MITSUBISHI

THE BIG SCREEN COMPANY ™
Digital

Owner's Guide

Mitsubishi Plasma Display PD-5030 & PD-6130

Technically Anything is Possible®

IMPORTANT SAFETY INSTRUCTIONS (PD-5030/PD-6130)
Read before operating equipment

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this plasma display near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and third grounding prong.The wide blade or third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the plasma display.When a cart is used, use caution when moving the cart/plasma display combination to avoid injury from tip-over.
13. Unplug this plasma display during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the plasma display has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. This product may contain lead or mercury. Disposal of these materials may be regulated due to environmental considerations.
   For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: www.eiae.org.
16. **Damage Requiring Service** - The plasma display should be serviced by qualified service personnel when:
   A. The power supply cord or the plug has been damaged; or
   B. Objects have fallen, or liquid has been spilled into the plasma display; or
   C. The plasma display has been exposed to rain; or
   D. The plasma display does not appear to operate normally or exhibits a marked change in performance; or
   E. The plasma display has been dropped, or the enclosure damaged.

17. **Tilt/Stability** - All televisions must comply with recommended international global safety standards for tilt and stability properties of its cabinets design.
   • Do not compromise these design standards by applying excessive pull force to the front, or top, of the cabinet which could ultimately overturn the product.
   • Also, do not endanger yourself, or children, by placing electronic equipment/toys on the top of the cabinet. Such items could unsuspectingly fall from the top of the set and cause product damage and/or personal injury.
18. **Wall Mounting** - The plasma display should be mounted to a wall only as recommended by the manufacturer.
19. **Power Lines** - An outdoor antenna should be located away from power lines.
20. **Outdoor Antenna Grounding** - If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electric Code, ANSI/NFPA No. 70- 1984, provides information with respect to proper grounding of the mats and supporting structure grounding of the lead-in wire to an antenna-discharge unit, size of grounding connectors, location of antenna-discharge unit, connection to grounding electrodes and requirements for the grounding electrode.

21. **Objects and Liquid Entry** - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

Plasma display shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on apparatus.

WARNING

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

Important Information

Precautions

Please read this manual carefully before using your Mitsubishi plasma monitor and keep the manual handy for future reference.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

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

This symbol warns the user that uninsulated voltage within the unit may have sufficient magnitude to cause electric shock. Therefore, it is dangerous to make any kind of contact with any part inside of this unit.

This symbol alerts the user that important literature concerning the operation and maintenance of this unit has been included. Therefore, it should be read carefully in order to avoid any problems.

WARNING

TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE. ALSO DO NOT USE THIS UNIT'S POLARIZED PLUG WITH AN EXTENSION CORD RECEPTACLE OR OTHER OUTLETS, UNLESS THE PRONGS CAN BE FULLY INSERTED. REFRAIN FROM OPENING THE CABINET AS THERE ARE HIGH-VOLTAGE COMPONENTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Warning

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 when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Warnings and Safety Precautions

The Mitsubishi plasma monitor is designed and manufactured to provide long, trouble-free service. No maintenance other than cleaning is required. Use a soft dry cloth to clean the panel. Never use solvents such as alcohol or thinner to clean the panel surface.

The plasma display panel consists of fine picture elements (cells). Although Mitsubishi produces the plasma display panels with more than 99.99 percent active cells, there may be some cells that do not produce light or remain lit.

For operating safety and to avoid damage to the unit, please read and observe the following instructions.

To avoid shock and fire hazards:

1. Provide adequate space for ventilation to avoid internal heat build-up. Do not cover rear vents or install the unit in a closed cabinet or shelves.
   The unit is equipped with cooling fans. If you install the unit in an enclosure, make sure there is adequate space at the top of the unit to allow hot air to rise and escape. If the monitor becomes too hot, the overheat protector will be activated and the monitor will be turned off. If this happens, turn off the power to the monitor and unplug the power cord. If the room where the monitor is installed is particularly hot, move the monitor to a cooler location, and wait for the monitor to cool for 60 minutes. If the problem persists, contact your Mitsubishi dealer for service.
2. Do not use the power cord polarized plug with extension cords or outlets unless the prongs can be completely inserted.
3. Do not expose the unit to water or moisture.
4. Avoid damage to the power cord, and do not attempt to modify the power cord.
5. Unplug the unit during electrical storms or if the unit will not be used over a long period.
6. Do not open the cabinet which has potentially dangerous high voltage components inside. If the unit is damaged in this way the warranty will be void. Moreover, there is a serious risk of electric shock.
7. Do not attempt to service or repair the unit. Mitsubishi is not liable for any bodily harm or damage caused if unqualified persons attempt service or open the back cover. Refer all service to authorized Mitsubishi Service Centers.

Caution

PD-5030 and PD-6130 are for use with the following optional accessories. Use with other optional accessories is capable of resulting in instability causing possible injury.

Manufacturer's name: MITSUBISHI DIGITAL ELECTRONICS AMERICA, INC
Stand: MB-5010/MB-5030 for PD-5030
       MB-6130 for PD-6130

Please contact MITSUBISHI DIGITAL ELECTRONICS AMERICA, INC for approved optional accessories.
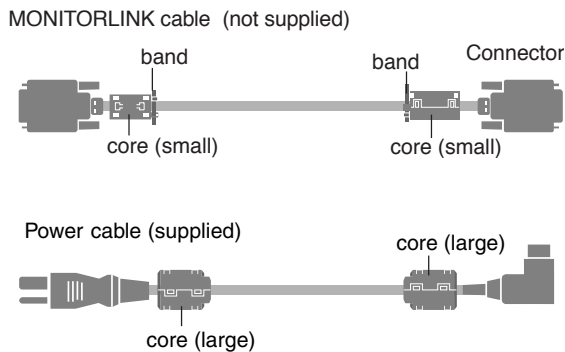
To avoid damage and prolong operating life:

1. Use only with 120V 50/60Hz AC power supply. Continued operation at line voltages greater than 120 Volts AC will shorten the life of the unit, and might even cause a fire hazard.
2. Handle the unit carefully when installing it and do not drop.
3. Set the unit away from heat, excessive dust, and direct sunlight.
4. Protect the inside of the unit from liquids and small metal objects. In case of an accident, unplug the unit and have it serviced by an authorized Mitsubishi Service Center.
5. Do not hit or scratch the panel surface as this causes flaws on the surface of the screen.
6. For correct installation and mounting it is strongly recommended to use a trained, authorized Mitsubishi dealer.
7. Only use tabletop stands or wall-mount brackets that are designed specifically for this product.
8. As is the case with any phosphor-based display (like a CRT monitor, for example) light output will gradually decrease over the life of a Plasma Display Panel.

Recommendations to avoid or minimize uneven phosphor aging:

Like all phosphor-based display devices and all other gas plasma displays, plasma monitors can be susceptible to uneven phosphor aging under certain circumstances. Certain operating conditions, such as the continuous display of a static image over a prolonged period of time, can result in uneven phosphor aging if proper precautions are not taken. To protect your investment in this Mitsubishi plasma monitor, please adhere to the following guidelines and recommendations for minimizing this type of damage:

* Do not turn off ORBITER.*
* Always enable and use your computer's video game or DVD player screen saver during use with these sources.
* Display a moving image whenever possible.
* Change the position of the menu display from time to time.
* Always power down the monitor when you are finished using it.

If the plasma monitor is in long term use or continuous operation, take the following measures to reduce the likelihood of uneven phosphor aging:

* Do not turn off ORBITER.*
* Lower the Brightness and Contrast levels as much as possible without impairing image readability.
* Display an image with many colors and color gradations (i.e. photographic or photo-realistic images).
* Create image content with minimal contrast between light and dark areas. Use complementary or pastel colors whenever possible.
* Avoid displaying images with few colors and distinct, sharply defined borders between colors.

