	Off	Deactivates 3DNR
	High	Enhanced 3DNR
	Mid	Standard 3DNR
	Low	Moderate 3DNR

Field NR

Removes glimmer for more natural images

Selections	Off	Deactivates Field NR
	High	Enhanced Field NR
	Mid	Standard Field NR
	Low	Moderate Field NR

Block NR

Helps reduce noise appearing in high-definition images

Selections	Off	Deactivates Block NR
	On	Activates Block NR

Mosquito NR

Reduces mosquito noise in DVD and high-definition images, resulting in noise-free images

Selections	Off	Deactivates Mosquito NR
	On	Activates Mosquito NR

7 Press HOME MENU to exit the menu.

Using the 3DYC and I-P Mode

- 1 Press HOME MENU.
- 2 Select "Picture" (**↑/↓** then ENTER).
- 3 Select "Pro Adjust" (**↑/↓** then ENTER).
- 4 Select "Others" (**↑/↓** then ENTER).
- 5 Select "3DYC" or "I-P Mode" (**↑/↓** then ENTER).
- 6 Select the desired parameter (**↑/↓** then ENTER).

3DYC

Optimizes characteristics for separating brightness signals and color signals. This works for both video and still images.

Selections	Off	Deactivates 3DYC
	High	Enhanced 3DYC
	Mid	Standard 3DYC
	Low	Moderate 3DYC

I-P Mode

Perform optimum conversion from interlace signals to progressive signals. This works for both video and still images.

Selections	1	Optimum for video images
	2	Standard setting
	3	Optimum for still images

7 Press HOME MENU to exit the menu.

Note

- The I-P Mode setting is disabled if you use an external input source and select "On" for "Game Control Pref" on the "Option" menu.
- For the I-P Mode, the individual parameters are not selectable for the following input signals: 480p, 720p, 1080p.
- The 3DYC setting is selectable when composite video or analog TV signals are received.

Comparing picture adjustments on the screen

During picture adjustments, you can quickly refer to the image previously set in the same parameter, allowing you to easily compare and select the preferred image quality.

- 1 Press **HOME MENU**.
- 2 Select "Picture" (▲/▼ then **ENTER**).
- 3 Select an item to be adjusted (▲/▼ then **ENTER**).
- 4 While performing adjustment, press **BLUE** on the remote control unit.

"Before" displays and the image adjusted last time appears for comparison.

Before

- 5 Press the button again to return to the newly adjusted image.

Each press of the button toggles between "Before" and "After".

- 6 Repeat steps 1 and 5 for other parameters.
- 7 Press **HOME MENU** to exit the menu.

Caution

- If you exit the menu by pressing **HOME MENU** or no operation is performed for 60 seconds, all the parameter settings displayed last are stored in memory.
- If you want to exit the menu without performing the adjustments (or leaving the settings disabled) on the "After" screen, switch to "Before" and then exit.

Note

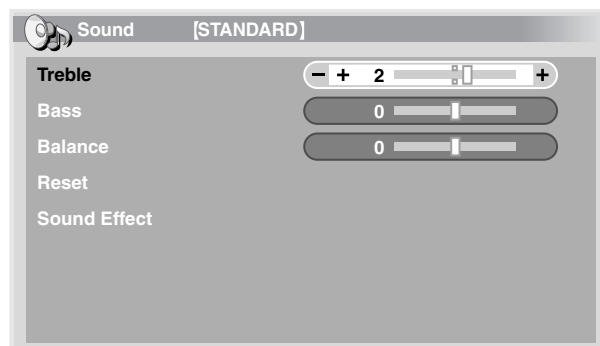
- You cannot adjust any item while on the "Before" screen. A warning message appears.
- When you switch to another parameter, make sure to change the display from "Before" to "After" first, otherwise you cannot select "Before". A warning message appears if you don't.
- If you exit the selection from the "Before" screen, the previous entry is stored in the memory and the button no longer works.
- If you exit the selection from the "After" screen, the new entry is stored in the memory and the button no longer works.
- If you move and change the "AV Selection" parameter, the new entry in the current parameter is stored in the memory and the button continues to work.
- You cannot compare images between different parameters on the "AV Selection" menu ("STANDARD" and "MOVIE", for example).
- When you select this function, "OPTIMUM" on the "AV Selection" menu, "Intelligent Mode" for "Pro Adjust" on the "Picture" menu and "Room Light Sensor" on the "Option" menu are set to off and image quality returns to default settings.
- This function is not selectable:
 - when you select "AV Selection",
 - when you select "Yes" or "No" on the confirmation screen for "Reset" from the "Picture" menu or
 - when you select a menu from the PC source

Sound adjustments

You can adjust the sound quality to your preference with the following settings.

Adjust the sound to your preference for the chosen AV Selection option. See page 53.

- 1 Press **HOME MENU**.
- 2 Select "Sound" (▲/▼ then **ENTER**).
- 3 Select an item to be adjusted (▲/▼).
- 4 Select the desired level (◀/▶).



Item	◀ button	▶ button
Treble	For weaker treble	For stronger treble
Bass	For weaker bass	For stronger bass
Balance	Shifts the audio balance to the left	Shifts the audio balance to the right

- 5 Press **HOME MENU** to exit the menu.

Note

- You cannot adjust the sound for listening with headphones.
- If you perform sound adjustments with headphones connected, the new settings will become effective as soon as you disconnect the headphones.
- To restore the factory defaults for all the items, press ▲/▼ to select "Reset" in step 3, and then press **ENTER**. A confirmation screen appears. Press ◀/▶ to select "Yes", and then press **ENTER**.

Sound Effect

You can select from SRS FOCUS, SRS or SRS TruBass.

- 1 Press **HOME MENU**.
- 2 Select **"Sound"** (▲/▼ then **ENTER**).
- 3 Select **"Sound Effect"** (▲/▼ then **ENTER**).
- 4 Select **"SRS FOCUS"**, **"SRS"** or **"SRS TruBass"** (▲/▼).
- 5 Select the desired parameter (◀/▶).


SRS FOCUS		
Selections	Off	Deactivates SRS FOCUS®
	On	Activates SRS FOCUS® Shifts the apparent direction of the sound upward for more clearly defined sound

SRS		
Selections	Off	Deactivates SRS®
	On	Activates SRS® Reproduces highly effective three-dimensional sound

SRS TruBass		
Selections	Off	Deactivates SRS TruBass®
	On	Activates SRS TruBass® Provides deep, rich bass using a new technology

- 6 Press **HOME MENU** to exit the menu.

Note

-  (WOW) denotes a status where SRS FOCUS®, SRS® and SRS TruBass® are on.
- You cannot adjust the sound effect for listening with headphones.
- If you change the sound effect with headphones connected, the new setting will become effective as soon as you disconnect the headphones.
- The effect of this function differs depending on signals.

Power Control

Power Control provides convenient functions for saving power.

Energy Save

You may use one of the three Energy Save modes to save power consumption.

- 1 Press **HOME MENU**.
- 2 Select **"Power Control"** (▲/▼ then **ENTER**).
- 3 Select **"Energy Save"** (▲/▼ then **ENTER**).
- 4 Select **"Mode 1"**, **"Mode 2"**, or **"Picture Off"** (▲/▼ then **ENTER**).

Item	Description
Off	Does not decrease picture brightness
Mode 1	Slightly lowers power consumption while slightly suppressing the brightness drop level
Mode 2	Decreases the picture brightness and lowers power consumption
Picture Off	Deactivates the screen to save power. To restore the screen display, press any button other than VOL +/- and MUTING . This setting is not memorized by the system.

- 5 Press **HOME MENU** to exit the menu.

Note

- When you change the Energy Save mode, you may notice a change in the panel sound. This is normal.
- Energy Save maintains efficiency of the screen for a long period of time by decreasing picture brightness and lowering power consumption. Setting Energy Save to "Mode 1" is recommended for increased efficiency.

No Signal off (AV source only)

The system will be automatically placed into the standby mode if no signal is received for 15 minutes.

- 1 Press **HOME MENU**.
- 2 Select **"Power Control"** (▲/▼ then **ENTER**).
- 3 Select **"No Signal off"** (▲/▼ then **ENTER**).
- 4 Select **"Enable"** (▲/▼ then **ENTER**).

Item	Description
Disable (default)	Does not place the system into the standby mode
Enable	Places the system into the standby mode if no signal is received for 15 minutes

- 5 Press **HOME MENU** to exit the menu.

Note

- Five minutes before the system is placed into the standby mode, a message appears every minute.
- The system may not be placed into the standby mode when noise signals are present at the plasma display after a TV program finishes.

No Operation off (AV source only)

The system will be automatically placed into the standby mode when no operation is performed for three hours.

- 1 Press **HOME MENU**.
- 2 Select **"Power Control"** (↑/↓ then **ENTER**).
- 3 Select **"No Operation off"** (↑/↓ then **ENTER**).
- 4 Select **"Enable"** (↑/↓ then **ENTER**).

Item	Description
Disable (default)	Does not place the system into the standby mode
Enable	Places the system into the standby mode if no operation is performed for three hours

- 5 Press **HOME MENU** to exit the menu.

Note

- Five minutes before the system is placed into the standby mode, a message appears every minute.

Power Management (PC source only)

The system will be automatically placed into the standby mode when no signal is received from the personal computer.

- 1 Press **HOME MENU**.
- 2 Select **"Power Control"** (↑/↓ then **ENTER**).
- 3 Select **"Power Management"** (↑/↓ then **ENTER**).
- 4 Select **"Mode 1"** or **"Mode 2"** (↑/↓ then **ENTER**).

Item	Description
Off (default)	No power management
Mode 1	<ul style="list-style-type: none"> • Places the system into the standby mode when no signal is received from the personal computer for eight minutes. • Even when you start using the computer and a signal is received again, the system stays off. • The system is switched on again by pressing STANDBY/ON on the plasma display or TV ⏻ on the remote control unit.
Mode 2	<ul style="list-style-type: none"> • Places the system into the standby mode when no signal is received for eight seconds. • When you start using the computer and a signal is received again, the system is switched on. • The system is switched on again by pressing STANDBY/ON on the plasma display or TV ⏻ on the remote control unit.

- 5 Press **HOME MENU** to exit the menu.

Note

- This function is not selectable when the PC is connected to the HDMI terminal.

Sleep Timer

When the selected time elapses, the Sleep Timer automatically places the system into the standby mode.

- The factory default is "Off".

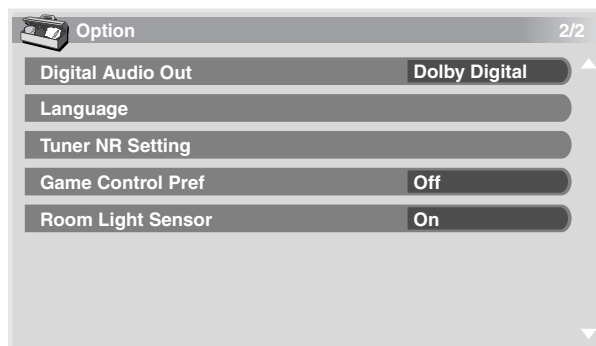
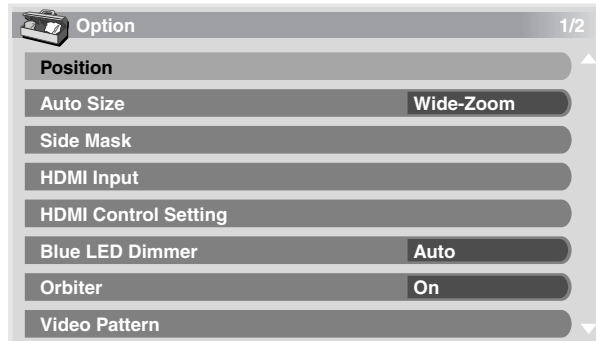
- 1 Press **HOME MENU**.
- 2 Select **"Sleep Timer"** (↑/↓ then **ENTER**).
- 3 Select the desired time (↑/↓ then **ENTER**).
 - Select "Off" (cancel), "30 min", "60 min", "90 min" or "120 min".
- 4 Press **HOME MENU** to exit the menu.

Note

- Five minutes before the selected time elapses, the remaining time appears every minute.
- To check the remaining time, perform steps 1 and 2. After checking the time, press **HOME MENU** to restore the previous display.
- The SLEEP indicator on the front of the plasma display lights orange when the sleep timer is set.

About "Option" menus

The "Option" menu consists of two screens. To select the desired menu, press ↓/↑ repeatedly to switch between Screen 1 and Screen 2. The current screen number appears at the top right corner on the screen.



(For AV source)

Image position adjustment (AV source only)

Adjusts the horizontal and vertical positions of images on the plasma display.

- 1 Press **HOME MENU**.
- 2 Select **"Option"** (▲/▼ then **ENTER**).
- 3 Select **"Position"** (▲/▼ then **ENTER**).
- 4 Select **"H/V Position Adjust"** (▲/▼ then **ENTER**).



- 5 Adjust the vertical position (▲/▼) or horizontal position (←/→).
- 6 Press **HOME MENU** to exit the menu.

Note

- To restore the factory defaults for all the items, press ▲/▼ to select "Reset" in step 4, and then press **ENTER**. A confirmation screen appears. Press ←/→ to select "Yes", and then press **ENTER**.
- Adjustments are stored separately for each input source.
- Depending on the displayed video, the image position may not change even after adjustment.

Automatic image position and clock adjustments (PC source only)

Use Auto Setup to automatically adjust positions and clock of images coming from a personal computer.

- 1 Press **HOME MENU**.
- 2 Select **"Option"** (▲/▼ then **ENTER**).
- 3 Select **"Auto Setup"** (▲/▼ then **ENTER**).



- Auto Setup starts.

- 4 Press **HOME MENU** to exit the menu.

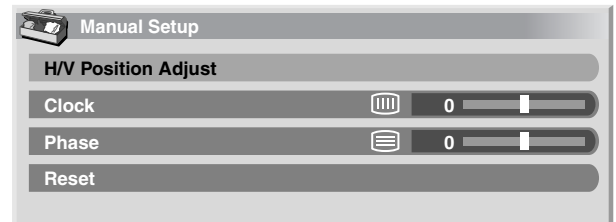
Note

- When Auto Setup is finished, "Auto Setup completed." appears.
- Even when "Auto Setup completed." appears, Auto Setup may have failed, depending on conditions.
- Auto Setup may fail with a PC image composed of similar patterns or monochrome. If not successful, change the PC image and try again.
- Be sure to connect the computer to the plasma display and switch it on before starting Auto Setup.
- Depending on the displayed video, the image position may not change even after adjustment.
- This function is not selectable when the PC is connected to the HDMI terminal.

Manual image position and clock adjustments (PC source only)

Usually you can easily adjust the positions and clock of images using Auto Setup. Use Manual Setup to optimize the positions and clock of images when necessary.

- 1 Press **HOME MENU**.
- 2 Select **"Option"** (▲/▼ then **ENTER**).
- 3 Select **"Manual Setup"** (▲/▼ then **ENTER**).
- 4 Select an item to be adjusted (▲/▼ then **ENTER**).



- 5 Perform adjustment (←/→ or ▲/▼).
 - With "Clock" or "Phase" selected, you can change the parameter using ←/→.
- 6 Press **HOME MENU** to exit the menu.

Note

- To restore the factory defaults for all the items, press ▲/▼ to select "Reset" in step 4, and then press **ENTER**. A confirmation screen appears. Press ←/→ to select "Yes", and then press **ENTER**.
- This function is not selectable when the PC is connected to the HDMI terminal.

Reducing video noise

For the individual analog TV channels, you can specify whether the plasma display should reduce video noise depending on the levels of broadcasting signals.

- 1 Press **HOME MENU**.
- 2 Select **"Option"** (▲/▼ then **ENTER**).
- 3 Select **"Tuner NR Setting"** (▲/▼ then **ENTER**).
- 4 Select **"Channel Map"** (▲/▼).

You can select only analog channels set by the Auto Channel Preset or POD.

- 5 Select **"Tuner NR"** (▲/▼).
- 6 Select **"On"** (←/→).



Item	Description
On (default)	Activates Tuner NR
Off	Deactivates Tuner NR

7 Press HOME MENU to exit the menu.

Note

- This function is only selectable when signals are received through ANT.A or ANT.B.
- The "Channel Keep/Skip" menu is not selectable. "Keep" or "Skip" is displayed when the setting in "Channel Map" is changed.
- This function may not achieve satisfactory results, depending on the conditions of broadcasting signals.

Selecting a game mode

When playing a game, you can use this function to establish a preference for image quality or operability.

- 1 Press HOME MENU.
- 2 Select "Option" (▲/▼ then ENTER).
- 3 Select "Game Control Pref" (▲/▼ then ENTER).
- 4 Select "On" or "Off" (▲/▼ then ENTER).

Item	Description
On	Establishes a preference for operability
Off	Establishes a preference for image quality

5 Press HOME MENU to exit the menu.

Note

- The "Game Control Pref" is only available when using an external input (except a PC source) and "GAME" is selected in "AV Selection".
- The "Game Control Pref" options are not effective when PC signals are received (when a PC source menu is displayed on the screen).
- The "On" setting is not effective when freezing images or in the multiscreen mode.

Selecting a screen size manually

In single-screen mode, press **SCREEN SIZE** to change the size of the screen from among the selectable options for the type of video signals currently received.

- The selectable screen sizes differ depending on the types of input signals.

AV source

Item	Description
4:3	For 4:3 "standard" pictures. A side bar appears on each side
WIDE	In this mode pictures are progressively stretched toward each side of the screen
FULL	For 16:9 squeezed pictures
ZOOM	For 16:9 letterbox pictures. Bars may appear on the top and bottom on some programs
CINEMA	For 14:9 letterbox pictures. Bars may appear on the top and bottom on some programs

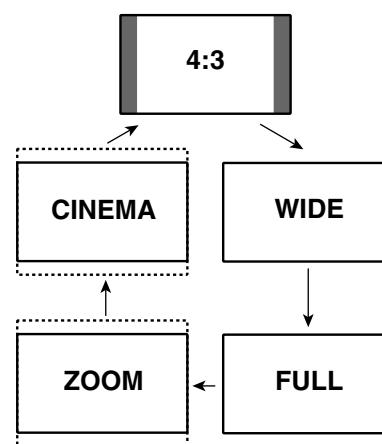
PC source

Item	Description
4:3	Fills the screen without altering the input signal aspect ratio
FULL	Full 16:9 screen display

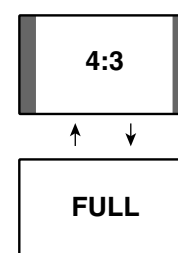
Note

- While watching High Definition TV broadcasting, pressing **SCREEN SIZE** switches among FULL, ZOOM, WIDE, and 4:3.
- If you watch High Definition TV broadcasting with WIDE selected, part of the screen (e.g., images, graphic interface) may not appear on the display. If this is the case, select FULL.
- Some HD broadcasts may display 4:3 content with side masks, which may cause uneven wear. After viewing, it is recommended to view full screen motion video (see *Detecting side masks* on page 63).
- The selectable screen sizes may differ depending on the conditions.
- You can freely change the screen size while watching HD broadcasts or enjoying other HD input sources. However, when you resume the HD programs after having quit them, "FULL" is automatically selected for the screen size.
- The specifications given for the PC source is for the PRO-1150HD. For the PRO-950HD, the number of panel pixels is different, and thus signal processing and actual viewing conditions will vary slightly.
- It is not recommended to consistently display signals that do not completely fill the screen. This may cause temporary or permanent image retention depending on the frequency and duration.

AV source



PC source



Selecting a screen size automatically

The plasma display automatically selects an appropriate screen size when video signals are received from a connected HDMI device (see page 66). To activate this function, use the following procedure.

- 1 Press HOME MENU.
- 2 Select "Option" (▲/▼ then ENTER).
- 3 Select "Auto Size" (▲/▼ then ENTER).
- 4 Select "Natural" or "Wide-Zoom" (▲/▼ then ENTER).

Item	Description
Off	Deactivates the Auto Size function
Natural	Naturally adjusts the image to the screen
Wide-Zoom	Enlarges and displays only the 4:3 aspect ratio portion in full and wide screen

- 5 Press HOME MENU to exit the menu.

Note

- Manually select an appropriate screen size if an image does not automatically switch to a correct screen format.
- When the video signal contains no aspect ratio information, the function will not work even with "Natural" or "Wide-Zoom" selected.

Detecting side masks

Some HD broadcasts may display 4:3 content with side masks. The plasma display automatically detects these side masks to provide gray side masks when "Natural" has been selected for "Auto Size", or display the image full screen with the side masks removed when "Wide-Zoom" has been selected. This function does not operate when "Off" is selected for "Auto Size".

- 1 Press HOME MENU.
- 2 Select "Option" (▲/▼ then ENTER).
- 3 Select "Side Mask" (▲/▼ then ENTER).
- 4 Select "Detection" (▲/▼).
- 5 Select "On" (←/→).

Item	Description
Off	Deactivates the Side Mask detection
On	Activates the Side Mask detection

- 6 Press HOME MENU to exit the menu.

Important

- The "On" setting prevents uneven wear on 4:3 content and side masks and can reduce the possibility of image retention.

Note

- You cannot set the Side Mask detection to "On" or "Off" when "Off" is selected in "Auto Size".
- Set the Side Mask detection function to "On". The High Definition 16:9 aspect ratio images containing side masks will be detected automatically and side masks will be added or the image displayed in full screen.
- This Side Mask detection does not operate on 4:3 content displayed in SD (standard definition) broadcasts.
- "AUTO" will appear on the channel display when this function is on.
- Detection errors may occur depending on the HD content. In case a detection error occurs, manually change the screen size to the desired size.
- The Side Mask detection function may not operate properly for video signals that contain no aspect ratio information. If that is the case, check if "FULL" is selected for the screen size, switch to another input source, then switch back to the original input source again.

Changing the brightness at both sides of the screen (Side Mask)

With the 4:3 screen size, you can change the brightness of the gray side masks that appear at both sides of the screen.

- 1 Repeat steps 1 to 3 in *Detecting side masks*.
- 2 Select "Brightness Sync." (▲/▼).
- 3 Select the desired parameter (←/→).

Item	Description
Fixed (default)	Always sets the same brightness for the gray side masks
Auto	Adjusts the brightness of the gray side masks according to the brightness of images

Important

- The "Auto" setting adjusts the brightness of the side masks according to the brightness of the screen and can reduce the possibility of image retention.

- 4 Press HOME MENU to exit the menu.

Room Light Sensor

This function automatically adjusts the brightness of the display panel in accordance with the brightness level of the viewing area. For details, use the following procedure.

- 1 Press **HOME MENU**.
- 2 Select **"Option"** (▲/▼ then **ENTER**).
- 3 Select **"Room Light Sensor"** (▲/▼ then **ENTER**).
- 4 Select **"On"** or **"Off"** (▲/▼ then **ENTER**).

Item	Description
On	Activates the Room Light Sensor function
Off	Deactivates the Room Light Sensor function

- 5 Press **HOME MENU** to exit the menu.

Note

- This function is disabled when "OPTIMUM" is selected on the "AV Selection" menu.
- This function is not available when PC signals are received.
- As this function automatically optimizes image quality, the process in which image settings such as brightness and tint gradually change may be seen on the screen. This is not a malfunction.

Blue LED Dimmer

You can adjust the brightness of the POWER ON indicator depending on the brightness level of the viewing area. When "Auto" is selected, the brightness of the indicator changes to "High", "Mid" or "Low" to match the brightness level of the viewing area.

- 1 Press **HOME MENU**.
- 2 Select **"Option"** (▲/▼ then **ENTER**).
- 3 Select **"Blue LED Dimmer"** (▲/▼ then **ENTER**).
- 4 Select **"Auto"**, **"High"**, **"Mid"** or **"Low"** (▲/▼ then **ENTER**).
- 5 Press **HOME MENU** to exit the menu.

Orbiter

This function automatically shifts the image little by little to reduce the occurrence of the burning.

- 1 Press **HOME MENU**.
 - 2 Select **"Option"** (▲/▼ then **ENTER**).
 - 3 Select **"Orbiter"** (▲/▼ then **ENTER**).
 - 4 Select **"On"** (▲/▼ then **ENTER**).
 - 5 Press **HOME MENU** to exit the menu.
- To cancel this function, select "Off" in step 4.

Note

- When the Orbiter function is set to "On", the image may appear to drop slightly on the screen.
- This function does not operate when PC signals are received.

Video Pattern

You can display the Video Pattern screen that also helps eliminate after-image when it occurs.

