

Flat Panel Display

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Manual de instrucciones	ES
Istruzioni per l'uso	IT
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お買い上げいただきありがとうございます。



電気製品は安全のための注意事項を守らないと、
火災や人身事故になることがあります。

この取扱説明書には、事故を防ぐための重要な注意事項と製品の取り扱い方を示してあります。この取扱説明書をよくお読みのうえ、製品を安全にお使いください。お読みになったあとは、いつでも見られるところに必ず保管してください。

PFM-42V1/42V1E/42V1N/42V1P/ 42V1A

WARNING

Owner's Record

The model and serial numbers are located on the rear. Record the model and serial numbers in the spaces provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. _____ Serial No. _____

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

On transportation

When you carry the display unit, hold the unit itself, not the speakers. If you fail to do so, the speakers may come out of the unit and the unit may fall. This can cause injury.

For customers in the U.S.A.

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

Declaration of Conformity

Trade Name:	SONY
Model:	PFM-42V1/PFM-42V1P/ PFM-42V1A
Responsible Party:	Sony Electronics Inc.
Address:	16450 W. Bernardo Dr, San Diego, CA 92127 U.S.A.
Telephone Number:	858-942-2230

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

This 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.

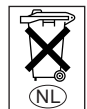
You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

For customers in Canada

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

Voor de klanten in Nederland

- Dit apparaat bevat een vast ingebouwde batterij die niet vervangen hoeft te worden tijdens de levensduur van het apparaat.
- Raadpleeg uw leverancier indien de batterij toch vervangen moet worden. De batterij mag alleen vervangen worden door vakbekwaam servicepersoneel.
- Gooi de batterij niet weg maar lever deze in als klein chemisch afval (KCA).
- Lever het apparaat aan het einde van de levensduur in voor recycling, de batterij zal dan op correcte wijze verwerkt worden.



The socket-outlet should be installed near the equipment and be easily accessible.

Caution

Risk of explosion if batteries are replaced by an incorrect type. Dispose of used batteries according to the instructions.

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Precautions

On safety

- A nameplate indicating operating voltage, power consumption, etc. is located on the rear of the unit.
- Should any solid object or liquid fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- Unplug the unit from the wall outlet if it is not to be used for several days or more.
- To disconnect the AC power cord, pull it out by grasping the plug. Never pull the cord itself.
- When you install the unit on the floor, be sure to use the optional stand.

On installation

- Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes.
- Do not install the unit in a location near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.
- When you install multiple equipment with the unit, the following problems, such as malfunction of the Remote Commander, noisy picture, noisy sound, may occur depending on the position of the unit and other equipment.
- Communication problems may occur if the infrared communication equipment (e.g., infrared cordless headphones or microphones) is used near the display. Please use headphones or microphones other than infrared cordless headphones or microphones. If you must use the infrared communication equipment, move it away from the display until the noise is eliminated, or move the transmitter and receiver of the infrared communication equipment closer together.

On the PDP (Plasma Display Panel)

- You may see some bright spots of red, blue or green, or dark spots appearing on the screen. These do not indicate a malfunction. Although the plasma display panel is manufactured with extremely high precision technology, it can generate a few dark or bright pixels. Dark spots on the edge of the screen, or striped color and brightness irregularities do not indicate a malfunction.
- Do not display the same still image on the screen for a long time. Otherwise, an afterimage or ghost may appear on a part of the panel. Use the screen saver function to equalize use of the screen display.

- Because of the way it is made, when this plasma display panel is used in places with low air pressure, such as at high altitudes, a buzzing or humming noise may emanate from the unit.
- If you continue to display the same image on the screen for a long period of time, part of that image may burn into the screen and leave a ghosting image behind. To avoid this, please use the screen saver function provided to equalize use over the entire screen. If ghosting occurs, use the screen saver function, or use video or imaging softwares to provide constant movement on the screen. If slight ghosting (image burn-in) occurs, it may become less conspicuous, but once burn-in occurs, it will never completely disappear.
- To protect the plasma display, this unit will not accept commands from the Remote Commander or from the function buttons on the unit for a certain period of time after the unit has been switched ON/STANDBY. After one of these operations, wait about 8 seconds before entering a command.

On cleaning

To keep the unit looking brand-new, clean it periodically with a mild detergent solution. Never use strong solvents such as thinner or benzene, or abrasive cleansers since these will damage the cabinet. As a safety precaution, unplug the unit before cleaning it.

Notes on handling and cleaning the display panel

The display panel's special surface finish should be treated with care when cleaning or handling the TV. When cleaning it, use a soft cleaning cloth to avoid touching the panel directly.

On repacking

Do not throw away the carton and packing materials. They make an ideal container in which to transport the unit. When shipping the unit, repack it as illustrated on the carton.

If you have any questions on this unit, contact your authorized Sony dealers.

Features

The PFM-42V1 Series is 16:9 42-inch flat panel display utilizing a PDP (Plasma Display Panel), which can accept various types of signals with the built-in scan converter.

Bright and clear image

The PFM-42V1 Series utilizes a bright plasma display panel with 852 dots × 480 lines. This allows bright and clear image reproduction from a variety of image sources.

Digital high picture quality circuit

Consistent digital processing of all image signals results in faithful reproduction of high-quality images.

Audio amp and speaker out sockets

This display is equipped with high sound quality digital amps, which when combined with optional speakers, provides you with effective presentation.

Other features

- Speaker out (L/R) sockets
- Control S (IN/OUT)
- DVI-D input* (Does not support copy protection.)
- Displays an HDTV signal with a tri-level sync signal.
- Three dimensional comb filter for NTSC Y/C separation
- Line correlation comb filter for PAL Y/C separation.
- Automatic input signal detection with on-screen indication
- Windows¹⁾98/2000/ME/XP PnP (Plug and Play) compatibility
- Dynamic picture function
- On-screen menu for various adjustments and settings
- On-screen display in six languages for user-friendly access (Languages: English, German, French, Italian, Spanish, and Japanese)
- Fine adjustment of image size and position
- Memory function for storage of up to twenty picture settings
- ID control
- Remote (RS-232C) connector (D-sub 9-pin)
- Accepts commands from infrared Sony Remote Commanders using SIRCS code
- Closed caption decoder
- Screen saver to reduce afterimage or ghosting
- An option slot is in place for future expansion. The slot-in optional adaptor allows for quick and easy system upgrades.

* Except for the PFM-42V1N

Warning on power connection

Use the proper power cord for your local power supply.

PFM-42V1 Series

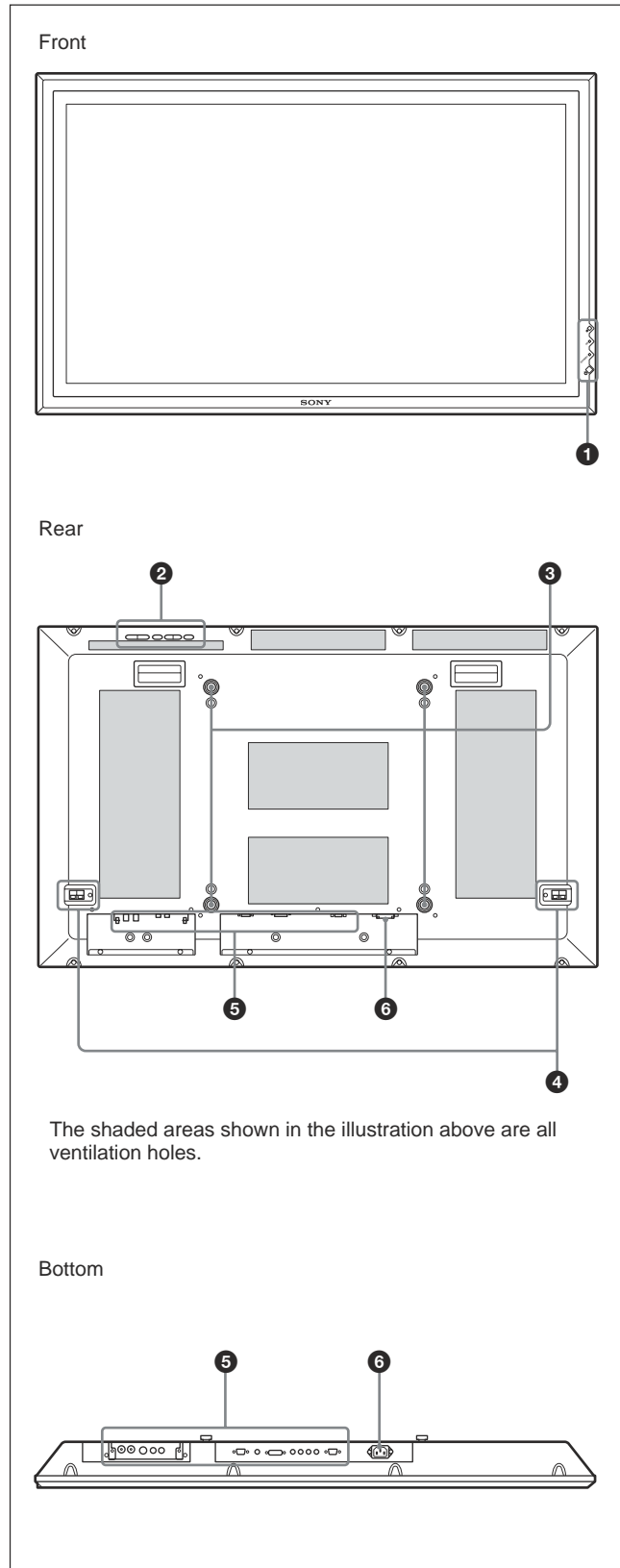
	United States, Canada	Continental Europe		United Kingdom, Ireland, Australia, New Zealand	Japan
Plug type	VM0233	COX-07	636	— ^{a)}	VM1296
Female end	VM0089	COX-02	VM0310B	VM0303B	VM1313
Cord type	SVT	H05VV-F		CEE (13) 53rd (O.C)	HVCTF
Minimum cord set rating	10A/125V	10A/250V		10A/250V	10A/125V
Safety approval	UL/CSA	VDE		VDE	DENAN-HO

a) Note: Use an appropriate rating plug which complies with local regulations.

1) Windows is a registered trademark of the Microsoft Corporation (U.S.A. and other countries).

Location and Function of Parts and Controls

Front / Rear / Bottom



❶ ⏻ (standby) switch / indicator section

For details on the ⏻ (standby) switch / indicator section, see “⏻ (standby) Switch / Indicator Section” on page 8 (GB).

❷ Control button section

For details on the control button section, see “Control Button Section (Top)” on page 8 (GB).

❸ Stand installation hooks

Use these hooks to install the stand (not supplied).

❹ SPEAKER Socket

Connects the speakers (not supplied) to this socket to output the audio matching the signal displayed on the screen.

❺ Connector panel

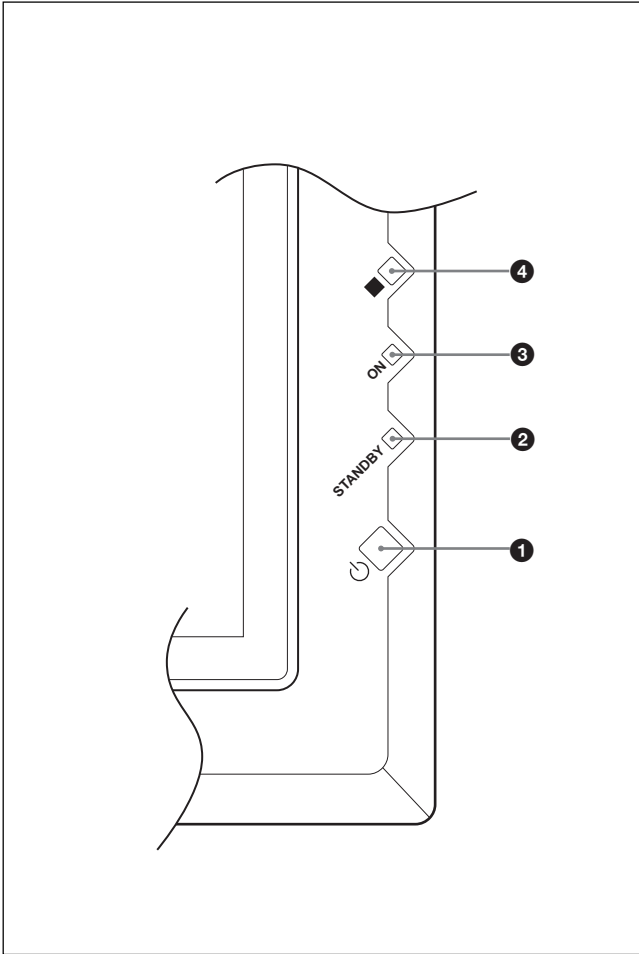
For details on the connector panel, see “Connector Panel” on page 9 (GB).

❻ ~ AC IN socket

Connect the supplied AC power cord to this socket and to a wall outlet. Once you connect the AC power cord, the STANDBY indicator lights up in red and the display goes into the standby mode.

For more details on the power cord, see “Connecting the AC Power Cord” on page 15 (GB).

⏻ (standby) Switch / Indicator Section



❶ ⏻ (standby) switch

Press to power on the display unit. Press again to return to the standby mode.

Note

To protect the panel, a certain amount of time is required to turn the unit ON/STANDBY. Wait about 8 seconds after one of these operations before pressing this switch again.

❷ STANDBY indicator

Lights up in red in the standby mode.

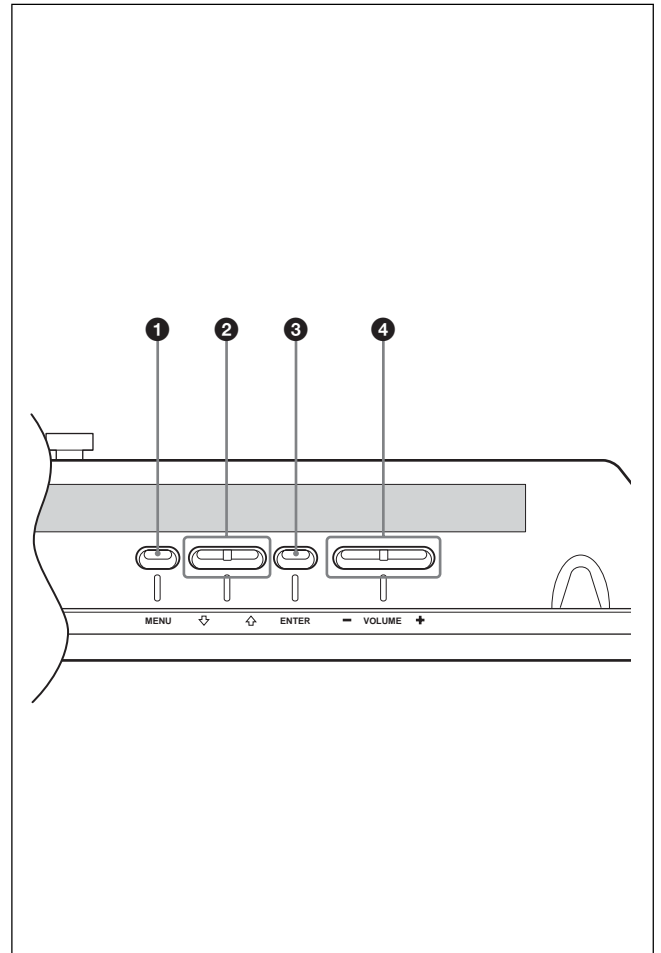
❸ ON indicator

Lights up in green when the display unit is powered on.

❹ Remote control detector

Receives the signals from the Remote Commander.

Control Button Section (Top)



❶ MENU button

Press to show menus. Press again to hide them.
To use the MENU button to return to the previous menu level, see "Initial Setup menu" on page 23 (GB).

❷ ↓/↑ buttons

Press to move the cursor (yellow) to an item you want to select or to adjust a value in a menu.

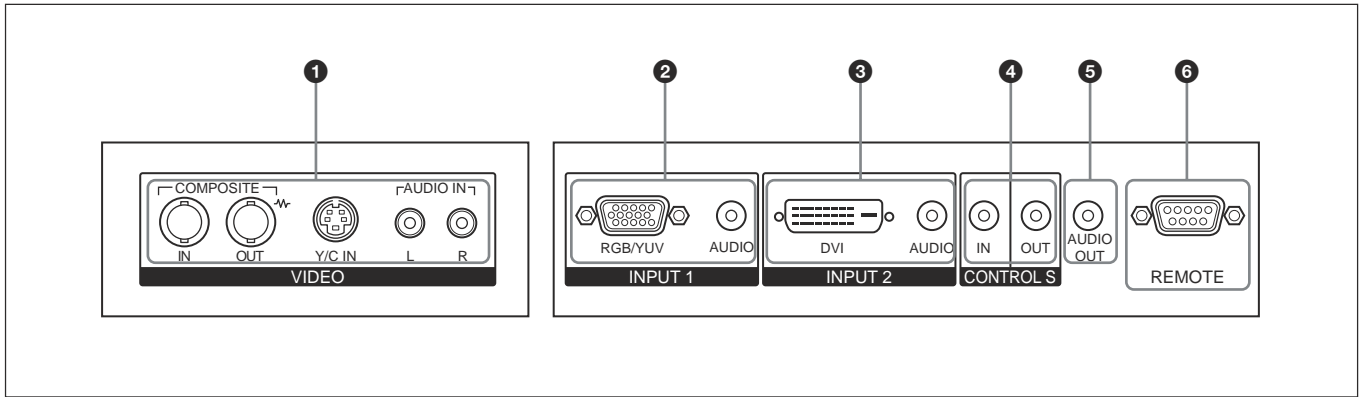
❸ ENTER button

Press to set your choice.

❹ VOLUME +/- button

Press to adjust the speaker volume.

Connector Panel



❶ VIDEO connectors

The PFM-42V1E and 42V1N are not equipped with VIDEO connectors. For these models, composite video and Y/C input can be input when the Video Input Adaptor BKM-V10 (not supplied) is installed in the display.

COMPOSITE IN (BNC) : Connects to the composite video signal output of a piece of video equipment.

COMPOSITE OUT (BNC) : Connects to the composite video signal input of a piece of video equipment.

Y/C IN (Mini DIN 4-pin) : Connects to the Y/C signal output of a piece of video equipment.

AUDIO IN L/R (Pinjack) : Inputs an audio signal. Connects to the audio output of a piece of video equipment.

❷ INPUT1 (ANALOG RGB/YUV IN) connectors

RGB/YUV (D-sub 15-pin) : Connects to the analog RGB signal or component (YUV) signal output of a piece of video equipment.

AUDIO (Stereo minijack) : Inputs an audio signal. Connects to the audio output of a piece of video equipment.

❸ INPUT2 (DIGITAL RGB IN) connectors *

DVI : Connects to the digital RGB signal output of a computer.

AUDIO (Stereo minijack) : Inputs an audio signal. Connects to the audio output of a computer.

Connect the supplied cable to the DVI connector.