NOTE:
Uneven phosphor aging/burn-in is not covered by the warranty.

Contact Mitsubishi at 1-800-332-2119 for other recommended procedures that will best suit your particular application needs.

*ORBITER - Uneven phosphor aging/burn-in reduction feature. To minimize the risk of uneven phosphor aging/burn-in when displaying still images, the Mitsubishi PD-5030 and PD-6130 offers a built-in feature known as ORBITER. The ORBITER feature intermittently shifts the screen image horizontally and vertically in small increments. This intermittent screen movement is usually not evident in full motion video. In some instances the ORBITER shift might be evident while displaying static guides or menus. The default setting for ORBITER is On (AUTO1). Mitsubishi chose this setting to help reduce uneven phosphor aging. Please do not shut the ORBITER off. For more information regarding ORBITER, see page 26.

WARNING: Do not leave stationary or letterbox images on-screen for extended periods of time. Mix types of pictures shown. Uneven phosphor aging is NOT covered by your warranty.

The normal use of a TV should include a mixture of TV picture types. The most frequently used picture types should fill the screen with constantly moving images rather than stationary images or patterns. Displaying the same stationary patterns over extended periods of time, or displaying the same stationary pattern frequently can leave a subtle but permanent ghost image. To avoid this, mix your viewing pattern. Do not show the same stationary image for more than 15% of your total TV viewing in any one week. Display constantly moving and changing images that fill the screen whenever possible.

This plasma monitor is a phosphor-based display. As is the case with any phosphor-based display (like a CRT TV/monitor, for example) light output will gradually decrease over the life of a plasma display panel. Normal TV pictures fill the screen with constantly changing images. Under these conditions, phosphor-based displays age at an even rate across the entire screen. This maintains a TV picture that is evenly bright over the whole screen. Stationary images or images that only partially fill the screen (leaving black or colored bars to fill the screen), when used over extended periods of time or when viewed repeatedly, can cause uneven aging of the phosphors used in plasma displays and can leave subtle ghosts of the stationary images in the picture.

When using a computer or similar device through a VGA input, be sure to turn on the Screen Saver feature and set the activation time to 5 minutes or less. If your computer program allows, you should also set your toolbars to the hidden mode.

Still or stationary images may be received from broadcasters, cable channels, satellite channels, DVD discs, video tapes, laser discs, on-line services, web/internet searching devices, video games, and digital TV tuner/converter boxes. Examples of these types of images include, but are not limited to the following:

- **Letterbox top/bottom black bars:** shown at the top and bottom of the TV screen when you watch a widescreen (16:9) movie on a standard (4:3) TV.

- **Side bar images:** solid bars shown on each side of an image when watching a standard (4:3) program on a widescreen (16:9) TV.

- **Stock-market report bars:** ticker running at the bottom of the TV screen.

- **Shopping channel logos & pricing displays:** bright graphics that are shown constantly or repeatedly in the same location.

- **Video game patterns and scoreboards**

- **Bright station logos:** moving or low-contrast graphics are less likely to cause uneven aging of the picture tubes.

- **On-line (Internet) web sites:** or any other stationary or repetitive computer style images.

- **Closed Caption Backgrounds:** When set to black or bright color, if Close Caption will be used frequently Mitsubishi suggests the us of the gray background.

Cleaning Safeguards

Plasma Display Screen & Cabinet

Please follow the cleaning safeguards listed below to prevent damage to your Plasma Display and retain this document for future reference.

IMPORTANT: No Abrasives!

DO NOT use any kind of abrasive cloth or cleaner or ammonia on the Plasma Display's screen or cabinet.

Cleaning Your Plasma Display

Normally, light dusting with a dry, non-abrasive cloth will clean your Plasma Display. If cleaning beyond this is needed, please follow these guidelines:

First, turn off the Plasma Display and unplug the power cord from the wall outlet before cleaning.

Cleaning the cabinet of your Plasma Display

• Gently wipe down the Plasma Display with a soft, non-abrasive cloth such as cotton flannel or a clean cloth diaper, lightly moistened with water.

• Dry with a second dry, soft, non-abrasive cloth.

General Cleaning Warnings:

• **DO NOT** apply pressure to the Plasma Display's screen.

• **DO NOT** allow liquid to enter the Plasma Display through the ventilation slots or any crevice.

• **DO NOT** use any strong or abrasive cleaners because they can scratch the screen and the cabinet.

• **DO NOT** use any cleaners that contain ammonia, bleach, alcohol, benzene, or thinners because they can damage and dull the surfaces.

• **DO NOT** scrub or rub the screen or cabinet. Wipe it gently.

IMPORTANT

For further information, assistance in operating your Plasma Display or if you are in need of service, please contact us at www.mitsubishi-tv.com or call Consumer Relations at

800-332-2119

Introduction

Introduction to the PD-5030/ PD-6130 Plasma Monitors

Mitsubishi's PD-5030/PD-6130 plasma displays are a seamless blend of cutting-edge visual technology and sophisticated design. The monitor's sleek techno-art lines blend in well with your environment. The displays crisp, vivid image quality will transform data from any graphic medium from PCs to DVD players into art. Mitsubishi has made sure that a host of multimedia resources can be easily connected and displayed as brilliantly as intended.

The features you'll enjoy include:

• 16:9 aspect ratio
• Capsulated Color Filter (CCF) and black matrix
• The enhanced display uses a two-stage filtering system for deeper, more accurate colors.
• High-resolution screen: 1365 x 768 pixels
• 160-degrees of off-axis viewing, horizontally and vertically.
• Flicker - and warp - free display provides excellent image geometry even in screen corners
• Not affected by magnetic fields, no color drift or edge distortion.
• VGA, SVGA, XGA, SXGA, UXGA computer signal compatibility
• NTSC, PAL, SECAM, composite and S-Video signal compatibility
• 480P, 1080I, 720P and HDTV signal compatibility
• PCs, VCRs, Laser Disc and DVD player source compatibility
• Sophisticated formatting circuitry automatically converts VGA, SVGA, XGA, SXGA and UXGA signals to the panel's native resolution
• Precision algorithms are used to convert interlaced signals to progressive scan.
• User selectable on-screen color temperature settings
• Component video input terminal for DVD, 15.75kHz (Y, CB, CR)
• Digital broadcasting source compatibility
• Menu-driven on-screen control system that makes image adjustments a snap
• Seven languages (English, German, French, Italian, Spanish, Swedish, and Chinese)

Contents of the Package

❑ Plasma monitor
❑ Power cord
❑ RGB cable (Mini D-Sub 15-pin to Mini D-Sub 15-pin connector)
❑ Remote control with two AAA Batteries
❑ Owner's guide
❑ Remote cable
❑ Safety metal fittings*
❑ Screws for safety metal fittings*
❑ Ferrite cores (small x 2, large x 2), bands
❑ Cable clamps
❑ Registration card

* These fittings are for fastening the unit to a wall to prevent tipping when used with an optional tabletop stand. Fasten the safety fittings to the holes in the back of the monitor using the mount screws.

Options

• Tabletop stand

Contents

How to Attach Options to the Plasma Monitor

You can attach your optional mounts or stand to the plasma monitor in one of the following two ways:
* While it is upright. (See Drawing A)
* As it is laid down with the screen face down (See Drawing B). Lay the protective sheet, which was wrapped around the monitor when it was packaged, beneath the screen surface so as not to scratch the screen face.
* Do not touch or hold the screen face when carrying the unit.

