

Owner's Record

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

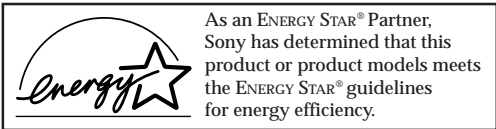
Model No. _____

Serial No. _____

WARNING

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

Dangerously high voltages are present inside the unit. Do not open the cabinet. Refer servicing to qualified personnel only.



ENERGY STAR® is a U.S. registered mark.

FCC Notice

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 questions regarding your product or for the Sony Customer Information Service Center nearest you call:

1-800-222-SONY (7669)

The number below is for FCC related matters only.

Declaration of Conformity

Trade Name: SONY
Model No.: SDM-V72W
Responsible Party: Sony Electronics Inc.
Address: 680 Kinderkamack Road,
Oradell, NJ 07649 USA
Telephone No.: 201-930-6972

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.

NOTICE

This notice is applicable for USA/Canada only.

If shipped to USA/Canada, install only a UL LISTED/CSA LABELLED power supply cord meeting the following specifications:

SPECIFICATIONS

Plug Type	Nema-Plug 5-15p
Cord	Type SVT or SJT unshielded, minimum 3 x 18 AWG
Length	Maximum 15 feet
Rating	Minimum 7 A, 125 V

NOTICE

Cette notice s'applique aux États-Unis et au Canada uniquement.


Si cet appareil est exporté aux États-Unis ou au Canada, utiliser le cordon d'alimentation portant la mention UL LISTED/CSA LABELLED et remplissant les conditions suivantes :

SPÉCIFICATIONS

Type de fiche	Fiche Nema 5-15 broches
Cordon	Type SVT ou SJT, non blindé, minimum 3 x 18 AWG
Longueur	Maximum de 15 pieds
Tension	Minimum 7 A, 125 V



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- Macintosh is a trademark licensed to Apple Computer, Inc., registered in the U.S.A. and other countries.
- Windows® is registered trademark of Microsoft Corporation in the United States and other countries.
- IBM PC/AT and VGA are registered trademarks of IBM Corporation of the U.S.A.
- VESA and DDC™ are trademarks of the Video Electronics Standards Association.
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- All other product names mentioned herein may be the trademarks or registered trademarks of their respective companies.
-  is a trademark of SRS Labs, Inc. SRS WOW technology is incorporated under license from SRS Labs, Inc.
- Furthermore, "™" and "®" are not mentioned in each case in this manual.

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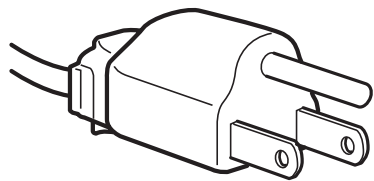
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Precautions

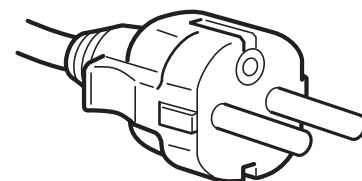
Warning on power connections

Use the supplied power cord. If you use a different power cord, be sure that it is compatible with your local power supply.

If you do not use the appropriate cord, this display will not conform to mandatory FCC standards.



for 100 to 120 V AC



for 200 to 240 V AC

For use only with AC adapter, Sony AC-DP001

The equipment should be installed near an easily accessible outlet.

Installation

Do not install or leave the display:

- In places subject to extreme temperatures, for example near a radiator, heating vent, or in direct sunlight. Subjecting the display to high temperatures, such as in an automobile parked in direct sunlight, could cause deformations of the casing or malfunctions.
- In places where the display may tip and fall, such as locations subject to any vibration or shock or an unstable surface.
- Near any equipment that generates a strong magnetic field, such as a TV or various other household appliances.
- In places subject to inordinate amounts of dust, dirt, or sand, for example near an open window or an outdoor exit. If setting up temporarily in an outdoor environment, be sure to take adequate precautions against airborne dust and dirt. Otherwise irreparable malfunctions could occur.
- In places where the display may come in contact with extreme moisture or liquid, such as in bathroom or area near pool. Avoid placing glasses or cups on top of the display that may cause liquid to spill inside.

Handling the LCD screen

- Do not leave the LCD screen facing the sun as it can damage the LCD screen. Take care when you place the display by a window.
- Do not push on or scratch the LCD screen. Do not place a heavy object on the LCD screen. This may cause the screen to lose uniformity or cause LCD panel malfunctions.
- If the display is used in a cold place, a residual image may appear on the screen. This is not a malfunction. The screen returns to normal as the temperature rises to a normal operating level.
- If a still picture is displayed for a long time, a residual image may appear for a while. The residual image will eventually disappear.
- The LCD panel becomes warm during operation. This is not a malfunction.

About the built-in stereo speakers

Be sure to keep magnetic recording equipment, tapes, and floppy discs away from the speaker's opening as the speakers generate a magnetic field. This magnetic field may affect data stored on magnetic tapes and discs.

Handling the headphones

Be sure to remove the headphones before moving away from the display. If the headphone cord is pulled away from the display abruptly, injury or damage may occur.

Note on the LCD (Liquid Crystal Display)

Please note that the LCD screen is made with high-precision technology. However, black points or bright points of light (red, blue, or green) may appear constantly on the LCD screen, and irregular colored stripes or brightness may appear on the LCD screen. This is not a malfunction.

(Effective dots: more than 99.99%)

Maintenance

- Be sure to unplug the power cord from the power outlet before cleaning your display.
- Clean the LCD screen with a soft cloth. If you use a glass cleaning liquid, do not use any type of cleaner containing an anti-static solution or similar additive as this may scratch the LCD screen's coating.
- Clean the cabinet, panel, and controls first with a soft cloth lightly moistened with a mild detergent solution, then dry off with a soft cloth. Do not use any type of abrasive pad, scouring powder, or solvent, such as alcohol or benzine.
- Do not rub, touch, or tap the surface of the screen with sharp or abrasive items such as a ballpoint pen or screwdriver. This type of contact may result in a scratched LCD display screen.
- Note that material deterioration or LCD screen coating degradation may occur if the display is exposed to volatile solvents such as insecticide, or if prolonged contact is maintained with rubber or vinyl materials.

Transportation

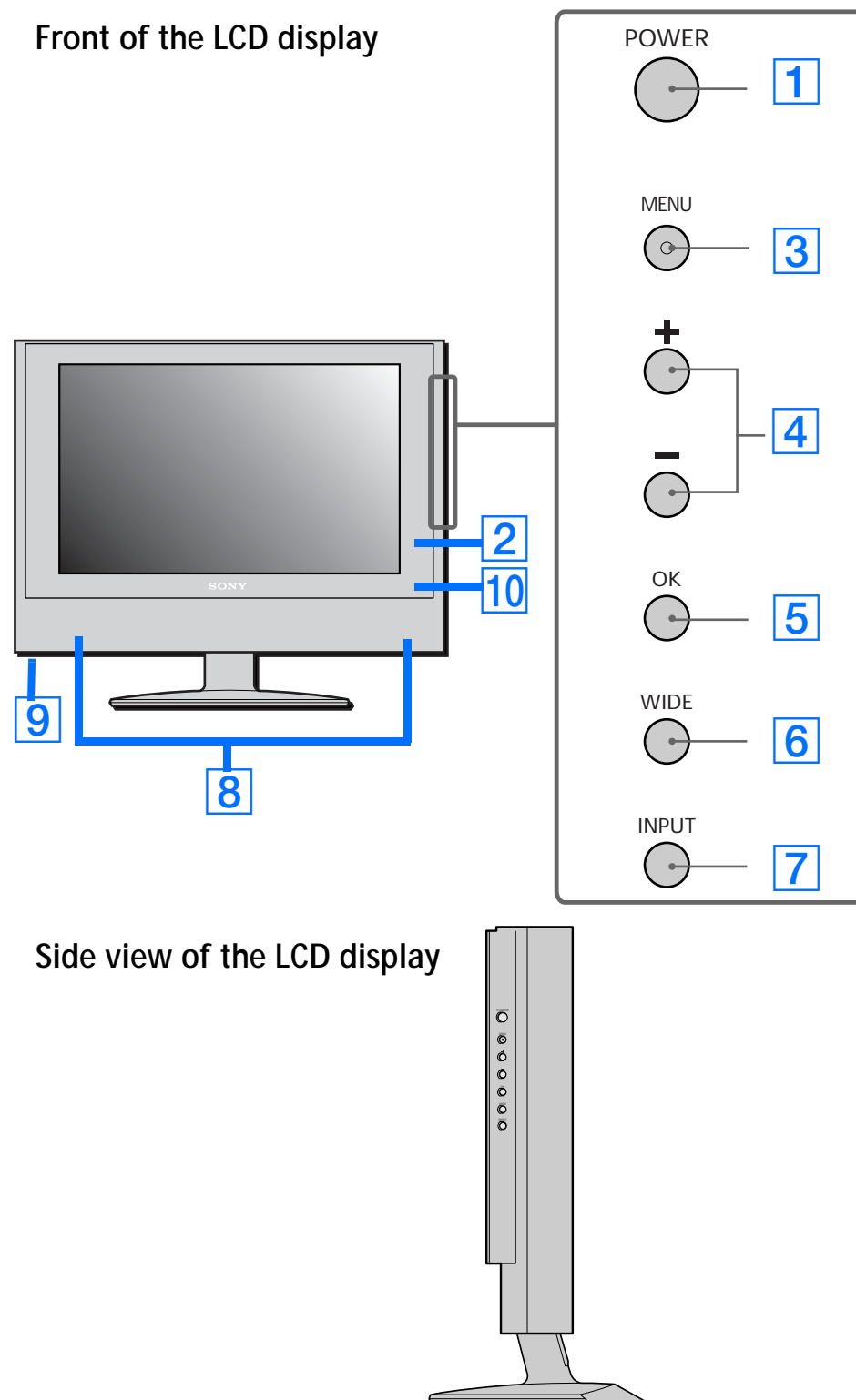
- Disconnect all cables from the display and grasp the support and base sections of the display stand firmly with both hands when transporting. If you drop the display, you may be injured or the display may be damaged.
- The back panel is designed to come off; do not lift the display by its back panel alone.
- When you transport this display for repair or shipment, use the original carton and packing materials.

Disposal of the display

- Do not dispose of this display with general household waste.
- The LCD contains a small amount of liquid crystal and mercury. The fluorescent tube used in this display also contains mercury. Follow your local ordinances and regulations for disposal.

Identifying parts and controls

See the pages in parentheses for further details.



1 POWER button (page 16)

This button turns the display on. To turn the display off, press this button again.

2 Power LED indicator (page 16)

This LED indicates power ON/OFF, power save, and remote off status.

3 MENU button (pages 19 and 25)

This button turns the menu screen on and off.

4 +/- buttons (pages 19, 25, and 33)

These buttons are used to select the menu items and make adjustments, and also to control the volume when the menu screen is not active.

5 OK button (pages 19 and 25)

This button activates the selected menu item and enables adjustments using the +/- buttons 4.

6 WIDE button (pages 22 and 29)

This button switches between different screen size modes in both PC and Video modes.

7 INPUT button (pages 19 and 25)

This button switches between connected input sources, including PC input, Composite video input, S-Video input, and Y/Pb/Pr Component video input.

8 Stereo speakers (page 33)

These output the audio signals.

9 Headphones jack (page 33)

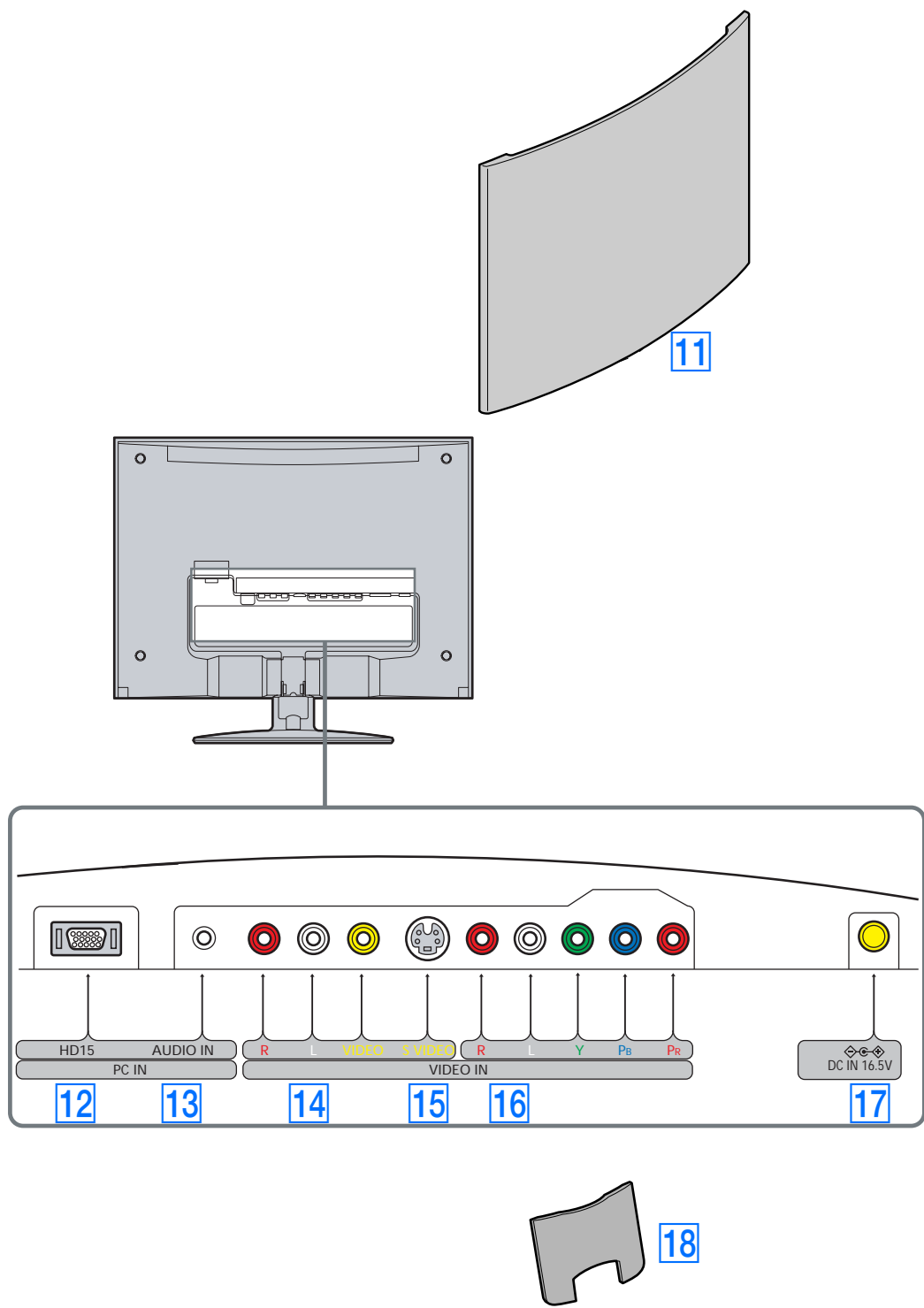
This jack outputs audio signals to the headphones.