❹ CONTROL S IN/OUT (Control S Signal Input/Output) Connector (Minijack)

You can control multiple devices with a single remote commander when connected to the CONTROL S connector of a video device or other display. Connect the CONTROL S OUT connector on this display to the CONTROL S IN connector of the other device, and connect the CONTROL S IN connector on this display to the CONTROL S OUT connector of the other device.

❺ AUDIO OUT (Stereo minijack)

Outputs an audio of the signal currently indicated on the screen.

❻ REMOTE (RS-232C) connector (D-sub 9-pin)

This connector allows remote control of the display using the RS-232C protocol. For details, contact your authorized Sony dealers.

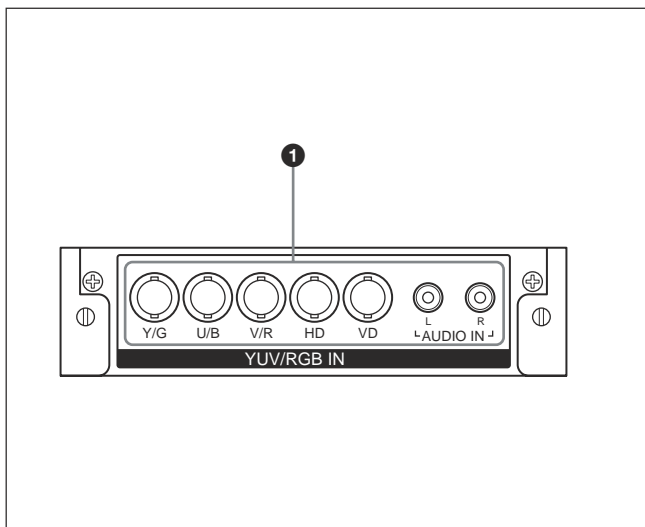
* The PFM-42V1N is not equipped with the INPUT2 connectors.

Component/RGB Input Adaptor BKM-V11 (not supplied)

The VIDEO connectors are slot-in connectors. You can replace the VIDEO connectors (Video Input Adaptor BKM-V10) with a Component/RGB Input Adaptor BKM-V11 (not supplied.)

For the PFM-42V1E and 42V1N, you can install either BKM-V11, BKM-V10 or BKM-V12.

For details on installation, contact your authorized Sony dealer.



1 YUV/RGB IN connectors

YUV/RGB IN (BNC) : Connects to the analog RGB signal or component (YUV) signal output of a piece of video equipment.

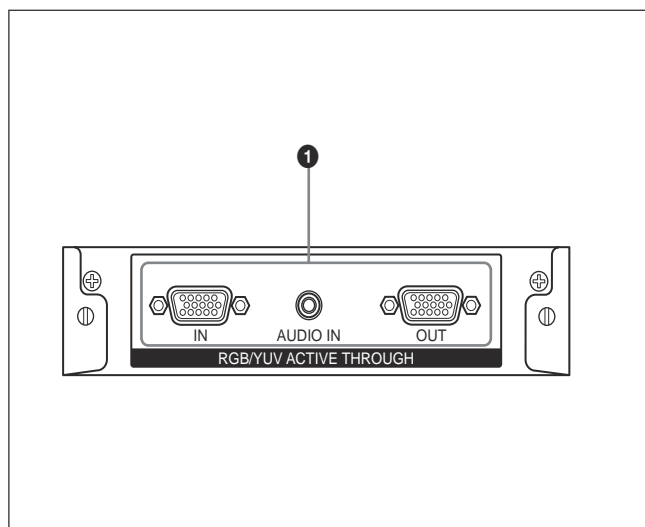
AUDIO IN L/R (Pinjack) : Inputs an audio signal. Connects to the audio output of a piece of video equipment.

RGB/Component Active Through Adaptor BKM-V12 (not supplied)

The VIDEO connectors are slot-in connectors. You can replace the VIDEO connectors (Video Input Adaptor BKM-V10) with an RGB/Component Active Through Adaptor BKM-V12 (not supplied.)

For the PFM-42V1E and 42V1N, you can install either BKM-V11, BKM-V10, or BKM-V12.

For details on installation, contact your authorized Sony dealer.



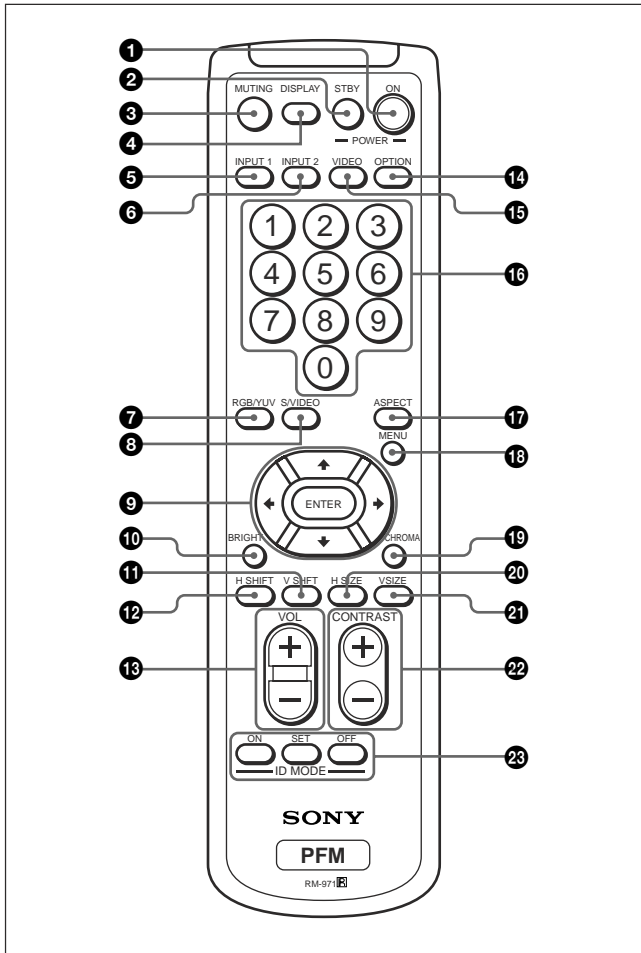
1 RGB/YUV ACTIVE THROUGH connectors

RGB/YUV IN (analog RGB/component signal input) (D-sub 15-pin) : Connects to the analog RGB signal or component (YUV) signal output of a piece of video equipment or a computer.

AUDIO IN (Stereo minijack) : Inputs an audio signal. Connects to the audio output of a piece of video equipment or a computer.

RGB/YUV OUT (analog RGB/component signal active through output) (D-sub 15-pin) : Outputs the signal input through the RGB/YUV IN (analog RGB/component signal input) connectors on this adaptor.

Remote Commander RM-971



1 POWER ON switch

Press to power on the display.

2 STANDBY button

Press to change the display to the standby mode.

3 MUTING button

Press to mute the sound. Press again to restore sound.

4 DISPLAY button

Press to display the input signal information and the picture mode on the screen. Press again to hide them. If this displayed information is left undisturbed for a short time, it will disappear automatically.

5 INPUT1 button

Press to select the signal input to the INPUT1 connectors.

6 INPUT2 button

Press to select the signal input to the INPUT2 connectors.

7 RGB/YUV button

Press to select the format matching that of the input signal connected to the INPUT1 connector. Each press toggles between RGB and component (YUV).

8 S/VIDEO button

Press to select the signal input to the VIDEO connectors. Each press toggles between COMPOSITE IN and Y/C IN.

9 ↑/↓/←/→/ENTER buttons

The ↑/↓/←/→ buttons move the menu cursor (yellow) and set values, etc. Pressing the ENTER button sets the selected menu or setting items.

10 BRIGHT button

Adjusts the brightness when Picture Mode is set to any of "User1" to "User3." Press this button, then adjust the brightness with ↑/↓ or ←/→ buttons 9.

11 V SHIFT button

Adjusts the vertical centering. Press this button, then adjust the vertical centering with ↑/↓ or ←/→ buttons 9.

12 H SHIFT button

Adjusts the horizontal centering. Press this button, then adjust the horizontal centering with ↑/↓ or ←/→ buttons 9.

13 VOLUME +/- button

Press to adjust the volume.

14 OPTION button

Selects the signal input to an optional adaptor (except BKM-V10) when you install one in the unit.

15 VIDEO button

Press to select the signal input to the COMPOSITE IN or Y/C IN of the VIDEO connectors.

16 Number buttons

Press to enter index numbers.

17 ASPECT button

Press to change the aspect ratio (Wide Mode).

18 MENU button

Press to show menus. Press again to hide them. To use the MENU button to return to the previous menu level, see "Initial Setup menu" on page 23 (GB).

19 CHROMA button

Adjusts the chroma when the picture mode is set to any of "User1" to "User3." Press this button and adjust the chroma with the ↑/↓ or ←/→ buttons 9.

20 H SIZE button

Adjusts the horizontal picture size. Press this button, then adjust the horizontal picture size with \uparrow/\downarrow or \leftarrow/\rightarrow buttons **9**.

21 V SIZE button

Adjusts the vertical picture size. Press this button, then adjust the vertical picture size with \uparrow/\downarrow or \leftarrow/\rightarrow buttons **9**.

22 CONTRAST +/- button

Adjusts the contrast when Picture Mode is set to any of "User1" to "User3."

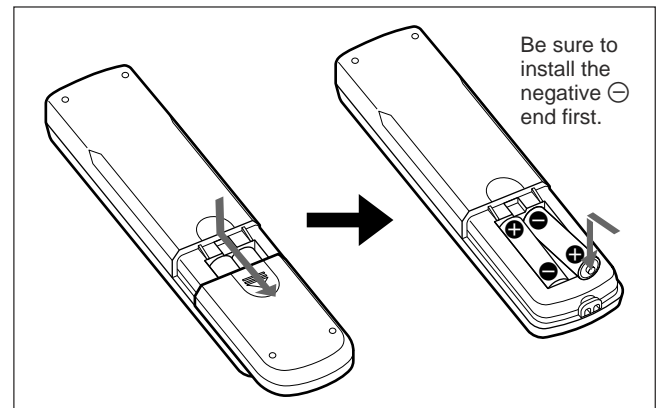
23 ID MODE (ON/SET/OFF) buttons

Press ON to show an index number on the screen. Enter the index number of the display you want to operate with Number buttons **16**, then press SET. Press OFF to return to the normal mode.

For details on the index numbers, see "Operating a Specific Display With the Remote Commander" on page 49 (GB).

Installing batteries

Insert two size AA (R6) batteries in correct polarity.



- In normal operation, batteries will last up to half a year. If the Remote Commander does not operate properly, the batteries might be exhausted sooner. Replace them with new ones.
- To avoid damage from possible battery leakage, remove the batteries if you do not plan to use the Remote Commander for a fairly long time.

Caution

Risk of explosion if batteries are replaced by an incorrect type. Dispose of used batteries according to the instructions.

When the Remote Commander does not work

Check that the STANDBY indicator lights up and the Remote Mode in the Remote menu is not set to Off. The Remote Commander operates the display only when both of the two conditions below are met.

- The display is turned on, or it is in the standby mode.
- The Remote Mode in the Remote menu is set to "ON."

For details on the Remote Mode, see "Remote menu" on page 24 (GB).

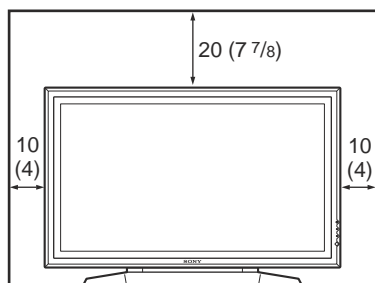
Caution

Provide an ample amount of space around the display

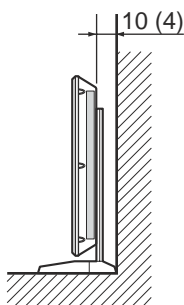
- When you use the display, make sure there is more space around the display than that shown in the figure below. This will allow for proper ventilation.
- The ambient temperature must be 0 °C to +35 °C (32 °F to 95 °F).
- When installing the display horizontally, use the display stand SU-42B (not supplied) as a stand.
- Regarding the installation of hardware such as brackets, screws, or bolts, we cannot specify the products. Actual installation is up to the authorized local dealers. Consult with qualified Sony personnel for installation.
- While the unit is on, a certain amount of heat builds up inside. This can cause burns. Avoid touching the top or rear of the unit when it is powered on or just after it has entered standby mode.

When using the stand (not supplied)

Front



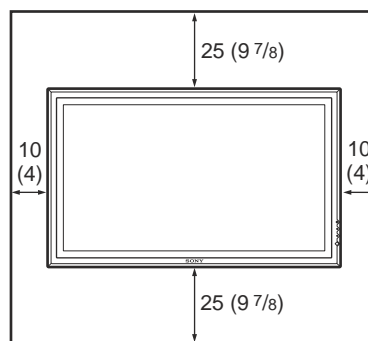
Side



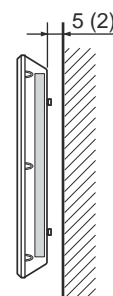
Units: cm (inches)

When mounting the display horizontally

Front



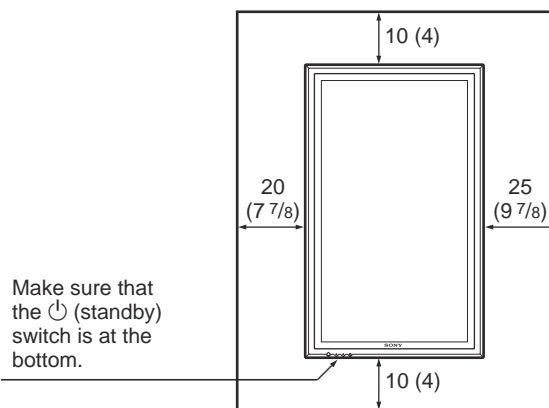
Side



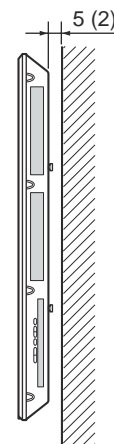
Units: cm (inches)

When mounting the display vertically

Front



Side



Units: cm (inches)

Notes on Image Retention

If the **1** – **5** are displayed for an extended period of time, image retention (afterimage) in areas of the screen may result due to the characteristics of the Plasma Display Panel. It is possible to reduce image retention by following steps **A** – **D**.

Situations which can result in burn-in and picture retention

- 1** Black bars at the top and bottom that appear with a wide video source (Letter box picture)
- 2** Black bars to the left and right that appear with a 4:3 video source (conventional TV broadcast)
- 3** Video game
- 4** DVD on-screen menu displays
- 5** On-screen menus, channel numbers, etc., of connected equipment such as DSS, Cable boxes, video decks, etc.

Precautions to avoid/reduce burn-in and picture retention

- A** Use the automatic orbiting Screen Saver function.
- B** Avoid displaying channel numbers, on-screen menus etc., of connected equipment such as DSS, Cable boxes, video decks, etc. To erase channel numbers, on-screen menus, refer to the user manual of connected equipment.
- C** Reduce brightness of the picture and/or display video source in “Expd. 4:3” mode or “16:9” mode.
- D** It is possible to reduce minor image retention with the “Pic. Inversion” (Picture Inversion) function of “Screen Saver,” however, you cannot remove it once it has occurred.

Notes on the “Pic. Inversion (Picture Inversion)” function of “Screen Saver”

If the displayed image appears as an image like a film negative, “Pic.Inversion (Picture Inversion)” of “Screen Saver” may be set to “Auto,” or “On.” To return to a normal image, select “Off” or reset the specified time in “Auto.”

Pic. Inversion (Picture Inversion) inverts the tint of the picture (Example: white to black, black to white) and corrects the image retention (afterimage) with displayed image on. The image looks like a film negative during picture inversion. This is not a malfunction.

Connections

Before you start

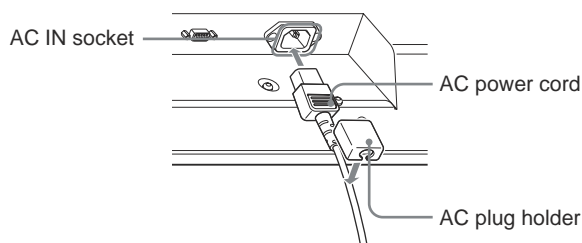
- First make sure that the power to each piece of equipment is turned off.
- Use connecting cables suitable for the equipment to be connected.
- The cable connectors should be fully inserted into the jacks. A loose connection may cause hum and other noise.
- To disconnect the cable, pull it out by grasping the plug. Never pull the cable itself.
- Refer to the instruction manual of the equipment to be connected.
- Insert the plug securely into the AC IN socket.
- Use one of the two AC plug holders (supplied) that will securely hold the AC plug.

Connecting the Speakers

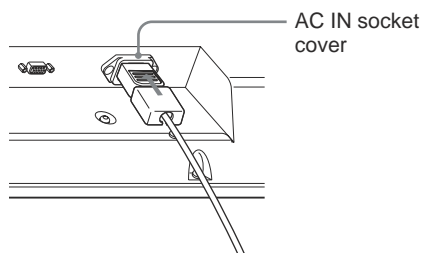
You can enjoy viewing with a greater sense of presence by connecting speakers SS-SP20B (not supplied). Please be sure to connect the speakers correctly. For more details on connecting the speakers, see the operating manual that came with the speakers.

Connecting the AC Power Cord

- 1 Plug the AC power cord into the AC IN socket. Then, attach the AC plug holder (supplied) to the AC power cord.