- 1 Press **HOME MENU**.
- 2 Select **"Option"** (▲/▼ then **ENTER**).
- 3 Select **"Video Pattern"** (▲/▼ then **ENTER**).

A confirmation screen appears.

- 4 Select **"Start"** (**ENTER**).

The Video Pattern screen displays.

Note

- The system is automatically placed into standby one hour after the Video Pattern screen has started.
- While the Video Pattern screen is on, no buttons operate except **TV** on the remote control unit, **STANDBY/ON** and on the plasma display.
- To cancel the Video Pattern screen, press **TV** on the remote control unit, **STANDBY/ON** or on the plasma display.
- The Video Pattern timer has priority over the sleep timer. When the Video Pattern timer is on, the sleep timer becomes ineffective.

Language setting

You can select a language to be used for on-screen display such as menus from among three languages: English, French, and Spanish.

- 1 Press **HOME MENU**.
- 2 Select **"Option"** (▲/▼ then **ENTER**).
- 3 Select **"Language"** (▲/▼ then **ENTER**).
- 4 Select a language (←/→).



- 5 Press **HOME MENU** to exit the menu.

Chapter 12

Enjoying through External Equipment

About External Equipment

You can connect many types of external equipment to your plasma display, like a DVD player, VCR, personal computer, game console, and camcorder.

To view images coming from external equipment, select the input source using the **INPUT 1** to **INPUT 7** buttons on the remote control or the **INPUT** button on the plasma display.

Caution

- To protect all equipment, always unplug the plasma display from the power outlet before connecting to a DVD player, VCR, personal computer, game console, camcorder, or other external equipment.

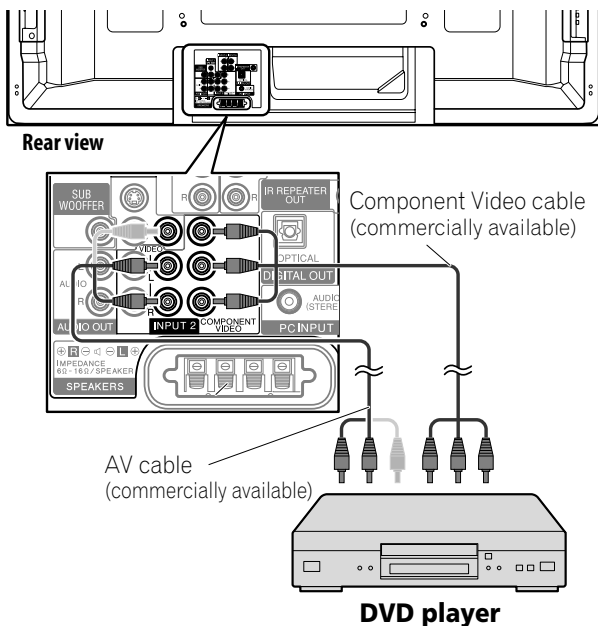
Note

- Refer to the relevant instruction manual (DVD player, personal computer, etc.) carefully before making connections.

Watching a DVD image

Connecting a DVD player

Use the **INPUT 2** terminals when connecting a DVD player and other audiovisual equipment.



Displaying a DVD image

To watch a DVD image, press **INPUT 2** on the remote control unit or press **INPUT** on the plasma display to select "INPUT 2".

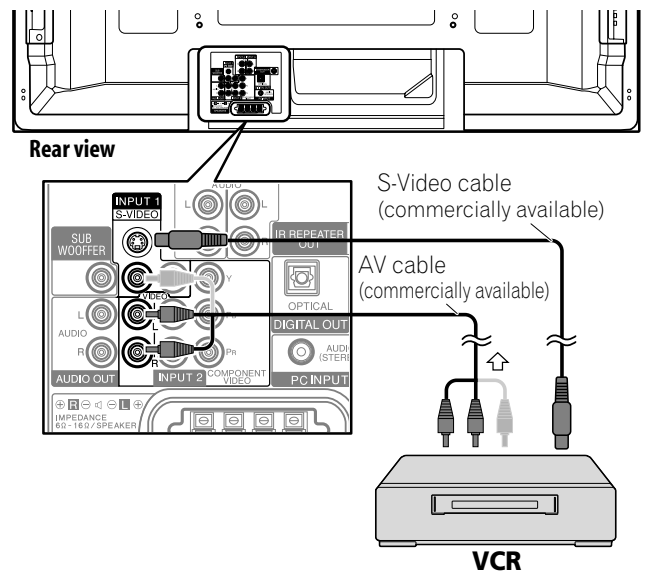
Note

- Refer to your DVD player instruction manual for the signal type.
- The **INPUT 2** terminals are checked whether they are connected in the following order; 1) Component Video, 2) S-Video, 3) Video. Use the desired connection for viewing.
- Connect external equipment to only terminals that are to be actually used.

Watching a VCR image

Connecting a VCR

Use the **INPUT 1** terminals when connecting a VCR and other audiovisual equipment.



Displaying a VCR image

To watch a VCR image, press **INPUT 1** on the remote control unit or press **INPUT** on the plasma display to select "INPUT 1".

Note

- The **INPUT 1** terminals are checked whether they are connected in the following order; 1) S-Video, 2) Video. Use the desired connection for viewing.
- Connect external equipment only to terminals that are actually to be used.

Using HDMI Input

The INPUT 4, INPUT 5, INPUT 6, INPUT 7 terminals are HDMI terminals to which digital video and audio signals can be input. To use the HDMI terminal, specify the types of video and audio signals to be received from the connected equipment. For the types of these signals, see the operation manual that came with the connected equipment.

Before starting the menu, press **INPUT 4**, **INPUT 5**, **INPUT 6** or **INPUT 7** on the remote control unit or press **INPUT** on the plasma display to select "INPUT 4", "INPUT 5", "INPUT 6" or "INPUT 7".

Video signals supported

720 (1440) x 480i@59.94 Hz/60 Hz

720 x 480p@59.94 Hz/60 Hz

1280 x 720p@59.94 Hz/60 Hz

1920 x 1080i@59.94 Hz/60 Hz

1920 x 1080p@24 Hz

1920 x 1080p@60 Hz

PC signals supported

640 x 480 (VGA) 60 Hz

800 x 600 (SVGA) 60 Hz

1024 x 768 (XGA) 60 Hz

1360 x 768 (Wide - XGA) 60 Hz

1280 x 1024 (SXGA) 60 Hz

For audio, the system supports the following:

- Linear PCM (STEREO 2ch)
- Sampling frequency: 32 kHz, 44.1 kHz, 48 kHz

HDMI Control supported

The plasma display supports the HDMI Control functions. By connecting devices that support the HDMI Control functions to the plasma display, you can control the connected device(s) from the plasma display or remote control unit of the plasma display. See *Using the HDMI Control* on Chapter 13.

Deep Color supported

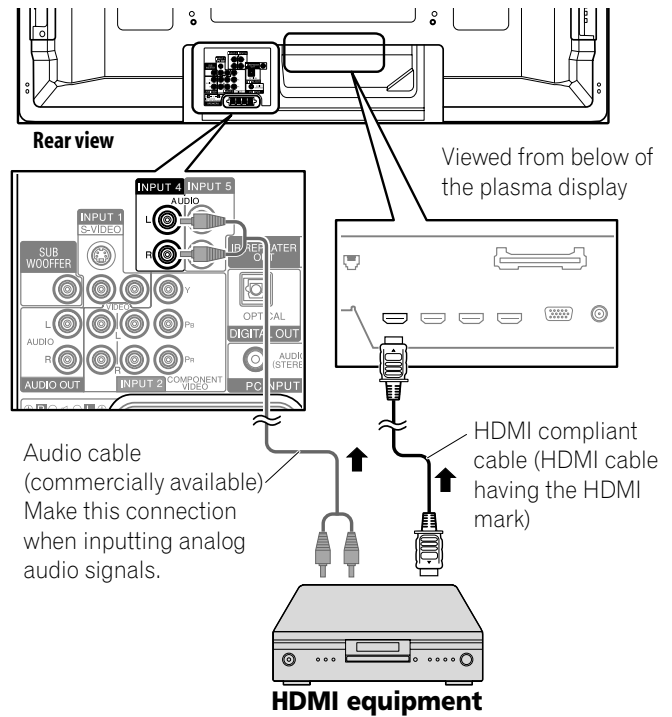
Deep Color means the color depth that describes the number of bits used to represent the color of a single pixel in a bitmapped image. Besides the conventional RGB/YCbCr16 bit/20 bit/24 bit signals, the plasma display also supports RGB/YCbCr30 bit/36 bit signals. This enables finer, minute color reproduction when a device that supports Deep Color signals (HDMI1.3) is connected to the plasma display. When Deep Color signals are received, the color depth appears on the channel display.

Note

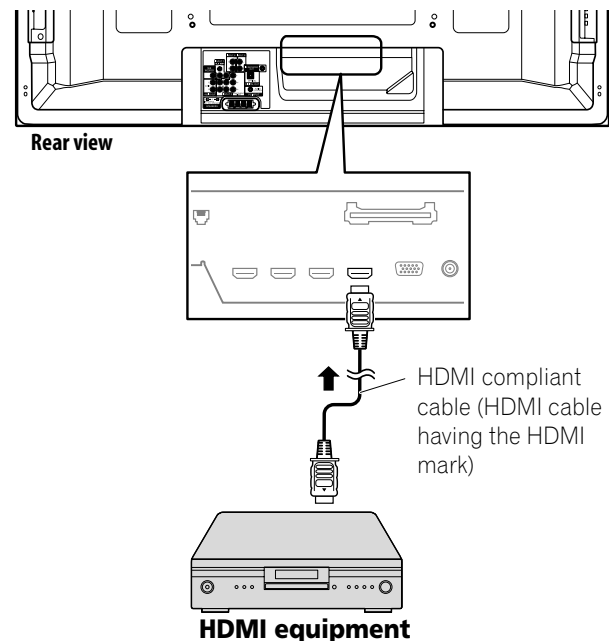
- It may take a short while until the image is displayed, depending on the equipment connected.
- When connecting a PC to the HDMI terminal, use the HDMI compliant PC or video card.
- When connecting a PC to the HDMI terminal using a DVI output terminal, the plasma display may not display properly. If that is the case, consult with your PC manufacturer.
- PC picture and/or sound may not be displayed or heard properly depending on the PC used.

Connecting HDMI equipment

When using the INPUT 4 terminal:



When using the INPUT 7 terminal:



To specify the type of input signals

- 1 Press HOME MENU.
- 2 Select "Option" (▲/▼ then ENTER).
- 3 Select "HDMI Input" (▲/▼ then ENTER).
- 4 Select "Signal Type" (▲/▼ then ENTER).
- 5 Select "Video" or "PC" (▲/▼ then ENTER).

Item	Description
Video (default)	Select this option except when a PC is connected
PC	Select this option when a PC is connected to the HDMI input terminal

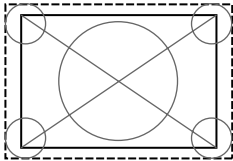
- 6 Press HOME MENU to exit the menu.

Caution

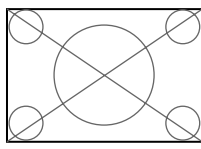
- Make sure to select "PC" when a PC is connected to the HDMI input terminal.

Note

- In the "Video" mode, the image is "over-scanned" (enlarged), and the mode is automatically switched to "PC" when PC signals are received.
- In the "PC" mode, the image is displayed in full size for optimum image quality.



when "Video" is selected
("overscan" size screen)



when "PC" is selected
("underscan" size screen)

To specify the type of digital video signals

- 1 Press HOME MENU.
- 2 Select "Option" (▲/▼ then ENTER).
- 3 Select "HDMI Input" (▲/▼ then ENTER).
- 4 Select "Video" (▲/▼ then ENTER).
- 5 Select the type of digital video signals (▲/▼ then ENTER).
 - If you select "Auto", an attempt will be made to identify the type of digital video signals when digital video signals are received.

Item	Description
Auto (default)	Automatically identifies input digital video signals
Color-1	Digital Component Video signals (4:2:2) locked
Color-2	Digital Component Video signals (4:4:4) locked
Color-3	Digital RGB signals (16 to 235) locked
Color-4	Digital RGB signals (0 to 255) locked

- 6 Press HOME MENU to exit the menu.

Note

- If you select a parameter other than "Auto", make such a setting that results in natural color.
- If no image appears, specify another digital video signal type.
- For the digital video signal types to be specified, check the operation manual that came with the connected equipment.

To specify the type of audio signals

When you use the INPUT 4 or INPUT 5 HDMI terminal, select the terminal for the desired input source, then perform the following procedure to specify the type of audio signals.

- 1 Press HOME MENU.
- 2 Select "Option" (▲/▼ then ENTER).
- 3 Select "HDMI Input" (▲/▼ then ENTER).
- 4 Select "Audio" (▲/▼ then ENTER).
- 5 Select the type of audio signals (▲/▼ then ENTER).
 - If you select "Auto", an attempt will be made to identify the type of audio signals when audio signals are received.

Item	Description
Auto (default)	Automatically identifies input audio signals
Digital	Accepts digital audio signals
Analog	Accepts analog audio signals

- 6 Press HOME MENU to exit the menu.

Note

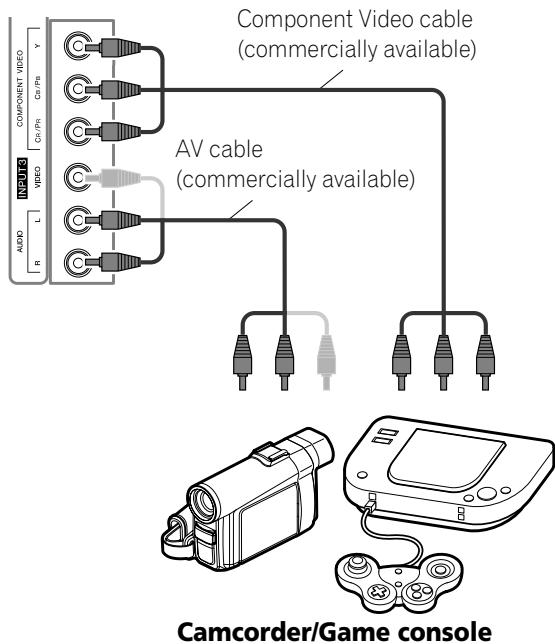
- If no sound is output, specify another audio signal type.
- For the audio signal types to be specified, check the operation manual that came with the connected equipment.
- Depending on the equipment to be connected, you also need to connect analog audio cables.

Enjoying a game console or watching camcorder images

Connecting a game console or camcorder

Use the INPUT 3 terminals to connect a game console, camcorder and other audiovisual equipment.

Plasma display (left side view)



Displaying an image of the game console or camcorder

To watch an image coming from the game console or camcorder, press **INPUT 3** on the remote control unit or press **INPUT** on the plasma display to select "INPUT 3".

Note

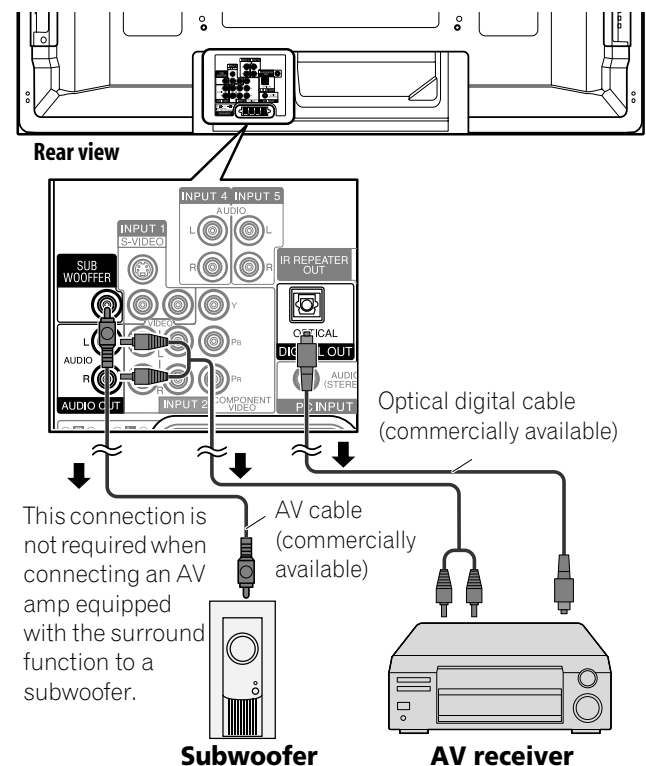
- The INPUT 3 terminals are checked whether they are connected in the following order; 1) Component Video, 2) Video. Use the desired connection for viewing.
- Connect external equipment to only terminals that are to be actually used.

Connecting other audio equipment

The digital audio output terminal (optical) on this system can output Dolby Digital signals. Using an optical digital cable, connect an AV receiver to the digital audio output terminal (optical) on the rear of the plasma display. This allows audio such as digital TV broadcasting to be played in high quality.

If your AV receiver does not have a digital audio input terminal (optical), you may connect the AUDIO OUT terminals (AUDIO) on the rear of the plasma display to the audio input terminals on the AV receiver. However, this method may result in audio delay between the speakers and AUDIO, which may be reduced by muting the speakers on the plasma display. Nonetheless, you may experience delay between audio and video.

Connecting an AV receiver



Note

- When using the digital audio output terminal (optical), you need to make settings depending on your AV receiver. For more information, see the instruction manual that came with the AV receiver.
- For details, refer to the operation manual for the audio equipment to be connected.
- Audio signals synchronized with currently displayed images are always output to the AUDIO OUT terminals.
- The audio accompanying the images shown on the display are always output to the SUBWOOFER output terminal.
- When signals are input from the HDMI terminals, no signals are output from the DIGITAL OUT terminal.
- Input signals from the Home Media Gallery may cause audio delays between the speakers and OPTICAL. Try muting the speakers on the plasma display; however, you may still experience delays between audio and video.

Switching the optical audio signal type

Set up for the DIGITAL OUT terminal (OPTICAL), depending on your AV receiver.

- 1 Press HOME MENU.
- 2 Select "Option" (▲/▼ then ENTER).
- 3 Select "Digital Audio Out" (▲/▼ then ENTER).
- 4 Select "Dolby Digital" or "PCM" (▲/▼ then ENTER).

Item	Description
Dolby Digital (default)	For Dolby Digital encoded signals, outputs in the Dolby Digital format. For PCM encoded signals, outputs in the PCM format.
PCM	Always outputs in the PCM format regardless of the types of signals

- 5 Press HOME MENU to exit the menu.

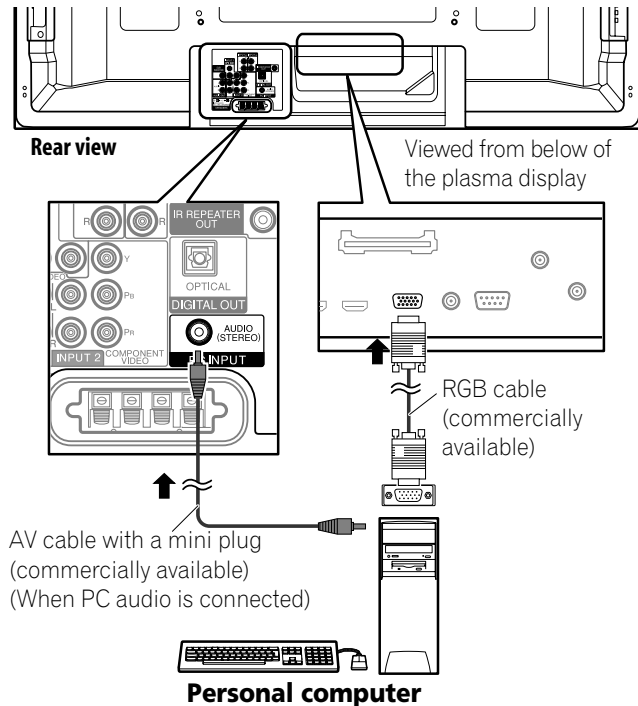
Watching an image from a personal computer

Connecting a personal computer

Use the PC terminals to connect a personal computer.

Note

- The PC input terminals are DDC2B-compatible.
- Plug & Play may not correctly function, depending on the personal computer in use.



Displaying an image from a personal computer

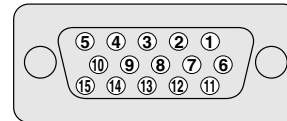
When connected to a personal computer, the input signal type is automatically identified. If the personal computer image does not come in clearly, you may need to use Auto Setup. See page 61.

To watch an image coming from the personal computer, press **PC** on the remote control unit or press **INPUT** on the plasma display to select "PC".

Note

- The PC terminals cannot be used for audio-visual equipment.

Signal names for 15-pin mini D-sub connector



Pin No.	Signal name
1	R
2	G
3	B
4	Not connected
5	Not connected
6	GND (ground)
7	GND (ground)
8	GND (ground)
9	+5 V
10	GND (ground)
11	Not connected
12	SDA
13	HD
14	VD
15	SCL

Computer compatibility chart

Resolution	Frequency
720 x 400	70 Hz
640 x 480 (VGA)	60 Hz
800 x 600 (SVGA)	60 Hz
1280 x 720	60 Hz
1024 x 768 (XGA)	60 Hz
1360 x 768 (Wide-XGA)	60 Hz
1280 x 1024 (SXGA)	60 Hz

Connecting control cords

Connect control cords between the plasma display and other Pioneer equipment having the **SR+** logo. You can then operate the connected equipment by sending commands from its remote control unit to the remote control sensor on the plasma display. After the CONTROL IN terminals have been connected, the remote control sensors on the connected equipment do not accept commands from the remote control units. Face the remote control units to the remote control sensor on the plasma display when operating the connected equipment.

Note

- Make sure that the power is turned off when making connections.
- Complete all component connections before making control cord connections.

About SR+

The CONTROL OUT terminal on the rear of the plasma display supports **SR+**, which allows linked operations with a Pioneer AV receiver. **SR+** presents functions such as the input switch linkage operation function and the DSP surround mode display function. For more information, see the instruction manual that came with the Pioneer AV receiver supporting **SR+**.

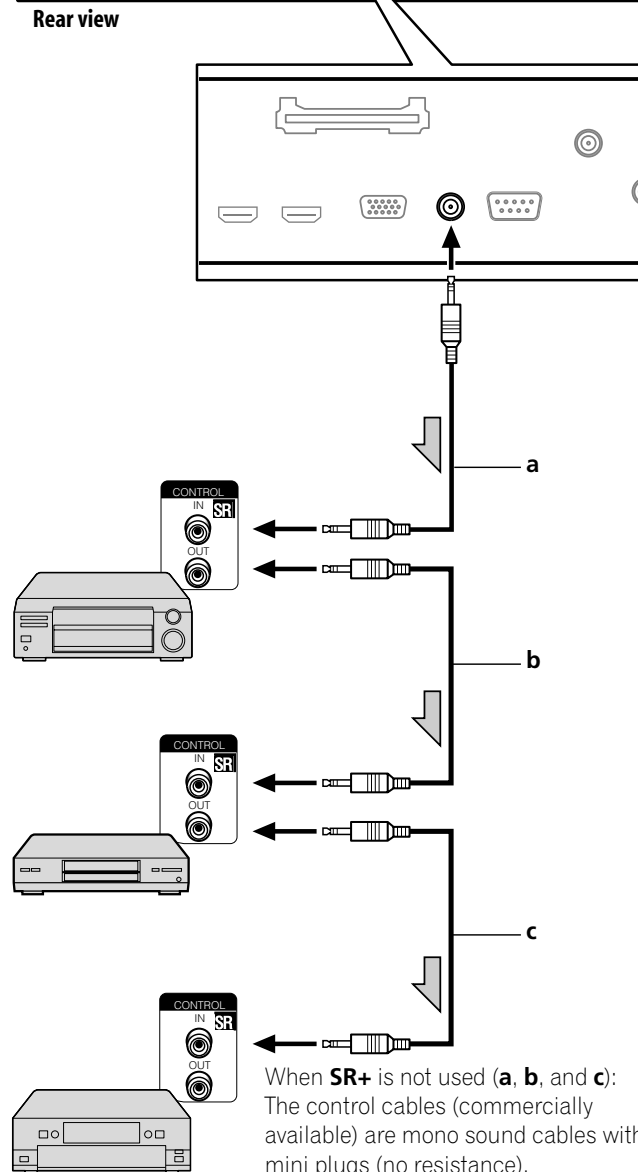
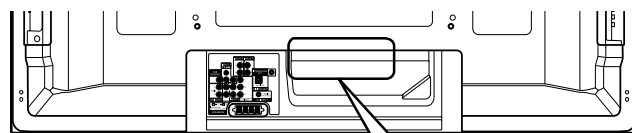
Note

- When making control cord connections, use the **SR+** cable.
- When making control cord connections with one or more pieces of Pioneer equipment, directly connect the plasma display and the Pioneer amplifier that supports **SR+**. Do not connect other equipment between them.
- When the connected equipment is being operated using **SR+**, the volume on the plasma display is temporarily reduced.