10 Remote card IR (Infrared Receiver) sensor window

This window detects signals from the remote card.

Identifying parts and controls - cont.

Rear of the LCD display



11 Back panel (pages 10 and 14)

Remove this panel to access power and input connections for the display.

12 HD15 input for PC Input (analog RGB)

This connector inputs analog RGB video signals (0.700 Vp-p, positive) and SYNC signals.

13 Audio input jack for PC Input (page 11)

This jack inputs audio signals when connected to the audio output jack of a computer or other audio equipment.

14 Composite Input (page 12)

These jacks input audio/video signals when connected to the composite output jack of video equipment.

15 S-Video Input (page 12)

This jack inputs video signals when connected to the S-Video output jack of video equipment for better picture quality than the composite video. You will need to connect audio cables for sound (S-Video carries only the video signal).

16 Y/Pb/Pr Component Video and Audio Input (page 12)

These jacks input high quality video and audio signals when connected to equipment with component output.

17 DC IN connector (page 13)

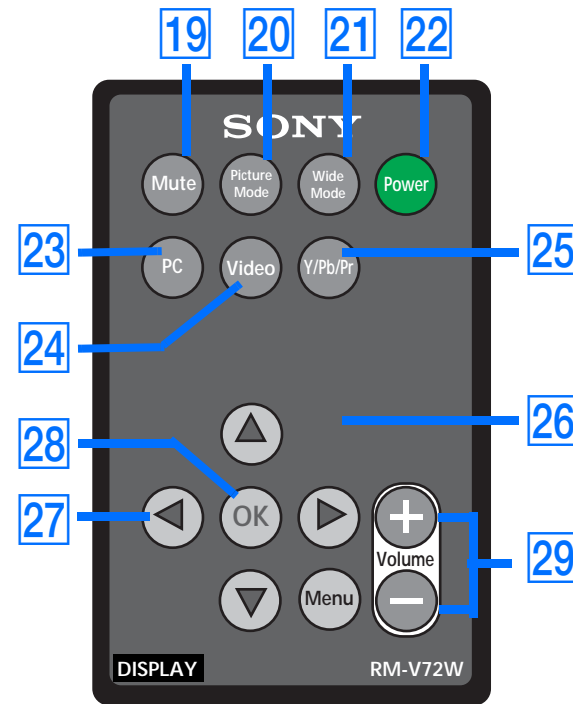
This connector provides 16.5V DC power to the display. Connect the AC adapter (provided) to this connector.

18 Cable cover (pages 10 and 14)

Remove this cover to organize the cables connected to the display monitor.

Identifying parts and controls - cont.

Remote Card



19 MUTE button (page 33)

Press this button to mute the sound. Press again or + Volume button to restore the sound.

20 PICTURE MODE button (page 26)

Press this button to switch between different picture mode settings.

21 WIDE MODE button (pages 22 and 29)

Press this button to switch between different screen size modes in both PC and Video modes.

22 POWER button (page 16)

Press this button to turn the display on when the power LED indicator is red. To turn the display off (remote off mode), press this button again. For remote off, see page 18.

23 PC input button (page 12)

Press this button to display PC input signal.

24 VIDEO input button (page 12)

Press this button to display either Composite video or S-Video signal.

25 Y/Pb/Pr Component Video button (page 12)

Press this button to display Y/Pb/Pr Component Video input signal.

26 MENU button (pages 19 and 25)

Press this button to turn the menu screen on and off.

27 Arrow buttons (pages 19 and 25)

Use these buttons to select the menu items and make adjustments.

28 OK button (pages 19 and 25)

Press this button to activate the selected menu item and adjustments using the arrow buttons **27**.

29 +/- VOLUME buttons (pages 19, 25 and 33)

Press these buttons to control the volume.

Setup

Before using your display, check that the following items are included in your carton:

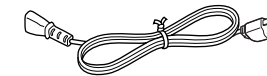
- LCD display
- Remote card
- AC Power cord
- AC Adapter (AC-DP001)
- HD15/D-sub video signal cable (analog RGB)
- Audio cord (stereo miniplug)
- Composite video extension cable
- S-Video extension cable
- Warranty card
- Quick Setup Guide
- This instruction manual on CD-ROM



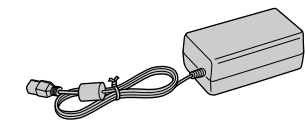
Display



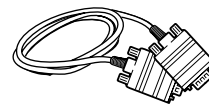
Remote card



AC Power Cord



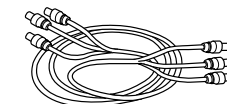
AC Adapter



HD15/D-sub video signal cable



Audio cord



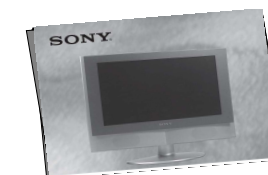
Composite video extension cable



S-Video Extension Cable



Warranty Card



Quick Setup Guide

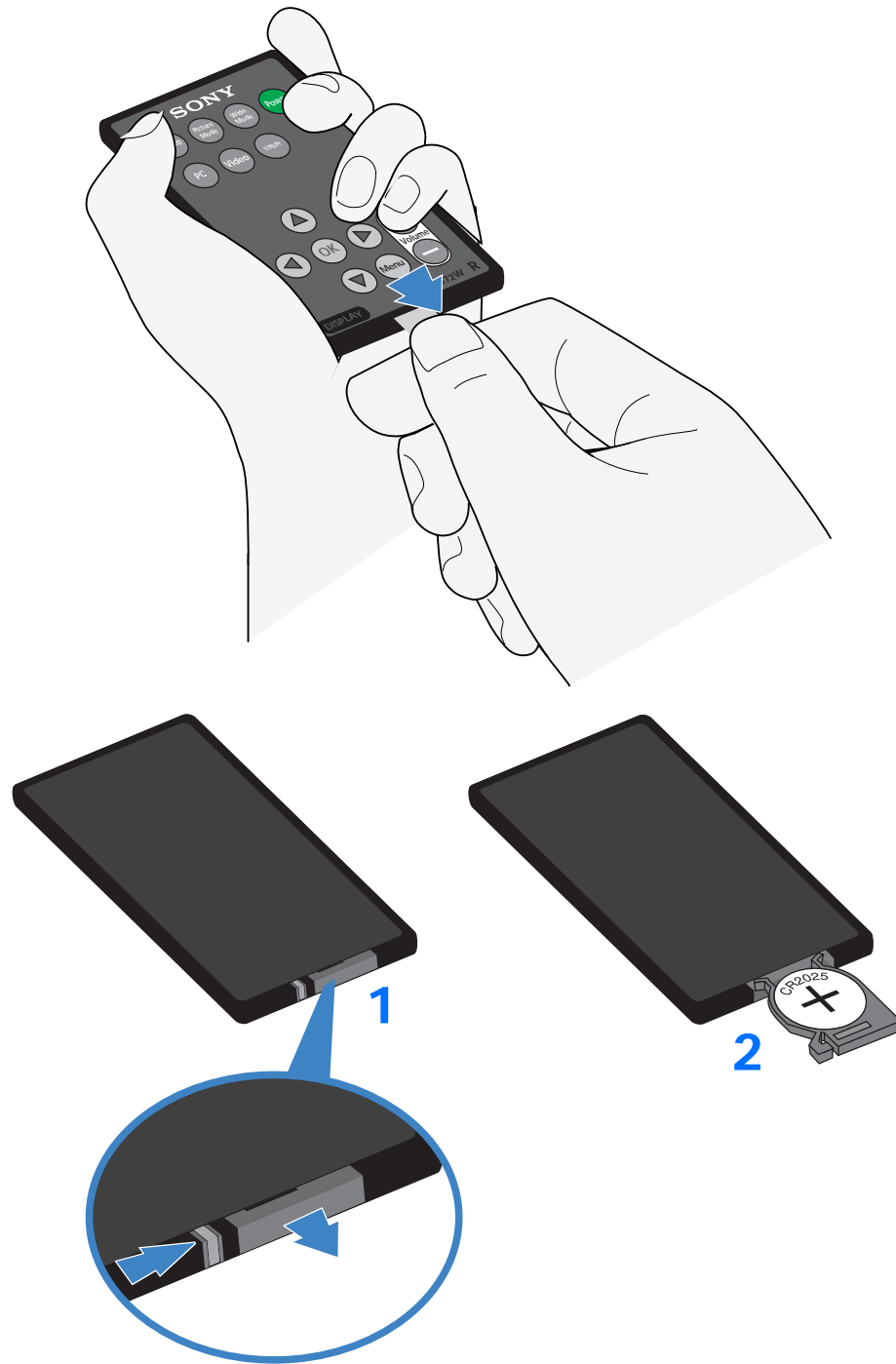


CD



This display can be wall mounted with VESA Standard Wall Mount. For instruction and mounting bracket please refer to your local retailer.

Setup 1 *Activating and replacing a battery for remote card*



Activating the remote card

To activate the battery for the remote card, remove the plastic slip by pulling the tab.

Replacing the remote card battery

- 1 To replace the worn battery with a new one, remove the battery compartment from the remote card by pressing the lock latch to the right, then pull out the compartment.
- 2 Be sure that the positive terminal (+) of the CR2025 lithium battery is facing upward.
- 3 Close the battery compartment to with a gentle push until you hear the click.
The worn battery should be disposed properly. Check with your local regulations.

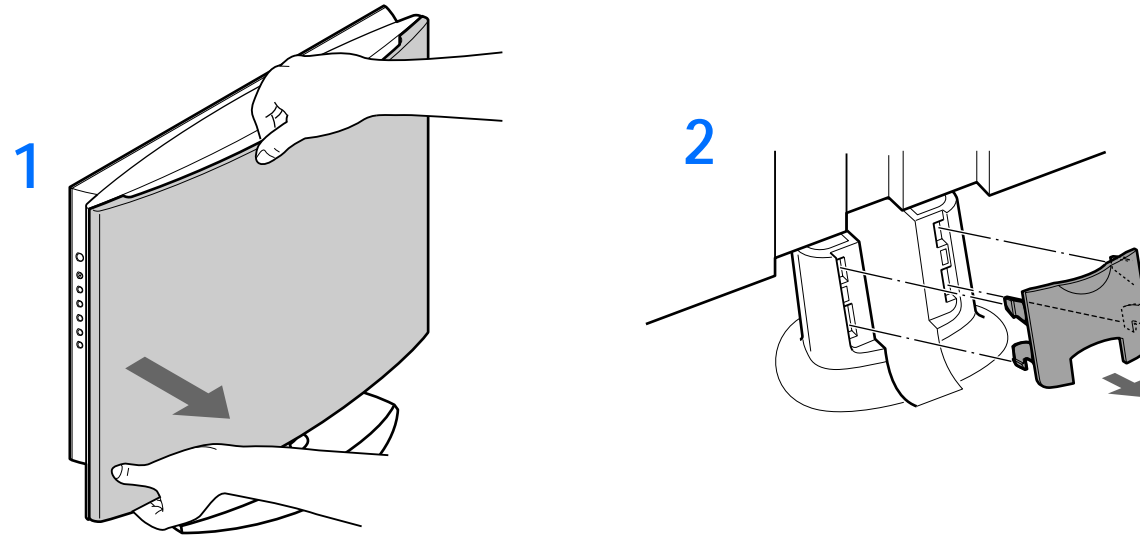


Handle the remote card with care. Do not try to bend it, drop it or get it wet. Avoid placing it near a heater, in direct sunlight, or where humidity is high.

Caution: Keep the batteries away from the reach of young children. Batteries may pose a potential health hazard if put in their mouth (i.e., they may swallow it or choke on it).

Setup 2 *Connecting your display to your computer*

Turn off the display and computer before connecting. Do not touch the pins of the video signal cable connector as this might bend the pins.

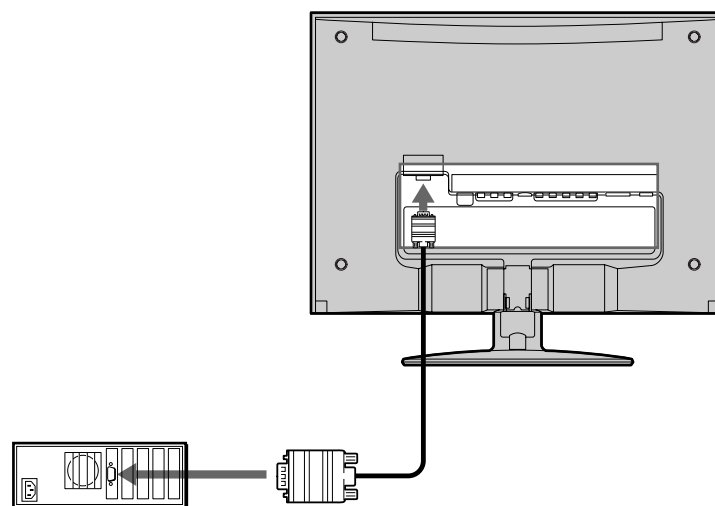


- 1 Remove the back panel by holding top with one hand as in the illustration then snap out the buttons located at each corner.
- 2 Remove the cable cover by lightly pulling top concave portion.

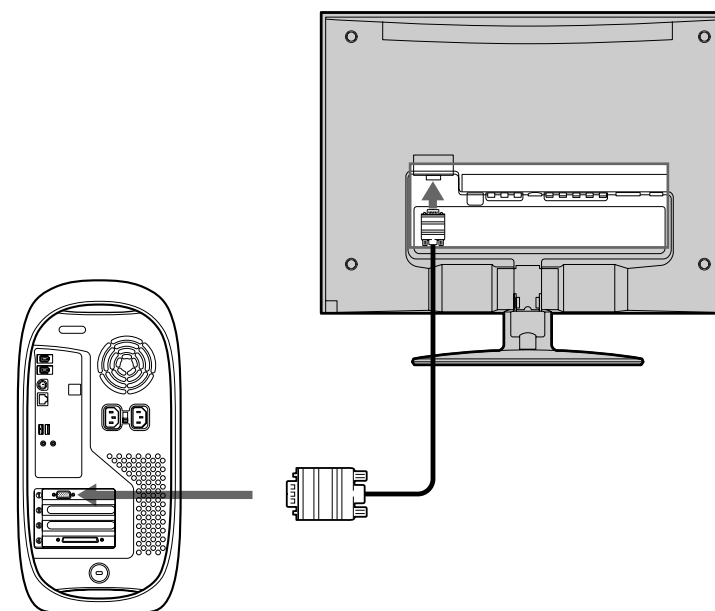
■ Connecting to an IBM PC/AT or compatible computer

Using the HD15/D-sub cable (supplied), connect the computer to the display's HD15 input connector.