- **This device cannot be installed on its own. Be sure to use a stand or other mounting hardware that is designed specifically for this product.**

- **For correct installation and mounting it is strongly recommended to use a trained, authorized dealer.**
  Failure to follow correct mounting procedures could result in damage to the equipment or injury to the installer.
  Product warranty does not cover damage caused by improper installation.

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* Use only a matching stand or wall mount kit designed for this product.
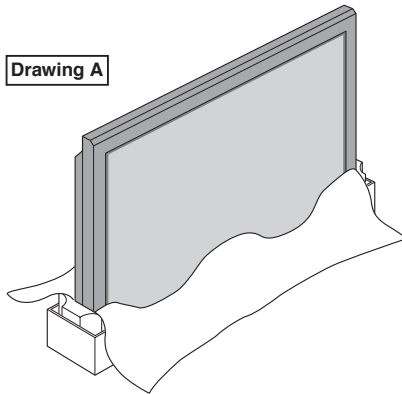
Drawing A
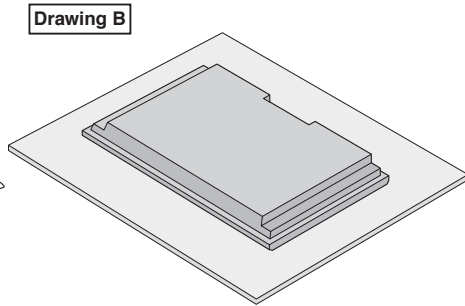
Drawing B

When installing or carrying, use the handles attached to the upper back of the display.

Ventilation requirements for enclosure mounting

To allow heat to disperse, leave space between surrounding objects as shown on the diagram below when installing.

Wall

50mm (2")   50mm (2")

50mm (2")

Wall

50mm (2")

50mm (2")
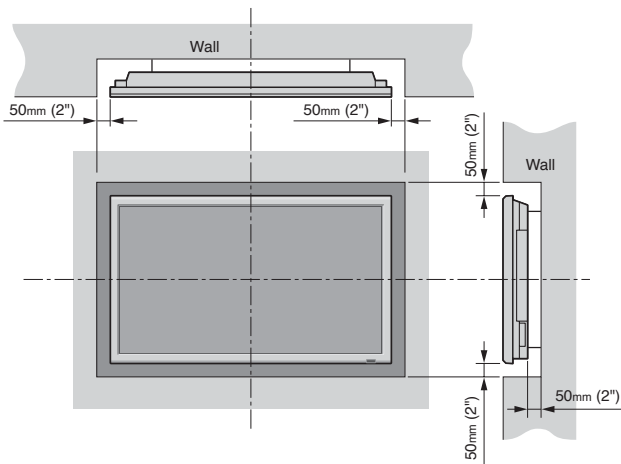
How to use the safety metal fittings and the screws for safety metal fittings

These are fittings for fastening the unit to a wall to prevent tipping due to external shock when using the stand (optional). Fasten the safety fittings to the holes in the back of the monitor using the safety fitting mount screws.
* Safety metal fittings will differ according to the model.

Screw hole

Screw or Hook etc. (Not supplied)

Safety metal fittings

Screw for Safty metal fittings

Metal chain (Not supplied)

Wall

Table Top
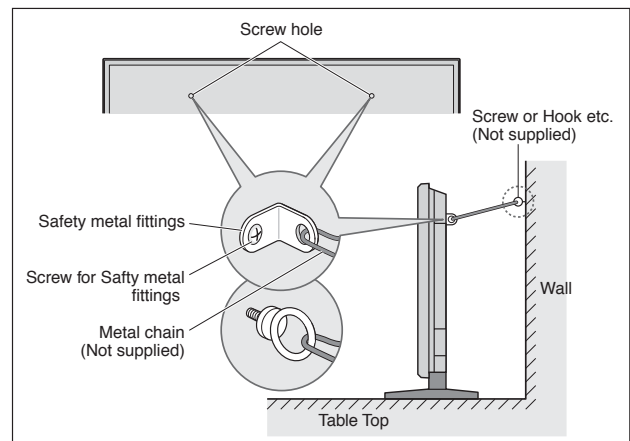
Part Names and Function

Front View

MENU/ENTER V VOLUME ∧ LEFT/− RIGHT/+ INPUT/EXIT

⑦ ⑥ ⑤ ④

POWER/STANDBY

① ③ ②
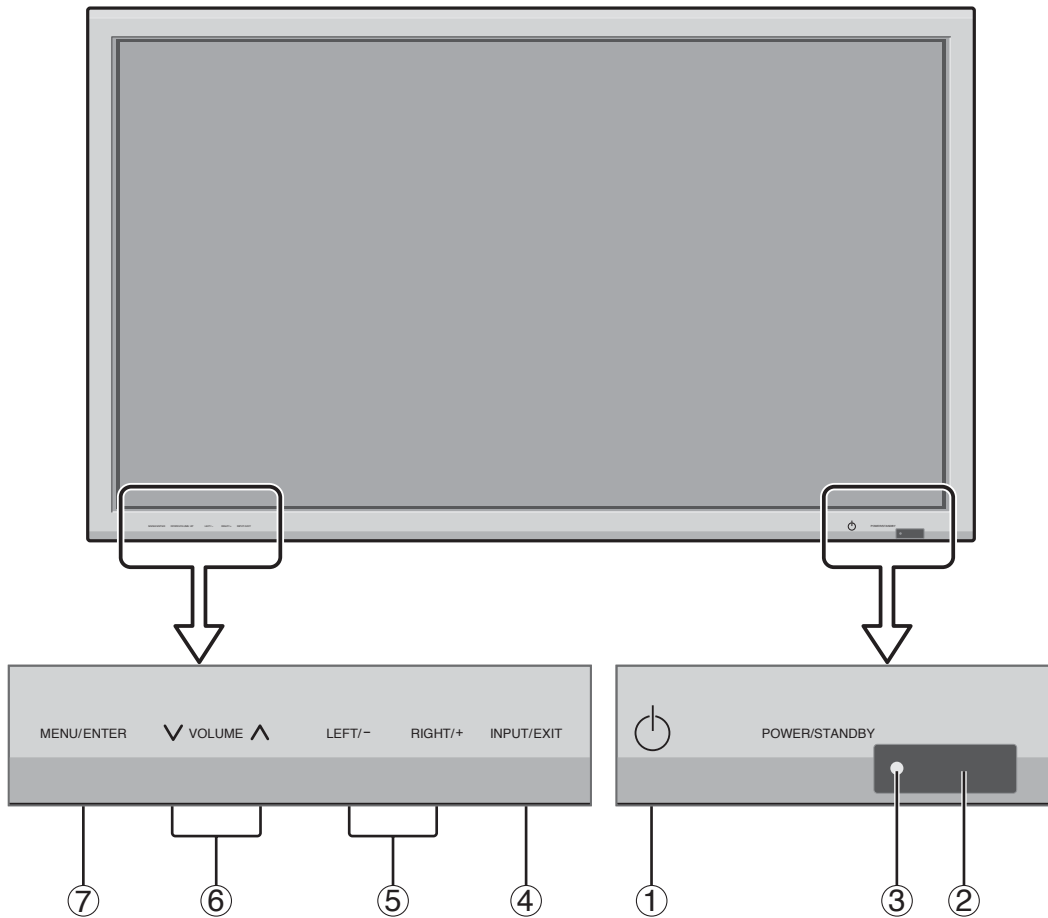
① **POWER**

Turns the monitor's power on and off.

② **REMOTE SENSOR WINDOW**

Receives the signals from the remote control.