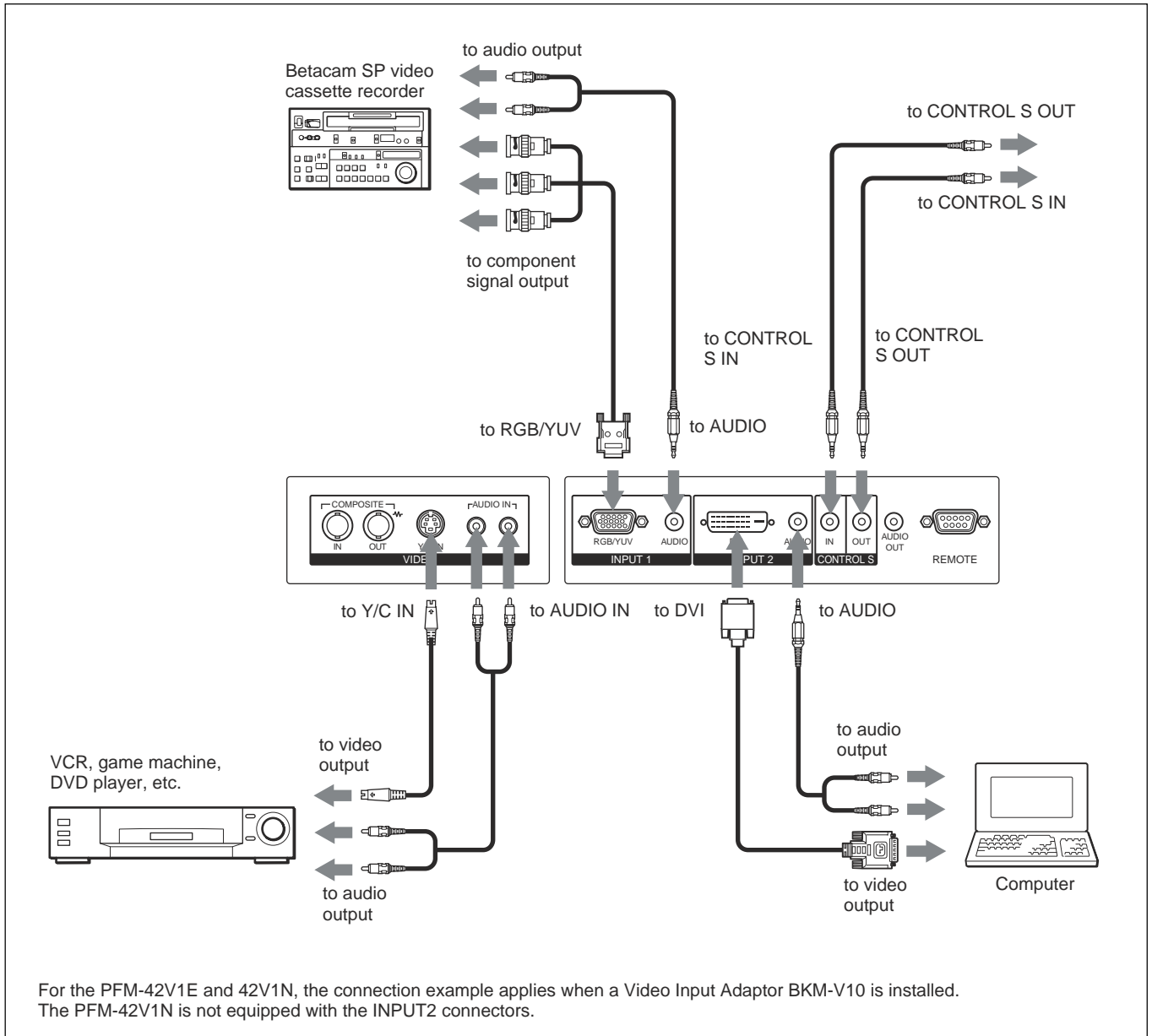
- 2 Slide the AC plug holder over the cord until it connects to the AC IN socket cover.



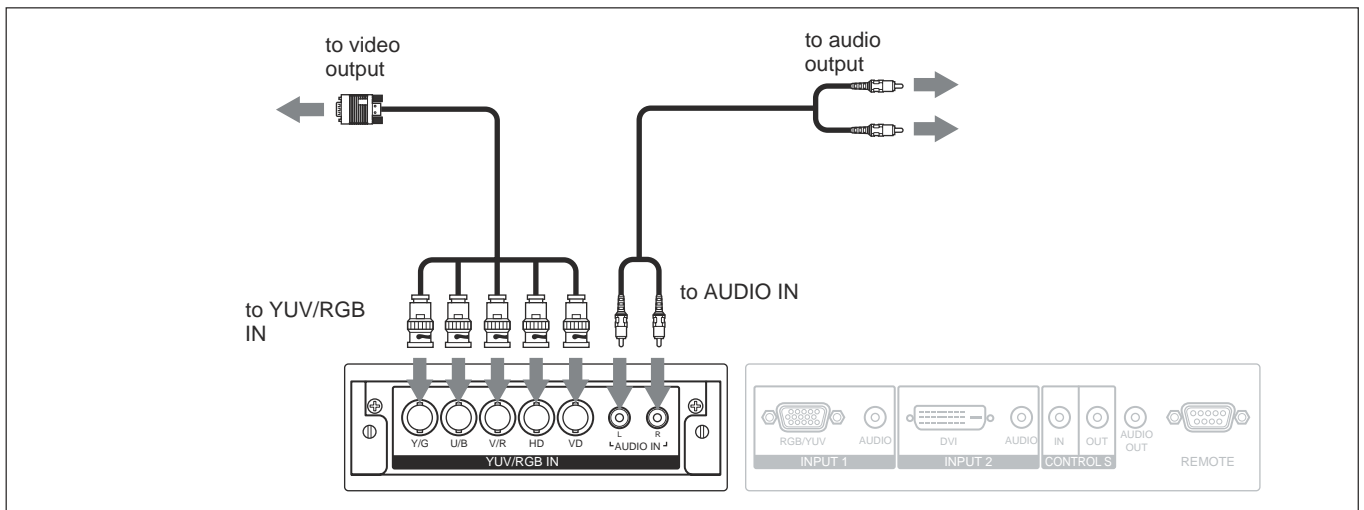
To remove the AC power cord

After squeezing the AC plug holder and freeing it, grasp the plug and pull out the AC power cord.

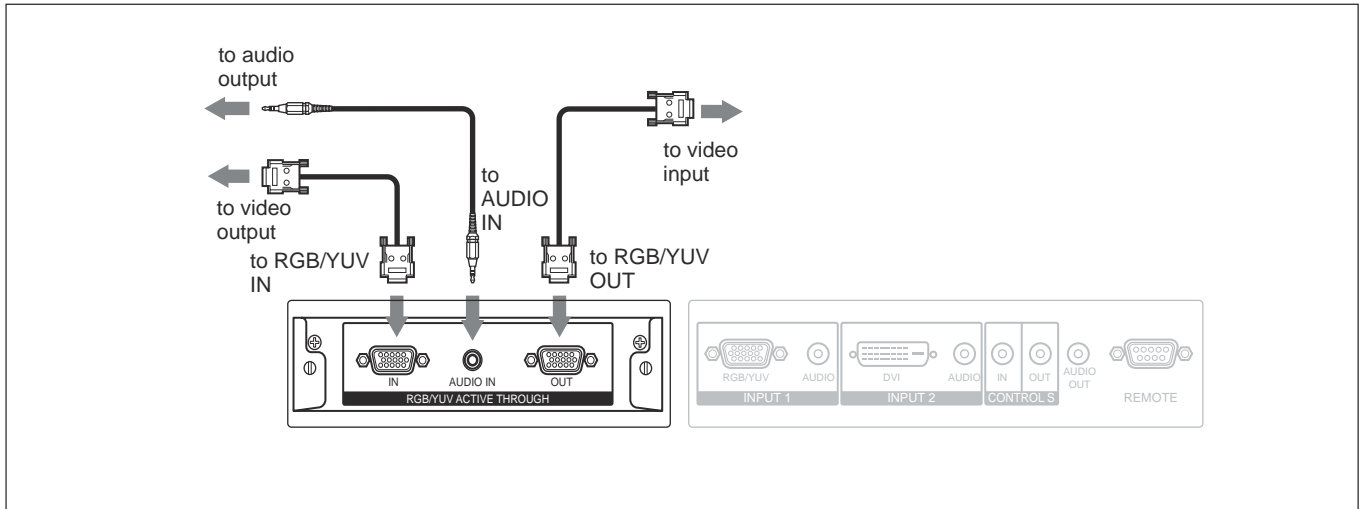
Connection Example



When a Component/RGB Input Adaptor BKM-V11 is installed

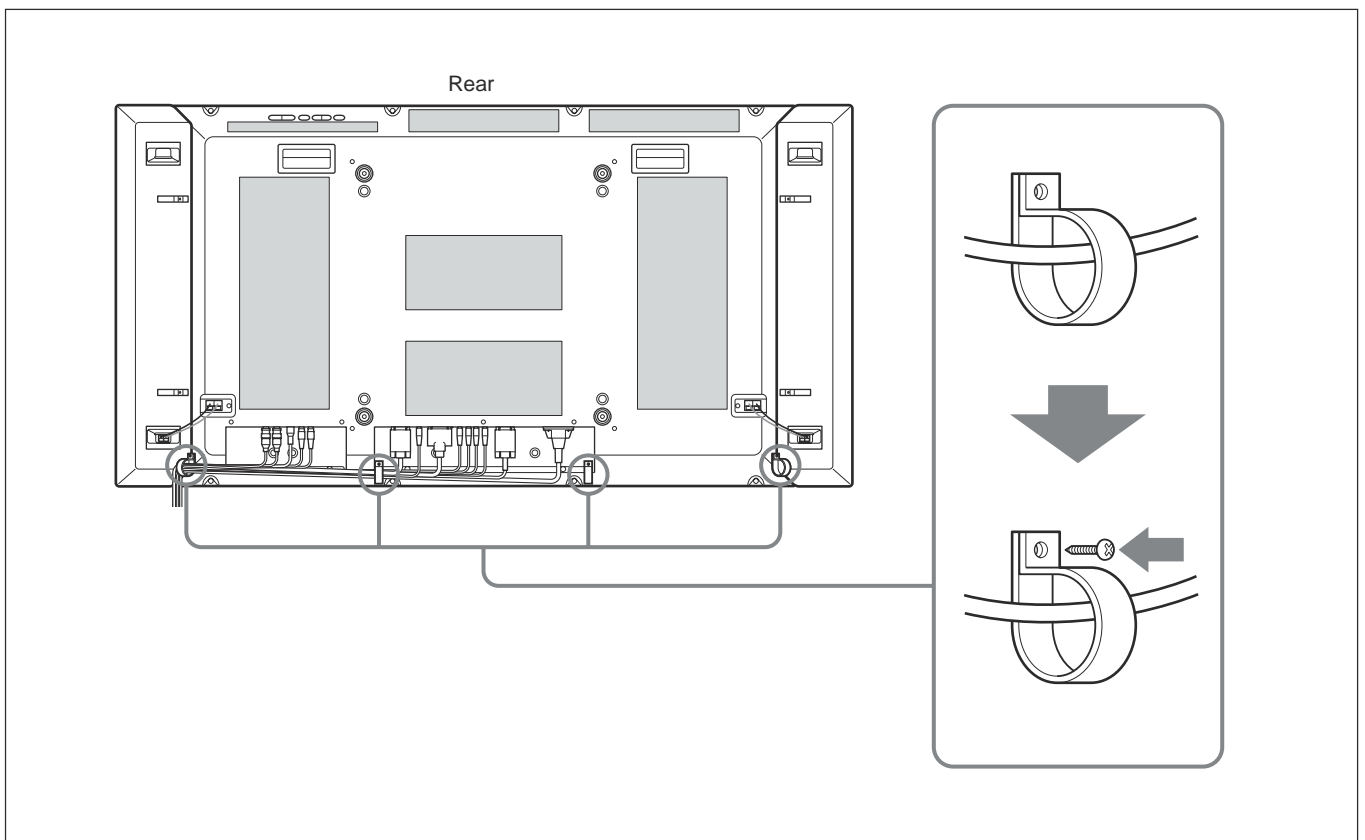


When an optional RGB/Component Active Through Adaptor BKM-V12 is installed



Using the cable holders

You can neatly bundle the cables with the cable holders (×4) provided. Attach the cable holders as shown in the illustration below.

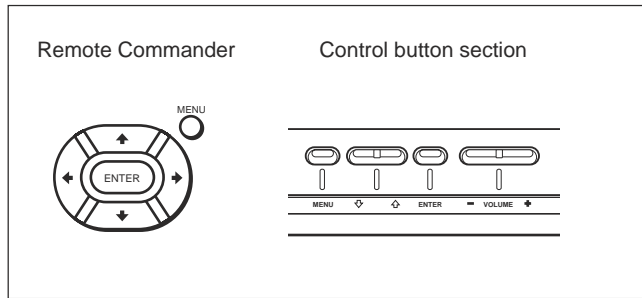


Using On-screen Menus

Operating Through Menus

Menu operating buttons

Use the buttons on the display unit or the Remote Commander for menu operations.



Operation of the unit is explained in these operating instructions for the case of operation using the Remote Commander. The \uparrow/\downarrow and ENTER buttons on the Remote Commander have the same functions as the \uparrow/\downarrow and ENTER buttons on the display.

Note

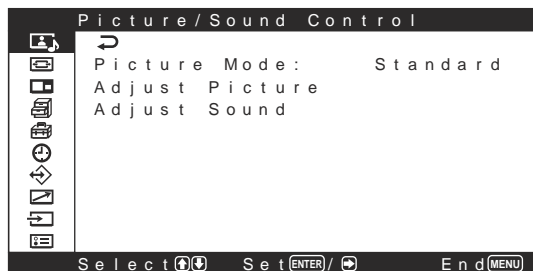
Operation may differ in some cases since there is no \leftarrow/\rightarrow button on the display.

Configuration of the menu

To select the language of the menus, see “Selecting the On-screen Language” on page 42 (GB).

1 Press MENU.

The main menu appears on the screen.



2 Press \uparrow/\downarrow to move the cursor (yellow) to the main menu items you want to select and press ENTER or \rightarrow .

The cursor moves to the next menu.

3 Press \uparrow/\downarrow to move the cursor (yellow) to the item you want to select and press ENTER or \rightarrow . The menu for the selected item appears. Select a different item by repeating this procedure.

4 Press \uparrow/\downarrow to adjust or select the setting and press ENTER to set it.

The setting is registered and the menu returns to the previous menu.

To complete the configuration and return to the normal screen, press MENU.

To return to the previous menu level, press \uparrow/\downarrow to move the cursor to \rightarrow and press ENTER or \leftarrow .

If you want to use the MENU button to return to the previous menu level, see “MENU Function” on page 23 (GB).

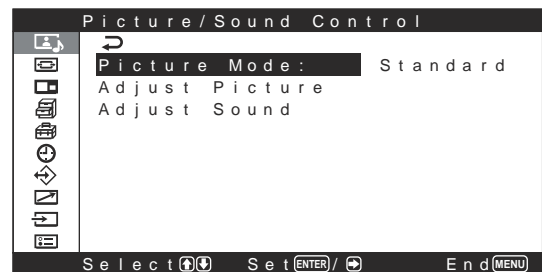
Menu Guide

Note

Items that cannot be set or adjusted (depending on the setting or the type of signal input) show in dark gray.

Picture/Sound Control menu

Adjusts the quality of sound and picture.



Picture Mode

Sets the image quality suitable for the type of picture or the brightness of the location where the unit is installed.

For details, see “Selecting Image Quality” on page 30 (GB).

Adjust Picture menu

You can make fine adjustment of the picture.
Set Picture Mode to any of “User1” to “User3” first.

Note

You cannot adjust the following items when Picture Mode is set to “Standard” or “Vivid.”



Contrast

Press **↑/→** to increase the contrast and press **↓/←** to decrease it.

Brightness

Press **↑/→** to make the picture brighter and press **↓/←** to make it darker.

Chroma

Press **↑/→** to increase color saturation and press **↓/←** to decrease it.

Phase

Press **↑/→** to make the overall picture greenish and press **↓/←** to make it purplish.

Sharpness

Press **↑/→** to increase the outline correction level of the image and press **↓/←** to decrease it.

Noise Reduct.

Sets the level by which image graininess and color noise are reduced to one of four levels, consisting of “Off”, “Low”, “Mid” and “High”.

For details, see “Noise Reduct.” on page 31 (GB).

Dynamic Picture

Enhances contrast by making white brighter and black darker.

For details, see “Dynamic Picture” on page 31 (GB).

Color Temp.

Changes the color temperature.

For details, see “Color Temp.” on page 31 (GB).

Gamma Correct.

Sets the balance of the light and dark portions of images to one of three levels consisting of “High”, “Mid,” or “Low.”

For details, see “Gamma Correct.” on page 33 (GB).

Reset

Restores the factory presettings to the Adjust Picture menu items.

For details on using the reset function, see “Restoring the Adjust Picture Menu Items to Their Original Settings” on page 33 (GB).

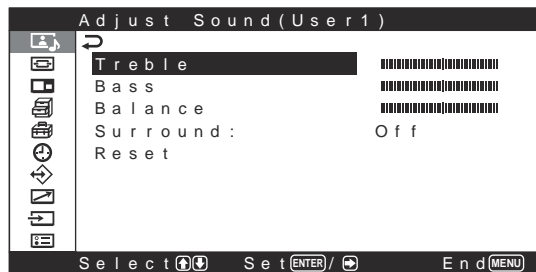
Adjust Sound menu

You can make fine adjustment of the sound.

Set Picture Mode to any of “User1” to “User3” first.

Note

You cannot adjust the following items when Picture Mode is set to “Standard” or “Vivid.”



Treble

Press **↑/→** to increase the treble and press **↓/←** to decrease it.

Bass

Press **↑/→** to increase the bass and press **↓/←** to decrease it.

Balance

Pressing **↑/→** increases the volume on the right side, while pressing **↓/←** increases the volume on the left side.

Surround

The surround function can be set to one of three levels, consisting of “Off,” “Hall,” or “Simul.”

For details, see “Surround” on page 40 (GB).

Reset

Restores the factory presettings to the Adjust Sound menu items.

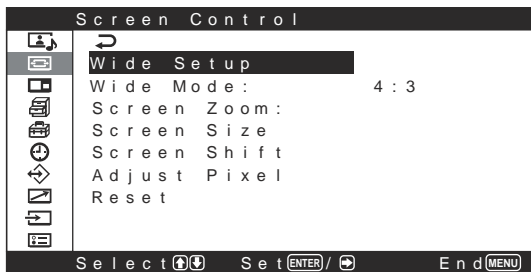
For details on using the reset function, see “Restoring the Adjust Sound Menu Items to Their Original Settings” on page 40 (GB).

Screen Control menu

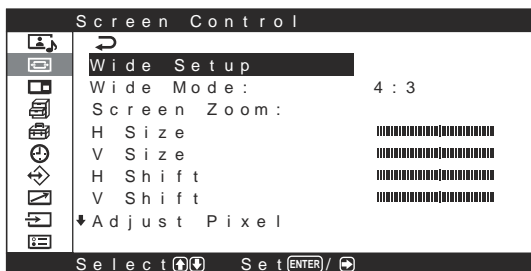
You can resize or adjust the position of a picture. The screen and operating method of the Screen Control menu vary depending on the setting of the MENU Function.

For more details, see “MENU Function” on page 23 (GB).

When MENU Function is set to “On/Off” (Factory presetting)



When MENU Function is set to “Return”



Wide Setup

Sets the Auto Wide function. The Auto Wide function is a function which chooses from among ordinary television broadcasts, or wide screen images, all having different proportions for horizontal and vertical display, and automatically expands the picture to a wide screen image with a 16:9 aspect ratio, enabling the most appropriate display of different types of images.

For details, see “Setting Auto Wide” on page 34 (GB).

Wide Mode

Switches the wide screen display to match the size and type of the picture.

For details, see “Setting the Wide Mode” on page 35 (GB).

Screen Zoom

Enlarges the image (in order) to double (×2), triple (×3) and quadruple (×4) the original size.

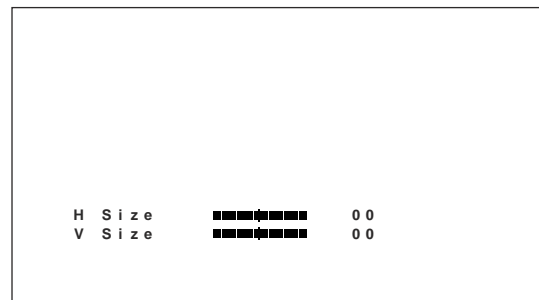
Note

The enlargement function works only when the Wide Mode is set to “16:9.”