Connecting to an IBM PC/AT



Connecting a Macintosh

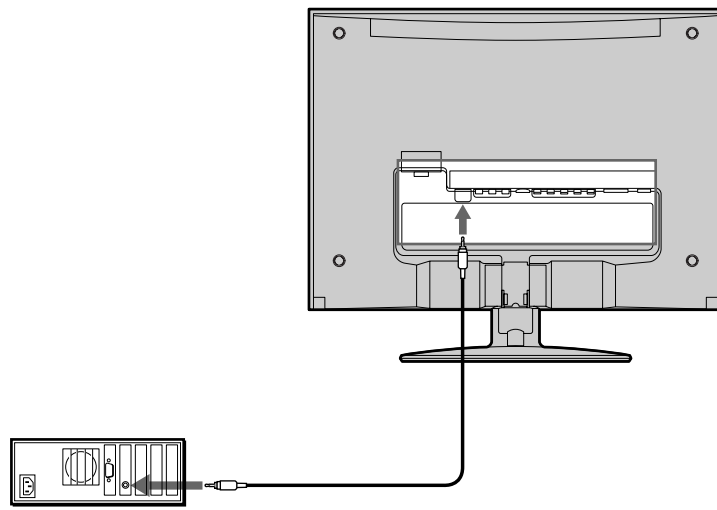


Be sure to check the alignment of the HD15/D-sub cable. Do not force the connector in the wrong way or the pins might bend.

■ Connecting a Macintosh

When connecting a Macintosh computer, use an adapter (not supplied) if necessary. Connect the adapter to the computer before connecting the video signal cable.

Setup 3 *Connecting the audio cord*



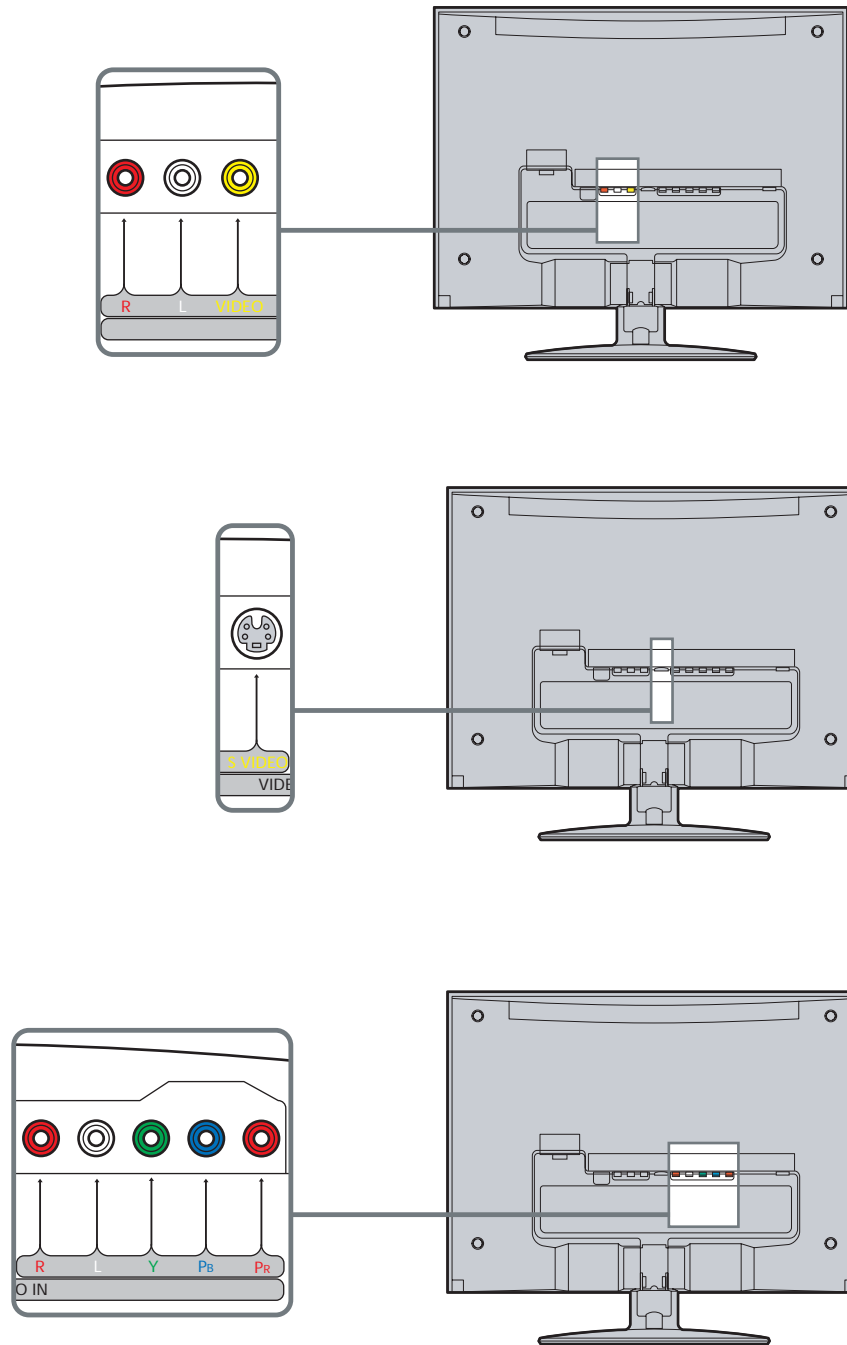
Connect the supplied audio cord to the display's PC audio input jack. The audio cord connector and the audio input jack are color coded. Match like colors to connect.

Using the display's speakers or headphones, you can listen to sound from your computer or other audio equipment connected to the display's audio input jacks.

For more information, see "Controlling the volume" on page 33.

Setup 4 *Connecting video cables*

You can connect composite video cables, S-Video cable, and also Y/Pb/Pr Component Video cables for your video needs.



■ Connecting with composite video cables

Composite video sends combined signal of color shade (chrominance) and brightness (luminance) through a single cable. For this connection use the traditional A/V cable. (Combined audio L/R and video cable)

■ Connecting with S-Video cables

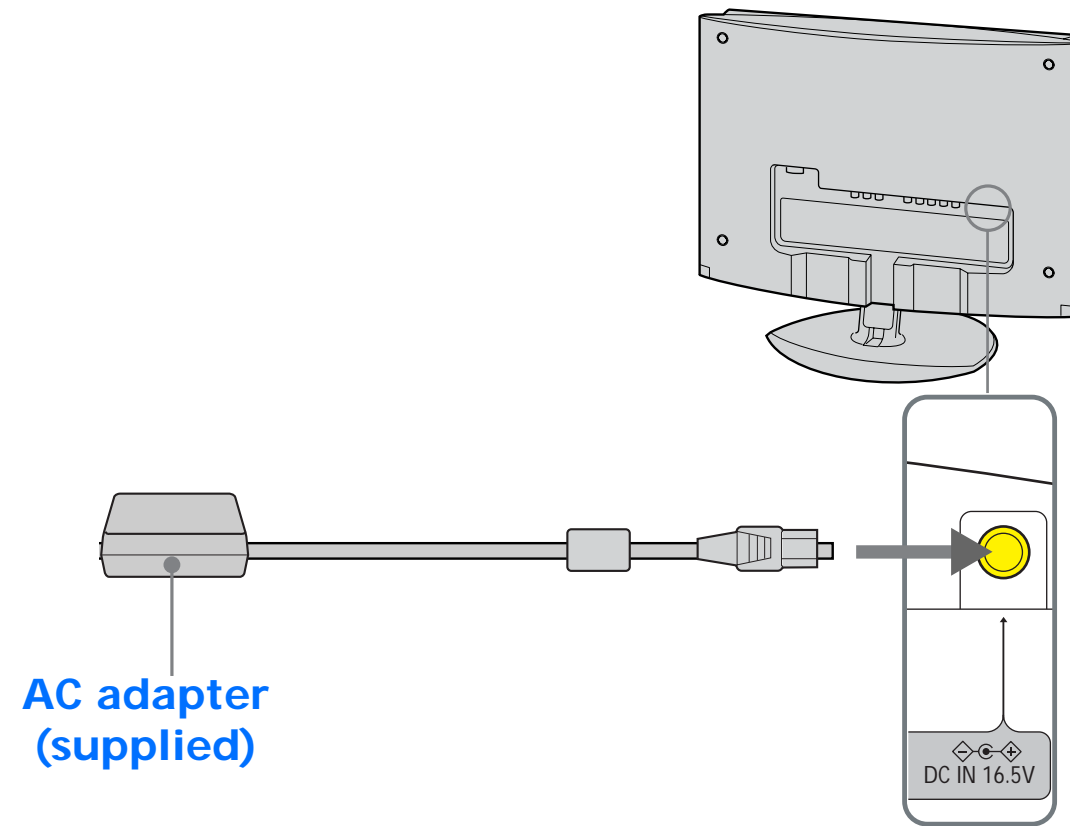
If your equipment has an S-Video output, use this connection for better picture quality than the composite video connection. You will need to connect audio cables (audio L/R) for the sound (S-Video carries only the video signal).

■ Connecting with Y/Pb/Pr Component Video cables

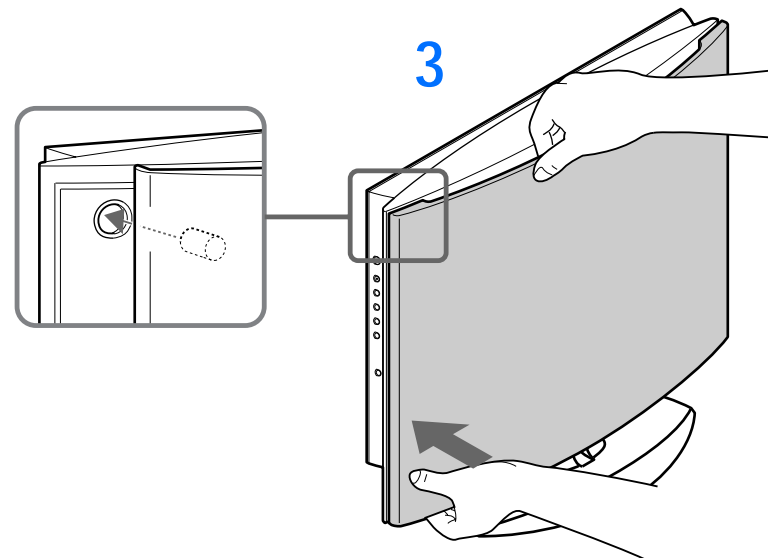
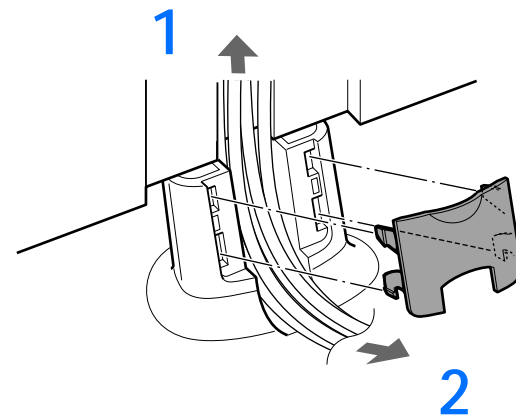
If your equipment has a Y/Pb/Pr Component Video output, use this connection for the highest quality color picture. Y/Pb/Pr Component Video sends signals of two color shades (chrominance) and brightness (luminance) separately. Y/Pb/Pr Component Video cables are usually marked with Y, Pb and Pr. In addition to the Y/Pb/Pr Component Video, you will also need to connect an audio L/R cable for sound.

Setup 5 *Connecting the AC adapter*

Connect the AC adapter (supplied) to the display.

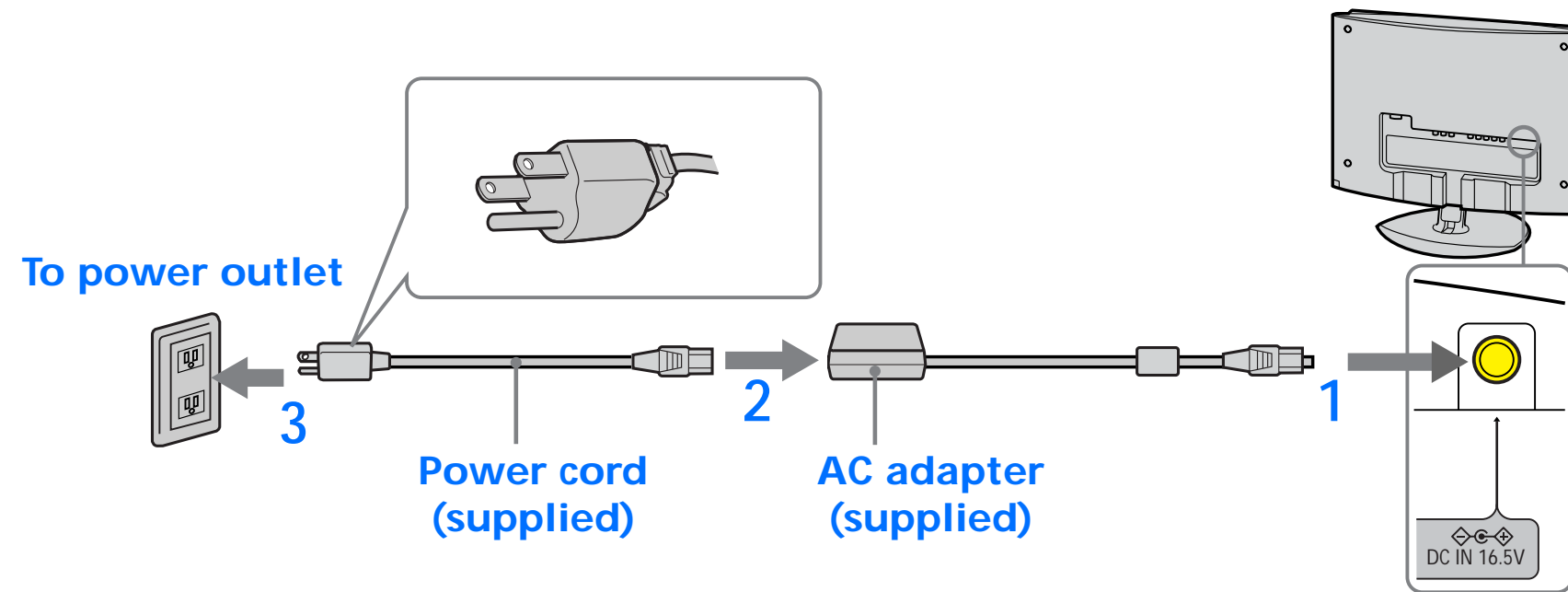


Setup 6 *Organizing the cables and replacing the back panel*



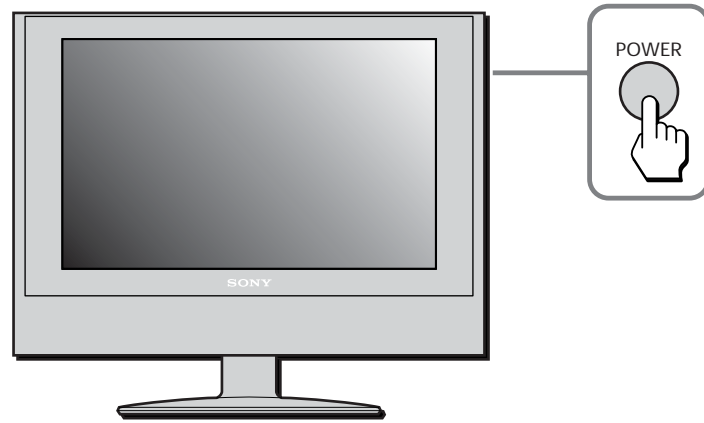
- 1 Bundle the cables and cords; then route through the base stand.
- 2 Replace the cable cover by aligning the cylindrical pegs to the holes, then press.
- 3 Hold the back panel with one hand and press the panel at the corners.