③ **POWER/STANDBY indicator**

When the power is on .... Lights green.
When the power is in the standby mode ... Lights red.

④ **INPUT SELECT / EXIT**

Switches the input, in the following order.
The available inputs depend on the setting of "BNC INPUT".

RGB: → VIDEO1 → VIDEO2 → VIDEO3 → HD/DVD/DTV →
MONLINK ← RGB/PC2 ← RGB/PC1 ←

COMP.: → VIDEO1 → VIDEO2 → VIDEO3 → HD1/DVD1/DTV1 →
RGB/PC2 ← RGB/PC1 ← HD2/DVD2/DTV2 ←

Functions as the EXIT button in the On-Screen Menu (OSM) mode.

⑤ **LEFT/− and RIGHT/+**

Enlarges or reduces the image. Functions as the ADJUST (◄ / ►) buttons in the On-Screen Menu (OSM) mode.

⑥ **VOLUME ∨ and ∧**

Adjusts the volume. Functions as the ADJUST (▲/▼) buttons in the On-Screen Menu (OSM) mode.

⑦ **MENU/ENTER**

Displays the main On-Screen Menu (OSM). Selects a menu item in the On-Screen Menu (OSM) mode.

Rear View/ Terminal Board

C

D

E

F

G

H

I

J

K

A , B
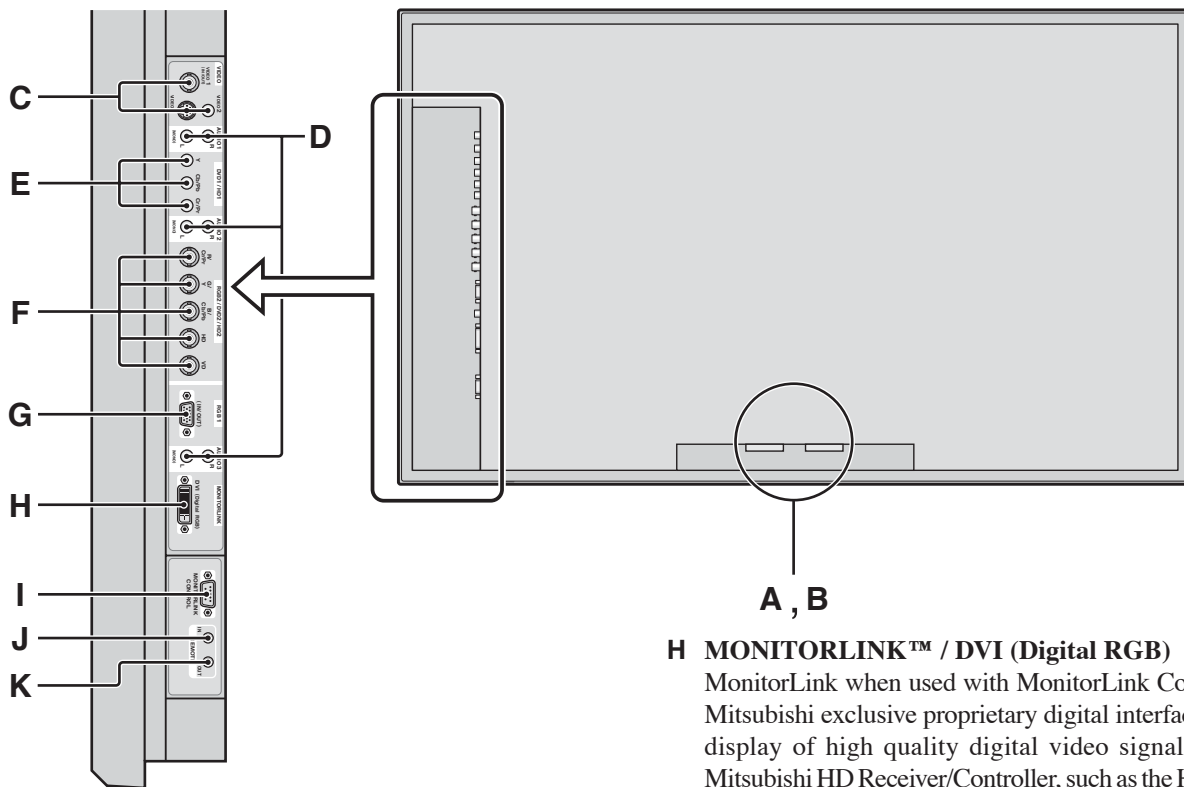
A   AC IN
Connect the included power cord here.

B   EXT SPEAKER L and R
Connect speakers (optional) here. Maintain the correct polarity. Connect the ⊕ (positive) speaker wire to the ⊕ EXT SPEAKER terminal and the ⊖ (negative) speaker wire to the ⊖ EXT SPEAKER terminal on both LEFT and RIGHT channels.
Please refer to your speaker's owner's manual.

C   VIDEO1, 2, 3 (BNC, RCA, S-Video)
Connect VCR's, DVD's or Video Cameras, etc. here.
VIDEO1 can be used for Input or Output (see page 10).

D   AUDIO1, AUDIO2, AUDIO3
These are audio input terminals.
The input is selectable. Select the individual video setting from the audio menu screen.

E   DVD1 / HD1
Connect DVD's, High Definition or Laser Discs, etc. here.

F   RGB2/ DVD2/ HD2
RGB2:   You can connect an analog RGB signal and the syncronization signal.
DVD2/ HD2: You can connect DVDs, High Definition sources, Laser Discs, etc. here.
                    This input can be set for use with an RGB or component source. (see page 22)

G   RGB1 (mini D-Sub 15pin)
Connect an analog RGB signal from a computer, etc. here.
This input can be used for Input or Output. (see page 10)

H   MONITORLINK™ / DVI (Digital RGB)
MonitorLink when used with MonitorLink Control is a Mitsubishi exclusive proprietary digital interface for the display of high quality digital video signals from a Mitsubishi HD Receiver/Controller, such as the HD-5000.

The MonitorLink input can also be used as a DVI input from other sources. The left and right audio allow the external Mitsubishi HDTV Receiver/Controller or DVI set-top box to provide audio to the TV to be able to use the TV speakers. When MonitorLink is used as DVI, it is HDCP compatible.

Note: *When MonitorLink is used as a DVI-HD input, the terminal is compliant with EIA-861 standards for extended and high definition video, however, this input is not intended for use with personal computers or devices outputting video signals with computer resolution.*

I   MONITORLINK™ CONTROL / RS-232C
A digital control interface that works in conjunction with MonitorLink. While MonitorLink provides the digital video signal, MonitorLink Control provides enhanced functioning such as automatic power ON/OFF and input selection. If you are not connecting a Mitsubishi HDTV Receiver/Controller with MonitorLink features, MonitorLink Control can be used as an RS-232C control signal input port with an external control system. Please visit www.mitsubishi-tv.com for RS-232 command protocol.

J   REMOTE IN
Connect the remote cable to the remote control's remote jack to obtain wired remote control.

K   REMOTE OUT
Connect the remote cable to the REMOTE IN jack of the other display monitor to obtain wired remote control.