IR REPEATER OUT

Connect control cords between the plasma display and other Pioneer equipment. You can then operate the connected equipment by sending commands from its remote control unit to the remote control sensor on the plasma display. This function is convenient when controlling Pioneer equipment from other Pioneer equipment.

Plasma display



When **SR+** is not used (a, b, and c):
The control cables (commercially available) are mono sound cables with mini plugs (no resistance).
When **SR+** is used (a):
Use the **SR+** cable (available as option).



Enjoying the Home Media Gallery

With Home Media Gallery, you can enjoy digital content such as movies, music and photo files. Playable content is files stored on one or more media servers connected by a home network (LAN) or those stored on a USB flash drive. After connecting via a broadband router or an Ethernet hub to a media server with network software*, you can navigate through the digital content on the Home Media Gallery. For USB interface, the plasma display supports Mass Storage Class devices.

* Referred to as a "media server" that contains digital content such as movies, music and photo files. PCs that have pre-installed media server software and recorders with a media server function are considered the media server. There are some media servers that you can choose from; for example, Windows Media Connect, Windows Media Player that has a media sharing function, and DLNA compliant servers.

Usable free media servers

Free media servers available from Microsoft include:

1. Windows Media Connect 2.0

Windows Media Connect runs on a 32-bit PC with Windows XP Service Pack 2 (SP2) installed. When it is already installed, you can enjoy Home Media Gallery using your PC.

2. Windows Media Player 11 for Windows XP

Windows Media Player 11 features Media Sharing that runs on a 32-bit PC with Windows XP Service Pack 2 (SP2) installed. If Windows Media Connect 2.0 is not installed in your PC, you can download Windows Media Player 11 from Microsoft's website.

3. Windows Media Player 11 for Windows Vista

Windows Media Player 11 will be featured in 32-bit Windows Vista PCs.

When selecting the most suitable media server, please visit Microsoft's website for system requirements, known issues, installation procedures and other updated information.

PlaysForSure

PlaysForSure is a marketing certification given by Microsoft. The PlaysForSure logo makes it easy to find digital media stores and devices that work together. Digital media purchased from online stores carrying the PlaysForSure logo is available for use on this unit. This unit complies with PlaysForSure Requirements Specification for Network Devices Version 1.21.

The PlaysForSure logo, Windows Media and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the USA and other countries.

DLNA CERTIFIED™ Audio/Video/Image Player

The Digital Living Network Alliance (DLNA) is a cross-industry organization of consumer electronics, computing industry and mobile device companies. Digital Living provides consumers with easy sharing of digital media through a wired or wireless network in the home.

The DLNA certification logo makes it easy to find products that comply with the DLNA Interoperability Guidelines. This unit complies with the DLNA Home Networked Device Interoperability Guidelines v1.0.

When a PC running DLNA server software or other DLNA-compatible device is connected to this player, some setting changes of software or other devices may be required. Please refer to the operating instructions for the software or device for more information.

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Supported file formats

The table below shows supported file formats that can be played back or displayed on the plasma display. These formats are applicable to network sources. Most of them are also applicable to USB sources. However, media server content protected by digital rights management, such as WMDRM10 (Windows Media Digital Rights Management 10), may not play on the plasma display.

Type of files	Format
Movie	MPEG PS (mpg, mpeg, mpe, m2p), MPEG-2 TS, WMV (asf, wmv), MPEG4 (mp4)
Music	MP3 (mp3), LPCM, WAV (wav), WMA (asf, wma)
Photo	JPEG (jpg, jpeg), BMP (bmp), PNG (png), TIFF (tif, tiff), GIF (gif)

- Some formats may not be supported nor displayed on Home Media Gallery as formats that individual media servers support vary. Refer to the manufacturer's or other relevant website for supported formats on your media server.
- Even with the format included in the above table, some functions may not operate properly depending on the content.
- Even with the format included in the above table, some files may not be played properly through a USB device.

Note

- Content may not play or display properly depending on the conditions of use.
- Sources for this panel include media servers running on the LAN network, or SD Card, MS, MMC, xD Picture and CF that comply with the Mass Storage File System through a USB interface.
- Home Media Gallery complies with DLNA version 1.0 and PlaysForSure version 1.21. If your media server supports different DLNA and/or PlaysForSure version(s), some Home Media Gallery function(s) and content format(s) may not be supported.
- Supported formats and contents are subject to change. Visit the Pioneer website for updated information: <http://www.pioneerelectronics.com>
- The Home Media Gallery functions as a WMDRM10-ND (Microsoft Windows Media DRM for networked devices). Content can only be navigated from the media servers that support WMDRM10-ND.
- The system may not be able to display content from incompatible memory cards.
- You cannot use the Home Media Gallery until dimmed elements on the menu screen turn white.
- Some Home Media Gallery functions, such as trick play during Fast Forward and Rewind, Time Search and Search, may not work depending on the media server's capability and functionality.

Digital Audio Output terminal (Optical)

Note

- When using the optical output terminal for networked audio or video:
If the plasma display and audio system are in the same room, you may experience an audio delay between the plasma speakers and the audio system. Try muting the speakers on the plasma display to correct this delay. However, this action may cause delays between audio and video.

Making network connections

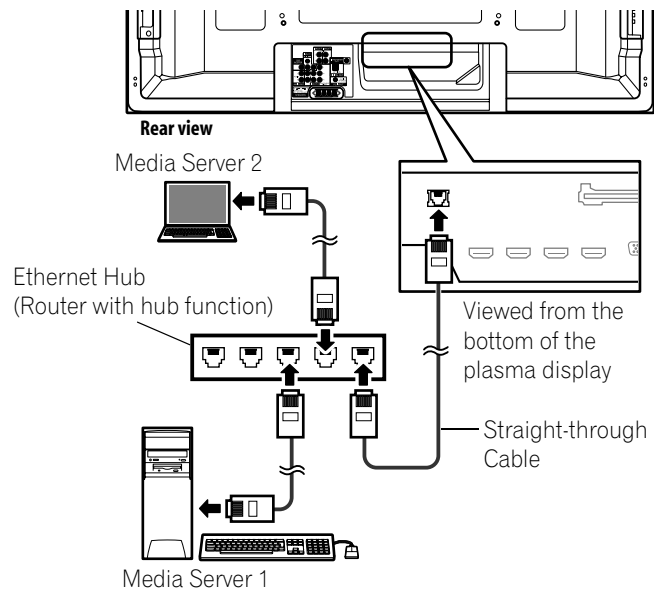
To connect to a network, set up the Home Media Gallery through the panel's menu. Connect to a home network (LAN) via an Ethernet hub or cable directly to a media server.

Note

- Although the Home Media Gallery supports 10BASE-T, it is better to use 100BASE-TX for improved display quality and speed.

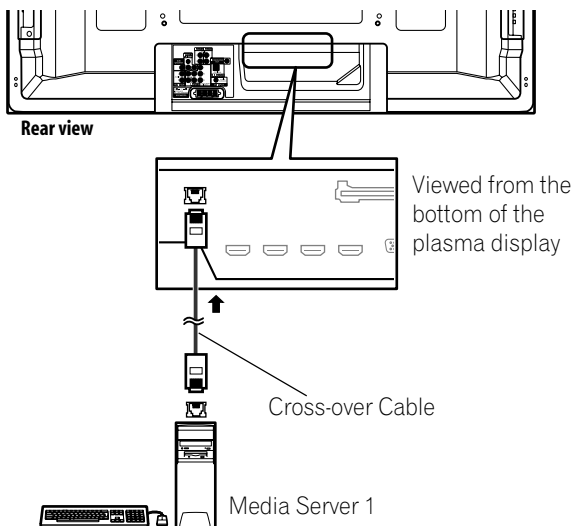
Connecting via an Ethernet hub

If you already operate one or more media servers on a local area network (LAN), connect the plasma display to the Ethernet (LAN) hub using a standard ("straight-through") Ethernet (LAN) cable. See the diagram below.



Connecting directly to a Media Server

To run a PC as a media server, connect the plasma display directly to the PC using a twisted ("cross-over") Ethernet (LAN) cable. See the diagram below.



Confirming the IP Address

After making the network connection, follow the instructions below to confirm the panel's IP Address before accessing the network. (The setup is effective for "Auto" only. To perform the procedure, DHCP on your server or router must be valid.)

- 1 Press HOME MEDIA GALLERY.**
 - The Home Media Gallery screen is displayed.
- 2 Select "Setup" (▲/▼ then ENTER).**
- 3 Select "Network Setup" (▲/▼ then ENTER).**
- 4 Select "Automatically acquire IP" (▲/▼/◀/▶ then ENTER).**
 - The screen turns from "Select" mode to "Input" mode.
- 5 Select "Yes" (▲/▼ then ENTER).**
 - The IP Address is automatically assigned.
 - The Home Media Gallery supports Auto IP and DHCP (Dynamic Host Configuration Protocol). If the system failed to acquire the IP Address or if you want to obtain different addresses, select "No" then enter "IP Address" and "Subnet mask". Use the 0 to 9 and ▲/▼/◀/▶ buttons to enter an address, then press ENTER. You do not need to enter "Default Gateway" and "DNS Server".
- 6 Select "OK" (▲/▼ then ENTER).**
 - The "Reset" dialog appears on screen.
- 7 Select "OK" and press ENTER.**
 - The home network module restarts.
 - A message "Setting up Home Media Gallery. Please wait until initialized." appears on screen.
 - When the initialization is finished, setting values become effective and the top menu of the Home Media Gallery returns.

Note

- For information on DHCP, refer to network device's operating instructions.
- You may need to contact your service provider or network administrator when manually entering an IP Address.
- Some media servers block or are programmed to block access to client servers. When connecting the plasma display, check the media server for client server access rights.

Connecting a USB device

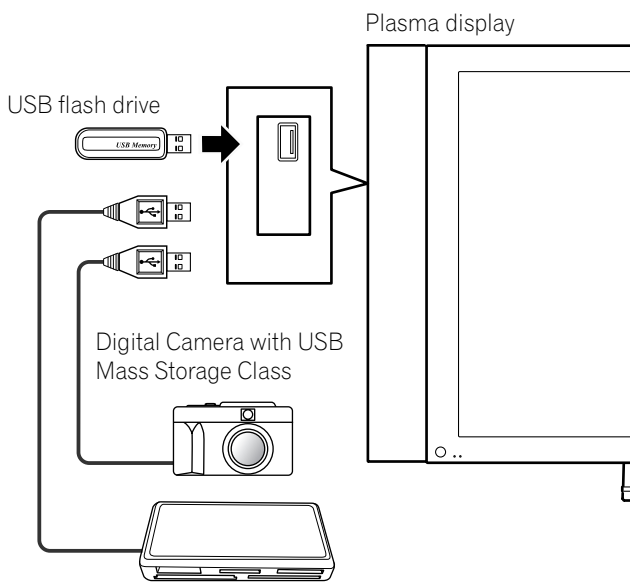
You can also enjoy content stored on memory cards by connecting a USB device to the plasma display. When you insert a USB flash drive or multi-card reader into the USB port, the root directory or the Device List screen appears. In addition, you can connect your digital camera directly to the plasma display using a USB connector cable.

- 1 Press HOME MEDIA GALLERY.**
 - The Home Media Gallery screen is displayed.
- 2 Select "USB" (▲/▼ then ENTER).**
 - The Device List is displayed on screen with the selected device highlighted if you have not checked in the "Single Server/USB" box after selecting "Setup" and then "Auto Connection Setup". If you have checked in the box, the list is skipped.

- 3 **Select the desired device (↑/↓ then ENTER).**
 - You can select a device only when the Device List is displayed.
- 4 **Press ENTER to navigate to a folder or play a file/content.**
 - To return to the previous screen, press **RETURN**.

Note

- If the Home Media Gallery is launched and the “Single Server/USB” box is checked after selecting “Setup” and then “Auto Connection Setup”, the system displays the root directory immediately after inserting a USB device. In this case, you can start from step 4. When a multi-card reader is inserted, the Device List appears with the selected device highlighted. In this case, you can start from step 3.



Flash media via USB adapter (Multi-card Reader)

Readable USB devices

This system reads FAT16, FAT32, NTFS, ISO9660, Joliet or UDF.

Readable data files

Movie, music and photo files can also be played with the exception of Digital Rights Management (WMDRM10) protected files.

Note

- A single USB device can be connected at a time and no USB hub connected.
- This system may not be able to display modified or edited content from a PC or other equipment.
- This system supports the USB Mass Storage Class.
- Some digital cameras may require a setup procedure for Mass Storage Class data transfer. The setup is done on the camera. See the operating instructions supplied with the digital camera.
- This system may not be able to display images, depending on the type of your memory card, or camera.

Removing a USB device

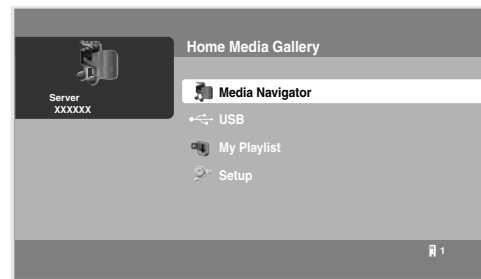
To remove a USB device, exit the Home Media Gallery first and then disconnect the device.

Note

- Be sure to exit the Home Media Gallery screen before removing the USB device. If you remove the USB device while the Home Media Gallery screen is displayed, data inside the memory may be damaged.
- Do not insert or remove the USB device immediately after the system is switched On or Off. This action may cause data inside the memory to be damaged.
- Pioneer is not liable for any loss or damage to the data inside the USB flash drive.

Starting the Home Media Gallery function

- 1 **Press HOME MEDIA GALLERY.**
 - The Home Media Gallery screen is displayed.
- 2 **Select “Media Navigator”, “USB”, “My Playlist” or “Setup” (↑/↓ then ENTER).**
 - To return to the previous screen, press **RETURN**.
 - To exit Home Media Gallery, press **HOME MENU** or **HOME MEDIA GALLERY**.



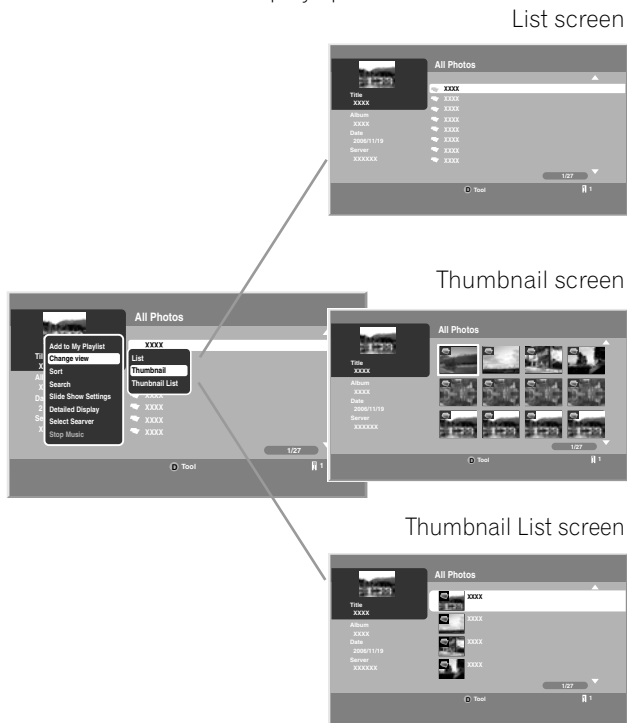
Navigating the files and folders

By selecting Media Navigator, the previously selected server menu is automatically displayed on the screen by default (page 86). When only one server is found, the system automatically connects the server. You can also use the Tool Menu to switch to another server or manually select a server from the Server List. The display is automatically changed to a server list if there are no previously navigated servers.

- 1 **Press HOME MEDIA GALLERY.**
 - The Home Media Gallery screen is displayed.
- 2 **Select “Media Navigator” (↑/↓ then ENTER).**
 - A server menu appears. The file/folder configuration may vary depending on the server selected.
 - After selecting a category, folder or container and navigating on subsequent screens, you can find a file and start the appropriate Player depending on the selected file.
- 3 **Select the desired folder to navigate or file/content to play (←/→ or ↑/↓ then ENTER).**
- 4 **Press ENTER to display a subsequent screen.**
 - Subsequent screen(s) appears.
 - To return to the previous screen, press **RETURN**.
 - To exit Home Media Gallery, press **HOME MENU** or **HOME MEDIA GALLERY**.

Selectable screen display

Menu display options are: "List", "Thumbnail" or "Thumbnail List". Press **D** then select "Change view" from the Tool Menu to choose from the screen display options.



Using the Tool Menu

Press **D** on the remote control to access the pop-up Tool Menu. Various play and display modes can be selected from the Tool Menu. The selectable menu items differ depending on the submenu (see the table below).

Menu items	Function	Screen on which Tool Menu is available
Update to Latest Information	Updates the server connection status	Server List (connected/not connected)
Delete Server	Deletes the server(s) that are dimmed on the list	Server List (server not connected)
USB Devices List	Moves to the USB Devices List screen	Folder Contents List (USB)/Contents List (USB)
Consecutive Playback*1	Continuously plays video content starting from the selected item	Media Navigator/Folder Contents List/Contents List
Detailed Display*1	Displays the detailed information on the selected content	Media Navigator/Folder Contents List/Contents List
Sort	Sorts items in Folder or Contents List	Media Navigator/Folder Contents List/Contents List
Search	Searches the desired items in Folder or Contents List by word	Media Navigator/Folder Contents List/Contents List

Menu items	Function	Screen on which Tool Menu is available
Slide Show Setup	Used to set up a slide-show on the Photo Player	Server List/Media Navigator/USB/My Playlist/Playlist List (Movie/Music/Photo)/Folder Contents List/Contents List/Photo Player
Add to My Playlist*1	Adds the selected files to My Playlist	Media Navigator/Folder Contents List/Contents List/Movie Player/Music Player/Photo Player
Select Server	Moves to the Server List screen	Media Navigator/Folder Contents List/Contents List
Stop Music*2	Stops playback of a music file	Media Navigator/Playlist List (Movie/ Music/ Photo)/Folder Contents List/Contents List/Music Player/Photo Player
Change Name	Used to change content names in My Playlist	Playlist List (Movie/ Music/Photo)
Change view	Switches the screen display to List, Thumbnail, or Thumbnail List	Folder Contents List/Contents List
Time Search	Starts playback at the preset time on the Movie or Music Player screen	Movie Player/Music Player
Slow Playback	Plays back in the slow mode on the Movie or Music screen	Movie Player
BGM Setup	Used to set up the slideshow BGM on the Photo Player	Photo Player
Move	Moves the order of content in My Playlist	Contents List (Playlist)
Delete from My Playlist*1	Deletes the selected content from My Playlist	Contents List (Playlist)

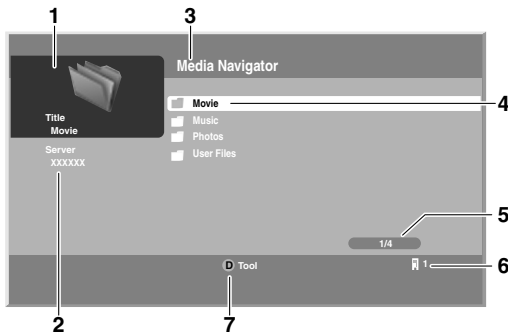
*1 When a file is selected

*2 While music is played

Media Navigator

While navigating through the folders a media server provides, you can select the desired file to start the corresponding player by pressing **ENTER**.

Screen Components



- 1 Thumbnail of the file selected (if obtained)
- 2 Name of the server currently selected
- 3 Current menu level
- 4 Item being selected (highlighted in yellow)
- 5 File number/total number of files
- 6 Number of servers connected
- 7 Key guide

Note

- The Media Navigator is not launched depending on the option selected in *Auto Connection Setup* (page 86). The screen displays after selecting a server in the server list.

USB

Like navigating through the media servers, you can select the desired file contained in the device selected on the USB Devices List screen to start the corresponding player by pressing **ENTER**. You can also select the menu displayed on either "List", "Thumbnail" or "Thumbnail List" screen. Press **D** and select "Change view" from the Tool Menu.

Note

- The USB Devices List screen may not be displayed depending on the option selected in "Auto Connection Setup". "Single Server/USB" is selected for "Auto Connection Setup" by default. You don't need to select a device in the USB Devices List when you use a single directory device (USB flash drive).

My Playlist

Each category (Movie, Music and Photo) has five different Playlists in which you can register up to 100 files each. The My Playlist option can contain sound and image files selected in the "Media Navigator". To edit a Playlist, use the Tool Menu (page 74).

- 1 Press **HOME MEDIA GALLERY**.
 - The Home Media Gallery screen is displayed.
- 2 Select **"My Playlist"** (▲/▼ then **ENTER**).
- 3 Select a Playlist list from **"Movie Playlist"**, **"Music Playlist"** or **"Photo Playlist"** (▲/▼ then **ENTER**).

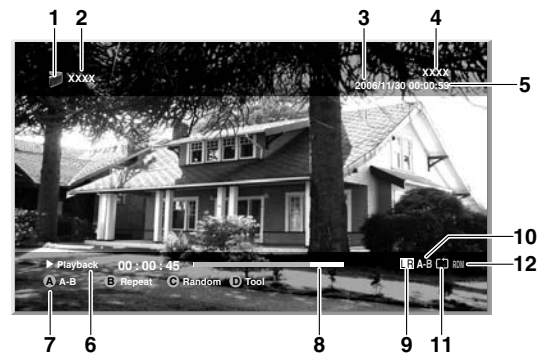
- 4 Select the desired content (◀/▶ or ▲/▼ then **ENTER**).
 - The menu can be displayed as a "List", "Thumbnail" or "Thumbnail List" screen. Press **D** then select "Change view" from the Tool Menu (▲/▼ then **ENTER**).
- 5 Press **ENTER** to play or display.
 - To return to the previous screen, press **RETURN**.
 - To exit Home Media Gallery, press **HOME MENU** or **HOME MEDIA GALLERY**.

Enjoying movie files

You can display the menu as a "List", "Thumbnail" or "Thumbnail List" screen. Press **D** then select an option under "Change view" on the Tool Menu. You can also navigate through the subsequent or preceding menu levels in the server or USB device by pressing ▲/▼/◀/▶/**ENTER**. When you select movie content from the server menu on the Media Navigator screen, the Movie Player automatically launches. Select a category, folder, or device to access the submenu containing the required file or content.

The Movie Player screen appears when you select a movie file from My Playlist, just like selecting a file in the server.

Screen Components



- 1 Movie icon
- 2 Title (Category or Folder name)
- 3 Date
- 4 Album name
- 5 Play time
- 6 Play status
- 7 Key guide
- 8 Progress bar
- 9 Audio mode icon
- 10 A-B repeat mode icon
- 11 Repeat mode icon
- 12 Random mode icon (appears when the mode is valid)

Movie Player key guide

ENTER:	Pauses while playback or plays back while in PAUSE
←:	Fast reverse during playback or when in PAUSE. Each press toggles the reverse speed between x 2, x 4, x 8, x 20, x 50, and x 100 or the slow mode speed between x 1/2, x 1/4, x 1/8, and x 1/16. When the beginning of the content is reached, it pauses.
→:	Fast forward while playback or PAUSE. Each press toggles the forward speed between x 2, x 4, x 8, x 20, x 50, and x 100 or the slow mode speed between x 1/16, x 1/8, x 1/4, and x 1/2. When the end of the content is reached, it pauses.
↑:	Skips 15 seconds backward and plays back or pauses while in PAUSE
↓:	Skips 15 seconds forward and plays back or pauses while in PAUSE
▶ (PLAY):	Plays back the content
⏸ (PAUSE):	Pauses the playback
■ (STOP):	Stops the Player and returns to the previous screen (List/Thumbnail/Thumbnail List)
▶▶ (FF):	Same as → (only fast forward function while in the slow mode)
◀◀ (RWD):	Same as ← (only fast reverse function while in the slow mode)
A (BLUE):	Sets A-B repeat mode. Sets the desired point A to start and B to end during playback. To cancel the mode, press A (BLUE) on the remote control.
B (RED):	Every press toggles the repeat mode between "No Repeat" and "Repeat Once" or between "No Repeat", "Repeat Once" and "Repeat All" while in Playlist
C (GREEN):	Available only in Playlist or "Consecutive Playback" mode. Every press toggles the random mode between "Random Off" and "Random On".
D (YELLOW):	Switches the Tool Menu display on and off. Even if the Tool Menu is displayed while content is played back, a movie is kept playing but the time counter and progress bar do not function.
INFO:	Displays the Player status at the bottom of the screen while a movie is played back. Another press of the key displays a key guide, as well. Pressing the key once more cancels all the information display.
MTS:	Every press of the key toggles the audio mode between "L + R", "L" and "R"
RETURN:	Same function as STOP
VOL+, VOL-:	Adjusts the sound volume
MUTING:	Mutes the sound
HOME MENU:	Quits Home Media Gallery and returns to the last entry screen.
HOME MEDIA GALLERY:	Quits Home Media Gallery and returns to the last entry screen.