Setup 7 *Connecting the power cord*



- 1 First, connect the AC adapter to the display as shown in Setup 5 (see page 13).
- 2 Connect the power cord to the AC adapter (supplied).
- 3 Connect the power cord to the nearest power outlet.

Setup 8 *Turning on the display, computer, or other equipment*



- 1 Press the POWER button on the right side of the display.


The power LED indicator lights up in green.


- 2 Turn on the computer or your video source equipment.

Press the INPUT button on the right side of the display repeatedly to select the desired input signal. Or with your remote card select and press the desired input signal.

Pressing the POWER button on the remote card while the power LED indicator is green will turn the power LED to red. A red power LED indicates the display is in remote off.

For more information, see INPUT button on page 5 and Remote card on page 18.

 The remote card POWER button will only turn your display on from remote off mode, indicated by red power LED indicator. When the display is in power OFF mode, indicated by unlit power LED, the POWER button on the right side of the display must be used to power ON, indicated by green power LED indicator.

 **The POWER button on the side of the display must initially be pressed (to have unlit LED turned on) to operate with the remote card.**

The display complies with the "DDC" Plug & Play standard and automatically detects all the display's information. No specific driver needs to be installed to the computer to operate.

The first time you turn on your computer after connecting the display, the setup Wizard may appear on the screen. In this case, follow the on-screen instructions. The Plug & Play display is automatically selected so that you can use this display.

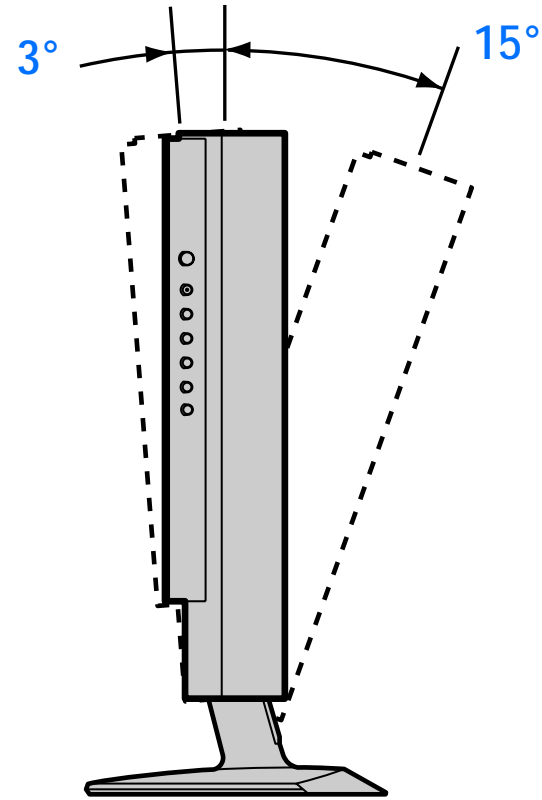
Note: Not all video graphic cards will support 1280 x 768 wide aspect resolution. Use with some devices may require updated drivers. Please consult your video graphic manufacturer for updated drivers.

If no picture appears on your screen

See Trouble symptoms and remedies on pages 34-38.

Setup 9 *Adjusting the tilt*

The display will tilt 3 degrees forward and 15 degrees backward.



To use the display comfortably

Adjust the viewing angle of your display according to the height of your desk and chair, and so that light is not reflected from the screen to your eyes.

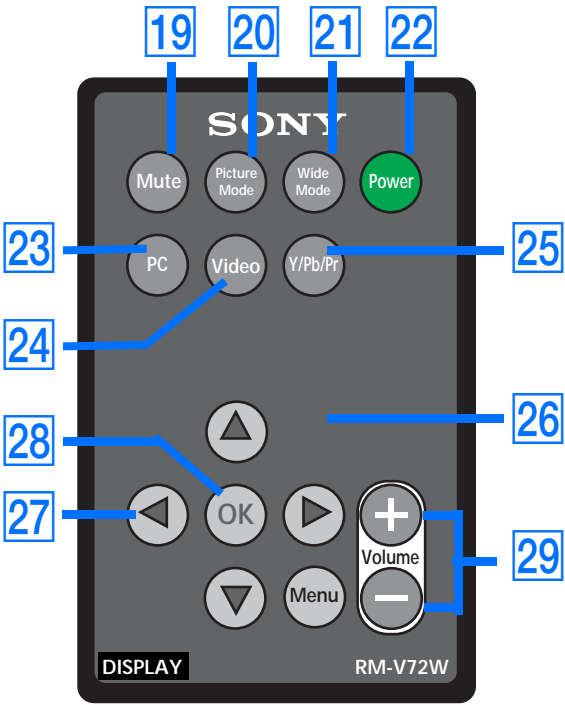



When adjusting the screen tilt, proceed slowly and carefully, being sure not to hit the display against the desk or the base of the display stand.

Grasp the lower middle part of the LCD panel while holding the display stand, then tilt the LCD panel adequately backward.

Using the Remote Card

Here is a closer look at the remote card.



 The remote card **POWER** button will only turn your display on from remote off mode, indicated by red power LED indicator. When the display is in power OFF mode, indicated by unlit power LED, the **POWER** button on the right side of the display must be used to power ON, indicated by green power LED indicator.





- 19 Press to mute the sound.
- 20 Press the PICTURE MODE button to select one of the following Picture Modes for video and Y/Pb/Pr component video:
- Vivid
 - Standard
 - Movie
 - Game
 - Pro
- 21 Press the WIDE MODE button to switch between different screen size modes:

PC menu	<ul style="list-style-type: none">■ Normal■ Full
Video menu	<ul style="list-style-type: none">■ Wide Zoom■ Zoom■ Letterbox■ Full■ Normal

- 22 Press the POWER button to turn on your display from remote off mode or to switch to remote off. See Note.

- 23 Press the PC button to receive PC input signal.
- 24 Press the VIDEO button to receive composite or S-Video signal.
- 25 Press the Y/Pb/Pr button to receive Y/Pb/Pr component A/V signal.
- 26 Press the MENU button to display the main menu of each input:

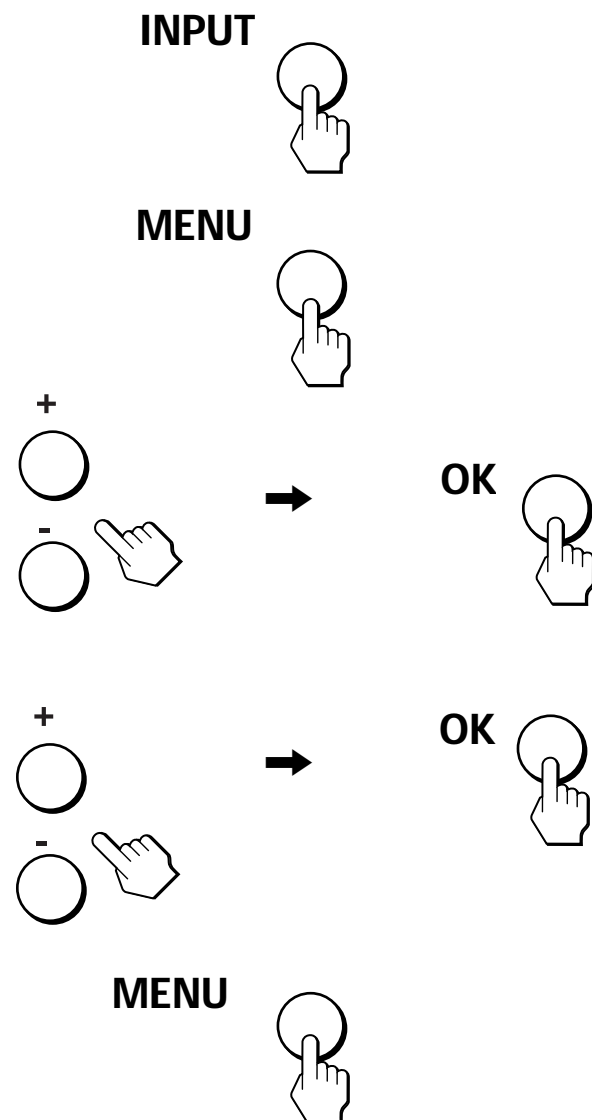
PC main menu displays	<ul style="list-style-type: none">■ PICTURE CONTROL■ AUDIO CONTROL■ SCREEN CONTROL■ SETUP
Video (or S-Video) main menu displays	<ul style="list-style-type: none">■ PICTURE CONTROL■ AUDIO CONTROL■ SCREEN CONTROL■ SETUP

- 27 Press the     buttons for Menu navigation.
- 28 Press the OK button to confirm your selection.
- 29 Press the Volume +/- buttons to adjust the audio volume for all inputs.

Customizing Your Display

You can make numerous adjustments to your display using the on-screen menu. You can select your menu and adjustments using the buttons on the side of the display or by using your remote card.

Navigating through PC menus



1 Select the PC input.

Press the INPUT button on the right side of the display until you find the PC input you want to select and press the OK button or press the PC button on your remote card.

2 Display the main menu.

Press the MENU button to display the main menu on your screen and then press the OK button.

3 Select the menu you want to adjust.

Press the +/- buttons to display the desired menu. Press the OK button to select the menu item.

4 Adjust the menu.

Press the +/- buttons to make the adjustment, and then press the OK button. When you press the OK button, the setting is stored, then the display returns to the previous menu.

5 Close the menu.

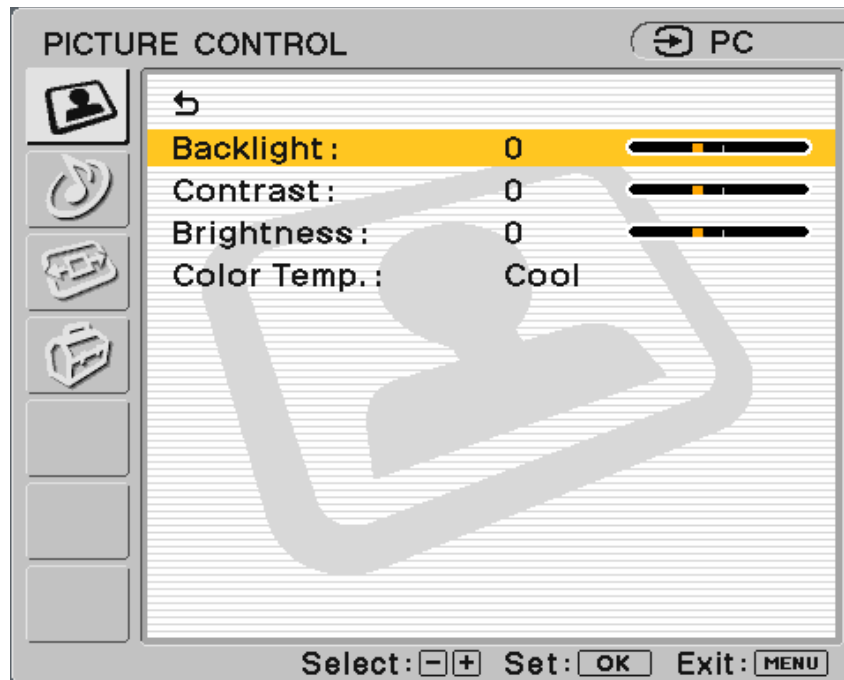
Press the MENU button once to return to normal viewing. If no buttons are pressed, the menu closes automatically after about 45 seconds.

Before making adjustments

Connect the display and the computer, and turn them on. Wait for at least 30 minutes before making adjustments for the best results.



PC PICTURE CONTROL options



↶ Will take you back to the previous menu.

Backlight: Adjust to the desired level of light to make the screen easier to see.

Contrast: Adjust to increase contrast and deepen the color, or decrease picture contrast and soften the color.

Brightness: Adjust to brighten or darken the picture.

Color Temp. (Color Temperature): The default setting gives out the most white. If the color temperature is low, the screen will appear warm and reddish; if the color temperature is high, the screen will appear cool and bluish.