3

Remote Control
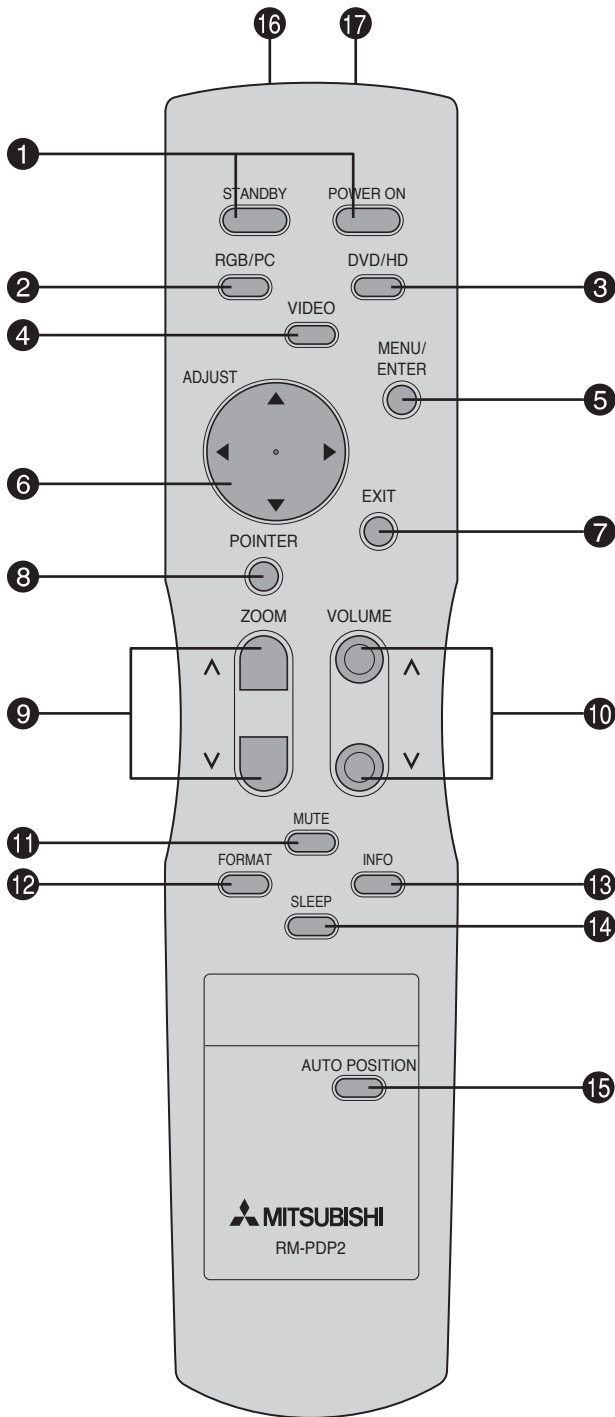
❶ POWER ON/STANDBY
Switches the power on/standby.
(This does not operate when POWER/STANDBY indicator of the main unit is off.)

❷ RGB/PC
Press this button to select RGB/PC as the source.
The available sources depend on the setting of "BNC INPUT".
RGB: → RGB/PC1 → RGB/PC2 → MONLINK

COMP. : → RGB/PC1 → MONLINK

RGB/PC can also be selected using the INPUT SELECT button on the monitor.

❸ DVD / HD
Press this button to select DVD/HD as the source.
The available sources depend on the setting of "BNC INPUT".
RGB: HD/DVD/DTV

COMP.: → HD1/DVD1/DTV1 → HD2/DVD2/DTV2

DVD/HD can also be selected using the INPUT SELECT button on the monitor.

❹ VIDEO
Press this button to select VIDEO as the source.

→ VIDEO1 → VIDEO2 → VIDEO3

VIDEO can also be selected using the INPUT SELECT button on the monitor.

❺ MENU/ENTER
Press this button to access the On-Screen Menu (OSM) controls.
Press this button during the display of the main menu to go to the sub menu.

❻ ADJUST (▲ / ▼ / ◄ / ►)
Use these buttons to select items or adjust settings or switch the display patterns.

❼ EXIT
Press this button to exit the main menu. Press this button during the display of the sub menu to return to the previous menu.

❽ POINTER
Press this button to display the pointer.

❾ ZOOM (∧ / ∨)
Enlarges or reduces the image.

❿ VOLUME (∧ / ∨)
Adjusts the audio volume.

⓫ MUTE
Mutes the sound.

⓬ FORMAT
Automatically detects the signal and sets the aspect ratio. Format button is not active for all signals.

⓭ INFO
Displays the source settings on the screen.

⓮ SLEEP
Activates the off timer.

4

⑮ **AUTO POSITION**

Available for PC Inputs Only. Press this button to automatically adjust the size and position of the current screen resolution.

⑯ **Remote control signal transmitter**

Transmits the remote control signals.

⑰ **Remote Jack**

Insert the plug of the remote cable here when using the supplied remote control in the wired condition.

Battery Installation and Replacement

Insert the 2 "AAA" batteries, making sure to set them in with the proper polarity.

1. Remove the remote control's back cover by gently pressing the rigid tab in the direction of the arrow.
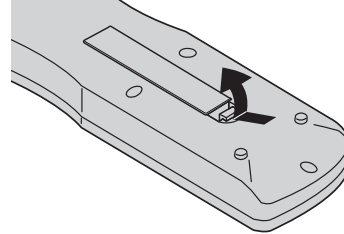
2. Install the batteries according to the (+) and (–) indication inside the case. For ease of installation, install the negative (–) side first.
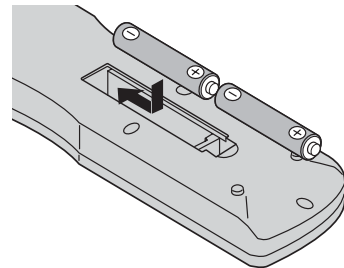
3. Replace the cover.
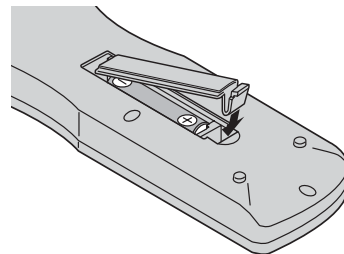
Using the wired remote control mode

Connect one end of the remote cable to the remote control's REMOTE JACK and the other end to the "REMOTE IN" terminal on the monitor. When the cable is connected, the mode automatically switches to wired remote control. When the wired remote control mode is used, the remote control can be operated even if no batteries are installed.
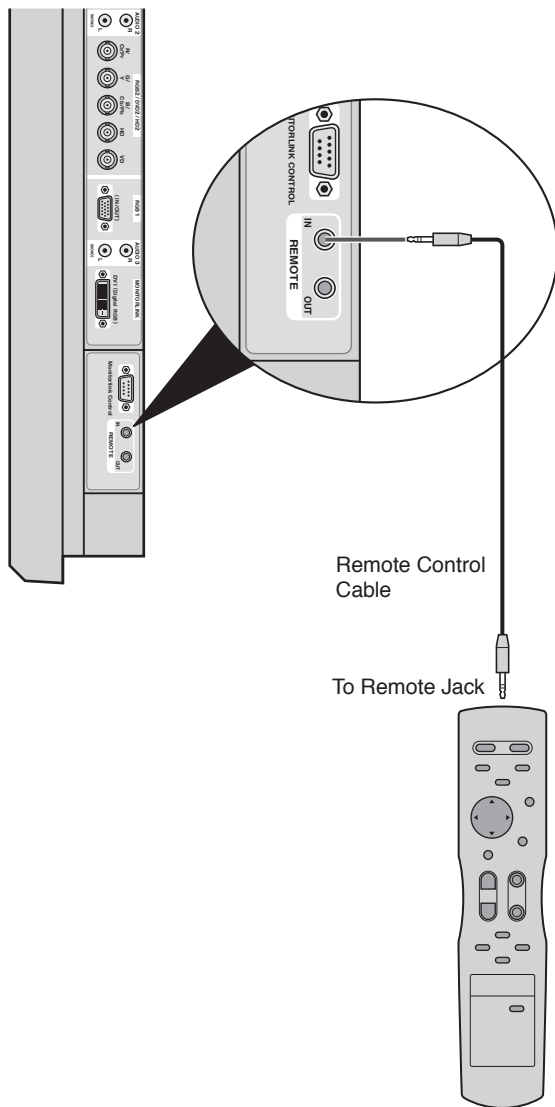
Operating Range

* Use the remote control within a distance of about 7 m/23ft. from the front of the monitor's remote control sensor and at horizontal and vertical angles of up to approximately 30°.