Play modes

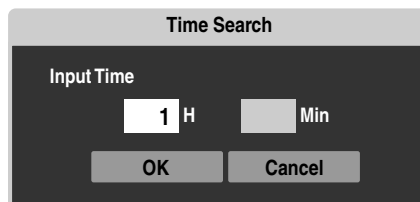
Time Search	(Tool Menu)	Plays back the selected content from the time preset on the Movie Player
Slow Playback	(Tool Menu)	Plays back the content in slow mode on the Movie Player
Add to My Playlist	(Tool Menu)	Adds the selected content to My Playlist List
Stop Movie Player	■ (STOP), RETURN	Stops the Movie Player
Fast Forward/ Fast Reverse	↔, ↔↔	See the key guide table
Forward/ Reverse (15 sec.)	↑/↓	See the key guide table
Play	ENTER, ▶ (PLAY)	See the key guide table
A-B Repeat Mode	A (BLUE)	See the key guide table
Repeat Mode	B (RED)	See the key guide table
Random Mode	C (GREEN)	See the key guide table
(Tool Menu)	D (YELLOW)	See the key guide table

Note

- Some functions may not be supported depending on the server type or version used.
- During playback, an error may arise in time-related information depending on the content or server software.
- Some functions may not be supported depending on the content.

Time Search

- 1 In playback mode or PAUSE, press D then select "Time Search" from the Tool Menu (↑/↓ then ENTER).**
 - A "Time Search" dialog screen appears.
- 2 Select "Hour" and/or "Minute" for "Input Time" (↑/↓ then ENTER).**
 - Enter the desired time using buttons **0** to **9**.



- 3 Press ENTER after the entry is complete.**
- 4 Select "OK" (↑/↓ then ENTER).**
 - The movie begins playing from the time you set.
 - To cancel the Time Search, select "Cancel" and press **ENTER**.

 **Note**

- This function may not be supported depending on the content or server software.
- An error may arise in time-related information depending on the content or server software.
- Only "Cancel" can be selected when you have entered a time exceeding the content's time range.

Slow Playback

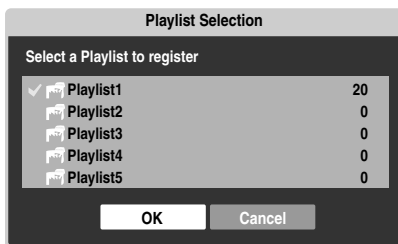
- 1 In playback mode or PAUSE, press D then select "Slow Playback" from the Tool Menu.**
- 2 Press ENTER.**
 - Slow playback begins.
 - You can change the playback speed by pressing \leftarrow/\rightarrow while in the slow mode.
 - To discontinue slow playback, press **ENTER** or **PLAY**. The system returns to the normal playback mode.

 **Note**

- This function may not be supported depending on the content.

Add to My Playlist

- 1 While navigating or playing, select the file to be added to My Playlist ($\uparrow/\downarrow/\leftarrow/\rightarrow$ then ENTER).**
- 2 Press D then select "Add to My Playlist" from the Tool Menu (\uparrow/\downarrow then ENTER).**
 - A "Playlist Selection" dialog screen appears.
- 3 Select a Playlist (\uparrow/\downarrow then ENTER).**
 - A check mark is provided beside the selected Playlist.
 - When you select a different Playlist and press **ENTER**, the mark jumps to the new Playlist from the previously selected one.



- 4 Select "OK" (\uparrow/\downarrow then ENTER).**
 - The file is added to the selected Playlist.
 - To cancel the operation, select "Cancel" then press **ENTER**.

Fast Forward/Fast Reverse

- 1 While playing content, press and hold \leftarrow for Fast Reverse or press and hold \rightarrow for Fast Forward.**

Forward/Reverse (15 sec.)

- 1 While playing content, press and hold \uparrow or \downarrow to jump backward or forward in 15-second increments.**

A-B Repeat Mode

- 1 While playing content, press A where you want repeat to start.**
- 2 Press A again where you want repeat to end.**
 - The Player status appears on the screen and the A-B mode icon changes.
 - The selected movie scenes are repeatedly played back.
 - To return to normal mode, press **A** again while in the A-B repeat mode.

 **Note**

- The A-B repeat function is only available during playback in normal mode.
- If the screen display doesn't match the player status, a malfunction may have occurred. Stop playback, then try the operation again.

Repeat Mode

- 1 While playing content in the Media Navigator or USB device, press B to select "Repeat Once".**
 - The title being played is repeated.
- 2 Press B again to cancel the repeat mode ("Repeat Off" is selected).**
 - After playing the currently selected title, the Player stops.

 **Note**

- When playing content in the Playlist, you can select from "Repeat Off", "Repeat All" (plays all items in the Playlist repeatedly) or "Repeat Once" (plays the content being watched repeatedly).

Random Mode

- 1 While playing content in the Playlist, press C to select "Random On".**
 - Random Repeat playback starts.
- 2 Press C again to cancel the random mode ("Random Off" is selected).**

 **Note**

- The Random Repeat mode is only available for content in the Playlist, or in "Consecutive Playback" mode.

Enjoying music files

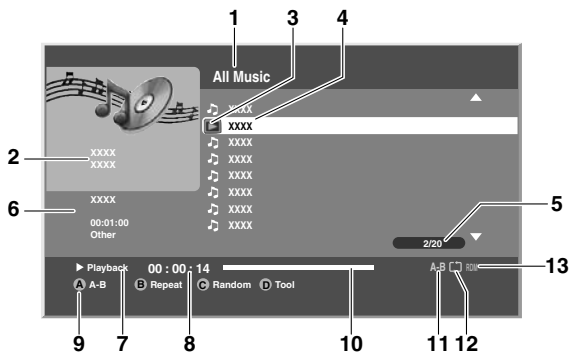
You can display the menu as a "List", "Thumbnail" or "Thumbnail List" screen. Press **D** then select an option under "Change view" on the Tool Menu. You can also navigate through the subsequent or preceding menu levels in the server or USB device by pressing **▲/▼/◀/▶/ENTER**.

When you select music content from the server menu on the Media Navigator screen, the Music Player automatically launches. Select a category, folder, or device to access the submenu containing the required file or content. The Music Player screen appears when you select a music file from My Playlist, just like selecting a file in the server.

Note

- The Music Player only displays a "List" screen.

Screen Components



- 1 Title (Category or Folder name)
- 2 Jacket image (Music icon)
- 3 Playing Music icon
- 4 Contents list
- 5 Number of items
- 6 Detailed display
- 7 Play status
- 8 Time counter
- 9 Key guide
- 10 Progress bar
- 11 A-B repeat mode icon
- 12 Repeat mode icon
- 13 Random mode icon

Music Player key guide

▲:	Moves up a cursor to a title above
▼:	Moves down a cursor to a title below
ENTER:	Plays back the selected music content. Pauses the music content being played if it is highlighted in the Playlist screen or plays the selected music content if different content is highlighted by pressing ▲/▼ .
◀:	Fast reverse during playback or when in PAUSE. Each press toggles the reverse speed between x 2, x 4, x 8, x 20, x 50, and x 100. When the beginning of the content is reached, it pauses.
▶:	Fast forward during playback or when in PAUSE. Each press toggles the forward speed between x 2, x 4, x 8, x 20, x 50, and x 100. When the end of the content is reached, it pauses.
RETURN:	Returns to the previous screen (List/Thumbnail/Thumbnail List). Content being played does not stop.
▶ (PLAY):	Plays back the selected content. Pauses while in playback and plays while in PAUSE.
 (PAUSE):	Pauses the playback
■ (STOP):	Stops the Player and does not return to the previous screen (Selecting the "Stop Music" from the Tool Menu also stops the Player.)
▶▶ (FF):	Same as ▶
◀◀ (RWD):	Same as ◀
A (BLUE):	Sets A-B repeat mode. Sets the desired point A to start and B to end during playback. To cancel the mode, press A (BLUE) on the remote control.
B (RED):	Every press toggles the repeat mode between "No Repeat", "Repeat Once" and "Repeat All"
C (GREEN):	Every press toggles the random mode between "Random Off" and "Random On"
D (YELLOW):	Displays the Tool Menu. Even if the Tool Menu is displayed while content is played back, music is kept playing but the time counter and progress bar do not function.
PAGE+, PAGE-:	Available only when there are one or more pages in the content. Change the pages back and forth.
VOL+, VOL-:	Adjusts the sound volume
MUTING:	Mutes the sound
HOME MENU:	Quits Home Media Gallery and returns to the last entry screen
HOME MEDIA GALLERY:	Quits Home Media Gallery and returns to the last entry screen.

Note

- Files may not be played back properly depending on the content.

Play modes

Add to My Playlist	(Tool Menu)	Adds the selected content to My Playlist List
Time Search	(Tool Menu)	Plays back the selected content from the time preset on the Music Player
Stop Music	(Tool Menu), ■ (STOP)	Stops the Music Player
Fast Forward/ Fast Reverse	↔/↔, ↔↔/↔↔	See the key guide table
Moves Up/Down a cursor	↑/↓	See the key guide table
Play	ENTER, ▶ (PLAY)	See the key guide table
A-B Repeat Mode	A (BLUE)	See the key guide table
Repeat Mode	B (RED)	See the key guide table
Random Mode	C (GREEN)	See the key guide table
(Tool Menu)	D (YELLOW)	See the key guide table

- Setup procedures for the above play modes are the same as for the Movie Player.
- Refer to page 74 for the color button **D** (Tool Menu).

Note

- Some functions may not be supported depending on the server type or version used.
- Playback continues even when you move from the Player screen to the previously selected screen by pressing **RETURN**.

A-B Repeat Mode

- 1 While playing content, press **A** where you want repeat to start.
- 2 Press **A** again where you want repeat to end.
 - The Player status appears on the screen and the A-B repeat mode icon changes.
 - The selected part of the title is repeatedly played back.
 - To return to normal mode, press **A** again while in the A-B repeat mode.

Note

- The A-B repeat function is only available during playback in normal mode.

Repeat Mode

- 1 While playing content in the Media Navigator, USB device or Playlist, press **B** to select "Repeat All".
 - All titles in the folder or Playlist are played repeatedly.
- 2 Press **B** again to cancel the repeat mode ("Repeat Once" is selected).
 - The title being played is repeated.
- 3 Press **B** once more to cancel the repeat mode ("Repeat Off" is selected).
 - After playing the currently selected title, the Player stops.

Random Mode

- 1 While playing content in the Playlist, press **C** to select "Random On".
 - Random Repeat playback starts.
- 2 Press **C** again to cancel the random mode ("Random Off" is selected).

Enjoying photo files

You can display the menu as a "List", "Thumbnail" or "Thumbnail List" screen. Press **D** then select an option under "Change view" on the Tool Menu. You can also navigate through the subsequent or preceding menu levels in the server or USB device by pressing **↑/↓/↔/↔/ENTER**.

When you select photo content from the server menu on the Media Navigator screen, the Photo Player automatically launches. The selected content is displayed in full screen by pressing **ENTER**. Select a category, folder or device to access the submenu containing the required file or content.

Pressing **ENTER** again allows a slideshow to begin. After a slideshow launches, pressing **ENTER** toggles between "PLAY" and "PAUSE". Instead of pressing **ENTER** twice, you can press **PLAY** to start the slideshow immediately.

The Photo Player screen appears when you select a photo file from My Playlist, just like selecting a file in the server.

Screen Components



- 1 Photo icon
- 2 Title (Category or Folder name)
- 3 Album name
- 4 Date
- 5 Number of items
- 6 Play status
- 7 Key guide
- 8 Progress bar
- 9 Repeat mode icon
- 10 Random mode icon

Photo Player key guide

ENTER:	Starts displaying a photo or playing a slideshow. Pauses while playback or plays back while in PAUSE.
RETURN:	Stops the Player and returns to the previous screen (List/Thumbnail/Thumbnail List)
←, ↑:	Displays the previous image content
↓, →:	Display the next image content
▶ (PLAY):	Plays a slideshow
⏸ (PAUSE):	Pauses the slideshow
■ (STOP):	Stops the Player and returns to the previous screen (List/Thumbnail/Thumbnail List)
▶▶ (FF):	Rotates the image 90° clockwise. Each press toggles the rotation angle by 90° between 90°, 180°, 270° and 0°.
◀◀ (RWD):	Rotates the image 90° counter-clockwise. Each press toggles the rotation angle by 90° between 270°, 180°, 90°, and 0°.
A (BLUE):	Rotates the image 90° clockwise. Each press toggles the rotation angle by 90° between 90°, 180°, 270° and 0°.
B (RED):	Every press toggles the repeat mode between "No Repeat" and "Repeat All"
C (GREEN):	Every press toggles the random mode between "Random Off" and "Random On"
D (YELLOW):	Displays the Tool Menu. If the Tool Menu is displayed while a slideshow is played, the slideshow and BGM are paused.
INFO:	Displays the Player status at the bottom of the screen while image content is played. Another press of the key displays a key guide, as well. No Player information is displayed when an image is shown in full screen (no slideshow has been started). Other information may display. Pressing the key once more cancels all the information display.
VOL+, VOL-:	Adjusts the sound volume
MUTING:	Mutes the sound
HOME MENU:	Quits Home Media Gallery and returns to the last entry screen.
HOME MEDIA GALLERY:	Quits Home Media Gallery and returns to the last entry screen.

Play modes

BGM Setup	(Tool Menu)	Sets up BGM
Slide Show Setup	(Tool Menu)	Allows various slideshow setups on the Photo player
Add to My Playlist	(Tool Menu)	Adds the selected content to My Playlist List
Stop Photo Player	■ (STOP), RETURN	Stops the Photo Player
Move File Forward/Backward	(←/→/↑/↓)	See the key guide table
Slideshow	ENTER, ▶ (PLAY)	See the key guide table
Rotate	A (BLUE), ◀◀/▶▶	See the key guide table
Repeat Mode	B (RED)	See the key guide table
Random Mode	C (GREEN)	See the key guide table
(Tool Menu)	D (YELLOW)	See the key guide table

- Setup procedures for the above play modes are the same as for the Movie Player.
- Refer to page 74 for the color button **D** (Tool Menu).

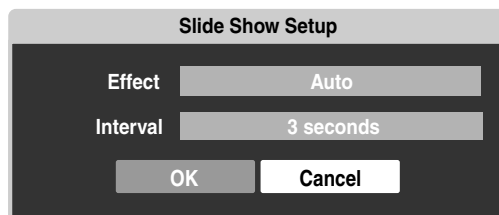
Note

- Some functions may not be supported depending on the server type or version used.
- In rare cases, the image on the screen may appear jagged when photo content is selected directly from a USB device. If this is the case, the problem may be solved by viewing the photo content through the network after having transferred it to the server PC.
- Even with the supported format, files may not be played properly depending on the content.

Setting up the slideshow

You can enjoy a slideshow with music in the background. To activate this feature, you must register music content in My Playlist List beforehand (see *My Playlist* on page 75 and *Setting up BGM for the slideshow*).

- Press HOME MEDIA GALLERY.**
 - The Home Media Gallery screen is displayed.
- Select "Media Navigator" (↑/↓ then ENTER).**
- Press D.**
 - A pop-up screen of the Tool Menu appears.
- Select "Slide Show Setup" (↑/↓ then ENTER).**
- Select the desired setup item (↑/↓ then ENTER).**
- Enter the setting in the "Effect" or "Interval" box (↑/↓ then ENTER).**
 - Repeat steps 5 and 6 to enter another setup.



- Select "OK" (↑/↓ then ENTER).**
 - The slideshow setup finishes.

Note

- After setting the "Interval" time, it may take longer than the preset time as the "Interval" time means the time up until the Home Media Gallery starts obtaining the next image. Key operations may not work while obtaining the next image.

Setting up BGM for the slideshow

- Press HOME MEDIA GALLERY.**
 - The Home Media Gallery screen is displayed.
- Select photo content in the Media Navigator, USB device or My Playlist (↑/↓/←/→ then ENTER).**
 - The Photo Player launches and photo content is displayed in full screen.

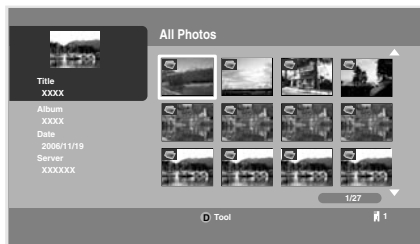
- 3 Press **D** then select "BGM Setup" from the Tool Menu (▲/▼ then ENTER).
 - A "BGM Setup" dialog screen appears.
- 4 Select a Playlist from the list as BGM (▲/▼ then ENTER).
 - A check mark is provided beside the selected Playlist.
 - When you select a different Playlist and press **ENTER**, the mark jumps to the new Playlist from the previously selected one.



- 5 Select "BGM ON", "BGM ON (Random)" or "BGM OFF" from the BGM status box (▲/▼ then ENTER).
- 6 Select "OK" (▲/▼ then ENTER).

Starting the slideshow

- 1 Press **HOME MEDIA GALLERY**.
 - The Home Media Gallery screen is displayed.
- 2 Select a folder containing photo content (▲/▼ then ENTER).
 - The Thumbnail screen is displayed (Thumbnail List or List screen is displayed depending on the setting).
- 3 Select the desired photo file from the Thumbnail screen (◀/▶/▲/▼ then ENTER).
 - The photo content is displayed in full screen.
 - You can start a slideshow by pressing ▶ (Play) on the Thumbnail screen.



- 4 Press **ENTER** or ▶ (Play) to start a slideshow.
 - The slideshow starts and photo images in the folder automatically display one by one. See "Setting up the slideshow" (page 80) for setting up the interval time.
 - To display a key guide, press **INFO**.
 - To display the next image content manually, press ▼ or ▶.
 - To display the previous image content manually, press ◀ or ▲.

- 5 Press **ENTER** or || (Pause) to stop the slideshow.
 - The Photo Player goes into "PAUSE".
- 6 Press **ENTER** again to resume the slideshow.
 - To cancel the slideshow and stop the Photo Player, press **RETURN** or ■ (Stop) during the playback. The previous screen returns.

Note

- When you press ▲/▼/◀/▶, ◀◀/▶▶ while photo content is displayed, the Photo Player goes into "PAUSE".

Rotating the image

- 1 Press **HOME MEDIA GALLERY**.
 - The Home Media Gallery screen is displayed.
- 2 Select photo content in the Media Navigator, USB device or My Playlist (▲/▼/◀/▶ then ENTER).
 - The photo content is displayed in full screen.
 - To stop the slideshow, press **ENTER** again.
- 3 Press **ENTER** or ▶ (Play) to start a slideshow.
 - The slideshow starts and photo images in the folder automatically display one by one.
 - To display a key guide, press **INFO**.
- 4 While using Photo Player, press **A** to rotate a photo.
 - The displayed image rotates by one quarter clockwise. Each time **A** is pressed, the image rotates; 90°, 180°, 270° and "Rotate Off".
 - The Photo Player goes into "PAUSE" (the slideshow is in Stop mode).
- 5 Press **ENTER** again to resume the slideshow.
 - The selected rotation mode is only effective for the image being displayed. The default setting ("Rotate Off") returns when you move and display content on a different screen.

Repeating the slideshow

- 1 While playing a slideshow, press **B** to select "Repeat Once".
 - The slideshow being played is repeated.
- 2 Press **B** again to cancel the repeat mode ("Repeat Off" is selected).
 - After playing the currently selected slideshow, the Player stops.

Playing the slideshow at random

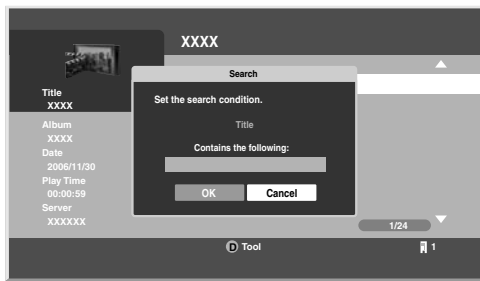
- 1 While playing a slideshow, press **C** to select "Random On".
 - Random Repeat playback starts.
- 2 Press **C** again to cancel the random mode ("Random Off" is selected).

Other useful functions

Search

You can search the desired items contained in the Folder or Contents List by word. Searched results are displayed on the screen.

- 1 Press **HOME MEDIA GALLERY**.
 - The Home Media Gallery screen is displayed.
- 2 Select the desired folder and/or content in the Media Navigator (**↑/↓/←/→** then **ENTER**).
- 3 Press **D** then select “Search” from the Tool Menu (**↑/↓** then **ENTER**).
 - A “Search” dialog screen appears.
- 4 Select the “Contains the following” box in “Set the search condition:” (**↑/↓** then **ENTER**).
 - The software keyboard appears on the screen.



- 5 Enter the word for search on the software keyboard (**↑/↓/←/→** then **ENTER**).
- 6 Select “OK” on the software keyboard (**↑/↓** then **ENTER**).
 - The software keyboard disappears.
 - To cancel the search, select “Cancel” then press **ENTER**.
- 7 Select “OK” on the “Search” dialog screen (**↑/↓** then **ENTER**).
 - The searching starts based on the word entered and search results are displayed.
 - Even while searching, you can select content to play. To return to the search screen, press **RETURN** during playback.
- 8 Press **RETURN** to cancel the search mode.

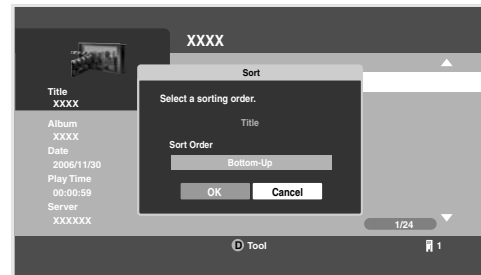
Note

- Search may not be available depending on the server used.

Sort

You can sort the items contained in the Folder or Contents List.

- 1 Press **HOME MEDIA GALLERY**.
 - The Home Media Gallery screen is displayed.
- 2 Select the desired folder and/or content in the Media Navigator (**↑/↓/←/→** then **ENTER**).
- 3 Press **D** then select “Sort” from the Tool Menu (**↑/↓** then **ENTER**).
 - A “Sort” dialog screen appears.
- 4 Select “Bottom-Up” or “Top-Down” in the “Sort Order” box (**↑/↓** then **ENTER**).



- 5 Select “OK” on the “Sort” dialog screen (**↑/↓** then **ENTER**).
 - The sorting starts based on your selection and sort results are displayed.
 - Even while sorting, you can select content to play. To return to the sort screen, press **RETURN** during playback.
- 6 Press **RETURN** to cancel the sort mode.

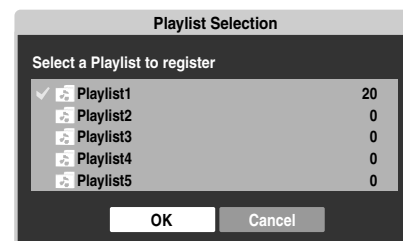
Note

- The “Select a sorting order.” screen can be displayed while navigating through the music categories.

Adding files to My Playlist

The Home Media Gallery function provides “My Playlist” - a self-contained play list that allows you to bookmark your favorite movie, music and photo files from the network. You can register, edit, and sort up to 100 files in each Playlist List.

- 1 Press **HOME MEDIA GALLERY**.
 - The Home Media Gallery screen is displayed.
- 2 Select “Media Navigator” (**↑/↓** then **ENTER**).
- 3 Select the desired music content to add to “My Playlist” (**↑/↓** then **ENTER**).
- 4 Press **D** to open the Tool Menu.
 - A dialog screen appears.



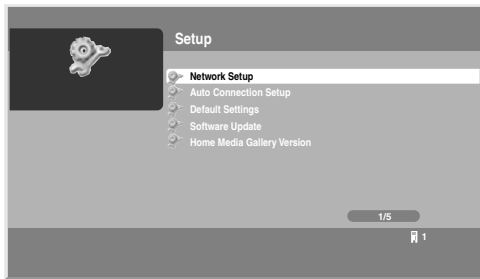
- 5 Press **ENTER**.
 - A check mark is provided in the box at the selected Playlist List.
- 6 Press **↓** to select **"OK"**.
- 7 Press **ENTER**.
 - The selected content is added to the Playlist.