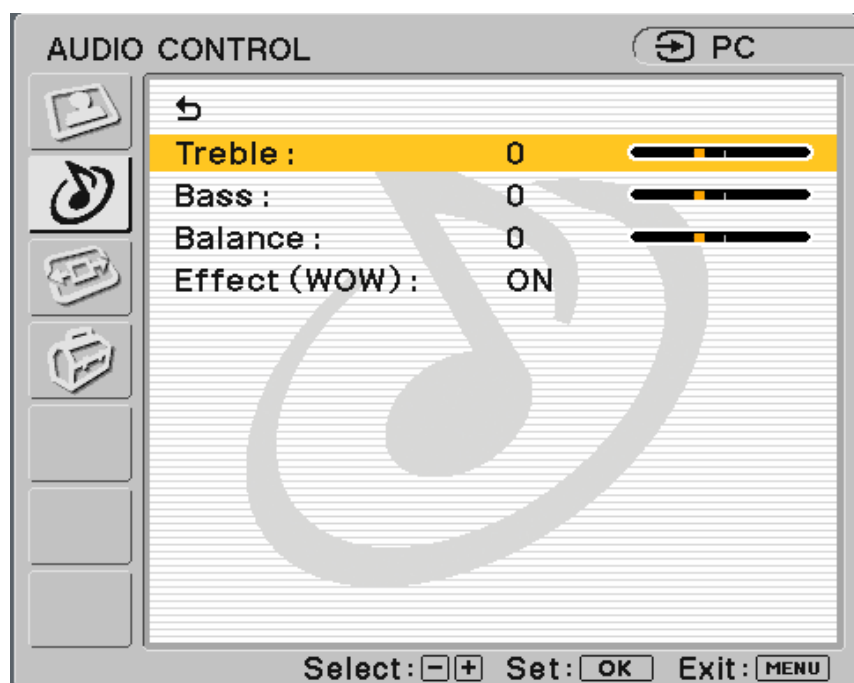
You can select the picture's color level of the white color field from the default color temperature settings. Also you can fine-tune the color temperature you desire.

- **Cool:** Select to raise the color temperature and give white colors a blue tint.
- **Neutral:** Select to give white colors a neutral tint.
- **Warm:** Select to lower the color temperature and give white colors a red tint.

- **User Adjustment:** Select to manually set the color temperature between Cool and Warm. A sliding scale is displayed from 0 to 100 with Neutral at 50. Adjustments to this setting will affect all PC signals.



PC **AUDIO CONTROL** options



↶ Will take you back to the previous menu.

Treble: Adjust to decrease or increase higher-pitched sounds.

Bass: Adjust to decrease or increase lower-pitched sounds.

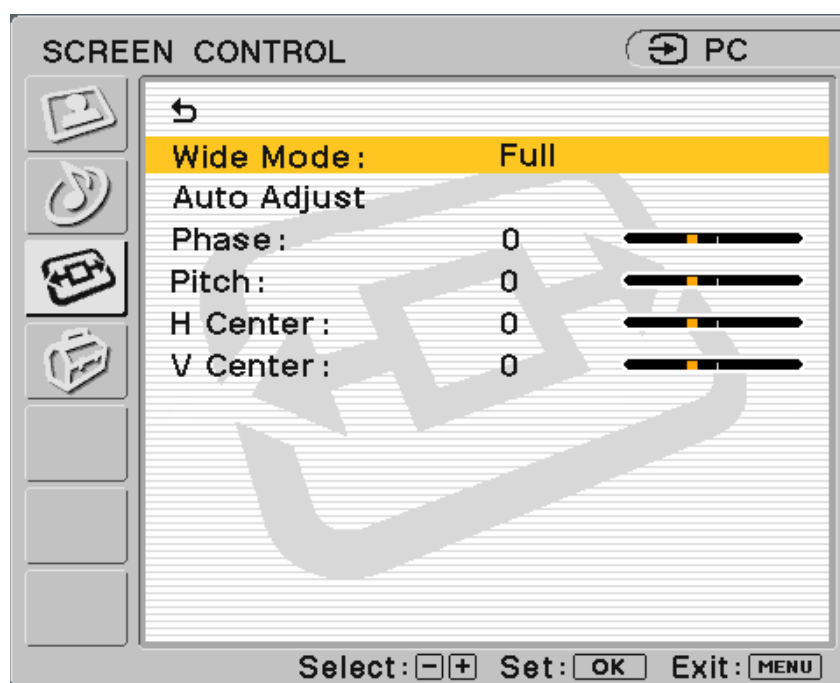
Balance: Adjust to emphasize left or right speaker balance.

Effect (WOW): Select one of the following options.

- **On:** Select to activate SRS WOW™ audio. Sound is enriched by processing "spatial cues" which gives audio a fuller, wider, and more dynamic performance.
- **Off:** Select for normal stereo, mono reception or non-Internet audio.



PC SCREEN CONTROL options

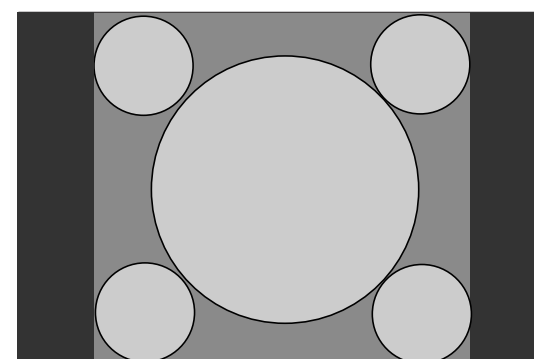


↶ Will take you back to the previous menu.

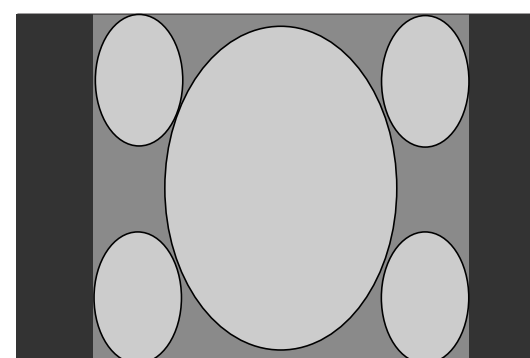
Wide Mode: This option comes with choice of selecting the image appearance on your screen:

- **Normal:** Select to view the images as signals are received.

The following illustrates how images are viewed on your wide screen display.



Ordinary 4:3 signals viewed on your wide screen display



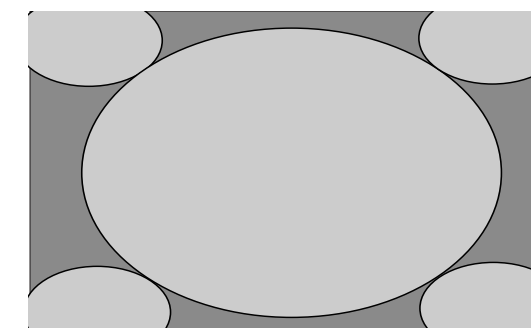
16:9 signals viewed on your wide screen display

- **Full:** Select to view the images fit to the screen size.

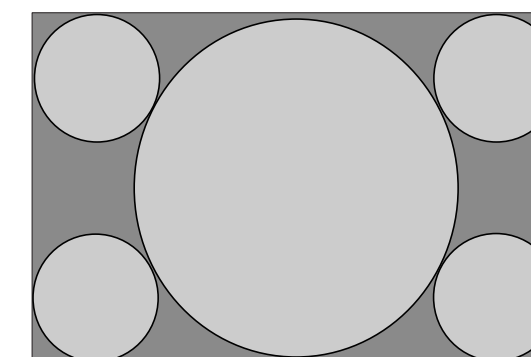


Some distortion or stretching of 4:3 ratio screen images may occur when Full mode is used.

The following illustrates how images are fit to the screen by selecting this option.



4:3 signals viewed to fit on the wide screen display

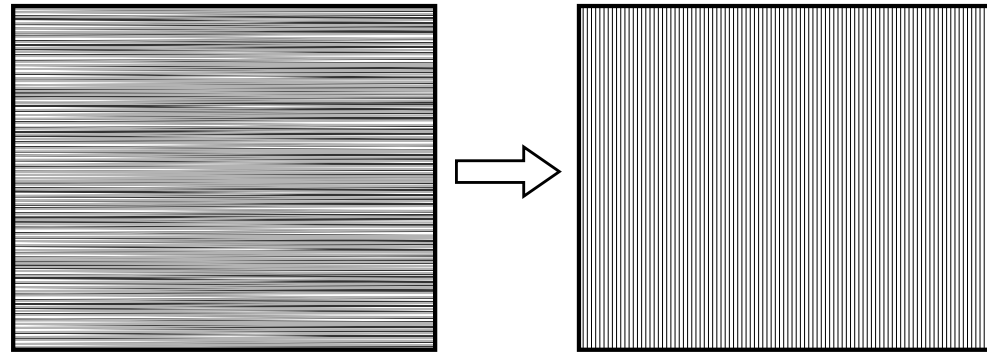


Signals originally received as 16:9 wide screen display

PC SCREEN CONTROL options - Cont.

Auto Adjust: Select OK for the auto adjustment of picture quality. When the display receives an input signal, it automatically detects and it adjusts the picture's position and deformity (phase/ pitch) and ensures that a clear picture appears on the screen. After the automatic adjustment the cursor returns to the Auto Adjustment PC Screen Control option.

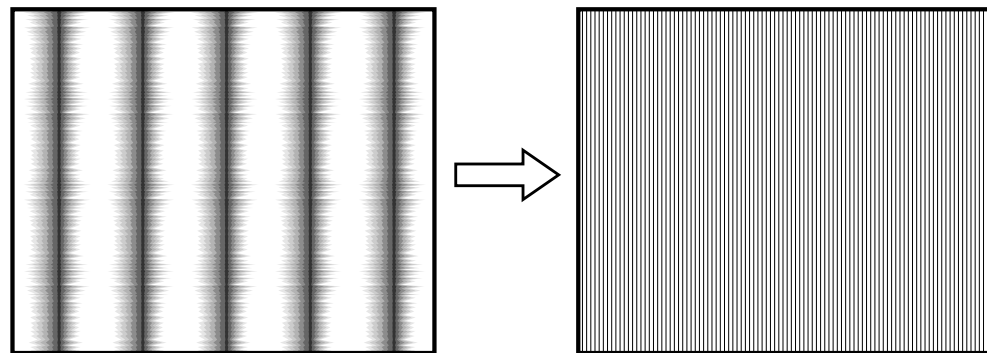
Phase: Select to adjust the quality of the picture image. Adjust until video noise (horizontal stripes) is eliminated so that the horizontal stripes are at a minimum and a clear picture is achieved.



H Center: Select to adjust the horizontal centering of the picture so the image on the screen will be centered between the left and the right sides of the frame.

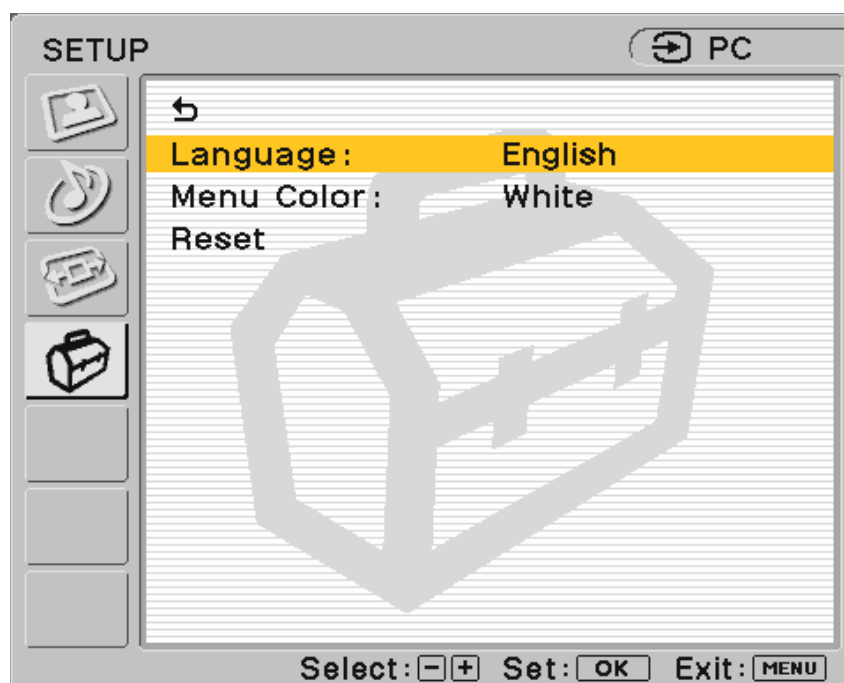
V Center: Select to adjust the vertical centering of the picture so the image on the screen will be centered between the top and the bottom of the frame.

Pitch: Select to adjust the quality of the picture image when vertical stripes are observed. Adjust until sampling (vertical stripes) is shown at an even width across the screen.





PC **SETUP** options

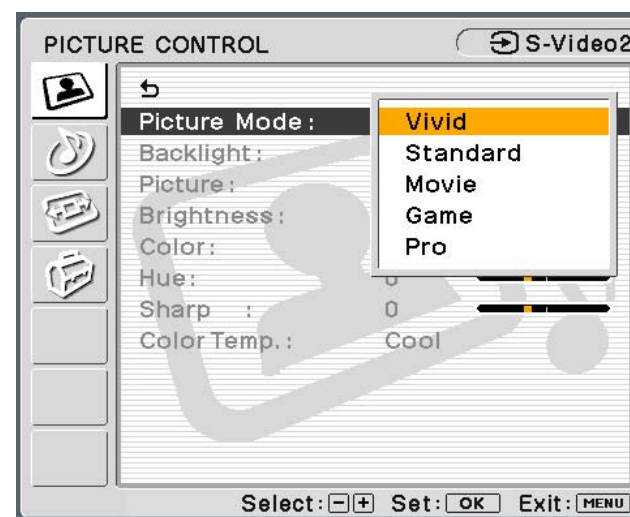


↶ Will take you back to the previous menu.

Language: Select to change the on-screen language to display in English, French, or Spanish. Factory setting is English.

Menu Color: Select to change the menu color to meet with your viewing environment.

White menu color



Black menu color

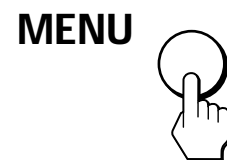
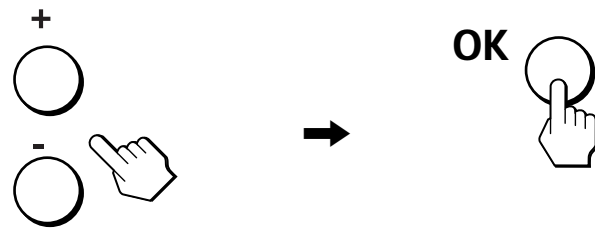
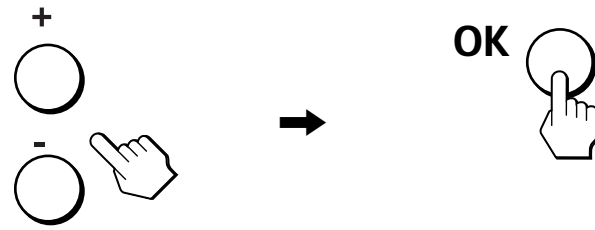
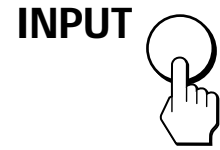


Reset: Enables adjustments to be reset to factory defaults.

■ **OK:** Select to reset all of the adjustment data to the factory setting.