Screen Size menu

This menu is used for adjusting the picture size.

The following screen appears when MENU Function is set to “On/Off.”



H Size

Adjust the horizontal picture size. Press **→** to enlarge the horizontal size and press **←** to diminish it.

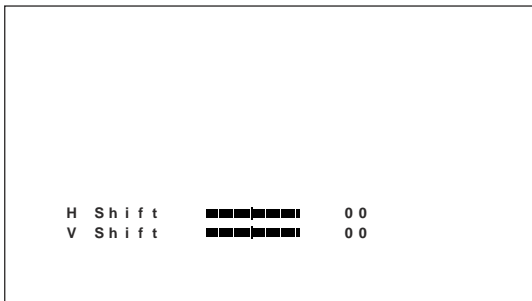
V Size

Adjust the vertical picture size. Press **↑** to enlarge the vertical size and press **↓** to diminish it.

Screen Shift menu

This menu is used for adjusting the centering of the picture.

The following screen appears when MENU Function is set to “On/Off.”



H Shift

Adjust the horizontal centering. Press **→** to move the picture to the right and press **←** to move it to the left.

V Shift

Adjust the vertical centering. Press **↑** to move the picture up and press **↓** to move it down.

Adjust Pixel menu

This menu is used for adjusting the number of picture pixels.

Adjustment can only be made when a computer signal is being received.



Auto Adjust

Automatically adjusts the dot phase and total number of horizontal pixels.

For details, see “Adjusting the Pixels” on page 37 (GB).

Dot Phase

Adjusts the dot phase. Press **↑/→** to increase the dot phase and press **↓/←** to decrease it.

Total H Pixel

Adjusts the total number of horizontal pixels. Press **↑/→** to increase the number of pixels and press **↓/←** to decrease it.

Reset

Restores the factory presettings to the Adjust Pixel menu items.

For details on using the reset function, see “To restore Adjust Pixel menu items to their original settings” on page 37 (GB).

Reset

Restores the factory presettings to the Screen Control menu items.

For details on using the reset function, see “Restoring the Screen Control Menu Adjustment Values” on page 37 (GB).

Picture And Picture (PAP) menu

You can show a PC picture and a video picture side by side.



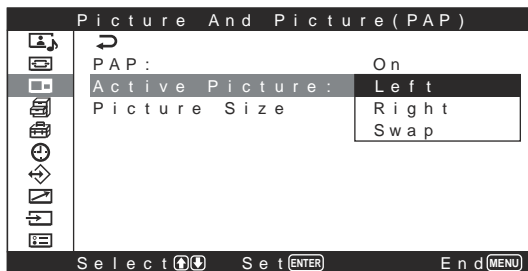
For details, see “Viewing two pictures at the same time” on page 38 (GB).

PAP

Set it to “ON” to show two pictures at the same time.

The following menus are available when PAP is set to “ON.”

Active Picture menu



Left

Activates the left picture for operations.

Right

Activates the right picture for operations.

Swap

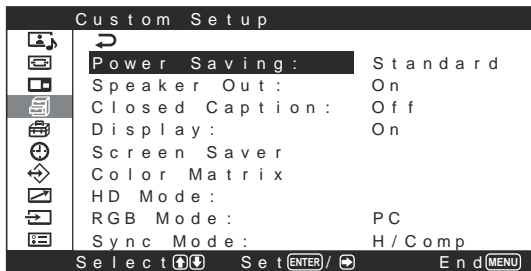
Switches the position of the two pictures.

Picture Size

Zooms in on one of the two pictures.

Custom Setup menu

You can reduce power consumption or set a screen saver and so forth.



Power Saving

Reduces power consumption while showing pictures.
For details, see “Energy Saving Function” on page 29 (GB).

Speaker Out

Set it to ON to cause sound to be emitted from the speakers SS-SP20B (not supplied.)

Closed Caption

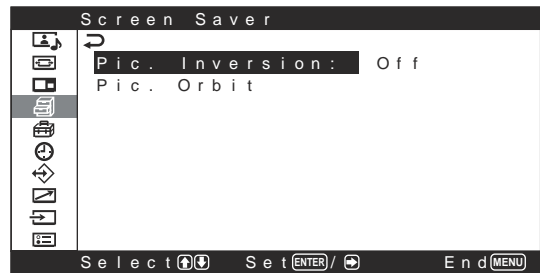
Displays closed captions.
For details, see “Displaying closed captions” on page 29 (GB).

Display

Select On to display the input signal information and Picture Mode for about five seconds on the upper left corner of the screen when you turn on the unit or switch the input signal.

Screen Saver menu

Corrects or lessens damage caused by ghosting or burn-in that may result from the same image being displayed on the screen for long periods of time.



Pic. Inversion

Sets the Screen Saver that inverts the image hue.
For details, see “Screen Saver Function” on page 42 (GB).

Pic. Orbit

Sets the Screen Saver that automatically moves the position of images after a predetermined amount of time has elapsed.
For details, see “Screen Saver Function” on page 42 (GB).

Color Matrix

Sets the Color Matrix to show pictures in natural color tones when a component signal is input.
For details, see “Adjusting Color Matrix” on page 44 (GB).

HD Mode

Selects a mode according to an HD analog component signal input to the YUV connectors on INPUT1, BKM-V11 or BKM-V12.

1080I: When a 1080I signal is input

1035I: When a 1035I signal is input

RGB Mode

Sets the mode when a device that outputs RGB signals is connected to the RGB/YUV IN.

DTV: When connected to an RGB signal digital tuner, etc.

PC: When connected to a PC.

Sync Mode

Sets the mode according to the signal input at pin 13 of the RGB/YUV IN. Signals can be set only to 575/50I or 480/60I.

H/Comp: When a horizontal signal or a composite synchronous signal* is input

Video: When a video signal is input

*Depending on the level of the composite synchronous signal, the image may not be displayed correctly. In that case, change the Sync Mode setting.

Input signal and Synchronous mode settings

PIN	Signal input over the D-sub	Synchronous mode setting
13	480/60I, 575/50I Composite Video	Video signal
	Composite Sync	Synchronizing signal
13/14	H Sync/V Sync	
2	Sync On Green	

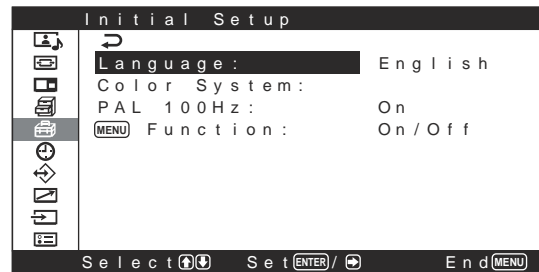
See “Pin assignment” on page 52 (GB) for more information on the pin assignments of RGB/YUV IN.

Notes

- There are some inputs for which only synchronizing signals can be selected. In this case, an image will not be displayed even if a video signal is input to the 13 pin connector. Input horizontal/vertical synchronization signals through the 13 or 14 pin connectors, or input Sync On Green signals through the RGB connector.
- With Sync On Green, if the unit is not set to accept synchronizing signals, the image will not be displayed.
- Sync Mode settings cannot be carried out using option boards.
- This unit does not support the three value sync format of composite sync and 576/60P.

Initial Setup menu

You can select the on-screen language and the color system, and set the MENU Function.



Language

Selects the on-screen language (Japanese, English, German, French, Spanish, or Italian).

For details, see “Selecting the On-screen Language” on page 42 (GB).

Color System

Selects the input signal.

Auto: to display NTSC, PAL, SECAM/NTSC4.43 or NTSC/PAL-M/PAL-N signals

NTSC: to display NTSC signals

NTSC4.43: to display NTSC4.43 signals

PAL: to display PAL signals

SECAM: to display SECAM signals

PAL-M: to display PAL-M signals

PAL-N: to display PAL-N signals

PAL60: to display PAL60 signals

When the Color System is set to “Auto,” an additional color system capable of automatic detection is set in the level below.

- Automatic detection of NTSC/PAL/SECAM/NTSC4.43
- Automatic detection of NTSC/PAL-M/PAL-N

Note

- This can only be set when a video signal is being received.
- You can switch the refresh rate using the “PAL 100Hz” setting when PAL or PAL-N signals are input.

MENU Function

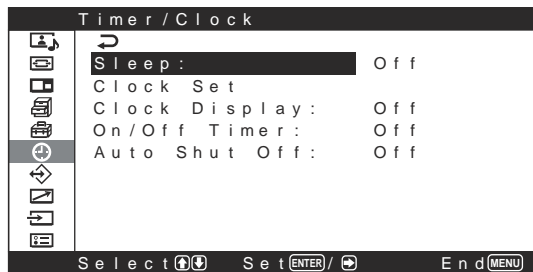
Selects the operation when the menu key is pressed.

On/Off: The menu display toggles between on and off each time the menu key is pressed.

Return: The cursor returns to the previous level each time the menu key is pressed.

Timer/Clock menu

You can set the timer, adjust time, display the built-in clock, or make the unit power on/off at a predetermined time.



Sleep

Automatically turns off the power when a preset amount of time elapses. The sleep time can be set to 30, 60, 90 or 120 minutes.

For details, see “Sleep Function” on page 45 (GB).

Clock Set

Sets the time.

For details, see “Adjusting the time” on page 46 (GB).

Clock Display

Displays the currently set time on the screen when set to On.

For details, see “Displaying the time” on page 46 (GB).

On/Off Timer

Sets the time at which the power is automatically turned on or off.

For details, see “On/Off Timer Function” on page 47 (GB).

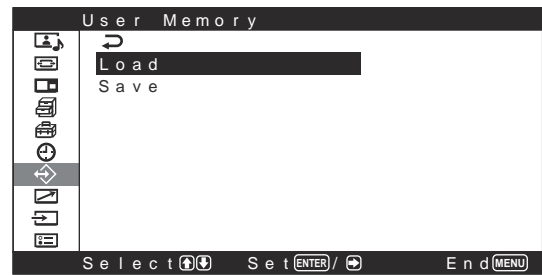
Auto Shut Off

Automatically turns off the power when there is no input signal to the INPUT1 or INPUT2 connectors when the input mode is set to RGB.

For details, see “Power Saving Function” on page 48 (GB).

User Memory menu

You can save or recall various settings in the Picture/Sound Control and Screen Control menus.



For details, see “Using the Memory Function” on page 40 (GB).

Load

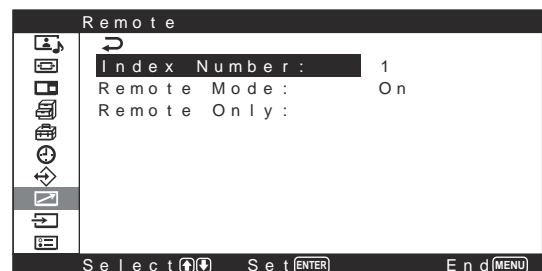
Recalls your settings.

Save

Saves your settings.

Remote menu

This menu is used for remote control settings.



Index Number

Sets the index number of the display.

Note

When you set the index number, use the buttons on the display unit. The index number cannot be set with the Remote Commander.

For details on the Index Number, see “Operating a Specific Display With the Remote Commander” on page 49 (GB).

Remote Mode

Selects the function of the Remote Commander.

ON: Activates a remote commander supplied with the display or a TV.

Off: Disables the remote control function.

Note

When you change the Remote Commander mode, use the buttons on the display unit. You cannot change the Remote Commander mode using the Remote Commander.

For details, see “Using Other Remote Commander Models” on page 50 (GB).

Remote Only

Select On to disable the control buttons on the display unit. The display can only be operated with the Remote Commander.

To cancel the Remote Only mode, set “Remote Only” to “Off” with the Remote Commander.

Note

The setting in this item is still retained when the AC power cord is disconnected or when you turn on/off the display with the Remote Commander.

If you lose the Remote Commander, you can cancel the Remote Only mode by pressing the POWER button and MENU button on the display unit at the same time.

Input Select menu

This menu is used to switch the input signal.

For details on switching the input signal, see “Switching the Input Signal” on page 26 (GB).

Unit Status menu

This menu is used for displaying various information, including information on the internal status of the display unit.



Model Name

Indicates the model name.

Serial Number

Indicates the serial number.

Operation Time

Indicates the total number of hours of operation.

Note

Time spent in standby mode is not counted as part of the Operation Time.

Software Version

Indicates the system software version.

Watching the Picture

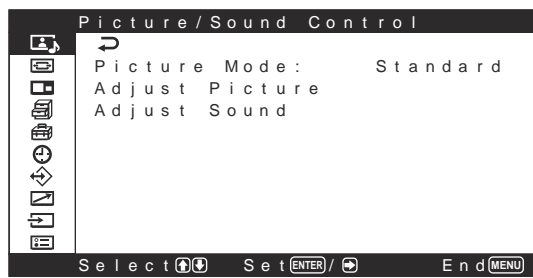
Before you start

- Power on the display.
- Power on the connected equipment and play a video source.
- To display the input signal information and Picture Mode on the screen when turning on the power or switching the input signal, set “Display” in the Custom Setup menu to On.
- To select the language of the menus, see “Selecting the On-screen Language” on page 42 (GB).

Switching the Input Signal

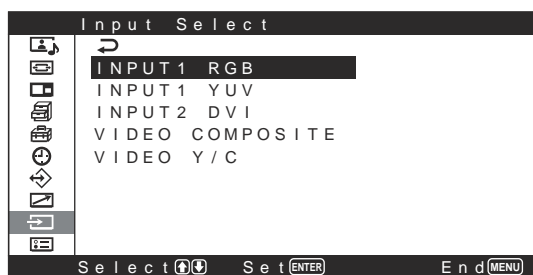
1 Press MENU.

The main menu appears on the screen.



2 Press ↑/↓ to move the cursor (yellow) to “Input Select” and press ENTER or →.

The Input Select menu appears on the screen.



3 Press ↑/↓ to move the cursor (yellow) to the input source to be displayed and press ENTER.

INPUT1 RGB: Selects the signal (analog RGB) input to the INPUT1 connectors.

INPUT1 YUV: Selects the signal (component) input to the INPUT1 connectors.

INPUT2 DVI * : Selects the signal (digital RGB) input to the INPUT2 connectors.

VIDEO COMPOSITE: Selects the signal input to the COMPOSITE IN of the VIDEO connectors.

VIDEO Y/C: Selects the signal input to the Y/C IN of the VIDEO connectors.

* When using the PFM-42V1N, you cannot select

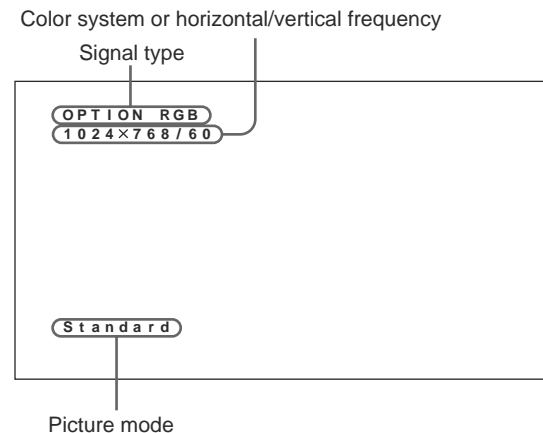
this item because this model is not equipped with the INPUT2 connectors.

When a Component/RGB Input Adaptor BKM-V11 or an RGB/Component Active Through Adaptor BKM-V12 is installed

OPTION YUV: Selects the signal (component) input to the YUV/RGB IN connectors.

OPTION RGB: Selects the signal (analog RGB) input to the YUV/RGB IN connectors.

The selected input signal appears on the screen.



You can switch the input signal using the supplied Remote Commander.

Notes

- We recommend input source video equipment equipped with a TBC (time base corrector). If the display receives a signal without TBC, the picture may disappear due to disturbance of the sync signal.
- If signals of the same format are input from multiple systems, the Picture Quality setting will default to the most recently set value (Only when the signal formats are identical).

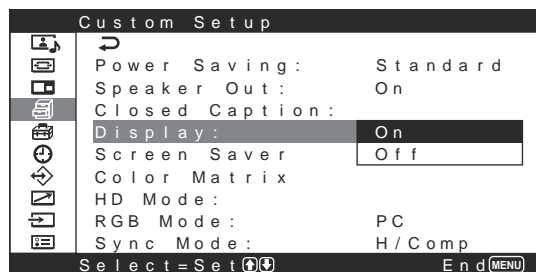
Input Signal, Picture Mode and Display Status Information

Input signal and Picture Mode information appear on the screen for about five seconds when the power is turned on or when the input signal is switched.

To disable this function, follow the steps below.

- 1 In the Custom Setup menu, press **↑/↓** to move the cursor (yellow) to “Display” and press ENTER or **→**.

The following menu appears on the screen.



- 2 Press **↑/↓** to set “Display” to “Off.”

To display the information

Set “Display” to “On” in step 2 above. The factory default setting is “On.”

Note

You can display the input signal information and the time anytime by pressing the DISPLAY button on the Remote Commander, regardless of the above setting.

Preset input signals			
	Signal name	Color system or horizontal/vertical frequency	
Computer signals			
1	VGA ^{a)} -1 (VGA 350)	31.5 kHz	70 Hz
2	640×480@60 Hz (VESA ^{b)} STD)	31.5 kHz	60 Hz
3	Mac ^{c)} 13"	35.0 kHz	67 Hz
4	VGA (VGA TEXT)	31.5 kHz	70 Hz
5	800×600@60 Hz (VESA STD)	37.9 kHz	60 Hz
6	Mac 16"	49.7 kHz	75 Hz
7	1024×768@60 Hz (VESA STD)	48.4 kHz	60 Hz
8	1024×768@75 Hz (VESA STD)	60.0 kHz	75 Hz
9	1024×768@85 Hz (VESA STD)	68.7 kHz	85 Hz
10	1152×864@75 Hz (VESA STD)	67.5 kHz	75 Hz
11	Mac 21"	68.7 kHz	75 Hz
12	1280×960@60 Hz (VESA STD)	60.0 kHz	60 Hz
13	1280×1024@60 Hz (VESA STD)	64.0 kHz	60 Hz
14	1600×1200@60 Hz (VESA STD)*	75.0 kHz	60 Hz
15	848×480@60 Hz (VESA STD)	29.8 kHz	60 Hz
16	848×480@60 Hz (VESA STD)	29.5 kHz	60 Hz
17	848×480@75 Hz	37.7 kHz	75 Hz
18	1280×768@60 Hz	47.8 kHz	60 Hz
19	1280×768@60 Hz	47.4 kHz	60 Hz
SDTV/HDTV			
1	PAL	PAL	
2	NTSC	NTSC	
3	SECAM	SECAM	
4	NTSC4.43	NTSC4.43	
5	PAL60	PAL60	
6	PAL-M	PAL-M	
7	PAL-N	PAL-N	
8	575/50i	575/50I	
9	480/60i	480/60I	
10	1080/24psf	1080/48I	
11	1080/50i	1080/50I	
12	576/50p	576/50P	
13	480/60p	480/60P	
14	1080/60i	1080/60I	
15	720/60p	720/60P	

- a) VGA is a registered trademark of International Business Machines Corporation, U.S.A.
- b) VESA is a registered trademark of the Video Electronics Standards Association.
- c) Mac (Macintosh) is a registered trademark of Apple Computer, Inc.