 **Note**

- When giving a slideshow of photo content, you can use Music Playlist as for background music.

 **Setup**

The "Setup" is used for "Network Setup", "Auto Connection Setup", "Default Settings", "Software Update" and "Home Media Gallery Version".



- 1 Press **HOME MEDIA GALLERY**.
 - The Home Media Gallery screen is displayed.
- 2 Select **"Setup"** (**↑/↓** then **ENTER**).
- 3 Select **"Network Setup"**, **"Auto Connection Setup"**, **"Default Settings"**, **"Software Update"** and **"Home Media Gallery Version"** (**↑/↓/←/→** then **ENTER**).

"Network Setup"

When you select "Network Setup" from the "Setup" menu, a submenu is displayed to select "Auto" or "Manual" for network connections.

To automatically set:

The following setup is effective for "Auto" only. To perform the procedure, DHCP on your server or router must be valid.

- 1 Select **"Automatically acquire IP"** then press **ENTER**.
- 2 Select **"Yes"** (**↑/↓** then **ENTER**).
- 3 Select **"OK"** (**↑/↓/←/→** then **ENTER**).
 - A restart dialog screen appears.
- 4 Press **ENTER** again on the dialog screen.
 - The setup finishes.
 - The system restarts then the Home Media Gallery screen returns.

To manually set:

Before setting up, check your media server for IP Address and Subnet mask.

- 1 Select **"Automatically acquire IP"** then press **ENTER**.
- 2 Select **"No"** (**↑/↓** then **ENTER**).
- 3 Select the setup item's box (**↑/↓/←/→** then **ENTER**).
 - The screen turns to entry mode for "IP Address" and "Subnet mask".
 - No need to enter "Default Gateway" and "DNS Server".
- 4 Enter the figures using buttons **0** to **9**.
 - Subnet mask (such as 255.255.255.0)
Enter the same figures as you checked.
 - IP Address (such as 192.168.201.***)
Enter the same figures as used in the media server (PC, etc.) you use. For ***, enter 3-digit figures (0 – 254) that have not been used for network connections yet.
- 5 Press **ENTER** on the setup item's box after the entry is complete.
 - The screen turns to setup selection mode.
 - Repeat steps 2 to 4 to complete the necessary setup.
- 6 Select **"OK"** (**↑/↓/←/→** then **ENTER**).
 - A restart dialog screen appears.
- 7 Press **ENTER** again on the dialog screen.
 - The setup finishes.
 - The system restarts then the Home Media Gallery screen returns.

"Auto Connection Setup"

When you enjoy content on the network, you can select from the following options: "Last Connected Server" and "Single Server/USB". See "Auto Connection Setup" on page 86.

"Wake on LAN (WOL)" functions to turn the last accessed server's power on if the server is WOL-compliant and is in Standby or sleep mode, then display the Media Navigator screen. During the WOL is activated, the "Start Server" dialog screen displays and a message "The server is starting up." appears. If the server is not WOL-compliant or the WOL function fails, the "Start Server" dialog appears on the "Server List" screen and a message "Failed to start server." displays on the dialog screen.

For USB content, the Device List is displayed on the screen if you have not checked in the "Single Server/USB" box after selecting "Setup" and then "Auto Connection Setup". You can select the desired device and then content in it. If you have checked in the box, the list is skipped (default setting) and you can see the folder(s) or file(s) in the USB device that has a single directory.

"Default Settings"

Setups you have entered within the Home Media Gallery function return to default. When you select "Reset", a confirmation screen "To activate the default settings, restart Home Media Gallery." will appear. Press **ENTER** to reset to default. When you select "Cancel", the previous screen displays (**←/→** then **ENTER**).

“Software Update”

Select “Next” to follow the procedure on the subsequent screens or “Cancel” to return to the previous screen (←/→ then **ENTER**). When update is completed, a confirmation message “To activate the updated software, restart Home Media Gallery.” appears. See “Software Update” on page 85.

“Home Media Gallery Version”

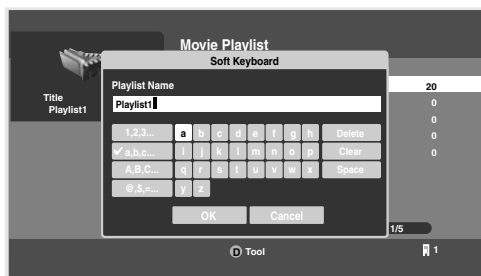
You can confirm the version and copyright information on the Home Media Gallery software. Select “OK” to return to the previous screen (**ENTER**).

Editing files in My Playlist

- 1 Press **HOME MEDIA GALLERY**.
 - The Home Media Gallery screen is displayed.
- 2 Select “My Playlist” (↑/↓ then **ENTER**).
- 3 Select “Movie Playlist”, “Music Playlist” or “Photo Playlist” from the Playlist category (↑/↓ then **ENTER**).
 - Five playlists are displayed.
 - Press **D** to open the Tool Menu and select an item on this screen or next contents list screen (↑/↓ then **ENTER**).
 - Check the appropriate box: “Change Name”, “Move” or “Delete from My Playlist” (←/→/↑/↓ then **ENTER**).

“Change Name”

- 1 Select “Change Name” from the Tool Menu.
 - A dialog screen appears.
- 2 Select “Playlist Name” (↑ then **ENTER**).
 - The software keyboard appears.
- 3 Select “OK” on the software keyboard (←/→/↑/↓ then **ENTER**).
 - The software keyboard disappears and “Playlist Name” in the “Change Name” dialog screen returns.
- 4 Select “OK” when the new name is entered (↑/↓ then **ENTER**).
 - The editing finishes and “Change Name” dialog screen disappears.
 - The new Playlist displays.



- The on-screen keyboard (“Software Keyboard”) is displayed only when you select “Search” or “Change Name”.

“Move”

You can change the listing order of the content registered in My Playlist.

- 1 Select “Move” from the Tool Menu.
 - The content selected is placed in a yellow box (“Source Selection” mode).
- 2 Select the desired content (↑/↓ then **ENTER**).
 - The selected content is highlighted in the yellow box. A specific icon appears on the left (“Destination Selection mode”).
- 3 Press ↑/↓ to move the content up or down, then **ENTER**.
 - The highlight in the yellow box disappears and the specific icon returns to the original one.
 - Repeat steps 2 and 3 to move another content.
- 4 Press **RETURN**.
 - A “Playlist” dialog screen appears.
- 5 Select “OK” (↑/↓ then **ENTER**).
 - The dialog screen disappears and moving content finishes.
 - To cancel, select “Cancel” then **ENTER**.

“Delete from My Playlist”

- 1 Select “Delete from My Playlist” from the Tool Menu.
 - A dialog screen appears.
- 2 Select “OK” (←/→ then **ENTER**).
 - The dialog screen disappears and the selected content is deleted from My Playlist.
 - To cancel, select “Cancel” then **ENTER**.

Playing/displaying files from My Playlist

- 1 Press **HOME MEDIA GALLERY**.
 - The Home Media Gallery screen is displayed.
- 2 Select “My Playlist” (↑/↓ then **ENTER**).
- 3 Select the desired Playlist from “Movie Playlist”, “Music Playlist” or “Photo Playlist”.
- 4 Select the desired Playlist List (↑/↓ then **ENTER**).
- 5 Select the desired content (↑/↓/←/→ then **ENTER**).
 - The selected content is played or displayed.
 - To return to the previous screen, press **RETURN**.

Switching the server

When one or more servers are connected within the network, you can switch between servers.

- 1 Press **HOME MEDIA GALLERY**.
 - The Home Media Gallery screen is displayed.
- 2 Select “Media Navigator” (↑/↓ then **ENTER**).
 - The previous server is selected.
- 3 Press **D** to open the Tool Menu.
- 4 Choose “Select Server” (↑/↓ then **ENTER**).
 - The Server List is displayed.
 - Pressing **RETURN** changes the screen to the Home Media Gallery.

5 Select the desired server (▲/▼ then ENTER).

- The screen changes to "Media Navigator" on the selected server.

Note

- The Home Media Gallery can memorize previously connected servers. When the Media Navigator is launched, available servers are automatically searched and connected. To switch between connected servers, choose server to another one, select "Select Server" from the Tool Menu.
- If a previously connected server can not be found or if the server is in the sleep mode, the server name is dimmed (grayed out).
- In some cases, you may be able to start a media server if it supports "Wake On LAN". Select the server and press **ENTER** to transmit a "Wake On LAN" command to the selected server.
- You cannot select a server unless that media server has been set up.

Resetting to default

You can reset the setups you have entered within the Home Media Gallery function to default (See "Default Settings" on page 83).

1 Press HOME MEDIA GALLERY.

- The Home Media Gallery screen is displayed.

2 Select "Setup" (▲/▼ then ENTER).

3 Select "Default Settings" (▲/▼ then ENTER).

4 Select "Reset" (←/→ then ENTER).

- A restart dialog screen appears.

5 Press ENTER on the dialog screen.

- The setup finishes.
- The system restarts then the Home Media Gallery screen returns.

Other convenient features

Screen saver

During navigation, the screen saver launches automatically if no activity is sensed within five minutes.

- No screen saver is available while a movie or slideshow is played.
- Pressing any key cancels screen saver. When canceled with a USB device being connected, connecting operation resumes.

Note

- Pressing **INFO** to display the Player status or key guide before screen saver is activated may cause image retention to appear.
- **Do not display the Player status and key guide for an extended period of time while playing a movie or slideshow.**

Software Update

Software update is available on the Pioneer website (<http://www.pioneerelectronics.com>). Make sure that you have a USB flash drive. First download the software according to the guidelines on the website and perform the following to update the software.

Downloading the software for update

Perform the following procedure to download the software onto your computer and copy it onto a USB flash drive.

1 Download the software.

2 Extract the downloaded file.

- The file extracts to a folder named "updater".

3 Plug a USB flash drive into your PC and copy the extracted folder onto it.

- All the files and subfolders inside "updater" are copied into the root directory of your USB flash drive.

Note

- If you change any of the names of the files or folders, updating may not work properly.
- A ZIP compressed file cannot be used to update your software. Make sure to decompress the file before copying it to the USB flash drive. Software to decompress ZIP files is not supplied with the plasma display. The software is available on the Internet.

Confirming the existing Home Media Gallery version

Be sure to check the version of the software you are using before updating the software. You can check it with the following procedure.

1 Press HOME MEDIA GALLERY.

- The Home Media Gallery screen is displayed.

2 Select "Setup" (▲/▼ then ENTER).

3 Select "Home Media Gallery Version" (▲/▼ then ENTER).

- Jot down the Home Media Gallery Version displayed in the screen.

Ex.) software Version: 1.0.xxx

4 Select "OK" to return to the previous screen (ENTER).

Updating the software

Then perform the following procedure to update the software. Do not turn the system off until the procedure is complete.

1 Press HOME MEDIA GALLERY.

- The Home Media Gallery screen is displayed.

2 Select "Setup" (▲/▼ then ENTER).

3 Select "Software Update" (▲/▼ then ENTER).

- A "Software Update" submenu appears.

4 Remove the USB flash drive from your PC and plug it into the plasma display.

5 Select "Next" (←/→ then ENTER).

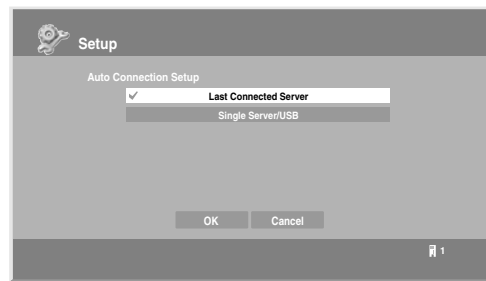
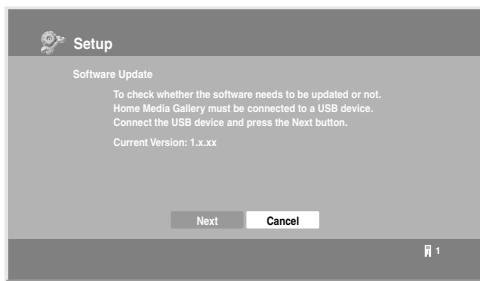
- The next screen appears. Complete the procedure following the guidelines on the screen.

6 Press ENTER after the following steps are complete: "Download", "Write" and "Verify"

- A restart dialog screen appears.

7 Press ENTER after reading a notice on the screen.

- The system is restarted then the Home Media Gallery screen returns.
- Software update finishes.
- You can remove the USB flash drive from the plasma display.



Note

- Be sure to check that the version of the software has been changed by comparing with the one written down after updating the software (the procedure to check it is the same as above.). If it has not changed, the update may have failed. Please attempt the update again (the existing software can be used if the update fails). If you still cannot update the software after retrying, the file may have been damaged. Please return to the procedure for *Downloading the software for update*.
- On average, it may take 15 minutes or more to complete a software update.
- If you attempt a software update during the multiscreen mode, the single screen automatically returns.

“Auto Connection Setup”

For extra convenience, you can toggle between the following features:

“Last Connected Server” When you check in the “Last Connected Server” box, the plasma display accesses the last server using WOL (“Wake On LAN”) first as the Media Navigator is selected from the Home Media Gallery. The Media Navigator displays the last server when WOL succeeds, while a server list is displayed when WOL fails. WOL is activated to turn the last accessed server On if the server is WOL-compliant and is in Standby or sleep mode.

“Single Server/USB” This function is used only when a USB flash drive or a single server is connected. You do not need this function when a multi-card reader, or two or more servers are connected.
USB:

- When USB flash drive is connected, the Devices List is skipped as long as you have checked in the “Single Server/USB” box. If not, the list may be displayed at any time.

Media Navigator (Server):

- When a single server is connected, the Server List is skipped as long as you have checked in the “Single Server/USB” box. If not, the list may be displayed at any time. When the “Last Connected Server” box is checked, the other server setup option – “Single Server/USB” – becomes invalid.

Dialog Screen Message

No.	Message	Problem
001	Content playback failed (001).	No details are available for the error
100	A communication error occurred (100).	No further details are available for the error
101	No response from the server (101).	Timeout period reaches due to delayed server response
102	Disconnected from the network (102).	Cables are disconnected
103	Invalid response was received from the server (103).	Invalid response from the server
300	This format is not supported (300).	A file that is not supported is selected
500	Authorization failed (500).	Failed to obtain WMDRM authorization
501	Authorization failed (501).	Failed to obtain WMDRM authorization
503	Authorization failed (503). Please check for trouble in routers, hubs, and other network devices.	Failed to obtain WMDRM authorization
504	Authorization failed (504). The maximum allowed number of devices are connected to the server.	Failed to obtain WMDRM
505	Authorization failed (505). The content license is off. Please turn on the license from the server.	Failed to obtain WMDRM authorization

- The message consists of “Error”, “Warning” and “Information” and is displayed for 5 seconds.

Displaying pictures in the Home Media Gallery for an extended period may cause an after-image.

Glossary

Default Gateway

Default gateway is a node on a computer network that serves as an access point to another network. A default gateway (such as a computer and router) is used to forward all traffic that is not addressed to a station within the local subnet.

DHCP (Dynamic Host Configuration Protocol) Server

Provides a mechanism to allocate IP addresses to client hosts. In most cases, a broadband router serves as a DHCP server in a home network.

DLNA (Digital Living Network Alliance)

The DLNA authorized logo makes it easy for consumers to recognize products that meet the new standard for home network PCs and other digital devices, as set down in the DLNA Guidelines for interoperability. This allows music, video, etc. to be enjoyed from various devices over a home network. This unit is compatible with music, photo and video content, and is based on the DLNA Home Networked Device Interoperability Guidelines v1.0. This unit can be used to playback music, photos and video stored on a DLNA-compatible server connected through a LAN cable.

Digital Living Network Alliance (DLNA) is dedicated to the simplified sharing of digital content, such as digital music, photos and video among networked consumer electronics (CE) and PCs. By establishing a platform of interoperability based on open industry standards, DLNA delivers technical design guidelines that companies can use to develop digital home products that share content through wired or wireless networks in the home.

DNS (Domain Name Service) Server

DNS Server is a server that determines the name of network-computer within the Internet. The server functions to exchange IP address to the hostname, hostname to the IP address.

Ethernet

A frame-based computer networking technology for local area networks (LANs). The plasma display supports 100BASE-TX.

IP (Internet Protocol) Address

A unique number that devices use in order to identify and communicate with each other on a network utilizing the Internet Protocol standard, such as "192.168.1.xxx". No duplicate numbers are allowed within the network.

LAN Cable

A cable that has an eight-pin modular plug on each end and is different from a telephone plug which has four pins. A straight cable is used when connecting the plasma display to a home network via a hub. A cross-over cable is used when connecting directly to a PC. Use category 5 (CAT-5) LAN cables.

MAC (Media Access Control) Address

An address attached to the port of any network device with an IP address. The MAC address is expressed as "00:e0:36:01:23:xx" and cannot be changed.

Mass Storage Class devices

The standard provides an interface to a variety of storage devices, such as USB flash drive and digital cameras.

PlaysForSure

This unit incorporates PlaysForSure. "PlaysForSure" is a new logo program from Microsoft Corporation. You can check for the PlaysForSure logo at various online stores. Where you see the PlaysForSure logo, you can be sure that the digital media you are purchasing (music, video, pictures) will play on this unit.

Subnet mask

Used when IP addresses are broken into several parts. It is expressed as "255.255.255.0". In most cases, the Subnet mask is automatically assigned by the DHCP server.

UPnP (Universal Plug and Play)

Architecture for pervasive peer-to-peer network connectivity of devices of all form factors. It is designed to bring easy-to-use, flexible, standardsbased connectivity to ad-hoc or unmanaged networks whether in the home, in a small business, public spaces, or attached to the Internet.

USB (Universal Serial Bus)

USB provides a serial bus standard for connecting devices, usually to computers such as PCs. The plasma display supports the Mass Storage Class.

Windows Media Connect

Microsoft Windows Media Connect is a new technology to distribute music, photos and video stored on a PC with Windows XP installed to a stereo system of TV. Using this technology you can playback files stored on the PC from various devices wherever you like in your home.

Windows Media DRM

Windows Media DRM is copyright protection technology developed by Microsoft Corporation. It enables content providers to distribute over the Internet music, video and other digital media content in a protected, encrypted file format.

Windows Media Player

A free digital media player application provided by Microsoft that is used for playing audio, video and images on PCs.

Windows Media Player 11

The functionality of Windows Media Connect has been integrated into this version of Windows Media Player. After installing Windows Media Player 11 Windows Media Connect will not function. See Microsoft's website for details.

Chapter 13 Using the HDMI Control

Using the HDMI Control functions

You can operate such Pioneer devices as a recorder, player or AV system support the HDMI Control functions using the remote control of the plasma display.

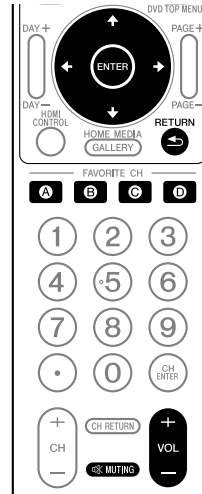
The HDMI Control functions include playback of content using on-screen control panel on the plasma display. For details, see the table below.

Note

- Maximum number of devices that can be connected and controlled using the remote control unit of the plasma display is as follows: recorder x 2, player x 2, AV system x 1.
- Not all device operations may be available for HDMI Control functions.

HDMI Control functions

Function	Description	Usable devices
Playback of content	The proper input source is automatically selected and the content is played back on the plasma display as you press PLAY on the connected device	Recorder/player
On-screen control	Recorder/player operation can be controlled on-screen or with the remote control unit of the plasma display (play, stop, fast forward/reverse, etc.)	Recorder/player
Display Language Setup	Information on the display menu language is transferred to the recorder or player connected to the plasma display. For details, see the operation manual that came with the recorder or player.	Recorder/player
AV system control	Receiver/amplifier operation can also be controlled with the remote control unit of the plasma display (volume, surround mode and input selection of the HDMI terminal)	AV system
Power On	The plasma display can be turned On when the connected recorder(s) or player(s) is turned On and images are input to the plasma display.	Recorder/player
Power Off	The connected device(s) can be turned Off when the plasma display is turned Off	Recorder/player/AV system



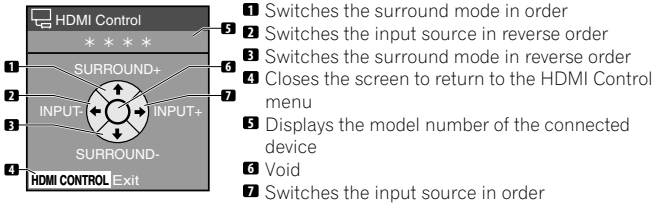
- Press **VOL +/-** or to adjust volume for the AV system.
- Press **↑, ↓, ←, →, ENTER, RETURN** () or color (**BLUE, RED, YELLOW, GREEN**) buttons to use functions such as the disc navigator on the connected recorder or player.

Note

- When using the HDMI Control functions, operate the remote control unit while pointing it toward the remote control sensor () located at the bottom right of the front panel of the plasma display.
- You cannot use two or more HDMI terminals at the rear of the plasma display at the same time except "Power Off" and "Display Language Setup" functions.

On-screen control panel

For an AV system

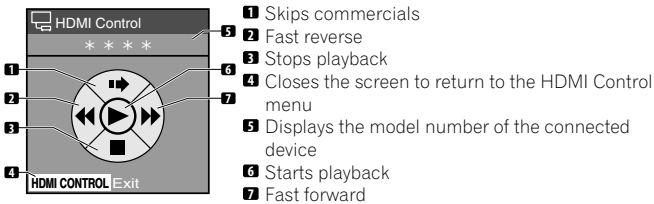


Press **↑** or **↓** on the remote control unit of the plasma display to switch the surround mode in order or in reverse order, **←** or **→** to switch the input source in order or in reverse order. Pressing **HDMI CONTROL** turns the control panel screen off to return to the HDMI Control menu.

Note

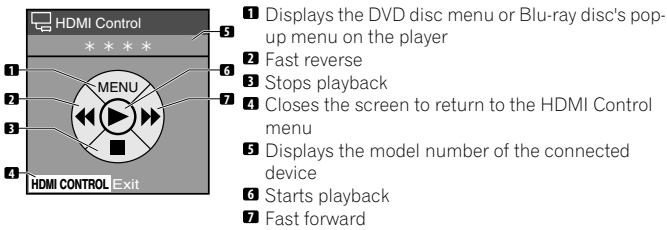
- You cannot operate the recorder/player when you press **←** or **→** to switch the input source during operation. To resume the operation, return to the HDMI Control menu and select the desired function again.

For a recorder



Press **←** or **→** on the remote control unit of the plasma display to select fast reverse or fast forward mode, **↑** to skip commercials or **↓** to stop playback. Pressing **ENTER** starts playback and **HDMI CONTROL** turns the control panel screen off to return to the HDMI Control menu.

For a player



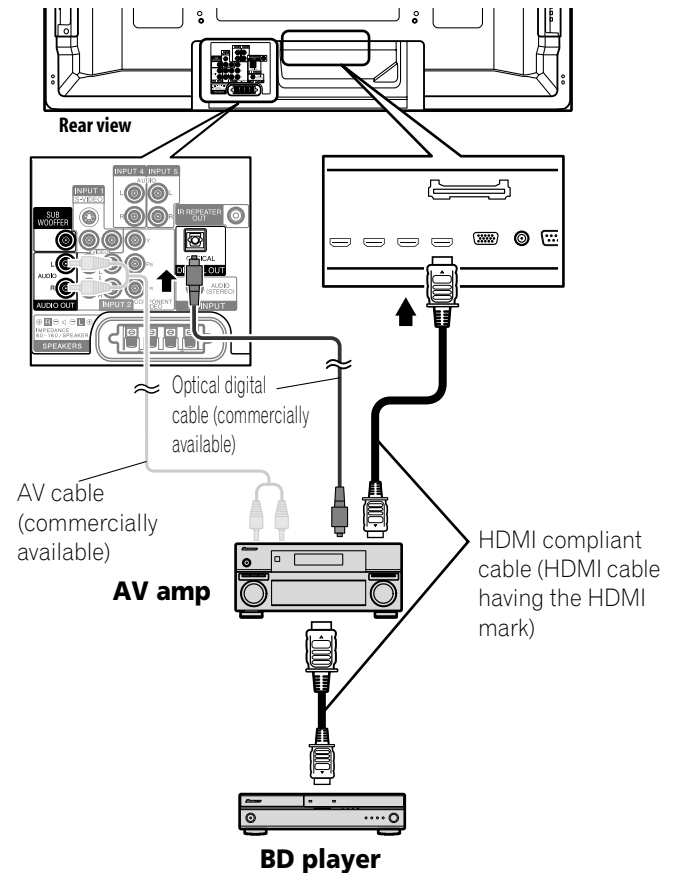
Press **←** or **→** on the remote control unit of the plasma display to select fast reverse or fast forward mode, **↑** to display the DVD disc menu or Blu-ray disc's pop-up menu on the player or **↓** to stop playback. Pressing **ENTER** starts playback and **HDMI CONTROL** turns the control panel screen off to return to the HDMI Control menu.