■ **Cancel:** Select to cancel resetting and return to the menu screen.

Navigating through Video menus



1 Select the video or component input

If you have connected the video with an S-Video cable, your display will display S-Video rather than Composite Video.

Press the video input of your choice and press the OK button.

2 Display the main menu.

Press the MENU button to display the main menu on your screen and then press the OK button.

3 Select the menu you want to adjust.

Press the +/- buttons to display the desired menu. Press the OK button to select the menu item.

4 Adjust the menu.

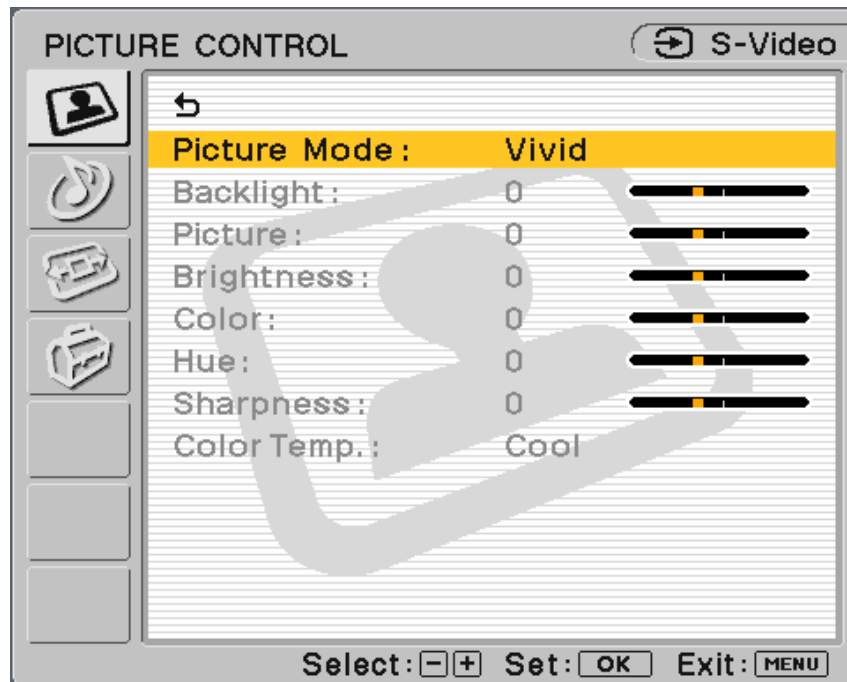
Press the +/- buttons to make the adjustment, and then press the OK button. When you press the OK button, the setting is stored, then the display returns to the previous menu.

5 Close the menu.

Press the MENU button once to return to normal viewing. If no buttons are pressed, the menu closes automatically after about 45 seconds.



PICTURE CONTROL options (for Video, S-Video, or Component)



↶ Will take you back to the previous menu.

Picture Mode: Select one of the following modes to suit your video needs.

- **Vivid:** Select for enhanced picture contrast and sharpness.
- **Standard:** Select for standard picture settings.
- **Movie:** Select to display a softer picture.
- **Game:** Select to play video games.
- **Pro:** Select to set your personal setting. It allows you to manually adjust the picture.

Backlight: Adjust to the desired level of light to make the screen easier to see.

Picture: Adjust to increase picture contrast and deepen the color, or decrease picture contrast and soften the color.

Brightness: Adjust to brighten or darken the picture.

Color: Adjust to increase or decrease color intensity.

Hue: Adjust to increase or decrease the green tone.

Sharpness: Adjust to sharpen or soften the picture.

Color Temp (Color Temperature): The default setting gives out the most white. If the color temperature is low, the screen will appear warm and reddish; if the color temperature is high, the screen will appear cool and bluish.

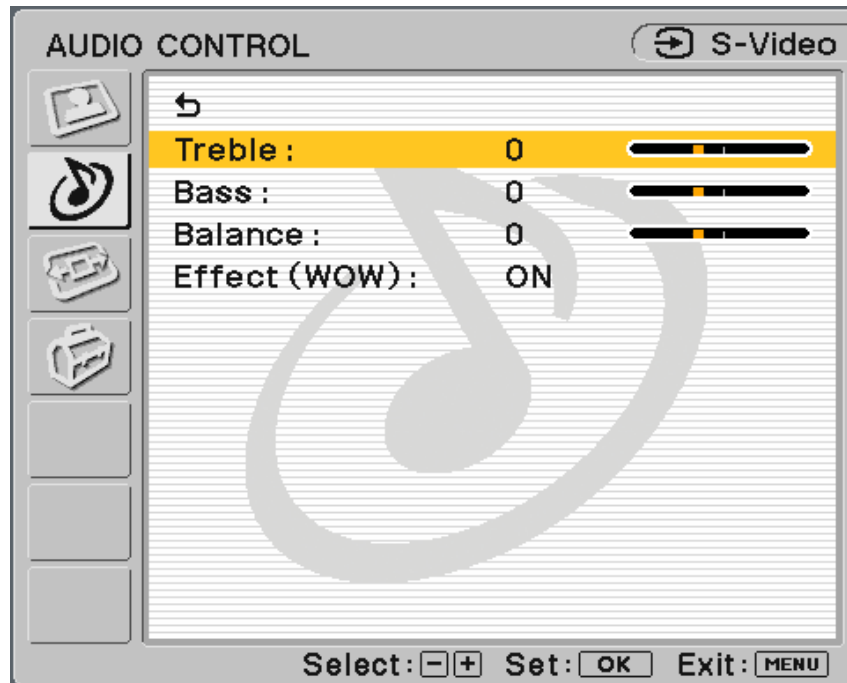
You can select the picture's color level of the white color field from the default color temperature settings. Also you can fine-tune the color temperature you desire.

- **Cool:** Select to raise the color temperature and give white colors a blue tint.
- **Neutral:** Select to give white colors a neutral tint.
- **Warm:** Select to lower the color temperature and give white colors a red tint.



AUDIO CONTROL options (for Video, S-Video, or Component)

You can enjoy the quality sound for your video viewing as in the PC mode.



↶ Will take you back to the previous menu.

Treble: Adjust to decrease or increase higher-pitched sounds.

Bass: Adjust to decrease or increase lower-pitched sounds.

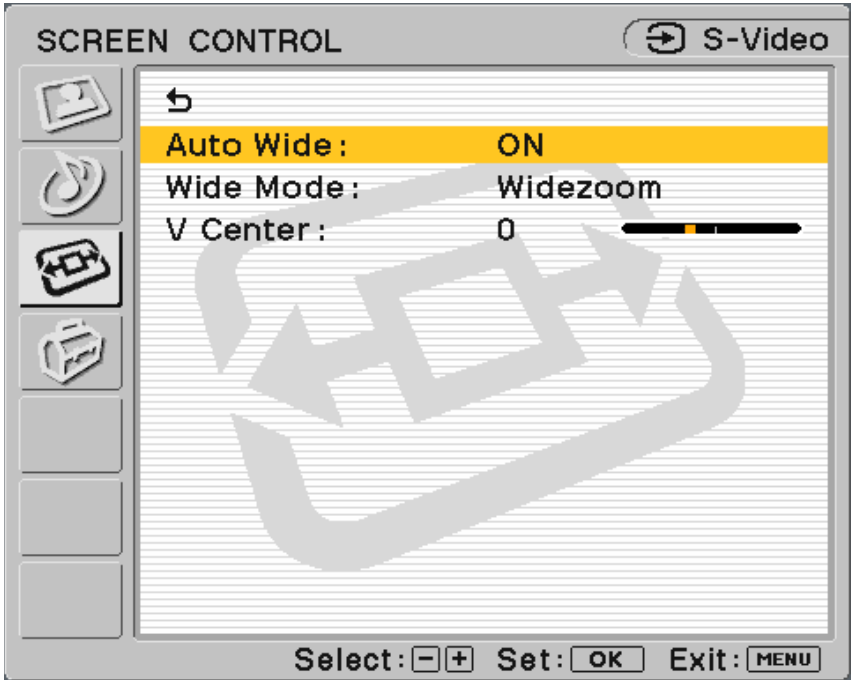
Balance: Adjust to emphasize left or right speaker balance.

Effect (WOW): Select one of the following options.

- **On:** Select to activate SRS WOW™ audio. Sound is enriched by processing "spatial cues" which gives audio a fuller, wider, and more dynamic performance.
- **Off:** Select for normal stereo, mono reception or non-Internet audio.



SCREEN CONTROL options (for Video, S-Video, or Component)



↶ Will take you back to the previous menu.

Auto Wide: Select one of the following options to automatically adjust picture format.

- **On:** Select to automatically switch the different viewing modes of Wide Zoom, Zoom, Letterbox, Full, and Normal (described on page 29) when an appropriate signal is received.



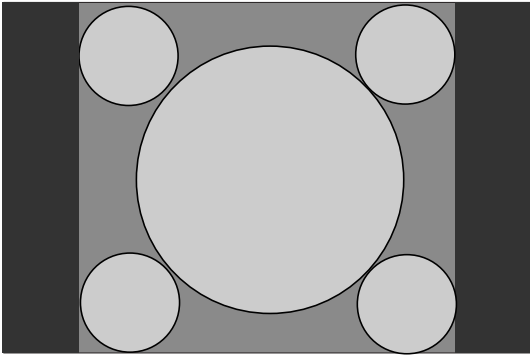
Auto Wide will effectively work when the signal received has the detective input signs. If the detective input sign is not detected, it switches to the factory default setting or viewing mode selected by the user from Wide Mode selections.

- **Off:** Select to make picture-viewing format adjustments manually.

Wide Mode: Select one of the following modes for optimal video viewing Wide Mode.

- **Wide zoom:** Select to view the 4:3 signals fit to the wide screen.

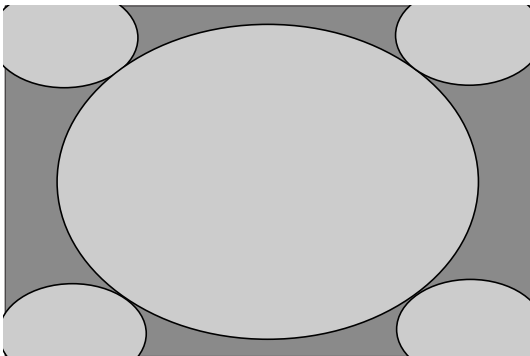
Original Picture



- Normal 4:3 aspect ratio picture
- DTV 4:3 aspect ratio picture



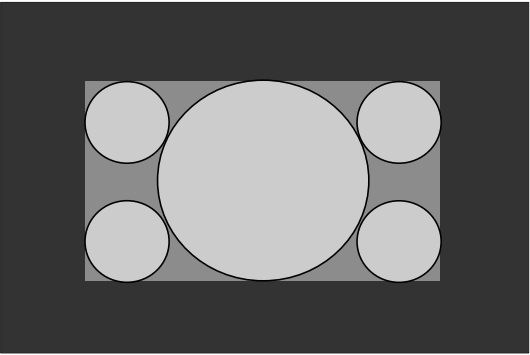
Wide Zoom Mode



"Wide Zoom" enlarges the 4:3 picture to fill the 16:9 screen, keeping the original image as much as possible. Slight distortion or stretching of 4:3 signal images occur.

- **Zoom:** Select to view wide screen creation programs.

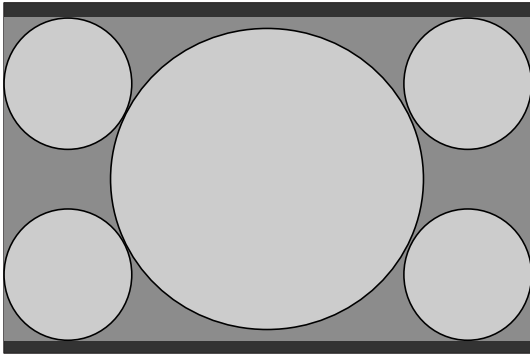
Original Picture



- Letterbox movie of a videotape or a DVD disk



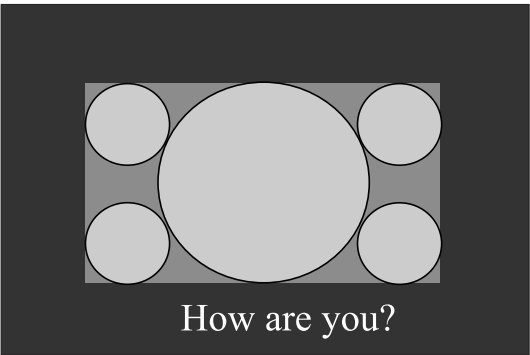
Zoom Mode



"Zoom" enlarges the 4:3 picture horizontally and vertically to an equal aspect ratio that fills the 16:9 screen. The image is expanded proportionally to fill the screen horizontally while leaving some black band at the top and bottom. Useful for watching letterbox movies.

- **Letterbox:** Select to view movies with subtitles.

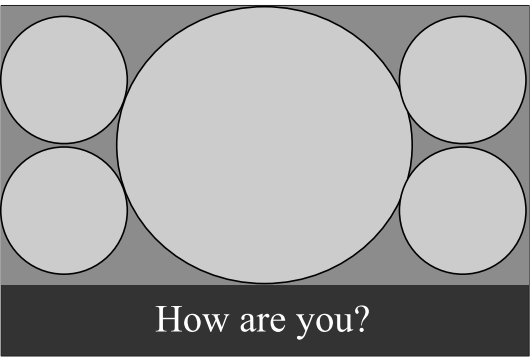
Original Picture



- Letterbox movies with subtitles outside the picture (2.35:1 aspect ratio)



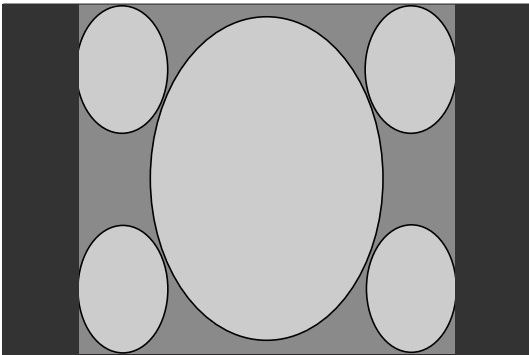
Letterbox Mode



"Letterbox" enlarges the picture horizontally and vertically to an equal aspect ratio that fills the screen, while the subtitle area is compressed to fit the screen.

■ **Full:** Same effect is obtained as in the PC Wide mode.