Notes

- When inputting an HDTV signal, input the tri-level sync signal to the 2nd pin of RGB/YUV (D-sub 15 pin) on the INPUT1 connector.
- If colors appear too light after inputting a DVD signal to PFM-42V1 series, adjust the “Chroma” setting in the Adjust Picture menu.
- When the phase is readjusted, the resolution will be reduced.
- You cannot input the signal indicated with * to DVI IN.

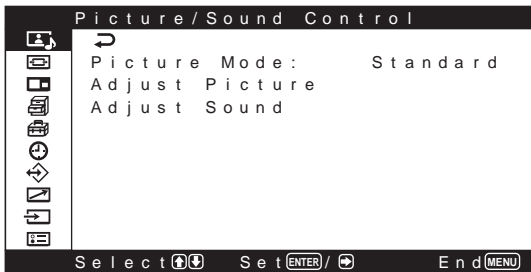
Actual on-screen display of the unit’s status

On-screen display	Significance
640×480 / 60 (e.g.)	The selected input signal is computer RGB.
480 / 60P (e.g.)	The selected input signal is component video.
NTSC (e.g.)	The selected input signal is NTSC.
Out of Range	The input signal is out of the capture range.
No Sync	There is no input signal.
INPUT1 RGB	The signal mode of INPUT1 is set to RGB.
INPUT1 YUV	The signal mode of INPUT1 is set to component video.
VIDEO COMPOSITE	Composite video input is selected for VIDEO.
VIDEO Y/C	Y/C video input is selected for VIDEO.

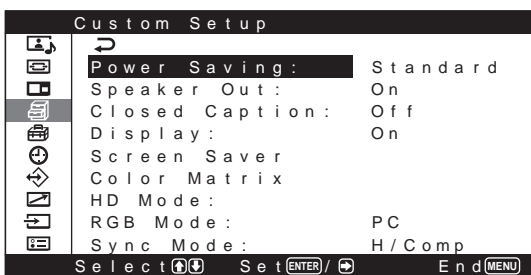
Switching the Display Mode

Displaying closed captions

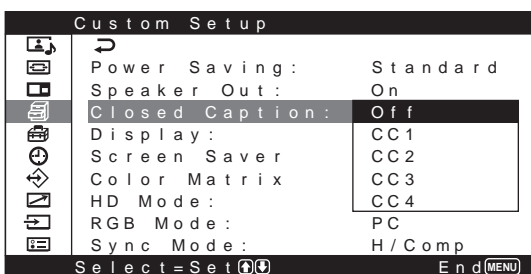
- 1 Press MENU.
The main menu appears on the screen.



- 2 Press \uparrow/\downarrow to move the cursor (yellow) to “Custom Setup” and press ENTER or \rightarrow .
The Custom Setup menu appears on the screen.



- 3 Press \uparrow/\downarrow to move the cursor (yellow) to “Closed Caption” and press ENTER or \rightarrow .
The following menu appears on the screen.

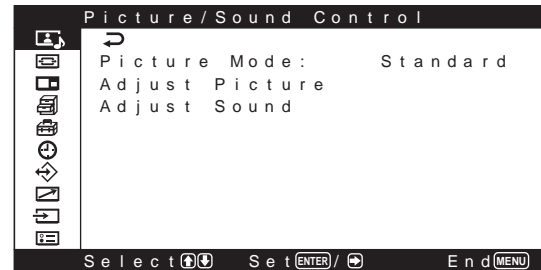


- 4 Select the caption type with \uparrow/\downarrow .
Off: The caption is not displayed.
CC1-4 : Superimposes captions.
- 5 Press ENTER or \leftarrow to return to the Custom Setup menu.

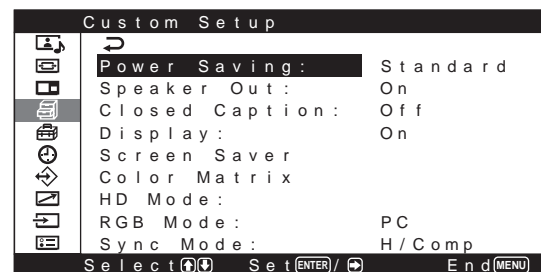
Energy Saving Function

You can enjoy viewing pictures while reducing power consumption.

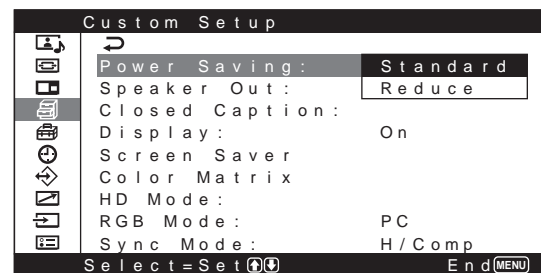
- 1 Press MENU.
The main menu appears on the screen.



- 2 Press \uparrow/\downarrow to move the cursor (yellow) to “Custom Setup” and press ENTER or \rightarrow .
The Custom Setup menu appears on the screen.



- 3 Press \uparrow/\downarrow to move the cursor (yellow) to “Power Saving” and press ENTER or \rightarrow .
The following menu appears on the screen.



- 4 Press \uparrow/\downarrow to select the Power Saving mode.
Standard: No energy saving
Reduce: Save energy
When you select “Reduce,” the brightness of the picture is reduced so that you can enjoy viewing pictures while reducing power consumption.
- 5 Press ENTER or \leftarrow to return to the Custom Setup menu.

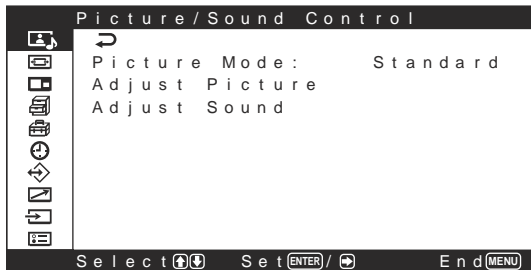
Notes

- “Power Saving: Reduce” will be resumed when you power on the unit again.
- Even when Power Saving is set to “Reduce”, you can still adjust the quality of the picture. However, note that you may lose the energy saving effects if you increase Contrast or Brightness.

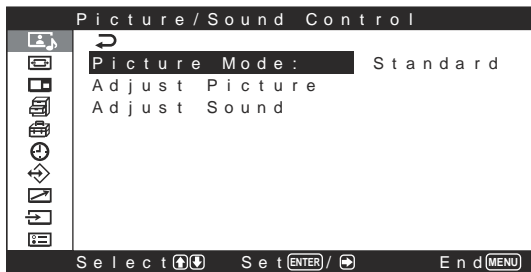
Selecting Image Quality

You can set an image quality suitable for the type of picture or the brightness of the location where the unit is installed.

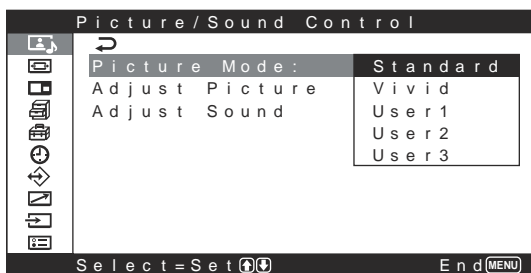
- 1 Press MENU.
The main menu appears on the screen.



- 2 Press \uparrow/\downarrow to move the cursor (yellow) to “Picture/Sound Control” and press ENTER or \rightarrow .
The Picture/Sound Control menu appears on the screen.



- 3 Press \uparrow/\downarrow to move the cursor (yellow) to “Picture Mode” and press ENTER or \rightarrow .
The following menu appears on the screen.



- 4 Select the Picture Mode with \uparrow/\downarrow .
Standard: Pictures look real with moderate contrast and image contour.
Vivid: Pictures get intense sharpness with image contour and contrast maximized.
User1-3: You can set the image quality to suit your taste using the Adjust Picture menu.

- 5 Press ENTER or \leftarrow to return to the Picture/Sound Control menu.

Adjusting the Picture

While watching the picture, you can adjust contrast, brightness, chroma, phase, and so on, to suit your taste. The adjustments can be carried out for each input signal separately. You can also store the adjusted levels in memory.

Set the Picture Mode to any of “User1” to “User3.”

Adjusting the Contrast, Brightness, Chroma, and Phase, etc.

Press MENU to show the main menu and adjust “Contrast,” “Brightness,” “Chroma,” “Phase,” “Sharpness,” “Noise Reduct.,” “Dynamic Picture,” “Color Temp.,” or “Gamma Correct.” of the Adjust Picture menu.

Contrast

Select “Contrast” with \uparrow/\downarrow and press ENTER.
Adjust the contrast with $\uparrow/\downarrow/\leftarrow/\rightarrow$ within the range of MIN (0) to MAX (100).

\uparrow/\rightarrow : to increase picture contrast

\downarrow/\leftarrow : to decrease picture contrast

Brightness

Select “Brightness” with \uparrow/\downarrow and press ENTER.
Adjust the brightness with $\uparrow/\downarrow/\leftarrow/\rightarrow$ within the range of MIN (-50) to MAX (+50).

\uparrow/\rightarrow : to make the picture brighter

\downarrow/\leftarrow : to make the picture darker

Chroma

Select “Chroma” with \uparrow/\downarrow and press ENTER.
Adjust the chroma with $\uparrow/\downarrow/\leftarrow/\rightarrow$ within the range of MIN (-100) to MAX (+100).

\uparrow/\rightarrow : Increase color intensity.

\downarrow/\leftarrow : Decrease color intensity.

Phase

Select “Phase” with **↑/↓** and press ENTER.
Adjust the phase with **↑/↓/←/→** within the range of RMax (50) to GMax (50).

- ↑/→**: Makes the overall picture greenish.
- ↓/←**: Makes the overall picture reddish.

Sharpness

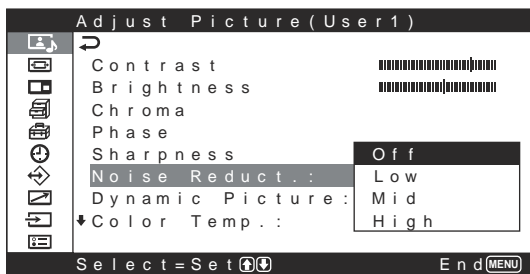
Select “Sharpness” with **↑/↓** and press ENTER.
Adjust the sharpness with **↑/↓/←/→** within the range of MIN (–10) to MAX (+10).

- ↑/→**: Increases the sharpness of the image.
- ↓/←**: Decreases the sharpness of the image.

Noise Reduct.

Reduces image graininess and color noise.

- 1 Select “Noise Reduct.” with **↑/↓** and press ENTER or **→**.
The following menu appears on the screen.



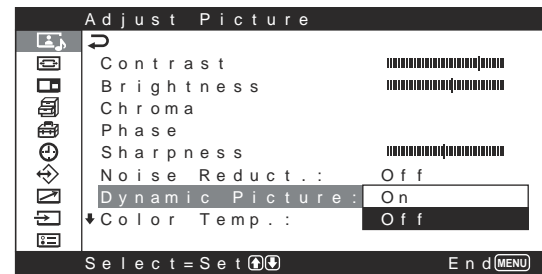
- 2 Select the Noise Reduct. mode with **↑/↓**.
 - Off**: The image signal is displayed directly.
 - Low**: Sets the Noise Reduct. processing to low.
 - Mid**: Sets the Noise Reduct. processing to medium.
 - High**: Sets the Noise Reduct. processing to high.
- 3 Press ENTER or **←** to return to the Adjust Picture menu.

Dynamic Picture

Enhances contrast by making white brighter and black darker.

- 1 Select “Dynamic Picture” with **↑/↓** and press ENTER or **→**.

The following menu appears on the screen.



- 2 Select the Dynamic Picture mode with **↑/↓**.
 - On**: Activates Dynamic Picture function.
 - Off**: Activates Dynamic Picture function.
- 3 Press ENTER or **←** to return to the Adjust Picture menu.

Color Temp.

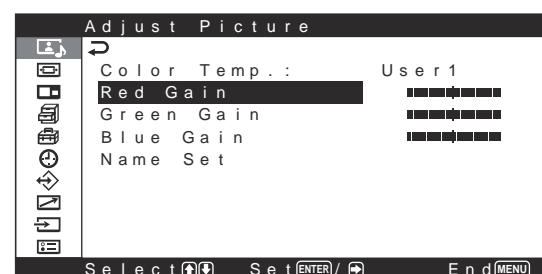
You can set color temperature. Either select one from “Cool,” “Neutral,” or “Warm,” or set values for each gain separately. You can store up to three settings and rename them (up to six characters in length.)

- 1 Select “Color Temp.” with **↑/↓** and press ENTER or **→**.
- 2 Select the color temperature with **↑/↓** and press ENTER.
 - Cool**: Sets the color temperature to high.
 - Neutral**: Sets the color temperature to neutral.
 - Warm**: Sets the color temperature to low.
 - User1 – 3**: Sets values for each gain separately.

When you select “Warm,” “Neutral,” or “Cool,” the menu returns to the Adjust Picture menu.

When you select “User1” to “User3”

When you select any of “User1” to “User3,” the following menu appears on the screen.



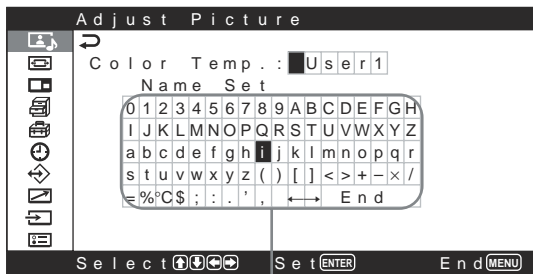
- Press **↑/↓** to move the cursor (yellow) to the gain that you want to adjust and press **ENTER** or **→**.
The following menu appears on the screen.



- Adjust the gain (-15 to +15) with **↑/↓/←/→** and press **ENTER**.
The menu returns to the Color Temp. menu.

To rename the adjusted color temperature, follow the steps below.

- Press **↑/↓** to move the cursor (yellow) to "Name Set" and press **ENTER**.
The following menu appears on the screen.



Character list

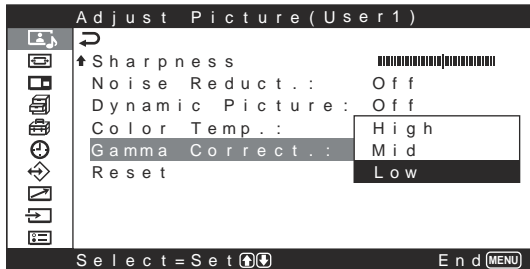
- Select a character or symbol from the character list with **↑/↓/←/→** and press **ENTER**. The selected character is input. If you input a wrong character or symbol, select "**←**" on the screen to backspace the cursor one character and reselect the right one.
*When "MENU Function" (page 23 (GB)) in the Initial Setup menu is set to "Return," the **↑/↓** buttons on the Remote Commander move the cursor left and right. To make the **↑/↓** buttons move the cursor up and down, set "MENU Function" to "On/Off."*

- Repeat step (4) and after you have finished entering the name, select "End" and press **ENTER**.
The menu returns to the Color Temp. menu.

Gamma Correct.

Balances the light and dark portions of pictures automatically.

- 1 Select “Gamma Correct.” with \uparrow/\downarrow and press ENTER or \rightarrow .
The following menu appears on the screen.



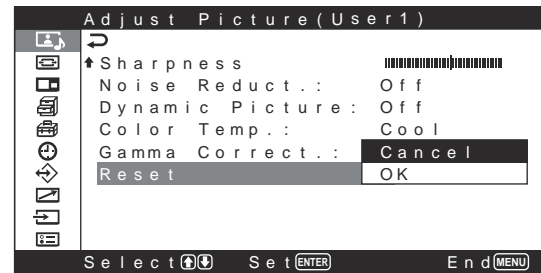
- 2 Select the Gamma Correct. mode with \uparrow/\downarrow .
High: Sets the Gamma Correct. to high.
Mid: Sets the Gamma Correct. to medium.
Low: Sets the Gamma Correct. to low.
- 3 Press ENTER or \leftarrow to return to the Adjust Picture menu.

Notes

- You cannot adjust Chroma and Phase when an RGB signal is input.
- You cannot adjust Phase when a component signal is input.
- You cannot adjust Phase with a PAL, PAL-M, PAL-N, PAL60, or SECAM color system.
- You cannot adjust Chroma or Phase when a black-and-white signal is input.

Restoring the Adjust Picture Menu Items to Their Original Settings

- 1 In the Adjust Picture menu, press \uparrow/\downarrow to move the cursor (yellow) to “Reset” and press ENTER. The following menu appears on the screen.



- 2 Press \uparrow/\downarrow to move the cursor (yellow) to “OK” and press ENTER. The Adjust Picture menu items are restored to their factory presettings.

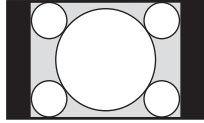
To cancel the reset function

Press MENU before pressing ENTER. Alternatively, select “Cancel” with \uparrow/\downarrow and press ENTER.

Picture Enlargement

You can enlarge pictures to suite your taste. For Wide Mode, the following choices are available.

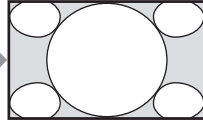
Original Picture (Picture Type)



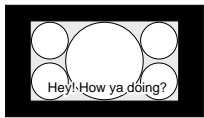
Allows ordinary pictures with a 4:3 aspect ratio to be set to Wide Zoom (screen aspect ratio: 4:3).



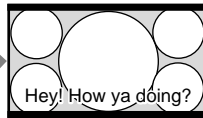
Enlarged Picture



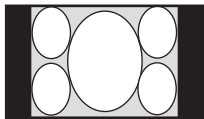
Images are enlarged naturally to full screen size.



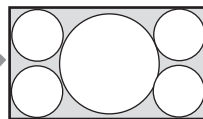
- Movies filmed in VistaVision and so forth that appear long in the horizontal direction of the screen and contain captions within the picture (aspect ratio: 1.85:1)
- Images from a video camera or DVD software with aspect ratio information (ID-1 type)



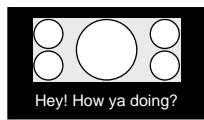
Images are enlarged to full screen size aligned with the right and left sides of the screen. (Black bars may remain at the top and bottom of the screen, depending on the type of picture.)



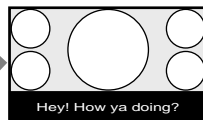
Images from a video camera or DVD software containing aspect ratio information (ID-1 type)



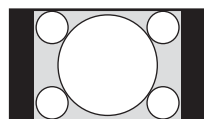
The left and right edges of the picture are enlarged to full screen size without changing the top and bottom.



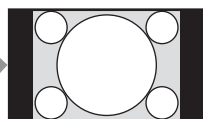
Movies filmed in CinemaVision and so forth that appear long in the horizontal direction of the screen and contain captions outside the picture (aspect ratio: 2.35:1)



The picture is displayed on the screen by compressing only the area where captions are displayed while enlarging to full screen size and aligning with the left and right sides of the screen.