* The remote control operation may not function if the monitor's remote control sensor is exposed to direct sunlight or strong artificial light, or if there is an obstacle between the sensor and the remote control.

Remote Control Cable

To Remote Jack

Approx.
7m/23ft

30°   30°
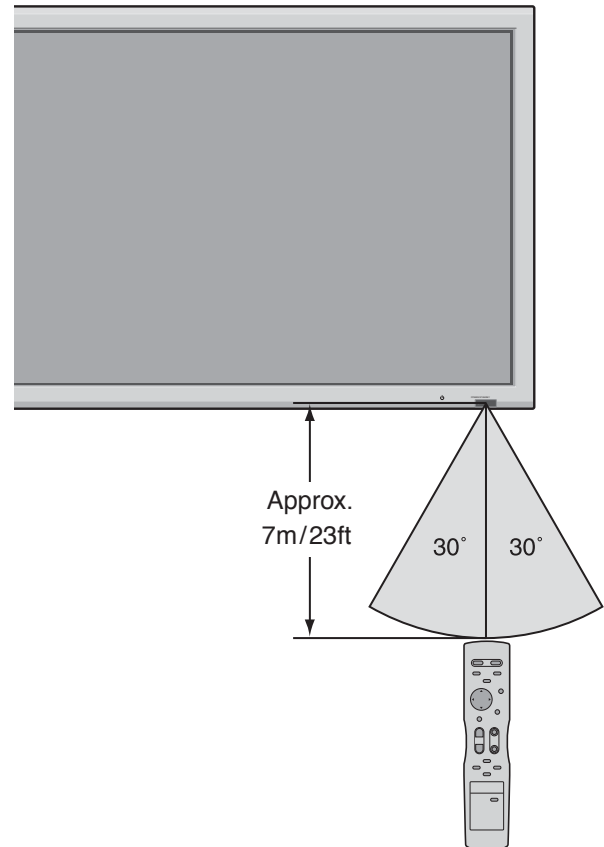
Handling the remote control

• Do not drop or mishandle the remote control.
• Do not get the remote control wet. If the remote control gets wet, wipe it dry immediately.
• Avoid heat and humidity.
• When using the remote control in the wireless condition, be sure to unplug the remote cable from the REMOTE IN terminal on the monitor.
• Do not mix new and old batteries.
• Do not heat, take apart, or throw batteries into a fire.
• When the remote control is not being used for a long period of time, remove the batteries.

Installation

VIDEO 1-3

To video inputs on
the plasma monitor

VCR or Laser Disc Player

Document Camera

DVD Player

IBM VGA or Compatibles

Macintosh or Compatibles
(Desk top type)

Monitor adapter for
Macintosh (not included)

To Mini D-Sub 15 pin connector on the plasma monitor

**Mitsubishi HD Receiver/Controller
(i.e. HD-5000)**
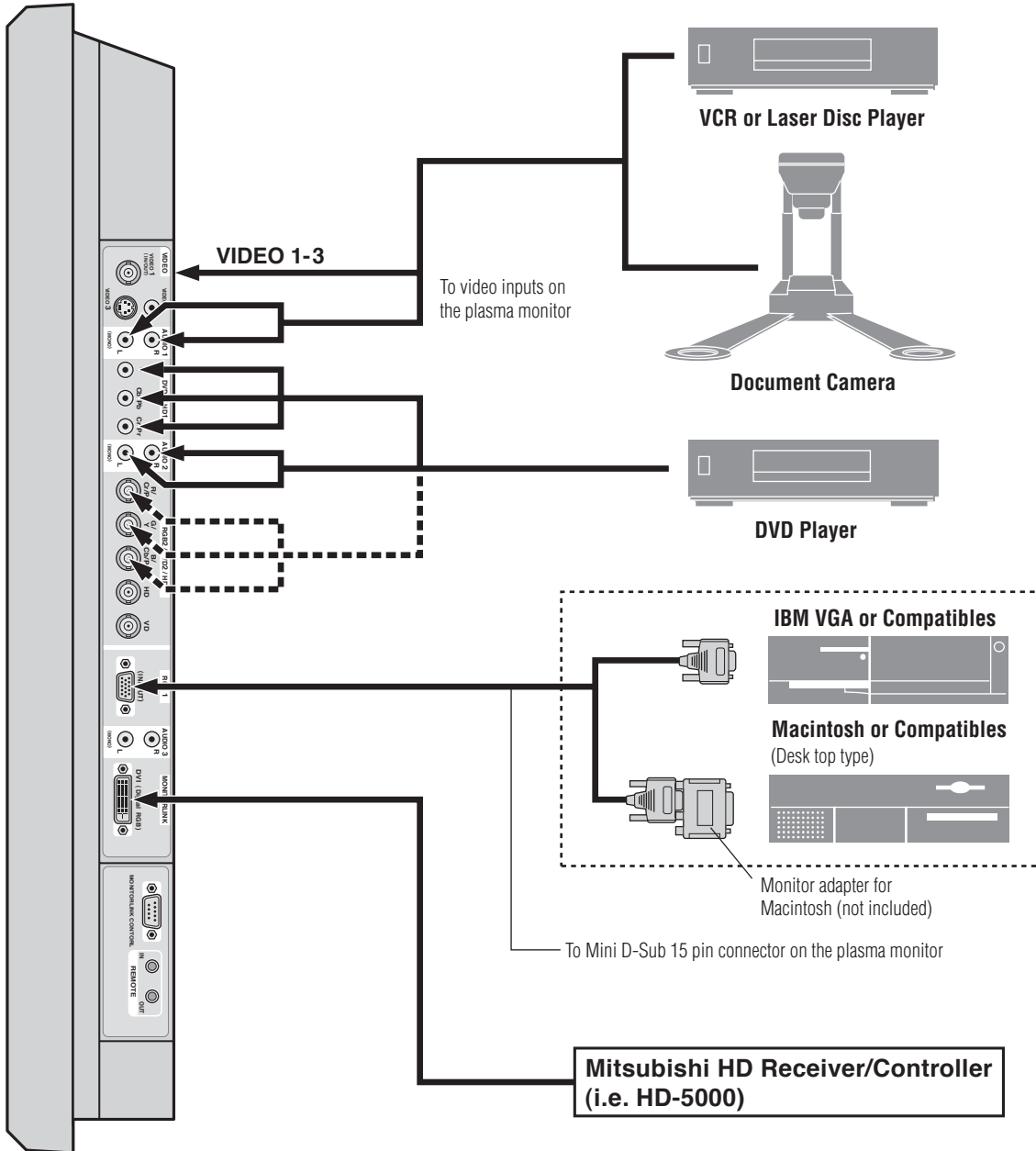
Connecting Your PC or Macintosh Computer

Connecting your PC or Macintosh computer to your plasma monitor will enable you to display your computer's screen image for an impressive presentation. The plasma monitor supports the signals described on page 40.

To connect a PC, Macintosh or compatible graphics adapter, simply:

1. Turn off the power to your plasma monitor and computer.

2. If your PC does not support SXGA/XGA/SVGA/VGA you will need to install an SXGA/XGA/SVGA/VGA graphics board. Consult your computer's owner's manual for your SXGA/XGA/SVGA/VGA configuration. If you need to install a new board, see the manual that comes with your new graphics board for installation instructions.