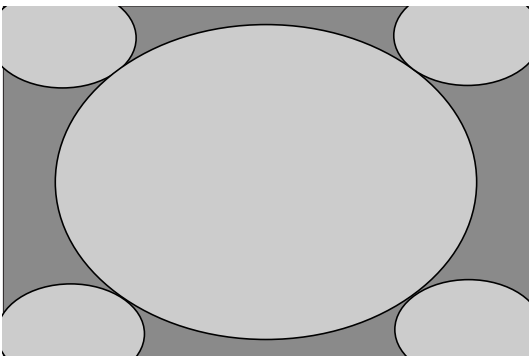
Original Picture



- 4:3 squeezed video camera or DVD picture
- DTV 16:9 aspect ratio picture

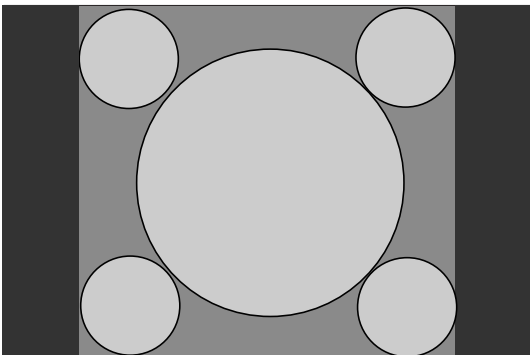


Full Mode

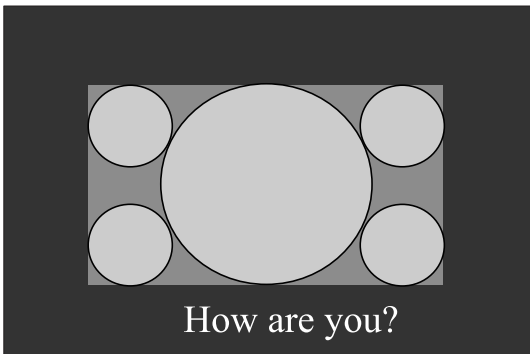


"Full" stretches the 4:3 picture horizontally only, to fill the 16:9 screen.

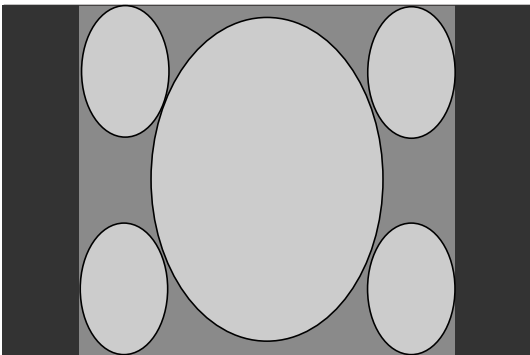
■ **Normal:** Select to view the images as signals are received.



Ordinary 4:3 signals in normal viewing



Any movies designed for aspect ratio of 16:9 or movies with subtitles and also signals from DVD and video cameras

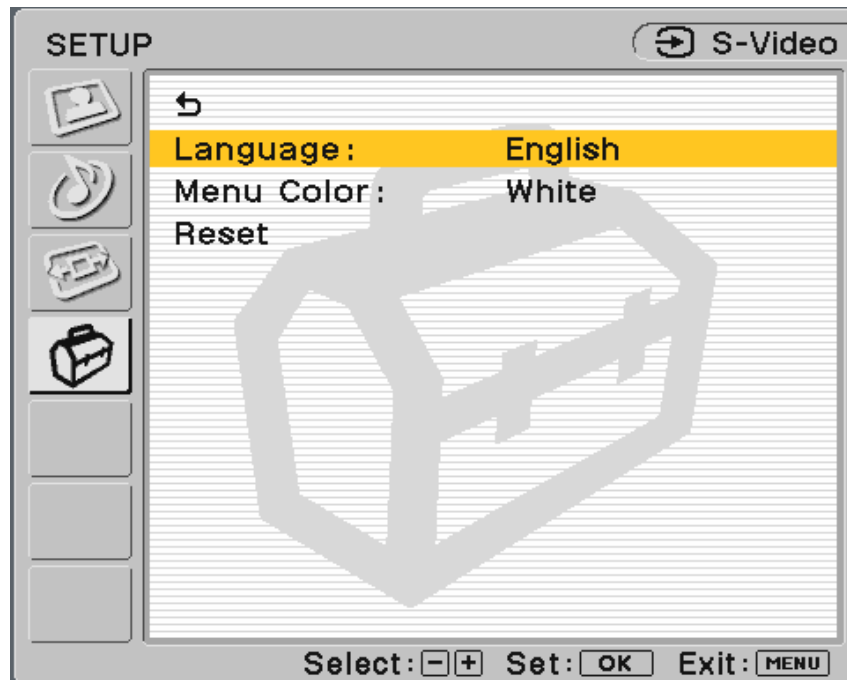


Some DVD titles and images from video cameras in normal viewing

V Center: Select to adjust the vertical centering of the picture so that the image on the screen will be centered between the top and the bottom of the frame.



SETUP options (for Video, S-Video or Component)

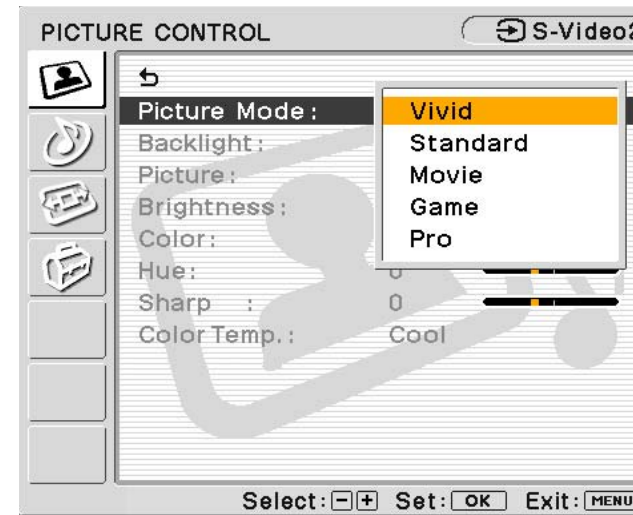


↶ Will take you back to the previous menu.

Language: Select to change the on-screen language to display in English, French, or Spanish. Factory setting is English.

Menu Color: Select to change the menu color to meet with your viewing environment.

White menu color



Black menu color



Reset: Enables adjustments to be reset to factory defaults.

■ **OK:** Select to reset all of the adjustment data to the factory setting.

■ **Cancel:** Select to cancel resetting and return to the menu screen.

Technical Features

Power save function

This display meets the Power Save guidelines set by VESA, ENERGY STAR, and NUTEK. If the display is connected to a computer or video graphics board that is DPMS (Display Power Management Signaling) compliant, the display will automatically reduce power consumption as shown.

Power Mode	Power Consumption	Power indicator
Normal Operation	49 W (max.)	Green
Active Off *	3 W (max.) < 2 W (typ.)	Amber
Remote Off	3 W (max.) < 2 W (typ.)	Red
Power Off	3 W (max.) < 1 W (typ.)	Off

* When your computer enters "Active Off" Power Mode, the picture disappears from the screen and "No Input Signal" appears. After 5 seconds, the display enters power save mode.

Preset and user modes

When the display receives an input signal, it automatically matches the signal to one of the factory preset modes stored in the display's memory to provide a high quality picture at the center of the screen. (See appendix on pages 41 and 42 for a list of the factory preset modes.)

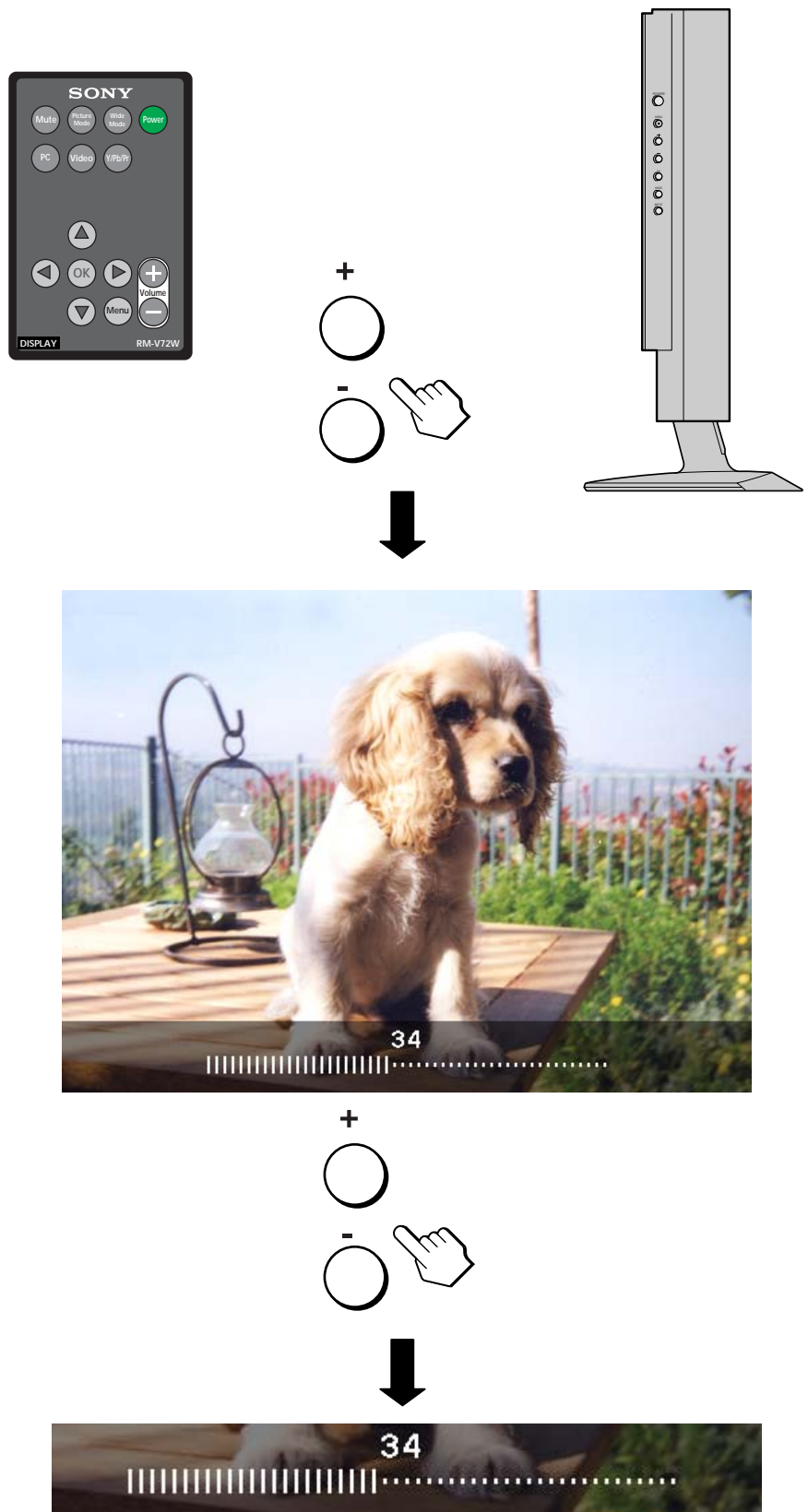
For input signals that do not match one of the factory preset modes, the automatic picture quality adjustment function of this display automatically adjusts the picture position, phase, and pitch to ensure that a clear picture appears on the screen for any timing within the display's clock speed range.

Horizontal frequency	28 - 70 kHz
Vertical frequency	45 - 85 Hz
Resolution	1280 x 768/60 Hz or less
Pixel clock	94.5 MHz max.

Consequently, the first time the display receives input signals that do not match one of the factory preset modes, the display may take a longer time than normal to display the picture on the screen. This adjustment data is automatically stored in memory so that next time, the display will function in the same way as when the display receives the signals that match one of the factory preset modes.

In all modes mentioned previously, if the picture is adjusted, the adjustment data is stored as a user mode and automatically recalled whenever the same input signal is received.

Controlling the volume



Using the display's speakers or headphones, you can listen to sound from your computer or other audio equipment connected to the display's audio input jacks.

You can control the volume by using + /- buttons located at the right side of the display or on the remote card. When either button is pressed volume status will appear on your display screen.

- 1 Press the +/- buttons to display volume status.
- 2 Press the +/- buttons to control the volume.

The volume status will automatically disappear after about 3 seconds.

Use the MUTE button to mute the sound. Press MUTE again or + Volume button on the remote card to restore the sound.

Using the headphones

By connecting your headphones to the display's headphone jack, you can listen to sound from your computer or other audio equipment connected to the display's audio input jacks.

Be sure to remove the headphones before moving away from the display. If the headphone cord is pulled away from the display abruptly, injury or damage may occur.



While displaying the main menu on the screen, use the +/- Volume buttons on the remote card to adjust the volume. The +/- Volume buttons on the side of the display become selection buttons when the main menu is displayed.

When your display is in power save mode (in PC mode), no sound comes from the speakers or the headphones.

Troubleshooting

Before contacting technical support, refer to this section.

PC on-screen messages

If there is something wrong with the PC input signal, one of the following messages appears on the screen. See pages 35 to 38 for possible remedies.

Trouble symptoms and remedies

If a problem occurs as a result of a connected computer or other equipment, refer to the connected computer/ equipment's instruction manual.

Use the self-diagnosis function (page 39) if these recommendations do not resolve the problem.

If "Not Supported Signal" appears

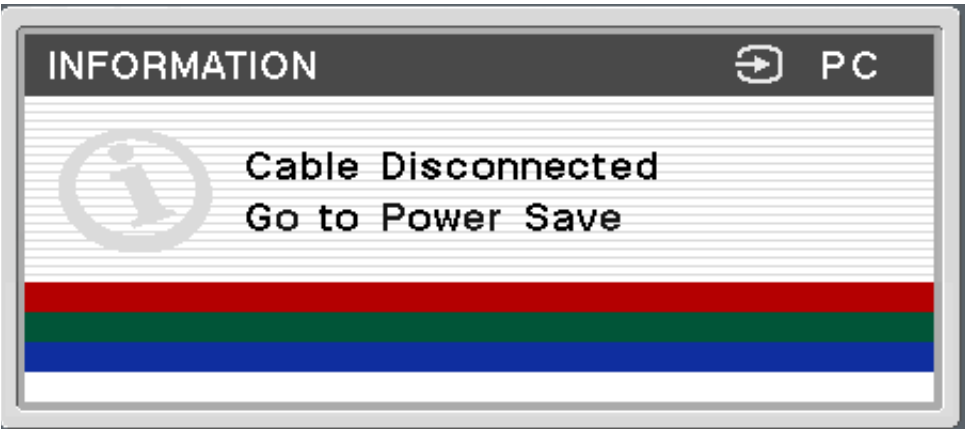
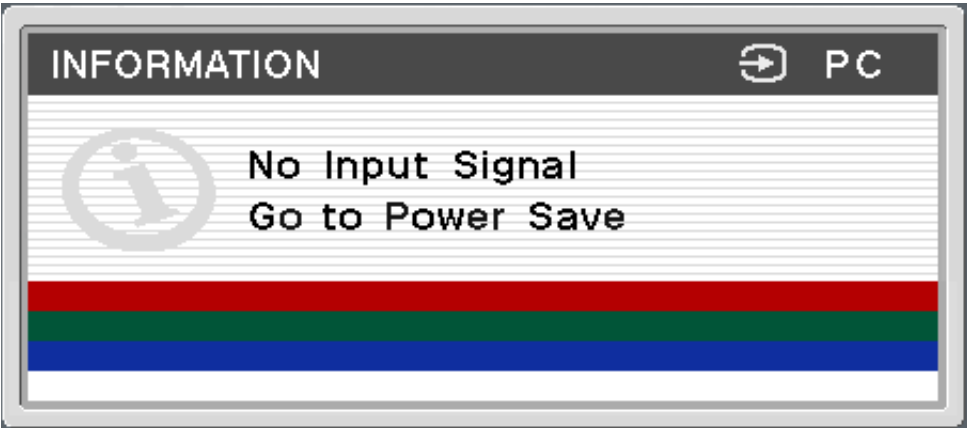
This indicates that the input signal is not supported by the display's specification. Set the resolution and refresh rate of the computer's graphics board as indicated in the message. Also check to see cables are connected to the appropriate input connectors.