When pictures having an aspect ratio of 4:3 are set to "4:3" ("4:3" is the factory setting) and Auto Wide is set to On.



Pictures are displayed in the original 4:3 aspect ratio without being enlarged.

Setting Auto Wide

The auto wide function faithfully reproduces images based on this identification control signal or enlarges various types of pictures to the optimum size regardless of this identification control signal.

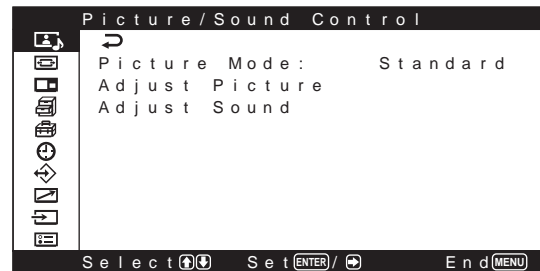
Identification Control Signal

This is a control signal for faithfully reproducing the aspect ratio of the original image on a display screen. Images that contain this signal consist of the following:

- Images recorded with a television camera with aspect ratio information (ID-1 format).
- Television broadcasts containing a signal for setting the aspect ratio to 4:3.

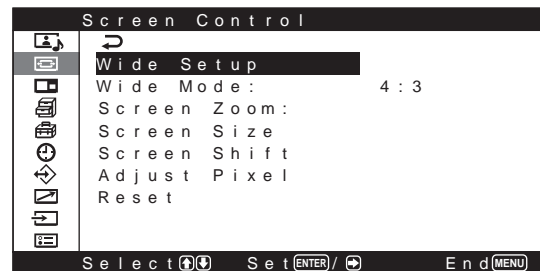
- 1 Press MENU.

The main menu appears on the screen.



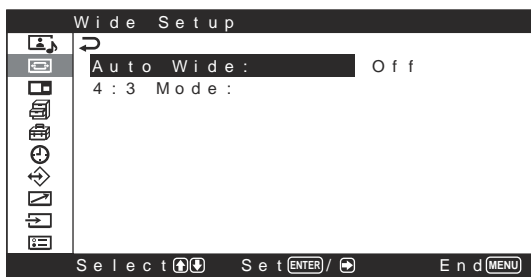
- 2 Press **↑/↓** to move the cursor (yellow) to "Screen Control" and press ENTER or **→**.

The Screen Control menu appears on the screen.



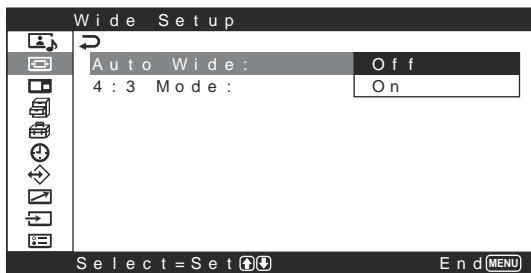
- 3 Press \uparrow/\downarrow to move the cursor (yellow) to “Wide Setup” and press ENTER or \rightarrow .

The following menu appears on the screen.



- 4 Press \uparrow/\downarrow to move the cursor (yellow) to “Auto Wide” and press ENTER or \rightarrow .

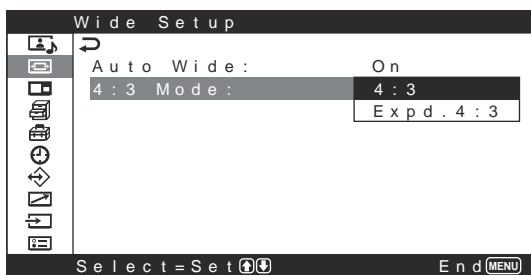
The following menu appears on the screen.



- 5 Select the Auto Wide setting with \uparrow/\downarrow .
Off: Images are reproduced as-is.
On: The image is enlarged and displayed in the most appropriate aspect ratio.

- 6 Press ENTER or \leftarrow .
 The menu returns to the Wide Setup menu.

- 7 Select “4:3 Mode” with \uparrow/\downarrow and press ENTER.
 The following menu appears on the screen.



- 8 Select the 4:3 Mode with \uparrow/\downarrow .
4:3: Pictures with a 4:3 aspect ratio are displayed as-is.
Expd.4:3: Pictures with a 4:3 aspect ratio are displayed after being enlarged to an aspect ratio of 16:9. (When there is no distinguishing control signal.)

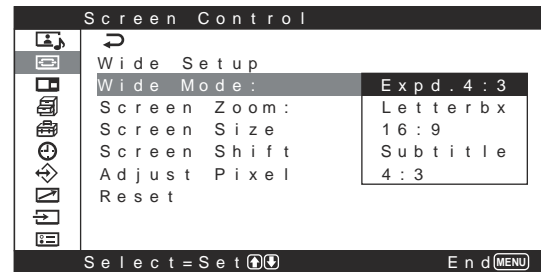
- 9 Press ENTER or \leftarrow .
 The menu returns to the Wide Setup menu.

Setting the Wide Mode

Pictures can also be enlarged to the desired wide mode regardless of the type of picture. When the signal is input from a computer, you can select either “16:9” or “4:3.”

- 1 In the Screen Control menu, press \uparrow/\downarrow to move the cursor (yellow) to “Wide Mode” and press ENTER or \rightarrow .

The following menu appears on the screen.



- 2 Select the Wide Mode with \uparrow/\downarrow .

Expd.4:3: Enlarges 4:3 pictures full-screen to 16:9 pictures.

Letterbx: Enlarges the picture all the way to the left and right edges of the screen. (Black bars may remain on the top and bottom of the screen, depending on the type of picture.)

16:9: Extends the left and right sides of the picture to cover the entire screen without changing the top and bottom.

Subtitle: Enlarges the picture all the way to the left and right edges of the screen and compresses only the area where captions are displayed.

4:3: Displays the picture without enlarging it.

- 3 Press ENTER or \leftarrow .

The menu returns to the Screen Control menu.

Notes

- If you set Wide Mode, the Auto Wide function is disabled. If you want to use the Auto Wide function, reset it to “On.”
- The top or bottom of the picture may be cut off or the captions may not completely be displayed on the screen depending on the type and size of picture.
- Please note that showing enlarged/compressed pictures for commercial purposes or public viewing at hotels or coffee shops can be copyright infringement as defined under the copyright laws.

Resizing and Positioning the Picture

You can shift the position of the picture to fit the screen, or adjust the vertical and horizontal size of the picture separately.

Operation is explained in these operating instructions for the situation in which the MENU Function is set to "On/Off." Refer to "Screen Control menu" on page 20 (GB) for further details regarding the Screen Control menu.

Resizing the Picture

- 1 In the Screen Control menu, press **↑/↓** to move the cursor (yellow) to "Screen Size" and press ENTER.

The following menu appears on the screen.



- 2 Resize the picture vertically or horizontally with **↑/↓/←/→**.

←/→: Resizes the picture horizontally.

↑/↓: Resizes the picture vertically.

Horizontal picture size is displayed on the screen within the adjustable range of Min (-30) to Max (+30). Vertical picture size is displayed on the screen within the adjustable range of Min (-30) to Max (+30). The factory presetting is 00.

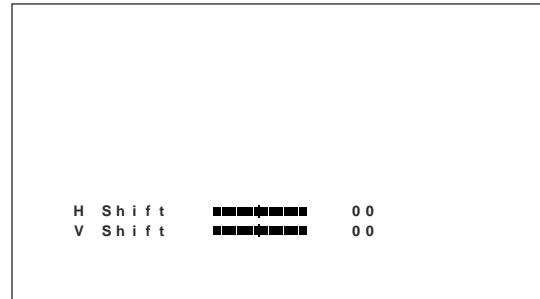
- 3 Press ENTER.

The menu returns to the Screen Control menu.

Adjusting the Picture Position

- 1 In the Screen Control menu, press **↑/↓** to move the cursor (yellow) to "Screen Shift" and press ENTER.

The following menu appears on the screen.



- 2 Move the picture vertically and horizontally with **↑/↓/←/→**.

←/→: Moves the picture left and right.

↑/↓: Moves the picture up and down.

Horizontal picture position is displayed on the screen within the adjustable range of LMax (30) to RMax (30). Vertical picture position is displayed on the screen within the adjustable range of BMax (30) to TMax (30). The factory presetting is 00.

- 3 Press ENTER.

The menu returns to the Screen Control menu.

Adjusting the Pixels

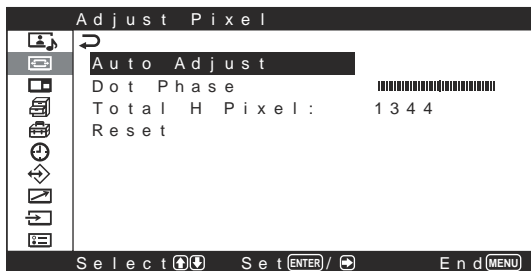
If there is too much noise on the edges of characters or vertical lines, adjust the dot phase and the total number of horizontal pixels.

Note

This item depends on the computer signal being used.

- 1 In the Screen Control menu, press \uparrow/\downarrow to move the cursor (yellow) to “Adjust Pixel” and press ENTER.

The following menu appears on the screen.

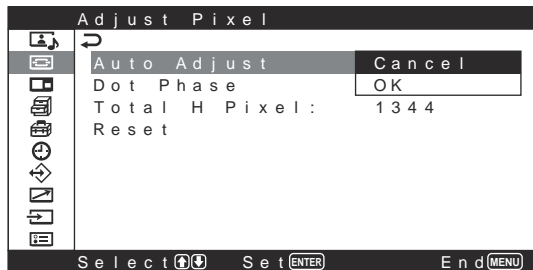


- 2 You can adjust the dot phase and the total number of horizontal pixels either automatically or manually.

Adjusting automatically

- (1) Select “Auto Adjust” with \uparrow/\downarrow and press ENTER.

The following menu appears on the screen.

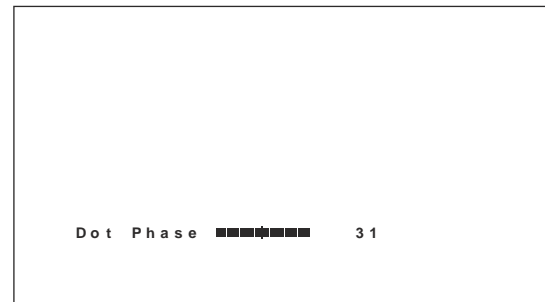


- (2) Select “OK” with \uparrow/\downarrow and press ENTER. The dot phase and the total number of horizontal pixels are adjusted automatically.

Adjusting manually

- (1) Select “Dot Phase” or “Total H Pixel” with \uparrow/\downarrow or \leftarrow/\rightarrow and press ENTER.

The following appears on the screen. (When you select “Dot Phase”)



- (2) Adjust the dot phase or the total number of horizontal pixels with \uparrow/\downarrow or \leftarrow/\rightarrow and press ENTER.

Note

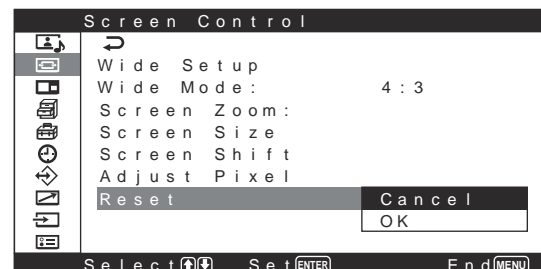
Due to patterns in the image, there may be times when noise continues to occur even after you have used Auto Adjust. In such cases, adjust the dot phase manually.

To restore Adjust Pixel menu items to their original settings

In the Adjust Pixel menu, press \uparrow/\downarrow to move the cursor (yellow) to “Reset” and press ENTER. Then select “OK” with \uparrow/\downarrow and press ENTER.

Restoring the Screen Control Menu Adjustment Values

- 1 In the Screen Control menu, press \uparrow/\downarrow to move the cursor (yellow) to “Reset” and press ENTER. The following menu appears on the screen.



- 2 Press \uparrow/\downarrow to move the cursor (yellow) to “OK” and press ENTER. The Screen Control menu items are restored to their original setting.

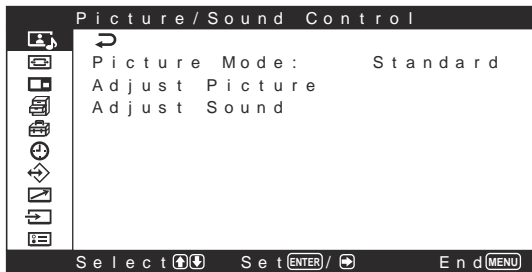
To cancel the reset function

Press MENU before pressing ENTER. Alternatively, select “Cancel” with \uparrow/\downarrow and then press ENTER.

Viewing two pictures at the same time

You can show a PC picture and a video picture side by side.

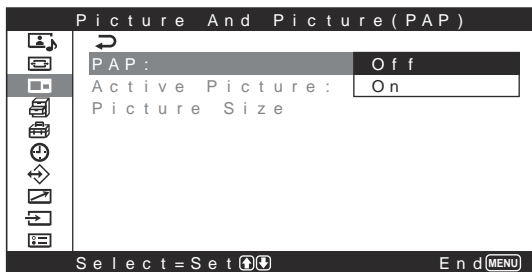
- 1 Press MENU.
The main menu appears on the screen.



- 2 Press \uparrow/\downarrow to move the cursor (yellow) to "Picture And Picture (PAP)" and press ENTER or \rightarrow .
The Picture And Picture (PAP) menu appears on the screen.



- 3 Press \uparrow/\downarrow to move the cursor (yellow) to "PAP" and press ENTER or \rightarrow .
The following menu appears on the screen.

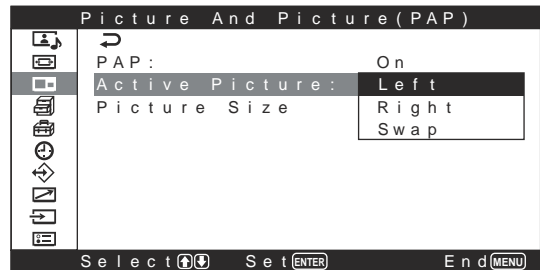


- 4 Select "On" with \uparrow/\downarrow .
- 5 Press ENTER or \leftarrow to return to the previous screen.

Activating a picture

Activate one of the two pictures for operation. (When you want to perform an operation on the right picture, for example.)

- 1 Press \uparrow/\downarrow to move the cursor (yellow) to "Active Picture" and press ENTER or \rightarrow .
The following menu appears on the screen.

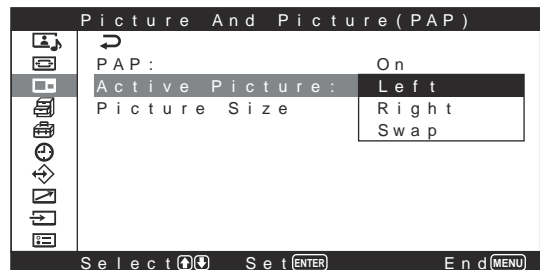


- 2 Select "Right" with \uparrow/\downarrow and press ENTER.
Now you can operate the right picture.



Switching the position of the two pictures

- 1 Press \uparrow/\downarrow to move the cursor (yellow) to "Active Picture" and press ENTER.
The following menu appears on the screen.



- 2 Select "Swap" with \uparrow/\downarrow and press ENTER.
The positions of the two pictures reversed.

Note

Please note that we always call the picture showing on the left "the left picture," and the one on the right "the right picture."

Zooming in on a picture

- 1 Press **↑/↓** to move the cursor (yellow) to “Picture Size” and press **ENTER**.



- 2 Keep pressing **←/→** to change the size of the picture.
- 3 Press **ENTER** to set the size you have selected.

Notes

- Picture And Picture Function can show one RGB picture from either INPUT1 or INPUT2 and one video picture from the VIDEO connectors.
- The function is not available for component signal.
- The function is not available for signals input to the Component/RGB Input Adaptor BKM-V11.

Adjusting the Sound Quality

When a speaker SS-SP20B (not supplied) installed, you can adjust sound treble level, bass level, or balance of the speaker (left and right) volume. The surround mode can also be set.

Adjusting the Treble, Bass, and Balance, etc.

Press **MENU** to show the main menu and adjust “Treble,” “Bass,” “Balance,” or “Surround” from the Adjust Sound menu.

Treble

Select “Treble” with **↑/↓** and press **ENTER**.
Adjust the treble with **↑/↓/←/→** within the range of MIN (–50) to MAX (+50).

↑/→: Increases sound treble.

↓/←: Decreases sound treble.

Bass

Select “Bass” with **↑/↓** and press **ENTER**.
Adjust the bass with **↑/↓/←/→** within the range of MIN (–50) to MAX (+50).

↑/→: Increases sound bass.

↓/←: Decreases sound bass.

Balance

Select “Balance” with **↑/↓** and press **ENTER**.
Adjust the balance with **↑/↓/←/→** within the range of LEFT (50) to RIGHT (50).

↑/→: Increases the volume on the right side.

↓/←: Increases the volume on the left side.

Surround

Select the Surround mode according to the type of picture.

1 Select “Surround” with **↑/↓** and press ENTER.

2 Select the Surround mode with **↑/↓** and press ENTER.

Off: No surround output

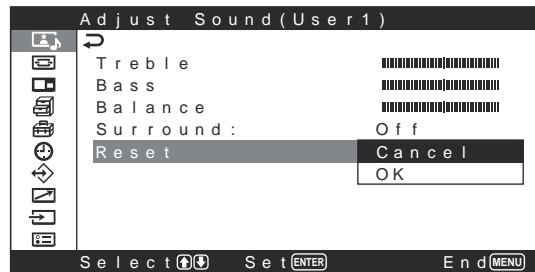
Hall: When desiring to give the stereo sound of movies or music programs a greater sense of presence.

Simul.: When desiring to give ordinary monaural programs or news telecasts an enhanced sense of presence using simulated stereo sound.

Restoring the Adjust Sound Menu Items to Their Original Settings

1 In the Adjust Sound menu, press **↑/↓** to move the cursor (yellow) to “Reset” and press ENTER or **→**.

The following menu appears on the screen.



2 Press **↑/↓** to move the cursor (yellow) to “OK” and press ENTER.

The Adjust Sound menu items restore their factory presettings.

To cancel the reset function

Press MENU before pressing ENTER. Alternatively, select “Cancel” with **↑/↓** and press ENTER.

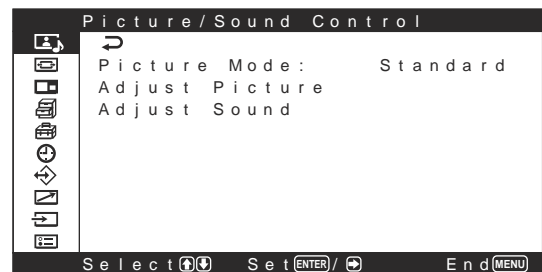
Using the Memory Function

You can save your settings for each input signal using the Memory function. The saved settings can be restored whenever necessary. The settings for the Picture/Sound Control and Screen Control menus can be memorized. You can save up to twenty settings. You can name the settings (up to 6 characters in length) as well.