3. This plasma monitor provides signal compatibility up to VESA 1600×1200 (UXGA). However, it is not recommended to use this resolution due to image readability.

4. Use the signal cable to connect your PC or Macintosh computer to the plasma monitor. For Macintosh, use a monitor adapter (not included) to connect to your computer's video port, if necessary.

5. Turn on the plasma monitor and the computer.

6. If the plasma monitor goes blank after a period of inactivity, it may be caused by a screen saver installed on the computer you've connected to the plasma monitor.

When using a Macintosh with the plasma monitor, the following four display standards are supported using the Macintosh adapter :

       13" fixed mode
       16" fixed mode
       19" fixed mode
       21" fixed mode

The 19" fixed mode is recommended for your monitor.

Connecting Your VCR or Laser Disc Player

Use common RCA cables (not provided) to connect your VCR or laser disc player to your plasma monitor. To make these connections, simply:

1. Turn off the power to your plasma monitor and VCR or laser disc player.

2. Connect one end of your RCA cable to the video output connector on the back of your VCR or laser disc player, connect the other end to the Video input on your plasma monitor. Use standard RCA audio patch cables to connect the audio from your VCR or laser disc player to your plasma monitor (if your VCR or laser disc player has this capability). Be careful to keep your right and left channel connections correct for stereo sound.

3. Turn on the plasma monitor and the VCR or laser disc player.

Note: *Refer to your VCR or laser disc player owner's manual for more information about your equipment's video output requirements.*

Connecting Your DVD Player

You can connect your plasma monitor to a DVD player. To do so, simply:

1. Turn off the power to your plasma monitor and DVD player.

2. Use a component video cable (not provided) to connect your DVD player to the Y, Cb, and Cr inputs on your plasma monitor.
Or use the DVD-player's S-Video output. Use a standard S-Video (not provided) cable to connect to the S-Video input on the plasma monitor.

3. Use standard RCA audio patch cables to connect the audio from your DVD Player to your plasma monitor.

4. Turn on the plasma monitor and the DVD player.

MonitorLink™ Connections
MonitorLink and MonitorLink Control

1. Connect a MonitorLink cable from the Mitsubishi Receiver/Controller back panel to the plasma monitor back panel.

2. Connect the L (left) and R (right) audio cables from the Mitsubishi Receiver/Controller to AUDIO LEFT and AUDIO RIGHT on the MonitorLink section of the plasma monitor back panel.

3. Connect the MonitorLink Control cable from the Mitsubishi Receiver/Controller back panel to the plasma monitor back panel.

Note:
1. Input TMDS signals conforming to DVI standards. The TMDS input corresponds to 1 link.
2. To maintain display quality, use a cable with a quality prescribed by DVI standards that is within 5 meters in length.

External DVI Device with DVI-HDCP

1. Connect a DVI cable from the DVI output of the external DVI type device to the MonitorLink/DVI-HD input on the back of the plasma monitor.

2. Connect the L (left) and R (right) audio cables from the external DVI device to AUDIO LEFT and AUDIO RIGHT on the MonitorLink section of the plasma monitor back panel.

Note: When used as a DVI Input, MonitorLink input is compliant with HDCP and the EIA-861 standards for standard, extended and high definition video. This input is not intended for use with personal computers or devices outputting video signals with computer resolution.

Pin Assignments and Signal Levels for 15 pin RGB (Analog) Connector
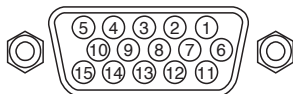
Pin No.	Signal (Analog)
1	Red
2	Green or sync-on-green
3	Blue
4	No connection
5	Ground
6	Red ground
7	Green ground
8	Blue ground
9	No connection
10	Sync signal ground
11	No connection
12	Bi-directional DATA (SDA)
13	Horizontal sync or Composite sync
14	Vertical sync
15	Data clock

MonitorLink™ Pin Configuration (DVI Connector)

The unit is equipped with a type of connector commonly used for digital signals.
(This cannot be used for an analog input.)
(TMDS can be used for one link only.)

MonitorLink™ / DVI
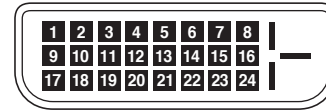
Pin No.	Signal (Digital)
1	T.M.D.S Data 2 -
2	T.M.D.S Data 2 +
3	T.M.D.S Data 2 Shield
4	No connection
5	No connection
6	DDC Clock
7	DDC Data
8	No connection
9	T.M.D.S Data 1 -
10	T.M.D.S Data 1 +
11	T.M.D.S Data 1 Shield
12	No connection
13	No connection
14	+5V Power
15	Ground
16	Hot Plug Detect
17	T.M.D.S Data 0 -
18	T.M.D.S Data 0 +
19	T.M.D.S Data 0 Shield
20	No connection
21	No connection
22	T.M.D.S Clock Shield
23	T.M.D.S Clock +
24	T.M.D.S Clock -

Loop Out

• Connect signal cables and remote cables as shown below.

Video signal | RGB/DVD/HD signal
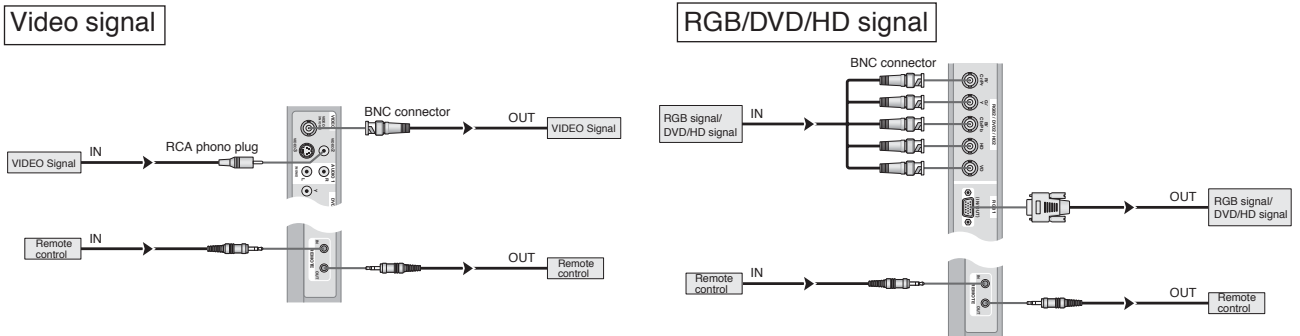
Note:

1. The VIDEO1 and RGB1 terminals can be used for either INPUT or OUTPUT.
   When LOOP OUT is ON, do not connect an OUTPUT signal from another unit, that will place an extraordinary load on the other unit and may damage it.
2. LOOP OUT can not be turned ON while signals are input to RGB1 terminal.
3. LOOP OUT can be turned ON while signals are input to RGB1 terminal if the POWER is switched ON.

Information

• To loop signals out to another plasma display, set the LOOP OUT to ON.
• To connect monitors, please use a 1~2m (3.3~6.6 feet) BNC cable (any commercially available cable).
• If the image quality is poor, do not use the monitor's out terminal. Use a distribution amplifier (any commercially available distribution amplifier) to connect the split signals to the respective monitor INPUT terminals.