Making the HDMI Control connections

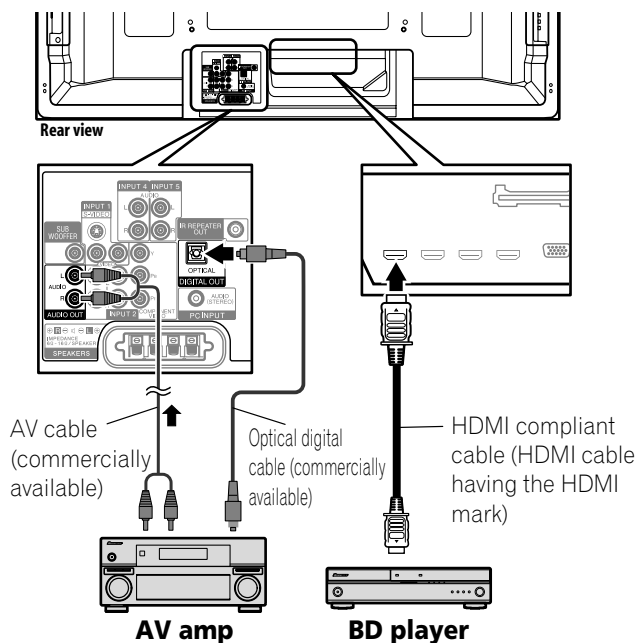
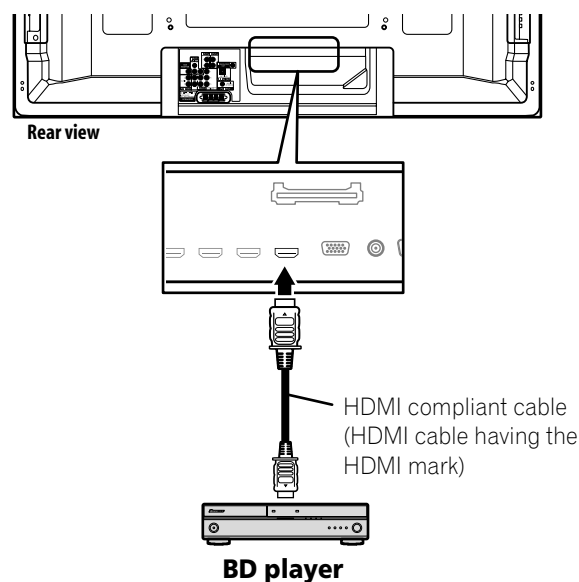
When you make changes in connections between the plasma display and the device(s) that supports the HDMI Control functions or settings for the "HDMI Control Setting", perform the following procedure:

- Turn on the plasma display and all the connected devices.
- Confirm that the setting in "Input Setting" for "HDMI Control Setting" is properly entered according to the connected devices. Also confirm the HDMI Control related settings in the connected devices.
- Switch to the HDMI input terminals to which the devices are connected to check if audio and video images are properly output and displayed.
- Try turning off the plasma display, then turn the power back on to the plasma display.

Connecting an AV amp/BD player



Connecting a BD player


Note

- Maximum number of devices that can be connected and controlled using the remote control unit of the plasma display is as follows: recorder x 2, player x 2, AV system x 1.
- When connecting an AV system, be sure to place and connect it between the plasma display and recorder or player.
- Do not connect an AV system that does not support the HDMI Control functions between the plasma display and a recorder/player, otherwise the HDMI Control functions may not operate properly.
- When connecting an AV system that does not support the HDMI Control functions and a player/recorder that supports the HDMI Control functions to the plasma display, connect the AV system to the DIGITAL OUT terminal and the AUDIO OUT terminal on the plasma display using an optical digital cable and an AV cable (commercially available), and the recorder/player to the HDMI terminal using an HDMI compliant cable (see the illustration). Please note that signals input from the HDMI terminals will not be output from the DIGITAL OUT terminal.

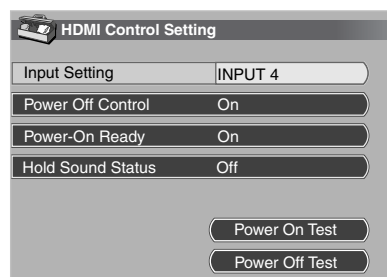
- After making connections, enter the setting in "Input Setting" for "HDMI Control Setting". Be sure that the setting is entered in each HDMI input terminal to which the device is connected.
- Settings in the connected device(s) are also required to use the HDMI Control functions. For details, see the operation manual that came with the connected device(s).
- For more information on the devices that support the HDMI Control functions, check the Pioneer Web site (see back cover).

Setting the HDMI Control

Selecting the input terminal

Select the HDMI terminal to which the external device is connected in order to use the HDMI Control functions.

- 1 Press **HOME MENU**.
- 2 Select **"Option"** (▲/▼ then **ENTER**).
- 3 Select **"HDMI Control Setting"** (▲/▼ then **ENTER**).



- 4 Select **"Input Setting"** (▲/▼ then **ENTER**).
- 5 Select **"INPUT 4", "INPUT 5", "INPUT 6" or "INPUT 7"** (▲/▼ then **ENTER**).

Only the device that supports the HDMI Control and is connected through the selected INPUT terminal is available for the HDMI Control functions.

- 6 Press **HOME MENU** to exit the menu.

Note

- If you have selected "Off" in step 5, a message "Operations cannot be carried out. Confirm the HDMI control settings." appears when **HDMI CONTROL** is pressed on the remote control unit.
- If you operate an HDMI supported device(s) using an HDMI terminal other than the terminal selected in "Input Setting", a malfunction may occur. When connecting to any HDMI terminals other than the terminal selected in "Input Setting", make sure to enter the settings of the external device(s) so that the HDMI Control function does not operate.

Selecting the Power Off Control

You can select whether or not the connected device is turned Off when the plasma display is turned Off. (factory default is "On")

- 1 Press **HOME MENU**.
- 2 Select "Option" (▲/▼ then **ENTER**).
- 3 Select "HDMI Control Setting" (▲/▼ then **ENTER**).
- 4 Select "Power Off Control" (▲/▼ then **ENTER**).
- 5 Select "On" (▲/▼ then **ENTER**).
- 6 Press **HOME MENU** to exit the menu.

Note

- The "Power Off Control" function is valid for the devices connected to any of HDMI terminals at the rear of the plasma display.

Selecting the Power-On Ready

You can select whether or not the plasma display is turned On when the connected Pioneer recorder or player is turned On and images are input to the plasma display. (factory default is "On")

- 1 Repeat steps 1 to 3 in *Selecting the Power Off Control*.
- 2 Select "Power-On Ready" (▲/▼ then **ENTER**).
- 3 Select "On" (▲/▼ then **ENTER**).
- 4 Press **HOME MENU** to exit the menu.

Selecting the Hold Sound Status

You can select whether or not the function is held for the connected Pioneer AV system even if the system is placed into standby during HDMI Control operations. (factory default is "Off")

- 1 Repeat steps 1 to 3 in *Selecting the Power Off Control*.
- 2 Select "Hold Sound Status" (▲/▼ then **ENTER**).
- 3 Select "On" (▲/▼ then **ENTER**).
- 4 Press **HOME MENU** to exit the menu.

Power On/Off Test

You can confirm if the Power On/Off control function is effective between the plasma display and the connected device.

- 1 Repeat steps 1 to 3 in *Selecting the Power Off Control*.
- 2 Select "Power On Test" or "Power Off Test" (▲/▼ then **ENTER**).

A list containing devices appears when multiple HDMI devices are connected to the HDMI terminals.

- 3 Select the desired device (▲/▼ then **ENTER**).

- 4 Press **HOME MENU** to exit the menu.

Note

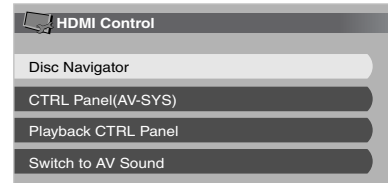
- Devices that can be checked for Power On/Off Test are those connected to HDMI terminals as set in "Input Setting".
- If the Power On/Off Test fails, check for the connection and setting.

Using the HDMI Control menus

You can enjoy various functions with the connected Pioneer recorder, player or AV system that supports the HDMI Control functions by selecting and using the corresponding HDMI Control menus.

- 1 Press **HOME MENU**.
- 2 Select "HDMI Control" (▲/▼ then **ENTER**).

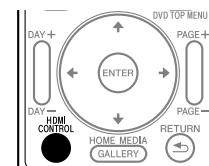
The HDMI Control menu is displayed.

**HDMI Control menu**

Item	Description
Disc Navigator	Displays a title list of the connected recorder or player
CTRL Panel (AV-SYS)	Displays the control panel for the connected AV system on the plasma display
Playback CTRL Panel	Displays the control panel for the connected recorder or player on the plasma display
Switch to AV Sound (Switch to PDP Sound)	Switches between the plasma display and the connected AV system to which sound is output

Note

- To use the HDMI Control functions, a Pioneer recorder, player or AV system that supports the HDMI Control functions is required.
- Not all operations may be controlled for the connected devices.
- The HDMI Control menu is not selectable when "Off" is selected in "Input Setting" for the "HDMI Control Setting" menu.
- The CTRL Panel (AV-SYS) menu is only available when the sound is output from the AV system.
- The Playback CTRL Panel menu is selectable when the connected recorder or player is ready to operate.
- You can also display the HDMI Control menu by pressing **HDMI CONTROL** on the remote control unit of the plasma display.

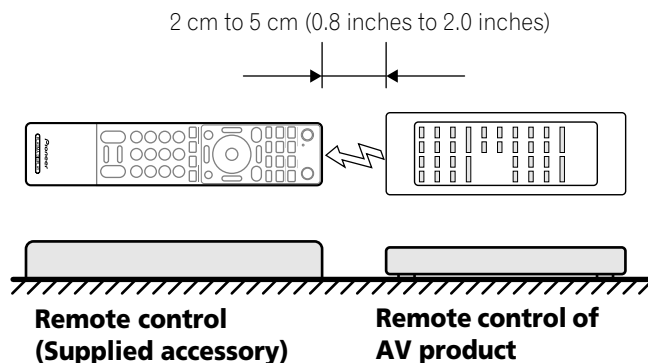


Chapter 14

Useful Remote Control Features

Learning function of the remote control unit

You can operate the connected AV products (AV receiver, Cable Box, SAT tuner, VCR, DVD, DVD recorder, BD player, LD) using the remote control's learning function. The remote control can memorize other remote control's codes.



Using the learning function

- 1 Slide the Mode switch to match the type of device to be learned.
- 2 Press **EDIT/LEARN** and **2** at the same time.
 - The LED flashes.
- 3 Press a button to be learned.
 - The LED lights up.
 - For the functions that can be learned, see pages 99 to 102.
 - When the device's remote is memorized, the LED flashes.
- 4 Press **EDIT/LEARN** again to exit the Learn mode.

Note

- To exit the Learn mode before it is complete, press **EDIT/LEARN** again.
- If the **Mode switch** selection is changed when **EDIT/LEARN** and **2** are pressed (the LED is flashing), the Learn session is canceled.
- If the **Mode switch** selection is changed when a button to be learned is pressed after **EDIT/LEARN** and **2** have been pressed (the LED lights up), the Learn session is not canceled and the selected mode and button remain effective.
- If no operation is performed for more than one minute after having pressed **EDIT/LEARN** and **2** (the LED is flashing), the Learn session is canceled.
- If a button to be learned is pressed after having pressed **EDIT/LEARN** and **2** (the LED is lit), the Learn session is canceled in 30 seconds and the LED restarts blinking again.
- Code transmission finishes in approximately two seconds. Do not interrupt it halfway. Wait until the LED flashes again.
- When using any of the receiver buttons (**POWER**, **INPUT**, or **VOL +/-**), the learned manufacturer code remains the same regardless of the **Mode switch** position or even if the switch is shifted to a different position.

Presetting manufacturer codes to control other devices

Presetting manufacturer codes

- 1 Slide the Mode switch to match the type of device to be preset.
- 2 Press **EDIT/LEARN** and **1** at the same time.
 - The LED flashes.
- 3 Press **0** to **9** to enter the manufacturer code. See page 94.
 - Preset mode is finished when the LED blinks Off.

Library Search

In the event that the device code for a particular target unit is unknown, cycle through the available codes for that type of device. Sample the functions from each code in order to find the code that properly operates the target device.

- 1 Slide the Mode switch to match the type of device to be preset.
- 2 Press **EDIT/LEARN** and **3** at the same time.
 - The LED indicator flashes and the remote control unit enters the Library Search programming mode.
- 3 Press either **SOURCE POWER**, **PLAY**, **1** or **CH+** to sample the selected code.
- 4 If the code is missing, press **UP/DOWN** to advance to the next code or return to the previous code and repeat step 3.
- 5 Press **ENTER** when the code that properly operates the target device is found.
 - All the available buttons for the selected mode are programmed to the remote control. The remote control unit returns to normal operation (LED lights for one second to confirm addition).


Delete Learning

You can delete a learned code by either overwriting it with a new code on the same button or performing the procedure below.

- 1 Press **EDIT/LEARN** and **2** at the same time.
 - The LED indicator flashes and the remote control unit enters the Learning mode.
- 2 Press and hold **TV** for more than two seconds.
 - The remote control unit starts deleting all learned codes in the selected mode (marked by a lit LED).
 - When completed, the LED blinks Off and the remote control unit returns to normal operation.

Manufacturing Reset

All learned and preset codes can be returned to the factory defaults regardless of the mode.

1 Press EDIT/LEARN and TV  at the same time. The Mode switch setting is ignored.


- The LED indicator flashes and the remote control unit enters the Manufacturing Reset mode.

2 Press D (yellow) to reset the remote control.

- The manufacturing reset is complete. The LED flashes for one second then the remote control unit returns to normal operation.



Note

- To exit the Edit mode before it is complete, press **EDIT/LEARN** again.
- If the **Mode switch** selection is changed when in the Edit mode, the Edit session is canceled.
- If no operation is performed within one minute, the Edit session is canceled.
- When you enter an unlisted code, the LED flashes repeatedly.
- If the tables on pages 94 to 98 do not include your device's manufacturer or the remote control does not work, use the Learn mode.
- The initial mode is "PIONEER".
- When using any of the receiver buttons (, **INPUT**, or **VOL +/-**) to cancel the Learn mode, follow the procedure with the **Mode switch** set to "TV". You cannot cancel the mode otherwise.
- You may not be able to partially or entirely control some equipment in the tables.

Programming codes

CABLE

Brand	Codes	Brand	Codes	Brand	Codes	Brand	Codes
A-Mark	0008, 0144	Fosgate	0276	NSC	0012, 0637	Signature	0011
ABC	0237, 0003, 0008, 0014, 0011, 0017	GE	0144, 0021	Oak	0017	Sony	1006, 1506, 1606
Accuphase	0003, 0014, 0011, 0017	General Instrument	0476, 0810, 0276, 0003, 0012, 0014, 0011	Optimus	0021	Sprucer	0144, 0021
Acorn	0237	Gibraltar	0003	Pace	1877, 0877, 0237, 0008	Starcom	0003, 0014
Action	0237	Global	1327	Panasonic	0000, 0008, 0144, 0107, 0021	Stargate	0014
Active	0237	GMI	0883	Panther	0637	Storm	0637
Americast	0899	GoldStar	0144	Paragon	0000, 0008, 0525	Supercable	0276
Amino	1602, 1822	Hamlin	0009, 0273	Penney	0000, 0637	Supermax	0883
Archer	0237, 0260	Hitachi	0003, 0008, 0009, 0011, 0154	Philips	1305, 0317	Thomson	1256
BCC	0276	Houston	0011	Pioneer	1877, 0877, 0144, 0533, 0023, 0260, 1021	Tocom	0012
Bell & Howell	0014	i3 Micro	1602	Prism	0012	Torx	0003
Bell South	0899	Insight	0476, 0810	Pulsar	0000	Toshiba	0000
British Telecom	0003	Jebsee	0014	Quasar	0000	Tristar	0883
Century	0008	Jerrold	0476, 0810, 0276, 0003, 0012, 0014, 0011	RadioShack	0883	United Cable	0276, 0003, 0014, 0011
Citation	0017	Memorex	0000	RCA	1256, 0021	US Electronics	0276, 0003, 0008, 0017
Clearmaster	0883	Mitsubishi	0003	Regal	0276, 0279, 0273	V2	0883
ClearMax	0883	Motorola	1376, 0476, 0810, 0276, 1187, 1254, 0014, 1106	Rembrandt	0011	Videoway	0000
Cleartron	1327	Multitech	0883	Runco	0000	Viewmaster	0883
Cool Box	0883	Myrio	1602, 1822	Samsung	0003, 0144, 0023	ViewmaxPro	1544
Coolmax	0883	Nova Vision	0008	Scientific Atlanta	1877, 0877, 0477, 0237, 0003, 0000, 0008, 0012, 0017, 0021	Vision	0883
Digeo	1187	Novaplex	0008, 0017	Sejin	1602	Vortex View	0883
Digi	0637			Signal	0011	Zenith	0000, 0525, 0899, 0017
Director	0476						
Dumont	0637						
Emerson	0014						

SATELLITE

Brand	Codes	Brand	Codes	Brand	Codes	Brand	Codes
A-Mark	0210	GE	0392, 0566	MegaSat	1551	Realistic	0052
AlphaStar	0772	General Instrument	0869	Memorex	0724, 0269	Samsung	1377, 1142, 1276, 1108, 1109, 1442, 1609
Amino	1615	GOI	0775, 1775	Mitsubishi	0749	Sanyo	1219
Bell ExpressVu	0775	Goodmans	1246	Motorola	0869, 0856	SKY	0856, 0099
Channel Master	0212	Hisense	1535	NEC	0178, 1270	Sony	0639, 1639, 1640
Chaparral	0053, 0209, 0216	Hitachi	0749, 0819, 1250	Netsat	0099	Star Choice	0869
Crossdigital	1109	Homecable	0238	Next Level	0869	Star Trak	0772, 0869, 0180
DirecTV	1377, 0392, 0566, 0639, 1639, 1142, 0247, 0749, 1749, 0724, 0819, 1856, 1076, 1108, 0099, 1109, 1392, 1414, 1442, 1443, 1444, 1538, 1609, 1640	Houston	0775, 0280	Optimus	0724	STS	0210
		HTS	0775, 0280, 1775	Panasonic	0247, 0701, 0152	Thomson	0392, 0566
		Hughes Network Systems	1142, 0749, 1749, 1442, 1443, 1444, 1538	Pansat	0647, 1551, 1807	Tivo	1142, 1442, 1443, 1444, 1538
		Humax	1790	Paysat	0724	Toshiba	0749, 1749, 0790, 0819, 0082, 1285
		iLo	1535	Philips	1142, 0749, 1749, 0775, 0724, 0819, 1076, 0722, 0099, 1442		
		Innova	0099				
		IQ	0210				
Dish Network System	1505, 1005, 0775, 1170, 1775	IQ Prism	0210	Pioneer	1142, 0329, 1442	UltimateTV	1392, 1640
		Janeil	0152	Primestar	0869	Uniden	0724, 0722, 0052, 0074, 0238
Dishpro	1505, 1005, 0775, 1775	Jerrold	0869	Proscan	0392, 0566		
EchoStar	1505, 1005, 0775, 0159, 0269, 0280, 1170, 1775	JVC	0775, 1170, 1775	Proton	1535	US Digital	1535
		King Viper	0210	RadioShack	0566, 0775, 0869, 0052, 0269	USDTV	1535
		Legend	0269			Voom	0869
Expressvu	0775, 1775	LG	1226, 1414	RCA	0392, 0566, 1142, 0775, 0855, 0143, 1392, 1442	Zenith	0856, 1856, 1810
Fortec Star	1550	Magnavox	0724, 0722				
Funai	1377	McIntosh	0869				

VCR

Brand	Codes	Brand	Codes	Brand	Codes	Brand	Codes
A-Mark	0037, 0240, 0000, 0278, 0046	CyberPower	1972	Headquarter	0046	Memorex	0035, 0162, 0037, 0048, 0039, 0047, 0240, 0000, 0104, 0209, 0072, 0278, 0062, 0054, 0046, 0307, 0479, 1037, 1162, 1262
ABS	1972	Daewoo	0037, 0045, 0278, 0020, 0046, 0561, 1137	Hewlett Packard	1972		
Admiral	0060, 0048, 0039, 0047, 0104, 0209, 0020, 0062, 0065, 0479	Daytron	0037, 0278, 0020	Hi-Q	0035, 0047, 0000		
Adventura	0037, 0240, 0000	Dell	1972	Hitachi	0035, 0037, 0045, 0000, 0042, 0041, 0065, 0082, 0089, 0105, 0166, 0235, 0292		
Adyson	0072	Denon	0081, 0042	Howard Computers	1972	Metz	0037
Aiko	0278	Derwent	0041	DirecTV	0739	MGA	0060, 0240, 0043, 0061
Aiwa	0037, 0000, 0124, 0307, 1137	Dual	0000	Dumont	0040	Hughes Network Systems	0042, 0739
Akai	0041, 0061, 0106, 0175, 0242	Durabrand	0039, 0038	Dynatech	0240, 0000	Humax	0739
Alba	0209, 0072, 0278	Electrohome	0060, 0037, 0240, 0000, 0043, 0209, 0061	Electrohome	0060, 0037, 0240, 0000, 0043, 0209, 0061	Hush	1972
Alienware	1972	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	Hytek	0047, 0000, 0072
Allegro	0039, 1137	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	iBUYPOWER	1972
America Action	0278	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	ITT Nokia	0240, 0041
American High	0035, 0081	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	Janeil	0240
Amstrad	0000	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	Jensen	0067, 0041
Anam National	0226	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	JVC	0067, 0041, 0008, 0058, 0061, 0206, 0207, 0235, 1162, 1707
Asha	0240	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	KEC	0037, 0278
Astra	0035, 0240	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	Kenwood	0067, 0041, 0038, 0046
Audio-Technica	0058	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	KLH	0072
Audiovox	0037, 0278, 0038, 0054	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	Kodak	0035, 0037
Avis	0000, 0072	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	KTV	0000
Beaumarck	0240	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	LG	0037, 0240, 0038, 1037, 1137
Bell & Howell	0035, 0048, 0039, 0000, 0104, 0046, 0479	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	Linksys	1972
Broksonic	0184, 0121, 0209, 0002, 0208, 0479, 1815	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	Lloyd's	0240, 0000, 0072, 0038, 0040, 0208
Calix	0037	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	Loewe	0081
Candle	0037, 0038	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	Logik	0240, 0000, 0072, 0011
Canon	0035, 0034	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	Lumatron	0278
Capehart	0002, 0020, 0062	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	Luxor	0046, 0106
Carrera	0240	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	LXI	0037, 0000, 0042, 0067, 0054
Carver	0035, 0081	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	M Electronic	0240
CCE	0072, 0278	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	Magnasonic	0037, 0240, 0000, 0072, 0278, 0020, 0082, 0593
Cineral	0278	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	Magnasonic	0037, 0240, 0000, 0072, 0278, 0020, 0082, 0593
CineVision	1137	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	Magnasonic	0037, 0240, 0000, 0072, 0278, 0020, 0082, 0593
Citizen	0035, 0037, 0240, 0000, 0209, 0278, 0479	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	Magnasonic	0037, 0240, 0000, 0072, 0278, 0020, 0082, 0593
Classic	0037	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	Magnasonic	0037, 0240, 0000, 0072, 0278, 0020, 0082, 0593
Colortyme	0060, 0035, 0045, 0278	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	Magnasonic	0037, 0240, 0000, 0072, 0278, 0020, 0082, 0593
Colt	0000, 0072	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	Magnasonic	0037, 0240, 0000, 0072, 0278, 0020, 0082, 0593
Craig	0037, 0047, 0240, 0072, 0271	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	Magnasonic	0037, 0240, 0000, 0072, 0278, 0020, 0082, 0593
Criterion	0000, 0072	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	Magnasonic	0037, 0240, 0000, 0072, 0278, 0020, 0082, 0593
Crosley	0035, 0081, 0000, 0149	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	Magnasonic	0037, 0240, 0000, 0072, 0278, 0020, 0082, 0593
Crown	0072, 0278	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	Magnasonic	0037, 0240, 0000, 0072, 0278, 0020, 0082, 0593
Curtis Mathes	0060, 0035, 0162, 0240, 0000, 0041, 0278, 0432, 0760	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	Magnasonic	0037, 0240, 0000, 0072, 0278, 0020, 0082, 0593
Cybernex	0240	Electrohome	0000, 0043, 0209, 0061	Electrohome	0000, 0043, 0209, 0061	Magnasonic	0037, 0240, 0000, 0072, 0278, 0020, 0082, 0593