Storing the Current Setting

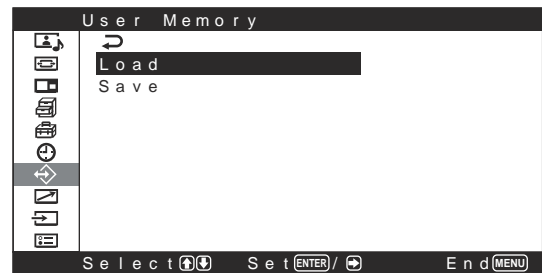
1 Press MENU.

The main menu appears on the screen.



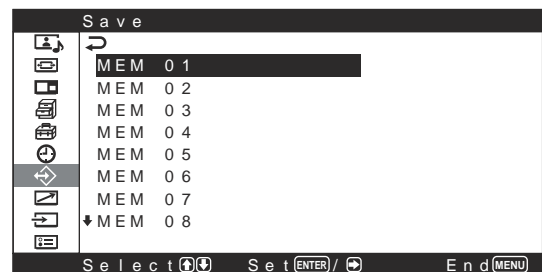
2 Press **↑/↓** to move the cursor (yellow) to “User Memory” and press ENTER or **→**.

The User Memory menu appears on the screen.



3 Press **↑/↓** to move the cursor (yellow) to “Save” and press ENTER or **→**.

The following menu appears on the screen.



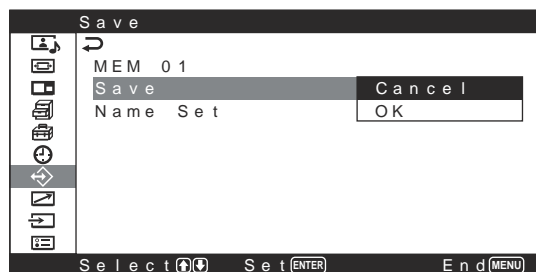
- 4 Select a memory number (01 to 20) with \uparrow/\downarrow and press ENTER or \rightarrow .

The following menu appears on the screen.



- 5 Press \uparrow/\downarrow to move the cursor (yellow) to "Save" and press ENTER or \rightarrow .

The following menu appears on the screen.



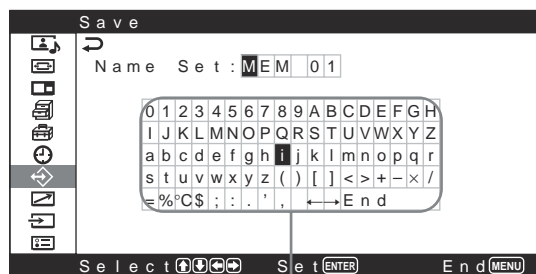
- 6 Press \uparrow/\downarrow to move the cursor (yellow) to "OK" and press ENTER.

The current data is stored under the selected memory number.

When you name the setting, follow the steps below.

- 7 Press \uparrow/\downarrow to move the cursor (yellow) to "Name Set" and press ENTER again.

The following menu appears on the screen.



Character list

- 8 Select a character or symbol from the character list with $\uparrow/\downarrow/\leftarrow/\rightarrow$ and press ENTER. The selected character is input. If you input a wrong character or symbol, select " \leftarrow " on the screen to backspace the cursor one character and reselect the right one.

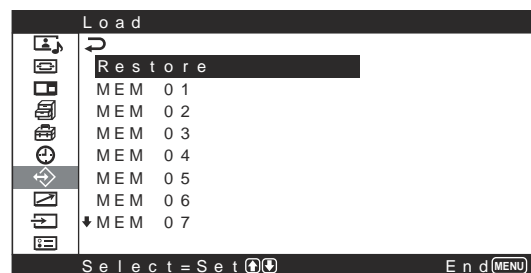
When "MENU Function" (page 23 (GB)) in the Initial Setup menu is set to "Return", the \uparrow/\downarrow buttons on the Remote Commander move the cursor left and right. To make the \uparrow/\downarrow buttons move the cursor up and down, set "MENU Function" to "On/Off."

- 9 Repeat step 8 and after you have finished entering the name, select "End" and press ENTER. The menu returns to the Save menu.

Calling Up a Stored Setting

- 1 In the User Memory menu, press \uparrow/\downarrow to move the cursor (yellow) to "Load" and press ENTER or \rightarrow .

The following menu appears on the screen.



- 2 Move the cursor to the Memory Number (01 to 20) of the setting that you want to recall with \uparrow/\downarrow . The stored adjustment value is recalled.

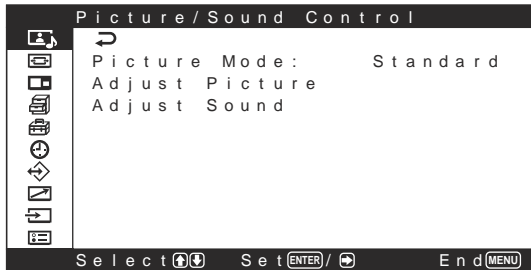
To restore the previous value
Move the cursor to "Restore."

- 3 Press the ENTER or \leftarrow . The display returns to the User Memory menu.

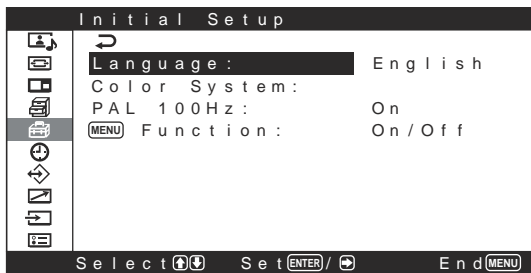
Selecting the On-screen Language

You can select the on-screen language from Japanese, English, German, French, Spanish or Italian.

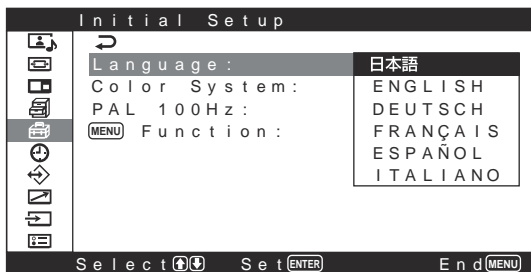
- 1 Press MENU.
The main menu appears on the screen.



- 2 Press **↑/↓** to move the cursor (yellow) to “Initial Setup” and press ENTER or **→**.
The Initial Setup menu appears on the screen.



- 3 Press **↑/↓** to move the cursor (yellow) to “Language” and press ENTER or **→**.
The following menu appears on the screen.



- 4 Press **↑/↓** to move the cursor (yellow) to the language of your choice.
The on-screen language is switched to the one you have selected.

日本語: Japanese
ENGLISH: English
DEUTSCH: German
FRANÇAIS: French
ESPAÑOL: Spanish
ITALIANO: Italian

- 5 Press ENTER or **←** to return to the Initial Setup menu.

Screen Saver Function

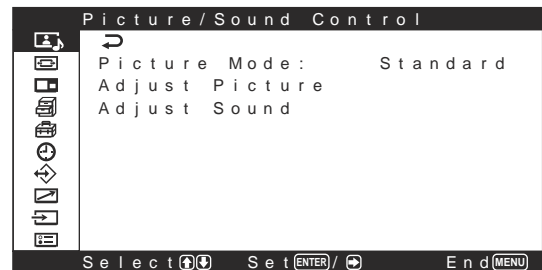
Leaving a still image or an image with poor change in brightness (such as the images of computer) showing for a long time can cause a burn-in or ghosting.

The unit has a screen saver function to fix or reduce the damage from them.

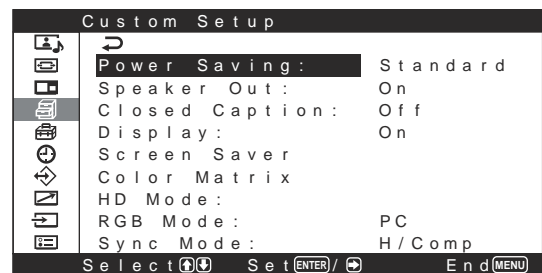
There are two types of screen saver: one reverses the color tones of the image (Pic. Inversion), and the other automatically moves the image around on the screen at a preset interval (Pic. Orbit).

Reversing the Color Tones of the Image

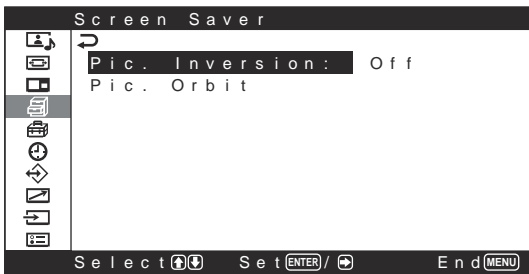
- 1 Press MENU.
The main menu appears on the screen.



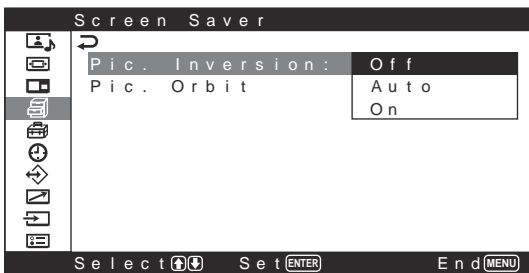
- 2 Press **↑/↓** to move the cursor (yellow) to “Custom Setup” and press ENTER or **→**.
The Custom Setup menu appears on the screen.



- 3 Press \uparrow/\downarrow to move the cursor (yellow) to “Screen Saver” and press ENTER or \rightarrow .
The following menu appears on the screen.



- 4 Press \uparrow/\downarrow to move the cursor (yellow) to “Pic. Inversion” and press ENTER.
The following menu appears on the screen.

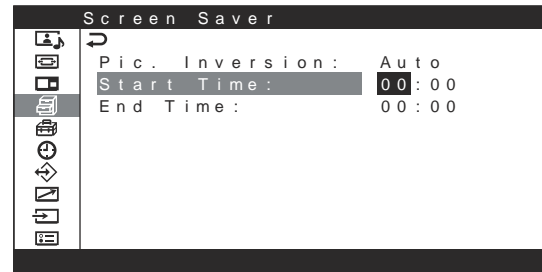


- 5 Select Pic. Inversion mode with \uparrow/\downarrow .
Off: Sets Pic. Inversion to Off.
Auto: Carries out the Pic. Inversion process once a day.
On: Reverses the color tones of the image.

When you select “Auto” and press ENTER, the following menu appears on the screen.



- (1) Press \uparrow/\downarrow to move the cursor (yellow) to “Start Time” and press ENTER.
The following menu appears and the background of the hour is displayed in yellow.



- (2) Set the hour when the image is to be reversed with \uparrow/\downarrow and press ENTER.
The setting for the hour is entered and the background of the minute is displayed in yellow.
- (3) Set the minute with \uparrow/\downarrow and press ENTER.
The setting for the minute is entered. Press \leftarrow to return to the screen shown in step 5.
When you use the buttons on the unit, press the MENU button to close the menu. Set “MENU Function” (page 23 (GB)) on the Initial Setup menu to “Return”. The MENU button on the unit then has the same function as the \leftarrow button.
- (4) Similarly, set the End Time of the Pic. Inversion.
The picture will be reversed at the Start Time and will return to the original display image at the End Time. This cycle is automatically carried out once a day.

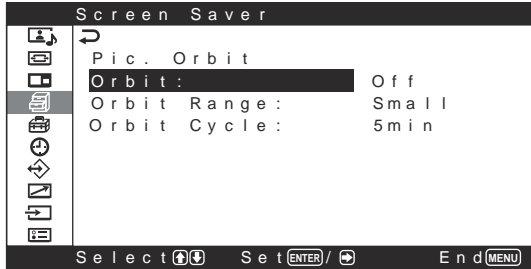
Note

If you set Start Time and End Time to the same time, the setting of Start Time takes priority over that of End Time. The display image does not return to the original image at the End Time.

Changing the Image Position Automatically

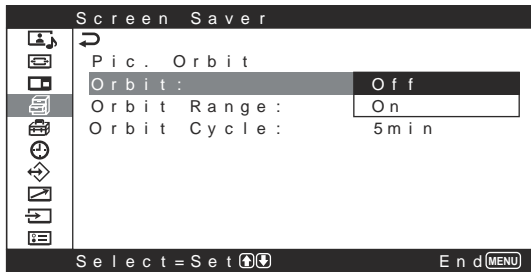
- 1 In the Screen Saver menu, press **↑/↓** to move the cursor (yellow) to “Pic. Orbit” and press **ENTER** or **→**.

The following menu appears on the screen.



- 2 Press **↑/↓** to move the cursor (yellow) to “Orbit” and press **ENTER** or **→**.

The following menu appears on the screen.



- 3 Select the Orbit mode with **↑/↓**.
Off: Cancel the Pic. Orbit function.
On: Set the Pic. Orbit function.

- 4 Press **ENTER** or **←**.

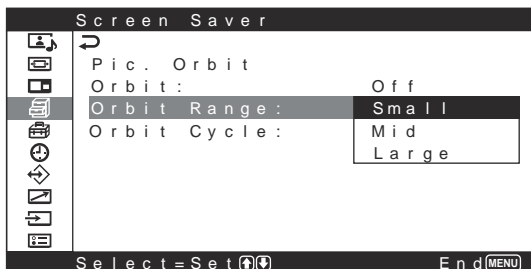
The menu returns to the Pic. Orbit menu.

- 5 Select “Orbit Range” (moving distance) or “Orbit Cycle” (time) with **↑/↓** and press **ENTER**.
The following values can be selected:

Orbit Range: Small, Mid, Large

Orbit Cycle: 10sec, 30sec, 1min, 5min

The following menu appears on the screen.
(When you select “Orbit Range”)



- 6 Adjust the Orbit Range or Orbit Cycle with **↑/↓**.

- 7 Press **ENTER** or **←** to return to the previous screen.

When both Pic. Inversion and Pic. Orbit are set to ON

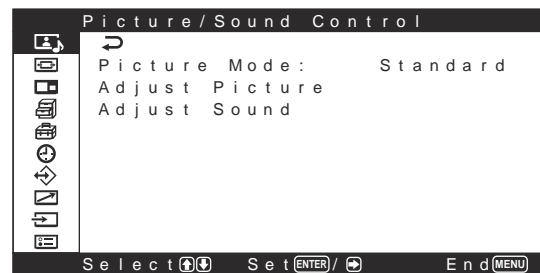
If the Pic. Orbit function is actuated while the picture is reversed, the reversed picture is displayed with changing its position.

Adjusting Color Matrix

You can set Color Matrix to show pictures in natural colors when a signal with a signal format (480P(525P), 1080I(1125I), or 720P(750P)) is input to the component input adapter.

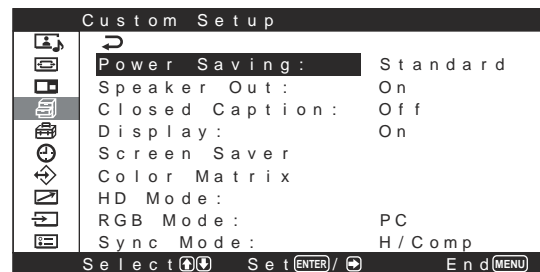
- 1 Press **MENU**.

The main menu appears on the screen.

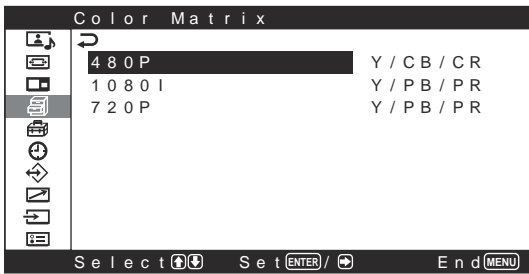


- 2 Press **↑/↓** to move the cursor (yellow) to “Custom Setup” and press **ENTER** or **→**.

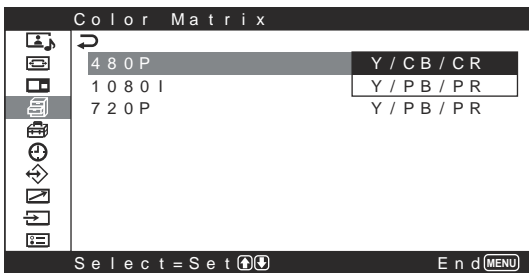
The Custom Setup menu appears on the screen.



- 3 Press **↑/↓** to move the cursor (yellow) to “Color Matrix” and press **ENTER** or **→**.
The following menu appears on the screen.



- 4 Select the signal format with **↑/↓** and press **ENTER** or **→**.
The following menu appears on the screen.



- 5 Select the color matrix with **↑/↓**.
Y/CB/CR: When signal format is 480P.
Y/PB/PR: When signal format is 1080I or 720P.
Refer to the operating instructions of each device for details on the settings.

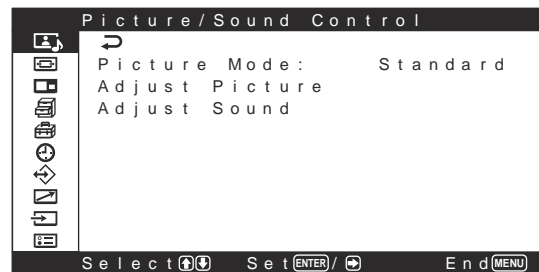
- 6 Press **ENTER** or **←** to return to the previous screen.

Controlling Power On/Off Automatically (Timer Function)

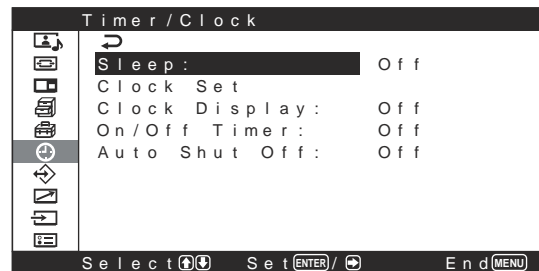
This display has three power controlling functions. You can set one to turn off the power automatically if there is no input signal (Power Saving function). You can set the time when the power automatically turns on/off (On/Off Timer function). In addition, a sleep function is provided that automatically turns off the power after a preset amount of time has elapsed even while the screen is displayed.

Sleep Function

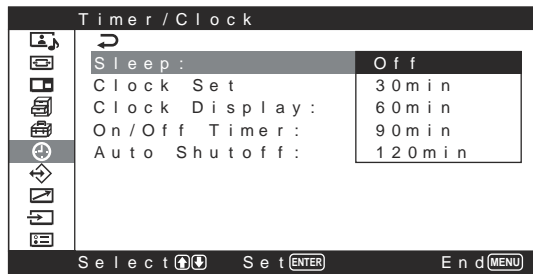
- 1 Press **MENU**.
The main menu appears on the screen.



- 2 Press **↑/↓** to move the cursor (yellow) to “Timer/Clock” and press **ENTER** or **→**.
The Timer/Clock menu appears on screen.



- Press **↑/↓** to move the cursor (yellow) to “Sleep” and press **ENTER** or **→**.
The following menu appears on the screen.