If "No Input Signal" appears

This indicates that no signal is being input via the connected computer. Check to see if a cable is connected to this input signal. Also check if the computer is in Power Save mode by pressing any key on the keyboard or by moving the mouse. The "No Input Signal" message will disappear after 5 seconds and enter Power Save mode.

If "Cable Disconnected" appears

This indicates that the cable has been disconnected from the connector. Check to see cables are securely connected to the appropriate connector. The "Cable Disconnected" message will disappear after 5 seconds and enter Power Save mode.



Symptom	Check these items
No picture	
If the Power LED indicator is not lit, or if the Power LED indicator will not light up when the Power button is pressed	<ul style="list-style-type: none"> ■ Check that the power cord and AC adapter are properly connected. ■ Press the display power button once.
The Power LED indicator turns on red	<ul style="list-style-type: none"> ■ The display is in remote off mode. Try pressing the power button of the display twice or remote card once.
If the Power LED indicator is green, or flashing amber	<ul style="list-style-type: none"> ■ Use the self-diagnosis function (page 39).
If “Cable Disconnected” appears on the screen	<ul style="list-style-type: none"> ■ Check that the video signal cable is properly connected and all plugs are firmly seated in their sockets (pages 6, 10, and 12). ■ Check that the video input connector’s pins are not bent or pushed in. ■ Check that the input select setting is correct (pages 5, 6, and 12). ■ A non-supplied video signal cable is connected. If you connect a non-supplied video signal cable, “Cable Disconnected” may appear on the screen before entering the power save mode. This is not a malfunction.
If “No Input Signal” appears on the screen, or the Power LED indicator is either amber or alternating between green and amber	<ul style="list-style-type: none"> ■ Check that the video signal cable is properly connected and all plugs are firmly seated in their sockets (pages 6, 10, and 12). ■ Check that the video input connector’s pins are not bent or pushed in. ■ Check that the input select setting is correct (pages 5, 6, and 12).
Problem caused by a connected computer or other equipment, and not caused by the display	<ul style="list-style-type: none"> ■ The computer is in power saving mode. Try pressing any key on the keyboard or moving the mouse. ■ Check that your graphics board is attached to the computer properly. ■ Check that the computer or other equipment are powered “on.”

Symptom	Check these items
<p>If “ Not Supported Signal” appears on the screen (page 34)</p> <p>Problem caused by a connected computer or other equipment, and not caused by the display</p>	<ul style="list-style-type: none"> ■ Check that the video resolution and refresh rate is within that specified for the display. If you replaced an old display with this display, reconnect the old display and then set the computer's graphics board to the following resolution and refresh rate. <div> 1280 x 768 / 60 Hz 1024 x 768 / 60 Hz </div>
If using Windows	<ul style="list-style-type: none"> ■ If you replaced an old display with this display, reconnect the old display and do the following. Select “ SONY” from the “ Manufacturers” list and select “ SDM-V72W” from the “ Models” list in the Windows device selection screen. If it does not appear in the list, try “ Plug & Play” or install the information file for this display using the Windows Monitor Information Disk.
If using a Macintosh system	<ul style="list-style-type: none"> ■ When connecting a Macintosh computer, use an adapter (not supplied) if necessary. Connect the adapter to the computer before connecting the video signal cable.
<p>Picture flickers, bounces, oscillates, or is scrambled</p> <p>Problem caused by a connected computer or other equipment, and not caused by the display</p>	<ul style="list-style-type: none"> ■ Adjust the pitch and phase (analog RGB signal only) (page 23). ■ Isolate and eliminate any potential sources of electric or magnetic fields such as other monitors, laser printers, electric fans, fluorescent lighting, or televisions. ■ Move the display away from power lines or place a magnetic shield near the display. ■ Try plugging the display into a different AC outlet, preferably on a different circuit. ■ Change the orientation of the display. ■ Check your graphics board manual for the proper monitor setting. ■ Confirm that the graphics mode (VESA, Macintosh 19" Color, etc.) and the frequency of the input signal are supported by this display. Even if the frequency is within the proper range, some graphics boards may have a sync pulse that is too narrow for the display to sync correctly. ■ Adjust the computer's refresh rate (vertical frequency) to obtain the best possible picture (60 Hz is recommended).
<p>Picture is fuzzy</p> <p>Problem caused by a connected computer or other equipment, and not caused by the display</p>	<ul style="list-style-type: none"> ■ Adjust the brightness and contrast (page 20 and 26). ■ Adjust the pitch and phase (analog RGB signal only) (page 23). ■ Set the resolution and refresh rate to 1280 x 768 / 60 Hz or 1024 x 768 / 60 Hz on your computer.

Symptom	Check these items
Picture is ghosting	<ul style="list-style-type: none"> ■ Eliminate the use of video cable extensions and/or video switch boxes. ■ Check that all plugs are firmly seated in their sockets.
Picture is not centered or sized properly	<ul style="list-style-type: none"> ■ Adjust the pitch and phase (analog RGB signal only) (page 23). ■ Adjust the picture position (analog RGB signal only) (page 23). Note that some video modes do not fill the screen to the edges.
Picture is too small	<ul style="list-style-type: none"> ■ Set the zoom setting to Full (pages 22 and 30).
Problem caused by a connected computer or other equipment, and not caused by the display	<ul style="list-style-type: none"> ■ Set the resolution to the screen resolution.
Picture is dark	<ul style="list-style-type: none"> ■ Adjust the brightness (pages 20 and 26). ■ Adjust the backlight (pages 20 and 26).
Wavy or elliptical pattern (moire) is visible	<ul style="list-style-type: none"> ■ Adjust the pitch and phase (analog RGB signal only) (page 23).
Color is not uniform	<ul style="list-style-type: none"> ■ Adjust the pitch and phase (analog RGB signal only) (page 23).
White does not look white	<ul style="list-style-type: none"> ■ Adjust the color temperature (pages 20 and 26).
The display turns off after a while	<ul style="list-style-type: none"> ■ Try pressing a key on the keyboard to exit from Power Save mode.

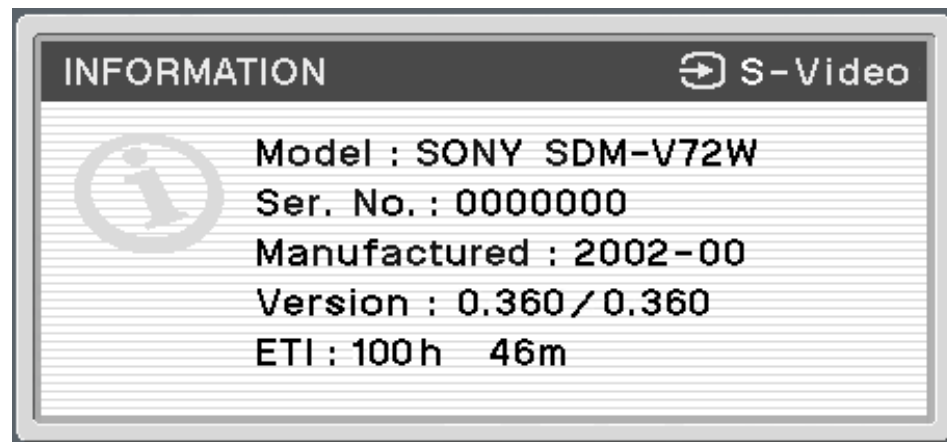
Troubleshooting - cont.

Displaying this display's name, serial number, and date of manufacturer

While the display is receiving a video signal, press and hold the MENU button for more than five seconds. The display's information box appears. Press the MENU button again to make the box disappear.

Example

MENU



If any problem persists, call your authorized Sony dealer and give the following information:

- Model name
- Serial number
- Name and specifications of your computer and graphics board
- Type of input signal (analog RGB)

Self-diagnosis function

This display is equipped with a self-diagnosis function. If there is a problem with your display or computer(s), the screen will go blank and the Power indicator will either light up green or flash amber. If the Power indicator is lit in amber, the computer is in power saving mode. Try pressing any key on the keyboard or moving the mouse.

If the picture disappears from the screen and the Power indicator is green

- 1** Turn off the Power button and disconnect the video signal cables from the display.
- 2** Turn the display on by pressing the Power button.

If all four color bars appear (white, red, green, blue), the display is working properly. Reconnect the video input cables and check to see if the condition persists; if so you may have a computer problem.

If the color bars do not appear, there is a potential display failure. Inform your authorized Sony dealer of the display's condition.

If the picture disappears from the screen and the Power indicator is flashing amber

Press the Power button twice to turn the display off and then on.

If the Power indicator lights up green, the display is working properly.

If the Power indicator is still flashing, there is a potential display failure. Count the number of seconds between amber flashes of the Power indicator and inform your authorized Sony dealer of the display's condition. Be sure to note the model name and serial number of your display. Also note the make and model of your computer and graphics board.

If the Power indicator lights up in amber

Try pressing any key on the keyboard or moving the mouse.

The display's Power Save mode is awakened and the Power indicator lights up in green, and the picture appears on the screen.

If you have any questions after reading this manual, please visit our website or click here www.sony.com/displays/support for Sony Technical Support.

Specifications

LCD panel	Panel type: a-Si TFT Active Matrix Display size: 17.1 inch (diagonally)
Display Resolution	Horizontal: Max. 1280 dot Vertical: Max. 768 lines
Input signal format	RGB operating frequency* Horizontal: 28-70 kHz Vertical: 45-85 Hz Pixel clock: 94.5MHz max.
PC Input signal levels	Analog RGB video signal: 0.7 Vp-p, 75 Ω positive SYNC signal: TTL level, 2.2k Ω positive or negative (Separate horizontal and vertical, or composite sync) 0.3 Vp-p, 75 Ω negative (Sync on green)
Component Video IN 2/RGB IN	Y: 1 Vp-p, 75 ohms, 0.3 V negative sync Pb: 0.7 Vp-p, 75 ohms Pr: 0.7 Vp-p, 75 ohms
Video IN	S-Video In (4-pin mini DIN): Y: 1 Vp-p, 75 ohms unbalanced, sync negative C: 0.286 Vp-p, 75 ohms Video (phone jack): 1 Vp-p 75 ohms unbalanced, sync negative
Audio Output	Speaker output: 3W x 2 Headphone jack: Stereo minijack Impedance 16-48 Ω acceptable

Audio Inputs	500 mVrms (100% modulation) Impedance 47 kilohms
Power Requirements	100 – 240 v, 50/60 Hz, max. 0.9 - 0.5 A (including AC adapter)
Power Consumption	Max. 49 W (including AC adapter)
Operating Temperature	5 –35 C°
Display dimensions (w x h x d)	Upright with stand: Approx. 472 x 405 x 184 mm (18.6 x 15.9 x 7.2 inches) Upright without stand: Approx. 472 x 348 x 73 mm (18.6 x 13.7 x 2.9 inches)
Mass	With stand: Approx. 5.9 kg (13 lbs) Without stand: Approx. 5.1 kg (11.2 lbs)
Plug & Play	DDC2B
Accessories	See page 8

- Horizontal sync width duty should be more than 4.8% of total horizontal time or 0.8 μ s, whichever is larger.
- Horizontal blanking width should be more than 2.5 μ sec.
- Vertical blanking width should be more than 450 μ sec.
- Maximum video pixel clock should be less than 94.5 MHz.

Design and specifications are subject to change without notice.

*Recommended horizontal and vertical timing condition

Appendix A

Preset PC mode timing table

No	Resolution (dots x lines)	Horizontal Frequency	Vertical Frequency	Graphics Mode
1	640 x 480	31.5 kHz	60 Hz	VGA-G
2	640 x 480	37.5 kHz	75 Hz	VESA
3	640 x 480	43.3 kHz	85 Hz	VESA
4	720 x 400	31.5 kHz	70 Hz	VGA-Text
5	800 x 600	37.9 kHz	60 Hz	SVGA
6	800 x 600	46.9 kHz	75 Hz	VESA
7	800 x 600	53.7 kHz	85 Hz	VESA
8	848 x 480	29.8 kHz	60 Hz	VESA-CVT
9	848 x 480	37.6 kHz	75 Hz	VESA-CVT
10	848 x 480	42.6 kHz	85 Hz	VESA-CVT
11	1024 x 768	48.4 kHz	60 Hz	XGA
12	1024 x 768	60.0 kHz	75 Hz	VESA
13	1024 x 768	68.7 kHz	85 Hz	VESA
14	1280 x 768	47.7 kHz	60 Hz	WXGA

Appendix B

Video mode timing table

Video Mode	Aspect	Timing	Scan Type	Standard	Interface
NTSC	4:3	15.73Khz/30Hz	Interlaced	SMPTE 170M	Composite/S-Video
720 x 480i	4:3/16:9	15.73Khz/30Hz	Interlaced	EIA-770.2-C	Component (Y, Pb, Pr)
720 x 480p	4:3/16:9	31.47Khz/60Hz	Progressive	EIA-770.2-C	Component (Y, Pb, Pr)
1280 x 720p	16:9	45.00Khz/60Hz	Progressive	EIA-770.3-C	Component (Y, Pb, Pr)
1920 x 1080i	16:9	33.75Khz/30Hz	Interlaced	EIA-770.3-C	Component (Y, Pb, Pr)