VCR

Brand	Codes	Brand	Codes	Brand	Codes	Brand	Codes		
Panasonic	1062, 0035, 0162, 0000, 0020, 0077, 0225, 0226, 0227, 0246, 0378, 0614, 0616, 1162, 1262	Realistic	0035, 0162, 0037, 0048, 0047, 0240, 0000, 0104, 0121, 0278, 0046, 0062, 0065, 1162	Sonographe	0046	Trix	0037		
				Sony	0035, 0047, 0032, 0033, 0000, 0067, 0034, 0046, 0022, 0011, 0226, 0275, 0636, 1032, 1546, 1702, 1703, 1896, 1972		Ultra	0045, 0278, 0020	
							Unitech	0240	
							Vector	0045	
Penney	0035, 0162, 0037, 0047, 0081, 0240, 0000, 0042, 0067, 0038, 0040, 0054, 0077	ReplayTV	0614, 0616	Soundmaster	0000	Vector Research	0184, 0038, 0040		
		Ricavision	1972		Stack 9		1972	Vectra	0072
		Ricoh	0034		Victor		0067, 0041, 0008		
Pentax	0042, 0065, 0105	Rio	1137	STS	0042, 0105	Video Concepts	0045, 0040, 0061, 0210, 0242		
		Runco	0039	SV2000	0000, 0072	Videomagic	0037		
Philco	0035, 0081, 0000, 0209, 0479	Salora	0075	SVA	0000	Videosonic	0240, 0000, 0072		
		Samsung	0060, 0240, 0045, 0000, 0038, 0077, 0432, 0739	Sylvania	0035, 0081, 0000, 0043, 0593, 1593	Viewsonic	1972		
Philips	0035, 0162, 0048, 0081, 0045, 0000, 0209, 0034, 0062, 0616, 0618, 0739, 1081, 1181, 1266			Samtron	0240	Symphonic	0240, 0000, 0002, 0593, 1593	Villain	0000
		Sanky	0048, 0039						
		Sansui	0240, 0000, 0067, 0209, 0041, 0072, 0002, 0082, 0271, 0479						
		Sanyo	0047, 0240, 0000, 0104, 0046, 0159, 0372, 0479						
Pilot	0037	Scientific Atlanta	0008	Technics	0035, 0162, 0037, 0000, 0246	Wards	0060, 0035, 0037, 0048, 0047, 0081, 0033, 0240, 0045, 0000, 0042, 0043, 0041, 0072, 0038, 0149, 0046, 0058, 0062, 0065, 0011, 0212, 0479, 0760		
Pioneer	0162, 0081, 0042, 0067, 0058, 0168, 1337								
Polk Audio	0081								
Portland	0278, 0020								
Presidian	1593	Scott	0184, 0045, 0121, 0043, 0208, 0210, 0212	Teknika	0035, 0037, 0000	Wharfedale	0593		
		Profitronic	0240						
Proscan	0060, 0202, 0760, 0761	Sears	0060, 0035, 0162, 0037, 0048, 0039, 0047, 0033, 0045, 0000, 0042, 0104, 0067, 0043, 0209, 0041, 0072, 0046, 0034, 0054, 0057, 0058, 0011, 0065, 0105	Telecorder	0240	White Westinghouse	0000, 0209, 0072, 0278, 0479		
Protech	0000, 0072			Telefunken	0041, 0208				
Protech	0072			Tevion	0479	World	0209, 0002, 0479		
Pulsar	0039, 0240, 0278			Thomas	0000, 0002				
Pulser	0240			Thomson	0060, 0041, 0202	XR-1000	0035, 0240, 0000, 0072, 0208		
Quarter	0046			Tisonic	0278				
Quartz	0035, 0047, 0046			Tivo	0618, 0636, 0739, 1337, 1996	Yamaha	0041, 0038		
Quasar	0035, 0162, 0002, 0077, 0226, 1162			TMK	0240, 0000, 0208			Zenith	0037, 0039, 0033, 0000, 0209, 0041, 0278, 0011, 0034, 0479, 1137, 1139
RadioShack	0035, 0162, 0037, 0048, 0047, 0240, 0000, 0104, 0046, 0062, 1037, 1162			Sensory Science	1155	TNIX	0037		
				Sharp	0048, 0047, 0032, 0000, 0062, 0065, 0848	Tocom	0240		
Radix	0037	Shintom	0039, 0240, 0000, 0072, 0208	Toshiba	0240, 0045, 0000, 0043, 0209, 0041, 0054, 0057, 0062, 0210, 0212, 0366, 1008, 1972, 1996				
Randex	0037	Shogun	0240						
RCA	0060, 0035, 0048, 0240, 0045, 0000, 0042, 0149, 0880, 0761, 0760, 0202, 0166, 0106, 0105, 0077, 0065, 0058, 0054	Siemens	0037, 0104	Tosonic	0278				
		Signature	0060, 0035, 0037, 0048, 0000, 0149, 0046, 0065, 0479	Totevision	0037, 0240				
		Singer	0037, 0240, 0072	Touch	1972				
		Sonic Blue	0614, 0616, 1137						

PVR

Brand	Codes	Brand	Codes	Brand	Codes	Brand	Codes
ABS	1972	HP	1972	Niveus Media	1972	Stack 9	1972
Alienware	1972	Hughes Network Systems	0739	Northgate	1972	Systemax	1972
CyberPower	1972			Panasonic	0614, 0616	Tagar Systems	1972
Dell	1972	Humax	0739	Philips	0618, 0739	Tivo	0618, 0636, 0739, 1337
DirectTV	0739	Hush	1972	Pioneer	1337	Toshiba	1008, 1972, 1996
EverFocus	1346	iBUYPOWER	1972	RCA	0880	Touch	1972
Gateway	1195, 1196, 1972	Linksys	1972	ReplayTV	0614, 0616	Viewsonic	1972
Go Video	0614	Media Center PC	1972	Samsung	0739	Voodoo	1972
Hewlett Packard	1972	Microsoft	1972	Sonic Blue	0614, 0616	ZT Group	1972
Howard Computers	1972	Mind	1972	Sony	0636, 1972		

DVD

Brand	Codes	Brand	Codes	Brand	Codes	Brand	Codes
3D LAB	0503, 0539	CAVS	1057	Enterprise	0591	Kawasaki	0790
Accurian	1072, 1416, 1737	Celestial	1020	Entivo	0503, 0539	Kenwood	0490, 0534, 0682, 0737
Acoustic Solutions	0730	Centrex	0672, 1004	Enzer	0770	KLH	0717, 0790, 1020, 1149
Adcom	1094	Centrios	1577	ESA	1443	Kloss	0533
Afreedy	0698	Cinea	0831	Firstline	0651	Konka	0711, 0721
Aiwa	0641	CineVision	0876, 0833, 0869	Fisher	0670	Koss	0651, 0769, 0896, 1061, 1423
Akai	0695, 0705, 0770, 1089	Citizen	1003, 0695, 1277	Funai	0675, 1334		
Alba	0672, 0717	Clairtone	0571	Gateway	1073, 1077, 1158, 1194	Kreisen	1421
Alco	0790	Coby	0778, 0852, 1077, 1086, 1107, 1165, 1177, 1351	GE	0522, 0815, 0717	Krell	1498
Allegro	0869			Go Video	0573, 0744, 0717, 1730, 1443, 1304, 1158, 1148, 1144, 1099, 1075, 1044, 0869, 0833, 0783, 0741, 0715	Lafayette	1369
Amphion Media Works	0872, 1245	Craig	0831	Go Vision	1071, 1072	Landel	0826
AMW	0872, 1245	Creative	0503, 0539	GoldStar	0741, 0801, 0869	Lasonic	0627, 0798, 1173, 1747
Apex Digital	0533, 0672, 0717, 0755, 0794, 0796, 0797, 1004, 1020, 1056, 1061, 1100	Curtis Mathes	1087			Lecson	1533
		CyberHome	0816, 0874, 1017, 1019, 1023, 1024, 1117, 1129, 1502, 1537			Lennox	1127
Arcam	0732	Cytron	0705			LG	0591, 0741, 0801, 0869
Arrgo	1023	Daewoo	0784, 0705, 0770, 0833, 0869, 1169, 1172, 1234, 1242, 1441, 1443	Goodmans	0790	LiteOn	1058, 1158, 1416, 1440, 1656
Aspire Digital	0594, 1168, 1407			GPX	0699, 0769	Loewe	0511, 0741
Astar	1489, 1494, 1678, 1679			Gradiente	0490, 0651	Logix	0783
Audiologic	0736			Greenhill	0717	Magnasonic	0651, 0675
Audiovox	0717, 0790, 1041, 1071, 1072	Dansai	0770	Grundig	0539, 0705	Magnavox	0503, 0539, 0646, 0675, 1506
		Daytek	0872	Harman/Kardon	0582, 0702	Malata	0782, 1159
Awa	0730	Decca	0770	Hitachi	0573, 0664	Marantz	0503, 0539, 0675
Axion	1071, 1072	Denon	0490, 0634	Hiteker	0672	McIntosh	1533, 1273, 1373
B & K	0655, 0662	Denver	0778	Humax	1588	Medion	0651
BBK	1224	Desay	1407, 1455	iLo	1348	Memorex	0690, 0695, 0831, 1270
Bel Canto Design	1571	Diamond Vision	1316	Initial	0717	Microsoft	0522, 1708
Blaupunkt	0717	Digitrex	0672	Innovative Technology	1542	Minato	0752
Blue Parade	0571	Digix	1272	INOi	1747	Mintek	0839, 0717
Blue Sky	0695, 0699	Disney	0675, 1270	Integra	0571, 0627	Mitsubishi	1521, 0521
Brandt	0651	DiViDo	0705	IRT	0783	MixSonic	1130, 1611
Broksonic	0695, 1419	Dual	0675, 1068, 1085	Jaton	1078	Momitsu	1082
Bush	0690	Durabrand	1127	JBL	0702	Mustek	0730
California Audio Labs	0490	DVD2000	0521	JMB	0695	Myryad	0894
Cambridge Audio	1471	Electrohome	1003	JSI	1423	NAD	0591, 0692, 0741
Cambridge Soundworks	0690	Elta	0690	JVC	0558, 0623, 0867, 1164, 1275, 1550, 1602	Naiko	0770
Cary Audio Design	1477	Emerson	0591, 0675	jWin	1049, 1051, 1469, 1675	Nakamichi	1222
						NEC	0785, 0869

DVD

Brand	Codes	Brand	Codes	Brand	Codes	Brand	Codes
Nesa	0717	Presidian	0675, 1072	Schwaiger	0752	Tevion	0651
NeuNeo	0509	Primare	0886, 1467, 1618	Sensory Science	1158	Theta Digital	0571
Next Base	0826	Princeton	0674	Sharp	0630, 0675, 0752, 1256	Thomson	0522, 0511
NexxTech	1402	Proceed	0672	Sharper Image	1117	Tivo	1588
Nintaus	1051	Proscan	0522	Sherwood	0633, 0770, 1043, 1077	Toshiba	0503, 0573, 0539, 0695, 1154, 1588, 1608, 1769
Norcent	1003, 0872, 1107, 1265, 1457	Prosonic	0699	Shinsonic	0533, 0839	Tredex	0799, 0800, 0803, 0804
Onkyo	0503, 0627, 0792	ProVision	0778	Sigma Designs	0674	Unimax	0770
Oppo	0575, 1224, 1525	Qwestar	0651	Slim Art	0784	United	0730
Optimus	0571	Radionette	0741	SM Electronic	0690, 0730	Universum	0591
OptoMedia Electronics	0896	RadioShack	0571	Sonic Blue	0573, 0715, 0783, 0869, 1099	Urban Concepts	0503, 0539
Oritron	0651	RCA	0522, 0571, 0717, 0790, 0822	Sony	0533, 1533, 0864, 1017, 1033, 1069, 1070, 1431, 1432, 1433, 1548	US Logic	0839
Palsonic	0672, 0852	Realistic	0571	Sungale	1074, 1342, 1532	V	1064, 1226
Panasonic	0503, 0490, 0571, 0632, 0703, 1010, 1011, 1762	REALmagic	0674	Sylvania	0717, 0860, 1105	Venturer	0790
Philco	0690	Reoc	0752	SVA	0717, 0860, 1105	Vialta	1509
Philips	0503, 0539, 0646, 0675, 1267, 1354, 1846	Revoy	0699	Symphonic	0675, 1334	Vizio	1064, 1226
Phonotrend	0699	Rio	0869	Symphonic	0675, 1334	Vocopro	1027, 1360
PianoDisc	1024	RJTech	0118, 1360	TAG McLaren	0894	Wesder	0699
Pioneer	0525, 0571, 0142, 0631, 0632, 1475, 1476, 1571	Rotel	0623, 1178	Tatung	0770	Xbox	0522, 1708
Polaroid	1020, 1061, 1086, 1245, 1316, 1478	Rowa	0823, 1004	Teac	0571, 0717, 0692, 0790, 0809	Xwave	1001
Polk Audio	0539	Saba	0651	Technics	0490, 0703	Yamaha	0490, 0539, 0545, 0497, 0817
Portland	0770	Sampo	0698, 0752, 1501	Technika	0770	Yamakawa	0872
		Samsung	0490, 0573, 0744, 0199, 0820, 1044, 1075	Technosonic	0730	Zenith	0503, 0591, 0741, 0869
		Sansui	0695	Techwood	0692	Zeus	0784
		Sanyo	0670, 0675, 0695, 0873, 1334	Terapin	1031	Zoece	1265
		Schneider	0783				

DVD-R

Brand	Codes	Brand	Codes	Brand	Codes	Brand	Codes
Accurian	1416	Funai	0675, 1334	LiteOn	1158, 1416, 1440	Samsung	0490
Apex Digital	1056	Gateway	1073, 1158, 1194	Magnavox	0646, 0675, 1506	Sensory Science	1158
Aspire Digital	1168	Go Video	0741, 1158, 1304, 1730	Panasonic	0490, 1010, 1011	Sharp	0675
Astar	1489	iLo	1348	Philips	0646	Sony	1033, 1069, 1070, 1431, 1432, 1433
Broksonic	1419	JVC	1164, 1275	Pioneer	0631, 1475, 1476	Sylvania	0675
Coby	1086	Kreisen	1421	Polaroid	1086	Zenith	0741
CyberHome	1129, 1502	LG	0741	RCA	0522		

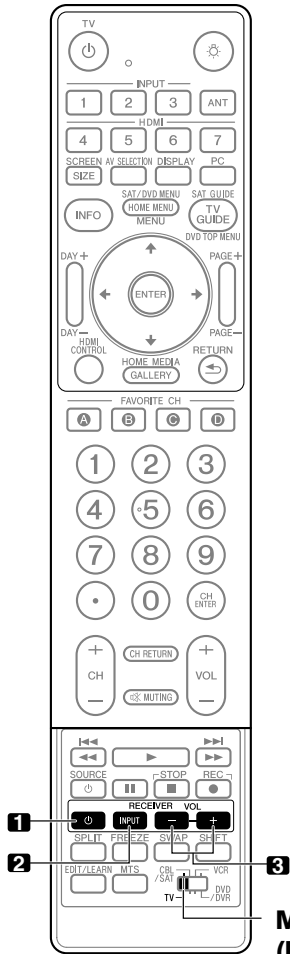
BD (HD-DVD)

Brand	Codes	Brand	Codes	Brand	Codes
Pioneer	2052, 0142	Samsung	0199	Toshiba	1769

LD

Brand	Codes	Brand	Codes	Brand	Codes	Brand	Codes
Aiwa	0203	Marantz	0064, 0194	Polk Audio	0194	Technics	0204
Carver	0064, 0194, 0323	Mitsubishi	0059, 0241	Quasar	0204	Theta Digital	0194
Denon	0059, 0172, 0241	NAD	0059	Realistic	0203	Toshiba	0059
Disco Vision	0023	NEC	0286	Renaissance	0323	Victor	0245
Funai	0203	Optimus	0059	Samsung	0323	Wards	0059
Harman/Kardon	0194	Panasonic	0204	Sega	0023	Yamaha	0217
Hitachi	0023, 0395	Philips	0064, 0194	Sharp	0001		
Magnavox	0064, 0194, 0217, 0241	Pioneer	0059, 0023, 0241, 1274	Sony	0193, 0201, 0270		

Using the remote control unit to control other devices

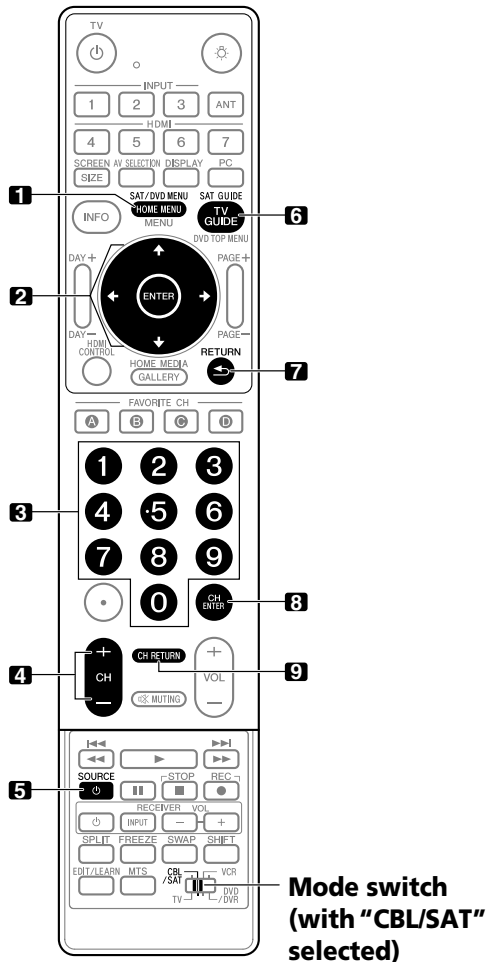


Mode switch (buttons operate at any position)

Receiver control buttons

When a Pioneer receiver is connected to the plasma display, the receiver can be operated using buttons **1** to **3**.

- 1. RECEIVER ϕ (STANDBY/ON)**
Turns the Pioneer receiver power on and off.
- 2. RECEIVER INPUT**
Selects the input source connected to the Pioneer receiver.
- 3. RECEIVER VOL +/-**
Adjusts the Pioneer receiver volume level. Press **VOL +** to increase the volume and **VOL -** to decrease it.



CBL/SAT control buttons

When the **Mode switch** is set to CBL/SAT, the cable converter or satellite broadcast tuner connected to the plasma display can be operated using the buttons shown below (3, 4, 5, 8 and 9 for cable converters and 1 to 7 for satellite tuners):

1. SAT MENU

Displays the satellite broadcasting menu screen.

2. ENTER, $\uparrow/\downarrow/\leftarrow/\rightarrow$

ENTER: Activates the selected function.

$\uparrow/\downarrow/\leftarrow/\rightarrow$: Selects items on the SAT GUIDE screen or SAT MENU screen.

3. 0 to 9

Press a button (or buttons) that corresponds to the channel that you want to watch.

4. CH +/-

Selects a higher or lower channel.

5. SOURCE ϕ

Turns the equipment power on and off.

6. SAT GUIDE

Displays the satellite broadcasting guide screen.

7. RETURN

When the CBL/SAT menu is displayed, restores the immediately previous screen.

8. CH ENTER*

Enters the selected channel with the direct channel selection buttons.

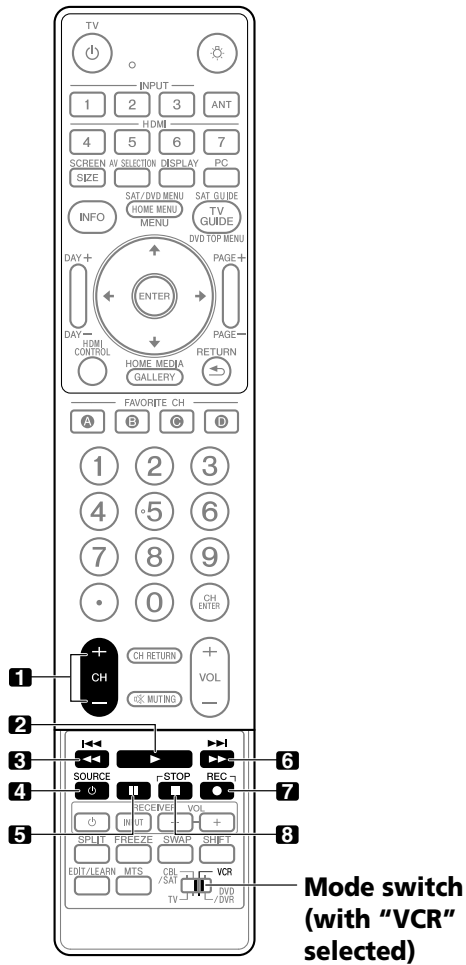
9. CH RETURN*

Switches between the current channel and the channel you were watching immediately before.

* Some cable converter manufacturers do not preset **CH ENTER** and **CH RETURN**.

Note

- CABLE and SAT cannot be selected at the same time.

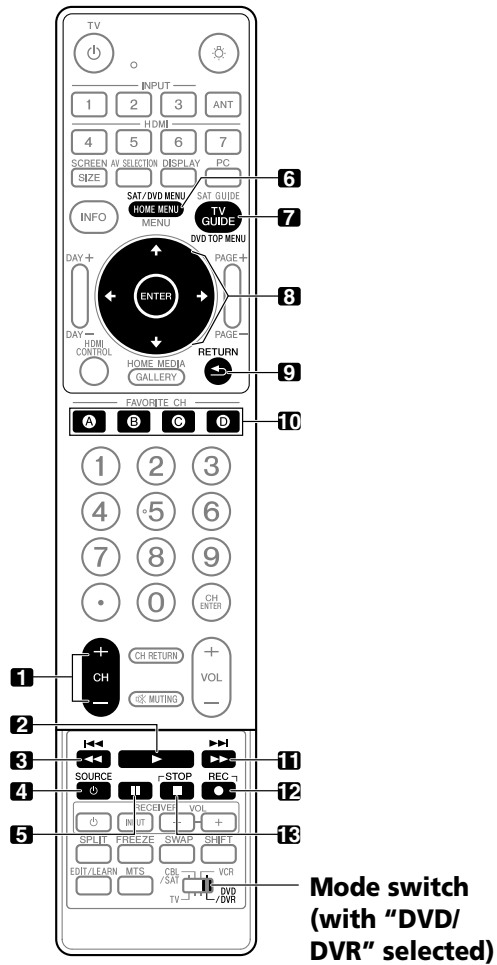


VCR control buttons

When the **Mode switch** is set to VCR, VCRs connected to the plasma display can be operated with the remote control unit.

- Press the input selector button INPUT 1 to INPUT 7 that matches the input terminal number to which the VCR is connected, then the VCR can be operated using **1** to **8**.
- VCRs made by other manufacturers can also be operated using the remote control unit if the remote control signals of the devices have been preset. See page 92.

- 1. CH +/-**
Selects the channel on the VCR.
- 2. ► (PLAY)**
Selects playback.
- 3. ◀◀ (REW)**
Rewinds the tape and allows picture search.
- 4. SOURCE**
Turns the power of the VCR on and off.
- 5. || (PAUSE/STILL)**
Pauses playback and displays still pictures.
- 6. ►► (FF)**
Rapidly advances the tape and allows picture search.
- 7. ● (REC)**
Starts recording.
- 8. ■ (STOP)**
Stops tape transport.