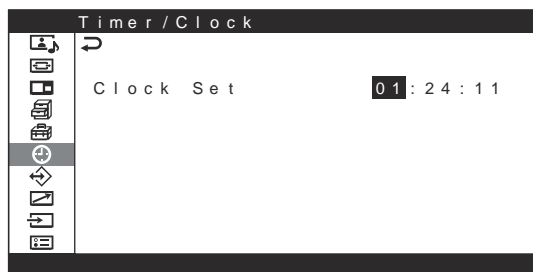


- Select the period of time to power off the display with **↑/↓**.
Off: Power is not turned off.
30 min: Power off after 30 minutes.
60 min: Power off after 60 minutes.
90 min: Power off after 90 minutes.
120 min: Power off after 120 minutes.

- Press **ENTER** or **←** to return to the previous screen.

Adjusting the time

- In the Timer/Clock menu, press **↑/↓** to move the cursor (yellow) to “Clock Set” and press **ENTER** or **→**.
The following menu appears, and the background color of the time turns to yellow.



- Adjust the hour with **↑/↓** and press **ENTER**.
The setting for the hour is entered and the background of the minute is displayed in yellow.
- Similarly, adjust the minute and press **ENTER**.
The setting for the minute is entered and the background of the second turns to yellow.
- Press **ENTER**.
The second is reset to 00.

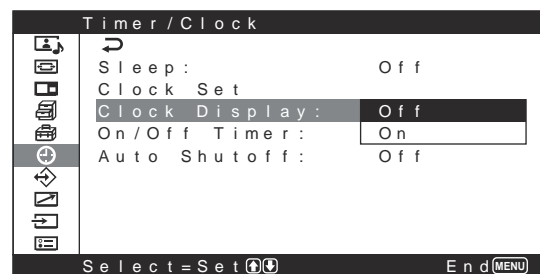
- Press **MENU**.
The display returns to the normal screen. If you must make further adjustments, or the setting must be made again, repeat the process from step 1.

Note

If the built-in clock tends to lose time, the internal battery may be exhausted. Please contact your authorized Sony dealer to have the battery replaced.

Displaying the time

- In the Timer/Clock menu, press **↑/↓** to move the cursor (yellow) to “Clock Display” and press **ENTER**.
The following menu appears on the screen.



- Select “On” with **↑/↓**.
When you hide the menu, the clock appears on the lower right corner of the screen.

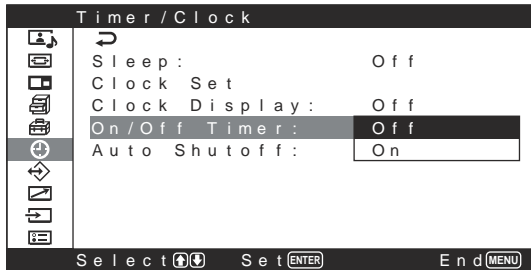
When you press the **DISPLAY** button on the Remote Commander, the clock disappears, and the signal currently input and the Picture Mode appear. If you press the **DISPLAY** button again, the clock appears again.

If the information is displayed undisturbed for about 10 seconds, it will disappear automatically. “Clock Display : ON” will not be saved after the unit is powered off.

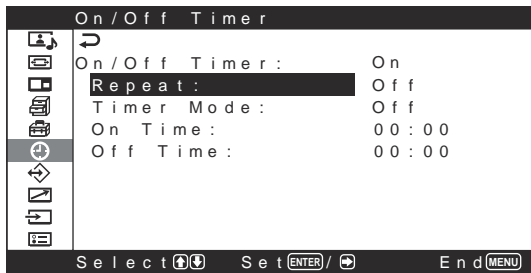
On/Off Timer Function

- 1 In the Timer/Clock menu, press \uparrow/\downarrow to move the cursor (yellow) to “On/Off Timer” and press ENTER.

The following menu appears on the screen.

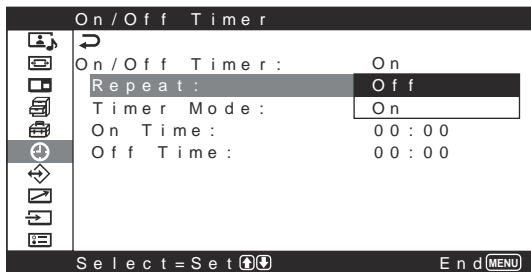


- 2 Select “On” with \uparrow/\downarrow and press ENTER. The following menu appears on the screen.



- 3 Select “Repeat” with \uparrow/\downarrow and press ENTER or \rightarrow .

The following menu appears on the screen.

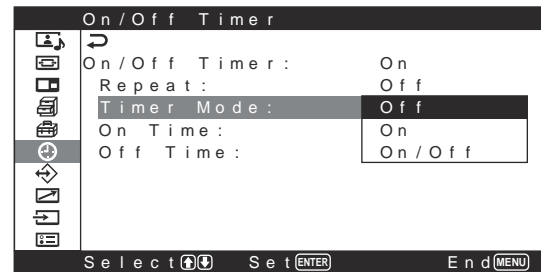


- 4 Select the repeat mode with \uparrow/\downarrow .
Off: Power on/off only once.
On: Power on/off at the predetermined time every day.

- 5 Press ENTER or \leftarrow .
 The menu returns to the On/Off Timer menu.

- 6 Select “Timer Mode” with \uparrow/\downarrow and press ENTER or \rightarrow .

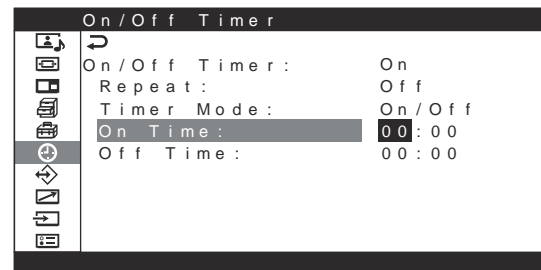
The following menu appears on the screen.



- 7 Press \uparrow/\downarrow to select the Timer Mode.
Off: Power off at the time set for Off Time.
On: Power on at the time set for On Time.
On/Off: Power on at the time set for On Time, and power off at the time set for Off Time.

- 8 Press ENTER or \leftarrow .
 The menu returns to the On/Off Timer menu.

- 9 Press \uparrow/\downarrow to move the cursor (yellow) to “On Time” and press ENTER or \rightarrow .
 The following menu appears on the screen. The background of the hour is displayed in yellow.



- 10 Press \uparrow/\downarrow to set the hour and press ENTER or \rightarrow .

The time is entered and the background of the minutes is displayed in yellow.

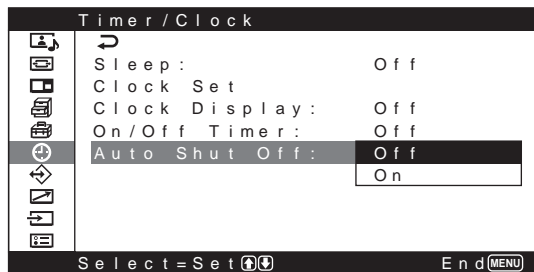
- 11 Press \uparrow/\downarrow to set the minute and press ENTER. Press \leftarrow to return to the screen shown in step 2. When you use the buttons on the unit, press the MENU button to close the menu. Set “MENU Function” (page 23 (GB)) on the Initial Setup menu to “Return”. The MENU button on the unit then has the same function as the \leftarrow button.

- 12 Press \uparrow/\downarrow to move the cursor (yellow) to “Off Time” and press ENTER. Do the same thing for the power on hour and minute.

Power Saving Function

Automatically turns off the power when there is no input signal to the INPUT1 or INPUT2 connectors when the input mode is set to RGB.

- 1 In the Timer/Clock menu, press **↑/↓** to move the cursor (yellow) to “Auto Shutoff” and press ENTER or **→**.
The following menu appears on the screen.



- 2 Press **↑/↓** to select the length of time until the change to power saving mode.
Off: The power saving function does not work.
On: The power saving function will work.

Note

Input selection is available during power saving mode.

The ON indicator flashes when the unit is in the power saving mode.

- 3 Press ENTER or **←** to return to the previous screen.

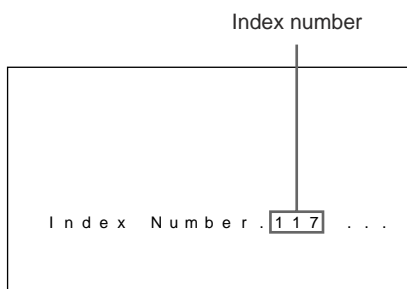
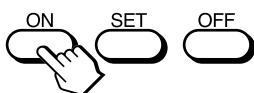
To cancel the power saving function

Input the signal again, or press the **⏻** switch on the **⏻** (standby) switch / indicator section or the POWER ON switch on the Remote Commander.

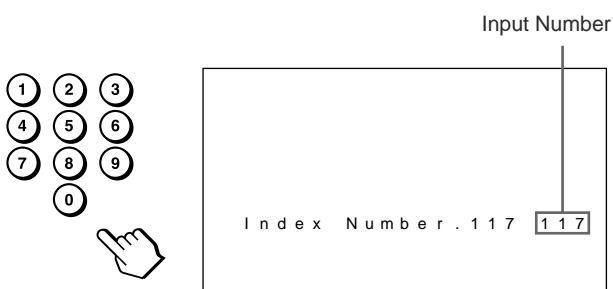
Operating a Specific Display With the Remote Commander

Using the supplied Remote Commander, you can operate a specific display without affecting other displays installed at the same time.

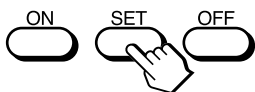
- 1 Press ID MODE ON on the Remote Commander. Monitor index numbers appear in white characters on all the displays. (Every display is allocated an individual preset index number from 1 to 255.)
For details, see “To change the index number” on page 49 (GB).



- 2 Input the index number of the display you want to operate using the 0 – 9 buttons on the Remote Commander. The input number appears right next to the index number of each display.



- 3 Press ID MODE SET. The characters on the selected display change to green while the others change to red.



You can operate the specified display only. (Power ON/STANDBY apply to the other displays, as well.)

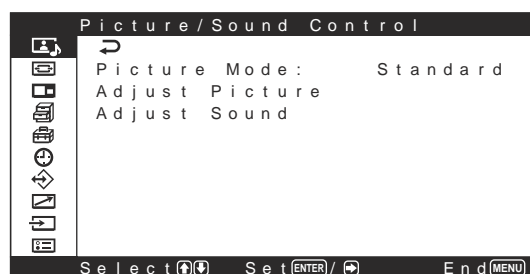
- 4 When all of the setting changes have been completed, press the ID MODE OFF button. The display returns to the normal screen.



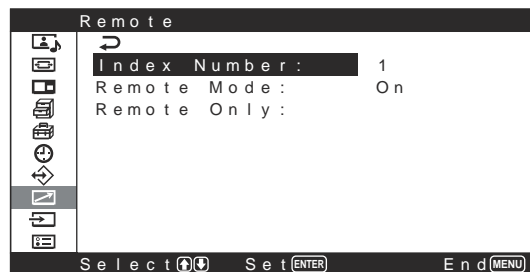
To change the index number

You can change the index number if necessary. When you change the number, use the buttons on the control button section of the display unit.

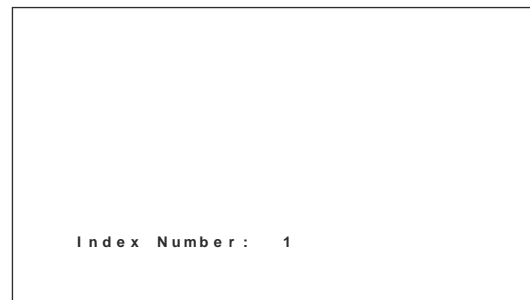
- 1 Press MENU. The main menu appears on the screen.



- 2 Press ↑/↓ to move the cursor (yellow) to “Remote” and press ENTER. The Remote menu appears on the screen.



- 3 Press ↑/↓ to move the cursor (yellow) to “Index Number” and press ENTER. The following menu appears on the screen.



- 4 Select the index number with ↑/↓ and press ENTER. The menu returns to the Remote menu.

Using Other Remote Commander Models

The following operations can be carried out using other Remote Commander models.

- Power on/off
- Input selection
- Menu operations
- Picture adjustments: Contrast, Phase and Chroma
- On-screen display on/off

The operations available and the buttons to be used for each operation are limited depending on each Remote Commander. See the table below.

Remote Commander model		RM-921
REMOTE MODE setting		ON
Input selection	INPUT1	RGB1
	INPUT2	RGB2
	VIDEO	LINE
Menu operation	MENU	MENU
	ENTER	ENTER
	↑	↑
	↓	↓
Picture adjustment	Contrast	CONTRAST+/-
	Chroma	CHROMA
	Phase	—
On-screen information		DISPLAY

Specifications

Video processing

Preset signal	See page 28 (GB).
Sampling rate	13.5 MHz to 140 MHz
Panel system	AC-type Plasma Display Panel
Display resolution	852 dots (horizontal) × 480 lines (vertical) 480 dots (horizontal) × 852 lines (vertical) (PFM-42V1P)
Pixel pitch	1.08 (horizontal) × 1.08 (vertical) mm ($\frac{1}{32} \times \frac{1}{32}$ inches)
Picture size	920 (horizontal) × 518 (vertical) mm ($36 \frac{7}{32} \times 20 \frac{13}{32}$ inches) 518 (horizontal) × 920 (vertical) mm ($20 \frac{13}{32} \times 36 \frac{7}{32}$ inches) (PFM-42V1P)
Panel size	42-inch (diagonal 1058 mm)

Inputs and Outputs

INPUT1

RGB/YUV	D-sub 15-pin (female) (×1) (See "Pin assignment" on page 52 (GB).)
AUDIO	Stereo minijack (×1) 500 mVrms, high impedance

INPUT2 ¹⁾

DVI	DVI (DVI Specification Rev. 1.0 compliant)
AUDIO	Stereo minijack (×1) 500 mVrms, high impedance

CONTROL S IN/OUT

AUDIO OUT Stereo minijack (×1)

REMOTE (RS-232C)

D-sub 9-pin (×1)

VIDEO (NTSC, PAL, SECAM, NTSC4.43, PAL60, PAL-M, PAL-N)²⁾

COMPOSITE IN	BNC (×1) Composite video, 1 Vp-p ±2 dB sync negative, 75 ohms (automatic termination)
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COMPOSITE OUT

Y/C IN	BNC (×1) Loop-through Mini DIN 4-pin (×1) Y (luminance): 1 Vp-p ±2 dB sync negative, 75 ohms terminated C (chrominance): Burst 0.286 Vp-p ±2 dB (NTSC), 75 ohms terminated Burst 0.3 Vp-p ±2 dB (PAL), 75 ohms terminated
AUDIO IN	Pinjack (×2) 500 mVrms, high impedance

SPEAKER

7 W + 7 W (6 ohms), direct unbalanced impedance: 6-16 ohms

Component/RGB Input Adaptor BKM-V11 (Not supplied)

YUV/RGB IN

YUV/RGB	BNC (×5)
AUDIO	Pinjack (×2) 500 mVrms, high impedance

RGB/Component Active Through Adaptor BKM-V12 (Not supplied)

RGB/YUV ACTIVE THROUGH

RGB/YUV IN	D-sub 15-pin (female) (×1)
AUDIO IN	Stereo minijack (×1) 500 mVrms, high impedance
RGB/YUV OUT	D-sub 15-pin (female) (×1)

General

Power requirements

100 V to 240 V AC, 50/60 Hz,
3.7 A to 1.5 A

Power consumption

360 W

Operating conditions

Temperature: 0 °C to 35 °C
(32 °F to 95 °F)
Humidity: 20% to 90%
(no condensation)
Atmospheric pressure: 800 to 1100 hPa

1) The PFM-42V1N is not equipped with the INPUT2 connectors.

2) The PFM-42V1E and 42V1N are not equipped with VIDEO connectors. For these models, composite video and Y/C input can be input when the Video Input Adaptor BKM-V10 (not supplied) is installed in the display.

Specifications

Storing/transporting conditions

Temperature: $-10\text{ }^{\circ}\text{C}$ to $+40\text{ }^{\circ}\text{C}$
($14\text{ }^{\circ}\text{F}$ to $104\text{ }^{\circ}\text{F}$)
Humidity: 20% to 90%
(no condensation)

Atmospheric pressure: 700 to
1100 hPa

Dimensions

$1033 \times 631 \times 83\text{ mm}$
($40\frac{3}{4} \times 24\frac{7}{8} \times 3\frac{3}{8}\text{ inches}$)
PFM-42V1P:
 $631 \times 1033 \times 83\text{ mm}$
($24\frac{7}{8} \times 40\frac{3}{4} \times 3\frac{3}{8}\text{ inches}$)
(w/h/d, excluding projections)

Mass

27 kg (59 lb 8 oz)

Supplied accessories

AC power cord (1)
AC plug holder (2)
Digital RGB (DVI-D) signal cable:
TMDS (Single Link) (1) *
Cable holder (4)
Remote Commander RM-971 (1)
Size AA (R6) batteries (2)
Operating instructions (1)
* Except for the PFM-42V1N

Optional accessories

Display stand SU-42B
Speaker SS-SP20B
Video Input Adaptor BKM-V10
(for the PFM-42V1E only)
Component/RGB Input Adaptor
BKM-V11
RGB/Component Active Through
Adaptor BKM-V12

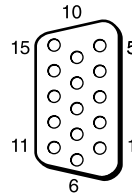
Safety regulations

UL1950, CSA No. 950 (c-UL),
FCC Class B, IC Class B,
EN60 950 (NEMKO), CE,
C-Tick

Design and specifications are subject to change
without notice.

Pin assignment

RGB/YUV connector (D-sub 15-pin)



Pin No.	Signal
1	Red video or R-Y or P_R
2	Green video or Y or Sync On Green
3	Blue video or B-Y or P_B
4	Ground
5	Ground
6	Red ground
7	Green ground
8	Blue ground
9	Not used
10	Ground
11	Ground
12	SDA
13	H sync or composite sync
14	V sync
15	SCL

AVERTISSEMENT

Pour prévenir tout risque d'incendie ou d'électrcution, garder cet appareil à l'abri de la pluie et de l'humidité.

De dangereuses hautes tensions circulent à l'intérieur de cet appareil. N'ouvrez pas le châssis.

Confiez-en l'entretien exclusivement à un personnel qualifié.

Transport

Lorsque que vous transportez l'écran, tenez le par l'appareil lui même et non par les haut parleurs. Dans le cas contraire, ces derniers peuvent se détacher et l'appareil risque de tomber. Ceci pourrait entraîner des blessures.

Pour les utilisateurs au Canada

Cet appareil est numérique de la classe B est conforme à la norme NMB-003 du Canada.

La prise doit être près de l'appareil et facile d'accès.

Attention

Risque d'explosion en cas de remplacement des piles par des piles de type incorrect.

Jetez les piles usées conformément aux instructions.

<http://www.sony.net/>

お問い合わせは
「ソニー業務用製品ご相談窓口のご案内」にある窓口へ

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