- 1. CH +/- (DVD recorder only)**
Changes the channel of the tuner built into the DVD recorder.
- 2. ► (PLAY)**
Selects playback.
- 3. ◀◀ (SCAN)/◀◀ (CHAPTER SEARCH)**
Continue pressing to go backward. Pressing quickly once takes you to the start of the chapter currently playing. Each time you press it, you move back to the start of the previous chapter.
- 4. SOURCE ⏻**
Turns the equipment power on and off.
- 5. ⏸ (PAUSE/STILL)**
Pauses playback and displays still pictures.
- 6. DVD MENU**
Displays the DVD menu.
- 7. DVD TOP MENU**
Displays the DVD top menu.
- 8. ENTER, ⬆/⬇/⬅/➡**
ENTER: Activates the selected function.
⬆/⬇/⬅/➡: Selects items on the DVD MENU screen.
- 9. RETURN**
When the DVD menu is displayed, restores the immediately previous screen.
- 10. A (BLUE), B (RED), C (GREEN), D (YELLOW) (BD only)**
Controls the BD-J Application.
- 11. ►► (SCAN)/►► (CHAPTER SEARCH)**
Continue pressing for fast forward. Pressing quickly once takes you to the start of the next chapter. Each time you press it, you move ahead to the start of the next chapter.
- 12. ● (REC) (DVD recorder only)**
Starts recording.
- 13. ■ (STOP)**
Stops playback. With some DVD players or DVD recorders, press twice to open the disc tray.
- 12, 13 STOP REC (DVD recorder only)**
Press and hold ●, and then press ■ to stop recording. This operation applies to only Pioneer DVD recorders.

Note

- A DVD player, DVD recorder and BD player cannot be selected at the same time.
- For some LD players, the buttons on the remote control unit function as above. For the supported LD players, see the LD brands and codes on page 98.

DVD/DVR control buttons

When the **Mode switch** is set to DVD/DVR, DVD players, DVD recorders or BD players connected to the plasma display can be operated with the remote control unit.

- When the input selector button having the same number as the input terminal connected to a DVD player, DVD recorder or BD player is pressed, these players can be operated using **1 to 13**.
- DVD players, DVD recorders, BD players or HD-DVD players made by other manufacturers can also be operated using the remote control unit if the remote control signals of the devices have been preset. See page 92.

Chapter 15





Appendix

Troubleshooting

Problem	Possible Solution
GENERAL	
<ul style="list-style-type: none"> No power. 	<ul style="list-style-type: none"> Is the power cord disconnected? (See page 24.) Has \odot been turned on? (See page 26.) Check if you pressed TV \odot on the remote control unit. (See page 26.) If the indicator on the system lights up red, press TV \odot on the remote control unit or STANDBY/ON on the plasma display.
<ul style="list-style-type: none"> Power is suddenly turned off. 	<ul style="list-style-type: none"> Is the sleep timer set? (See page 60.) Check the power control setting. (See page 59.) The system's internal temperature has increased. Clean the vents, or remove any blocking objects. (See page 16.) A malfunction may have occurred in the home network module.
<ul style="list-style-type: none"> The system cannot be operated. 	<ul style="list-style-type: none"> External influences such as voltage malfunction, static electricity, etc., may cause improper operation. In this case, operate the system after first turning off the power of the plasma display, or unplugging the power cord and re-plugging it in after one to two minutes.
<ul style="list-style-type: none"> Remote control unit does not operate. 	<ul style="list-style-type: none"> Check if TV \odot is off. Turn the button on when the POWER ON and STANDBY indicators are off. Is the Mode switch set correctly? Slide it to the TV position. (See page 15.) Are batteries inserted with connect polarity (+, -)? (See page 25.) Are batteries worn out? (Replace with new batteries.) (See page 25.) Operate the remote control unit while pointing it toward the remote control sensor on the plasma display. (See page 25.) Are you using it under strong or fluorescent lighting? Is a fluorescent light illuminating the remote control sensor? Check if any obstacles exist between the remote control unit and the remote control sensor.
<ul style="list-style-type: none"> POWER ON indicator or STANDBY indicator is quickly flashing. 	<ul style="list-style-type: none"> Internal protective circuits may have been activated. First turn the power off by removing the AC power cord from the power outlet, and then turn the power on again in after one minute or more. If the problem is not solved with this, contact the nearest Pioneer Authorized Independent Service Company, or the Customer Support Division (see back cover).
PICTURE/SOUND	
<ul style="list-style-type: none"> No image and audio is presented. 	<ul style="list-style-type: none"> Check if the input source for video or PC has been unintentionally selected although you want to watch a TV channel. (See page 27.) Check if you have activated the Parental Control function. (See page 37.) Enter a password to temporarily cancel the Parental Control function. (See page 41.) Check the cable connection with the antenna. (See page 23.) Check the cable connection with the other equipment. (See pages 65 to 70.)
<ul style="list-style-type: none"> No picture. 	<ul style="list-style-type: none"> Is connection to other components correct? (See pages 65 to 70.) Is a non-compatible PC signal being input? (See page 69.) Is picture adjustment correct? (See page 54.)
<ul style="list-style-type: none"> Screen appears dark 	<ul style="list-style-type: none"> Check if any obstacles exist in front of the Room Light Sensor. (See pages 13 and 64.)
<ul style="list-style-type: none"> Audio is output but no image is presented. 	<ul style="list-style-type: none"> Check if you have selected "Picture Off" for Energy Save. With this option selected, the screen is deactivated; only audio is output. To restore the screen display, press any button other than VOL +/- and MUTING. (See page 59.)
<ul style="list-style-type: none"> Images are presented but no audio is output. 	<ul style="list-style-type: none"> Check if you have selected the minimum volume. (See page 28.) Check if you have muted sound. (See page 28.) When using a video or PC input source, check that the audio terminals are also connected. (See pages 65 to 68 and 69.)
<ul style="list-style-type: none"> Sound is reversed between the right and left. Sound is output from only a single speaker. 	<ul style="list-style-type: none"> Check if the speaker cable connections have been reversed between the right and left or if the speaker cable from either speaker has been disconnected. (for PRO-1150HD only), (See page 19.) Has the balance been correctly adjusted? (See page 58.)
<ul style="list-style-type: none"> Picture is cut off. 	<ul style="list-style-type: none"> Is the image position correct? (See page 61.) Has the correct screen size been selected? (See page 62.)
<ul style="list-style-type: none"> Strange color, light color, dark or color misalignment. 	<ul style="list-style-type: none"> Adjust the picture tone. (See page 54.) Is the room too bright? The picture may look dark in a room that is too bright.

Problem	Possible Solution
<ul style="list-style-type: none"> • After-image lag. 	<ul style="list-style-type: none"> • After displaying a still image or a very bright image for a certain period of time, if the screen is then switched to a darker scene, the previous image may appear as an after-image. • This can be rectified by playing a rather bright moving image for several minutes. However, displaying a still image for excessively long periods of time may cause permanent display deterioration. • You can display the "Video Pattern" screen that helps eliminate after-image when it occurs. (See page 64.)
<ul style="list-style-type: none"> • Brightness and color tone on both sides differ from those in the center in 4:3 mode. 	<ul style="list-style-type: none"> • If images in 4:3 mode or letterbox images are displayed for long periods or for shorter periods over several days, an after-image may remain due to burning. This is a characteristic of plasma displays. • We recommend that you enjoy watching images in a full screen mode as much as possible. (See page 62.) • We recommend you select "Auto" for "Brightness Sync." in the Side Mask setting. This adjusts the brightness of the gray side masks according to the brightness of the main image. (See page 63.)

HDMI Control	
<ul style="list-style-type: none"> • HDMI Control functions do not operate. 	<ul style="list-style-type: none"> • Check if the connections are properly made between the plasma display and the device that supports the HDMI Control functions. (See page 89.) • Check if you have entered the settings properly for "Setting the HDMI Control". (See page 90.) • Check if the settings for the HDMI Control functions are effective on the connected device(s). For details, refer to the operation manual that came with the device.
<ul style="list-style-type: none"> • No image and audio is presented. 	<ul style="list-style-type: none"> • Check if the connections are properly made between the plasma display and the device that supports the the HDMI Control functions. (See page 89.) • Check if you have entered the settings properly for "Setting the HDMI Control". (See page 90.)
<ul style="list-style-type: none"> • No picture 	<ul style="list-style-type: none"> • Check if the connections are properly made between the plasma display and the device that supports the HDMI Control functions. (See page 89.) • Check if you have entered the settings properly for "Setting the HDMI Control". (See page 90.)
<ul style="list-style-type: none"> • No sound 	<ul style="list-style-type: none"> • Check if the connections are properly made between the plasma display and the device that supports the HDMI Control functions. (See page 89.) • Check if you have entered the settings properly for "Setting the HDMI Control". (See page 90.) • Check if you have an HDMI controlled AV system connected to one HDMI terminal and the recorder or player connected to another HDMI terminal on the plasma display. When connected this way, audio out from the recorder/ player does not go through the plasma display SPDIF terminal resulting in no sound to the AV system. When using an AV system and recorder or player, be sure to connect the recorder or player to the AV system input terminal.
<ul style="list-style-type: none"> • An error message "The device cannot be operated. Please check the connection." appears. 	<ul style="list-style-type: none"> • Check if the connections are properly made between the plasma display and the device that supports the HDMI Control functions. (See page 89.) • Check if you have entered the settings properly for "Setting the HDMI Control". (See page 90.)

Home Media Gallery/NETWORK	
<ul style="list-style-type: none"> • No servers are found 	<ul style="list-style-type: none"> • Confirm that the PC is On and not in Standby or Sleep. (nothing is chosen in "Select Servers"). When the PC has started with the "Wake On LAN" (WOL), check if the PC complies with WOL or if the WOL setup has been properly done on the device manager for BIOS or Windows. • Check the physical connections (hub, 100BASE-TX/10BASE-T, or crossed cable and other cable quality when cabled directly to a PC). It is strongly recommended to use 100BASE-TX for playback quality and display speed. • Check the logical connections (IP Address setup, DHCP, etc.). Confirm the IP Address is correct if acquired by Auto IP and Firewall setup. Also check if the IP Address is properly acquired with DHCP on the "Network Setup" screen that follows the "Setup" menu. • Using two or more application servers on a single PC may cause unstable operation. For proper operation, it is strongly recommended that one application server is used on a single PC. • Check the PC if its media server is running. Restart if necessary. Check if one or more servers are On (this may cause malfunction). • Check if the PC is operating properly. Reboot the PC after confirming its specifications and setup. • Check the media server setup. If a client is registered manually the setup procedure may have to be run again. An option "Not Allowed" may have been selected for connections. • Check if UPnP (Universal Plug and Play) is enabled on your router. If it is not, enable it. Refer to your router's instruction manual for procedures. • Wait for a short period then select "Update to Latest Information" from the Tool Menu. (See page 78)
<ul style="list-style-type: none"> • No previously connected server(s) found (items in "Select Servers" are dimmed) 	<ul style="list-style-type: none"> • Refer to the possible solutions provided for "No servers are found".
<ul style="list-style-type: none"> • An available server is selected but cannot be navigated 	<ul style="list-style-type: none"> • Check if the server is correctly set up for file sharing, if the target folder has been deleted, or if one or more folders have been corrupted on the server. • Check if there are too many files in each folder.
<ul style="list-style-type: none"> • A server is arbitrarily selected 	<ul style="list-style-type: none"> • This arbitrary selection happens when the server you used before had been set to display the top menu screen (if you reset it, other servers connected are also reset). When the "Single Server/USB" option is selected on the "Auto Connection Setup" screen that follows the "Setup" menu, the server is automatically accessed if only one server is connected. Use the Tool Menu to select the proper server. (See page 78)
<ul style="list-style-type: none"> • File/folder configuration differs from one server to another (strange configuration) 	<ul style="list-style-type: none"> • The Media Navigator displays the server contents as classified by the server. • If no information (such as ID3 tag) is contained in the file, files cannot be classified on the server.
<ul style="list-style-type: none"> • "The list could not be acquired." appears on the Server List screen 	<ul style="list-style-type: none"> • Refer to the possible solutions provided for "No servers are found". • If the above does not solve the problem, try turning  off on the remote control unit then turn TV  on on the plasma display.
<ul style="list-style-type: none"> • A communication error message appears 	<ul style="list-style-type: none"> • Refer to the possible solutions provided for "No servers are found". • If the above does not solve the problem, try turning  off on the remote control unit then turn TV  on on the plasma display.

Problem	Possible Solution
Home Media Gallery/PLAYBACK	
<ul style="list-style-type: none"> Image or sound is interrupted or distorted (Block noise appears) 	<ul style="list-style-type: none"> Check the physical connections (hub, 100BASE-TX/10BASE-T, or crossed cable and other cable quality when cabled directly to a PC). It is strongly recommended to use 100BASE-TX for playback quality and display speed. Check if the PC is operating properly. Reboot the PC after confirming its specifications and setup. Check if the file complies to the supported format, bit rate or profile. Also check if the file is damaged. When connected by a wireless LAN, check if the bit rate is sufficient. Some files that comply with the supported format may not be played back or displayed.
<ul style="list-style-type: none"> Cannot play or display 	<ul style="list-style-type: none"> Check the physical connections (hub, 100BASE-TX/10BASE-T, or crossed cable and other cable quality when cabled directly to a PC). It is strongly recommended to use 100BASE-TX for playback quality and display speed. Check if the PC is operating properly. Reboot the PC after confirming its specifications and setup. Check if the file complies to the supported format, bit rate or profile. Also check if the file is damaged. Check if the leasing contract for the server has expired. When connected by a wireless LAN, check if the bit rate is sufficient. Some files that comply with the supported format may not be played back or displayed. It takes time to capture and display a large-sized image. If this is the case, no operation may be performed. See the Pioneer website (www.pioneerelectronics.com) for the formats that are supported.
Home Media Gallery/FIRMWARE	
<ul style="list-style-type: none"> No updates are possible on USB 	<ul style="list-style-type: none"> Check if the device is Mass Storage Class compliant, if it is connected properly, nothing is damaged (power unit, mode such as Mass Storage mode and media format, etc.), if it contains the supported files, and if the speed of the device is sufficient (poor device speed may result in interrupted or delayed display of images due to a bit-rate problem). When using a digital camera that is not Mass Storage Class compliant, insert the Flash Memory card into the multi-card reader. Confirm that the device is correctly inserted or removed. Check that the firmware file has been correctly downloaded. Also check the file size. See the Pioneer website (www.pioneerelectronics.com) for details.
Home Media Gallery/USB	
<ul style="list-style-type: none"> USB devices are not properly recognized 	<ul style="list-style-type: none"> Check if the device is Mass Storage Class compliant, if it is connected properly, nothing is damaged (power unit, mode such as Mass Storage mode and media format, etc.), if it contains the supported files, and if the speed of the device is sufficient (poor device speed may result in interrupted or delayed display of images due to a bit-rate problem). When using a digital camera that is not Mass Storage Class compliant, insert the Flash Memory card into the multi-card reader. Confirm that the device is correctly inserted or removed. No USB hub is supported. When you connect a home network, connect directly to the device's USB port.
<ul style="list-style-type: none"> Image or sound is interrupted or distorted (Block noise appears) 	<ul style="list-style-type: none"> Verify that the file complies with the supported format, bit rate or profile. Also check the file for damage. Some files that comply with the supported format may not play back or display properly. Check if the device is Mass Storage Class compliant, if it is connected properly, nothing is damaged (power unit, mode such as Mass Storage mode and media format, etc.), if it contains the supported files, and if the speed of the device is sufficient (poor device speed may result in interrupted or delayed display of images due to a bit-rate problem). When using a digital camera that is not Mass Storage Class compliant, insert the Flash Memory card into the multi-card reader.
Home Media Gallery/Slide Show	
<ul style="list-style-type: none"> Slideshow (photo content) doesn't start 	<ul style="list-style-type: none"> Check if the player is placed into the pause or rotation mode. If that is the case, press PLAY or ENTER to start the slideshow.
<ul style="list-style-type: none"> Next picture does not appear in the slideshow 	<ul style="list-style-type: none"> The time needed to display a picture may be longer than the time set to display in Slide Show settings. Reduce the picture size using a PC and try again. Slide Show only displays the supported files. If there is only one supported file, that file will remain on the display and not display any other files.

Problem	Possible Solution
OTHER	
<ul style="list-style-type: none"> TV-Guide data cannot be obtained. 	<ul style="list-style-type: none"> If TV-Guide data cannot be obtained with ANT.A selected for cable connection, select ANT.B for over the air. In addition, try the TV-Guide setup again by performing the following procedure (see page 33): <ul style="list-style-type: none"> Select "Antenna" for "Select service(s)" on Screen 3. Select "ANT B IN" on Screen 4.
<ul style="list-style-type: none"> An external device connected to the USB port does not operate. 	<ul style="list-style-type: none"> Check if the device is connectable to the display. (See page 73.) Re-insert the USB cable. (See page 73.) For connection, use a USB cable shorter than 5 m. (See page 73.) Check if the USB cable is properly connected. (See page 73.) First turn the power off and then turn it on again in order to check if the external device works correctly. Check if the external device works correctly after the USB device was restarted. Check if the digital still camera is in the viewing mode. Refer to the instruction manual for the digital still camera.
<ul style="list-style-type: none"> Photo data stored in a digital still camera cannot be read through USB interface. 	<ul style="list-style-type: none"> Check if the device is connectable to the display. (See page 73.) Check if the digital still camera is turned on.
<ul style="list-style-type: none"> Panel sounds / noises 	<ul style="list-style-type: none"> Panel generated sounds, examples: Fan motor noise, Electrical Circuit Humming / Glass Panel buzzing are normal operation of a phosphor-based matrix display.
<ul style="list-style-type: none"> Screen displays uneven brightness on the sides. 	<ul style="list-style-type: none"> Display content that completely fills the screen until unevenness is minimized. Some signals may require to change the AV mode setting. (See page 62.)

If the following error codes appear on the screen, check the corresponding items in the table.

Code	Message	Check
SD04 and SD11	Powering off. Internal temperature too high. Check temperature around PDP.	Check if the ambient temperature of the plasma display is high.
SD05	(PRO-1150HD) Internal protection circuit turns power off. Is there a short in speaker cable? (PRO-950HD) Internal protection circuit turns power off.	Check the speaker cable connections between the plasma display and the speakers. Contact the nearest Pioneer Authorized Independent Service Company, or the Customer Support Division. (See back cover.)

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 September 12, 2004

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That's all there is to it!

Specifications

Item	50" plasma display model: PRO-1150HD	42" plasma display model: PRO-950HD
Number of pixels	1365 × 768 pixels	1024 × 768 pixels
Audio Amplifier	17 W + 17 W (1 kHz, 10 %, 6 Ω)	17 W + 17 W (1 kHz, 10 %, 6 Ω)
Speakers	Woofer: 6.6 cm x 10.6 cm cone type Tweeter: 2.5 cm semidome type	Woofer: 4.8 cm x 13 cm cone type Tweeter: 2.5 cm semidome type
Sound Effect	SRS FOCUS/SRS/SRS TruBass	SRS FOCUS/SRS/SRS TruBass
Power Requirement	120 V AC, 60 Hz, 376 W (23 W Standby)	120 V AC, 60 Hz, 320 W (23 W Standby)
Weight	Main unit: 34.8 kg (76.7 lbs.) Stand: 2.5 kg (5.6 lbs.) (including bolts) Speaker system: 3.5 kg (7.7 lbs.) (including cables, mounting fittings and screws) Total: 40.8 kg (89.9 lbs.)	Main unit: 29.9 kg (65.9 lbs.) Stand: 1.9 kg (4.2 lbs.) (including bolts) Total: 31.8 kg (70.1 lbs.)
Reception System (Digital)	ATSC Digital TV system	
Circuit type	8VSB/64QAM/256QAM/QPSK demodulation	
Tuner	VHF Ch. 2 to 13 UHF Ch. 14 to 69	
CATV	Ch. 2 to 135	
Audio format	Dolby Digital	
Reception System (Analog)	American TV standard NTSC system	
Circuit type	Video signal detection PLL full synchronous detection, PLL digital Synthesizer system	
Tuner	VHF Ch. 2 to 13 UHF Ch. 14 to 69	
CATV	ANT/CABLE A IN Ch. 1 to 135 ANT B IN Ch. 1 to 125	
Audio multiplex	BTSC system	
Terminals	Rear	
	ANT/CABLE A IN	75 Ω UNBAL, F Type for DTV/VHF/UHF/CATV in
	ANT B IN	75 Ω UNBAL, F Type for VHF/UHF/CATV in
	INPUT 1	S-VIDEO in, VIDEO in, AUDIO in
	INPUT 2	COMPONENT VIDEO in, VIDEO in, AUDIO in
	INPUT 4	HDMI in*, AUDIO in
	PC INPUT	Analog RGB in, AUDIO in
	INPUT 5	HDMI in*, AUDIO in
	INPUT 6	HDMI in*
	INPUT 7	HDMI in*
	AUDIO OUT	AUDIO out (Fixed)
	IR REPEATER OUT	1
	DIGITAL OUT	Optical
	ETHERNET	1
	CONTROL OUT	1
	SPEAKERS	6 Ω to 16 Ω
	SUB WOOFER	Variable
	CableCARD	Point of Deployment
	Side	
	INPUT 3	COMPONENT VIDEO in, VIDEO in, AUDIO in
	PHONES	16 Ω to 32 Ω recommended
	USB	USB in**
On-screen display languages	English/French/Spanish	

* This conforms to HDMI1.3 and HDCP1.1.

HDMI (High Definition Multimedia Interface) is a digital interface that handles both video and audio using a single cable.
HDCP (High-bandwidth Digital Content Protection) is a technology used to protect copyrighted digital contents that use the Digital Visual Interface (DVI).

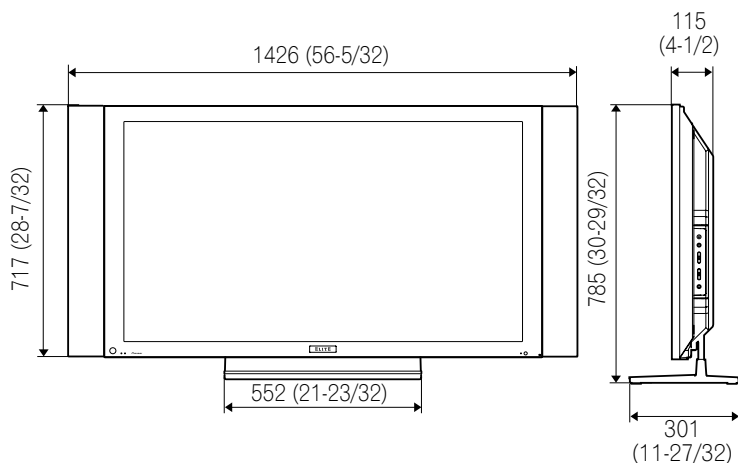
** This conforms to USB 1.1 and 2.0 .

• Design and specifications are subject to change without notice.

Dimensions

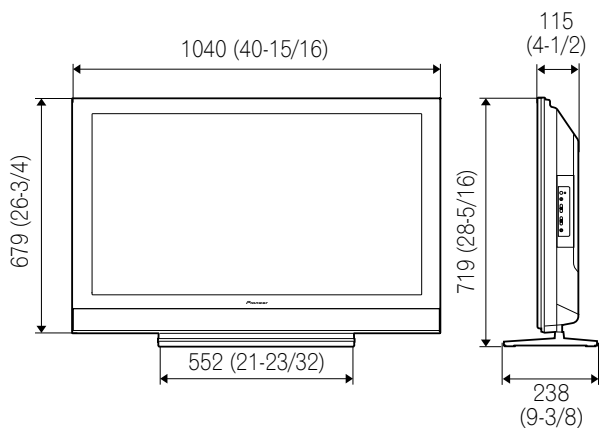
PRO-1150HD

Unit: mm (inch)




PRO-950HD

Unit: mm (inch)



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- When downloading software updates from the Pioneer website and performing updating procedures (according to the item "Software Update" on page 85), make sure that your connections from the network to your USB flash drive, and from your USB flash drive to the plasma display, are uninterrupted.
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Please take the time to register your DCR compatible Plasma TV at

www.pioneerelectronics.com

This registration enables us to keep you up to date on changes that may occur.

Thank you very much.

Note:

DCR function will work only for USA.

DCR function will not work in Canada.

Software update for the Home Media Gallery

You can also update the software for the Home Media Gallery at the Pioneer website above. For details, see page 89.

Should this product require service in the U.S.A. and you wish to locate the nearest Pioneer Authorized Independent Service Company, or if you wish to purchase replacement parts, operating instructions, service manuals, or accessories, please call the number shown below.

8 0 0 - 4 2 1 - 1 6 2 5

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Pioneer Electronics (USA) Inc.
Customer Support Division
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905-479-4411

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S018_B_EF

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