Cable Management

Using the cable clamps provided with the plasma display, bundle at the back of the unit the signal and audio cables connected to the display.
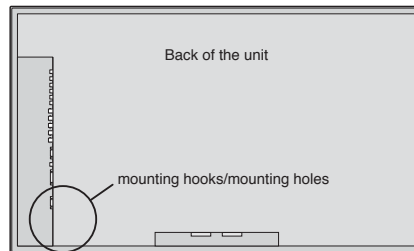
To attach
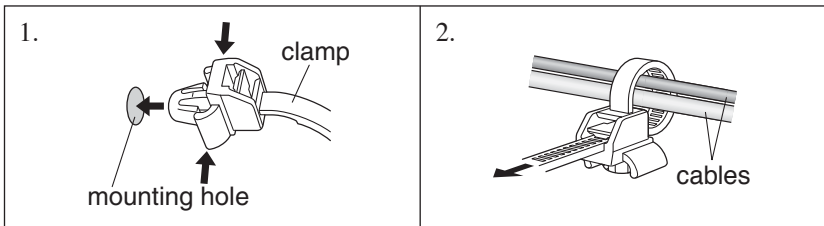
To detach
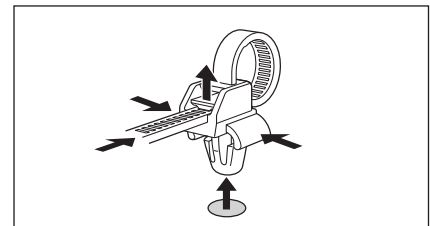
Basic Operations

POWER

ON:

1. Plug the power cord into an active AC power outlet.

2. Press the Power button located underneath the right side of the front panel.
   The monitor's POWER/STANDBY indicator turns green and the plasma display is on.

OFF:

Press the Power button (underneath the front panel) to turn off the display.
The monitor's POWER/STANDBY indicator goes off.

STANDBY ON:

Press the POWER ON button (on the remote control) to turn on the display.
The monitor's POWER/STANDBY indicator will light up (green) when the plasma display is on.

STANDBY OFF:

Press the STANDBY button on the remote. The monitor's POWER/STANDBY indicator turns red and the standby mode is set (only when turning off the unit with the remote control).

VOLUME

To adjust the sound volume:

1. Press and hold the VOLUME ∧ button (on the remote control or the front panel) to increase to the desired level.

2. Press and hold the VOLUME ∨ button (on the remote control or the front panel) to decrease to the desired level.

MUTE

To cancel the sound:

Press the MUTE button on the remote control to cancel the sound; press again to restore.

INFO

To check the settings:

1. The screen changes each time the INFO button is pressed.

2. If the button is not pressed for approximately three seconds, the menu turns off.

DIGITAL ZOOM

Digital zoom specifies the picture position and enlarges the picture.

1. Press the POINTER button to display the pointer. ( )

   To change the size of the picture:
   Press the ZOOM ∧ button to enlarge the picture.
   The pointer will change to resemble a magnifying glass. ( )
   A press of the ZOOM ∨ button will reduce the picture and return it to its original size.

   To change the picture position:
   Select the position with the ▲▼◄ ► buttons.

2. Press the POINTER button to delete the pointer.

AUTO POSITION

To adjust the size or quality of the picture automatically:

Press the AUTO POSITION button.

Information

■ **AUTO POSITION ON setting**

When RGB (still picture) input
is selected ...... Fine Picture, Picture ADJ, Position, and Contrast will be adjusted automatically.

When RGB (motion picture),
VIDEO, or Y/Pb/Pr (component) input
is selected ...... The screen size switches to ZOOM mode automatically with the superimposed caption displayed fully only when the picture contains dark areas above and below the picture.

SLEEP/OFF TIMER

To set the off timer:

The off timer can be set to turn the power off after 30, 60, 90 or 120 minutes.

1. Press the SLEEP button to start the timer at 30 minutes.

2. Press the SLEEP button to the desired time.

3. The timer starts when the menu turns off.

→ **30 → 60 → 90 → 120 → 0**
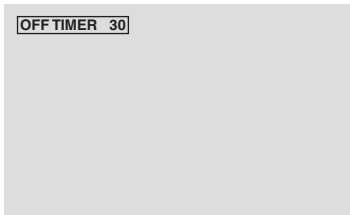
OFF TIMER 30

To check the remaining time:

1. Once the off timer has been set, press the SLEEP button once.

2. The remaining time is displayed, then turns off after a few seconds.

3. When five minutes remain the remaining time appears until it reaches zero.
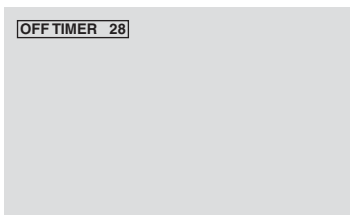
OFF TIMER 28

To cancel the off timer:

1. Press the SLEEP button twice in a row.

2. The off timer is canceled.

OFF TIMER 0

Note:

After the power is turned off with the off timer ...
A slight current is still supplied to the monitor. When you are leaving the room or do not plan to use the system for a long period of time, turn off the monitor's power using the Power Button located underneath the front panel.

Format Sizes

Format Operation (manual)

With this function, you can select one of six screen sizes.

When viewing videos or digital video discs

1. Press the FORMAT button on the remote control.

2. *Within 3 seconds ...*

   Press the FORMAT button again.

   The screen size switches as follows:

   → NARROW → STANDARD → STRETCH → EXPAND → ZOOM → 14:9 ⌐

   When a 720P or 1080I signal is input:

   STANDARD ↔ ZOOM

NARROW screen size (4:3)
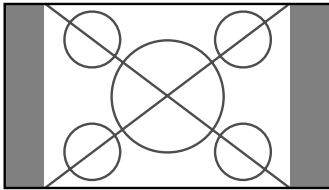
The NARROW screen size is displayed.
* The picture has the same size as video pictures with a 4 : 3 aspect ratio.

STANDARD screen size
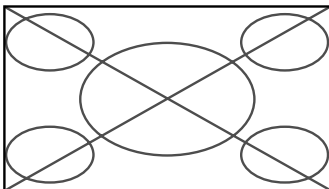
The image is expanded in the horizontal direction.
* Images compressed in the horizontal direction ("squeezed images") are expanded in the horizontal direction and displayed on the entire screen with correct linearity. (Normal images are expanded in the horizontal direction.)

STRETCH screen size
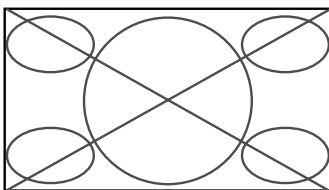
The picture is expanded in the horizontal and vertical directions at different ratios.
* Use this for watching normal video programs (4:3) with a wide screen.

EXPAND screen size
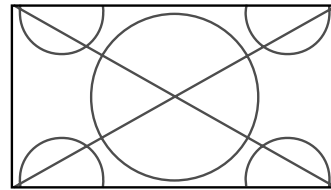
The picture is expanded in the horizontal and vertical direction, maintaining the original proportions.
* Use this for theater size (wide) movies, etc.

ZOOM screen size
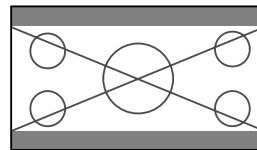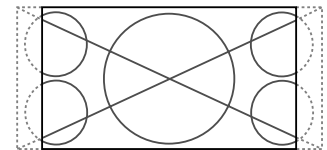
Original image   Information is lost on both sides.

The squeezed film image is expanded to fill the entire screen at a ratio of 2.35:1. Black bands do not appear at the top and bottom but information is lost on the left and right margins.
• This feature is available when the input signal is video, component (480I, 480P, 576I, 576P, 720P, 1080I) or RGB (525P or 625P signal from a scan converter).
* If black bands appear on the top and bottom in the full screen size, select the 2.35:1 size screen to avoid phosphor burn-in.

14:9 screen size
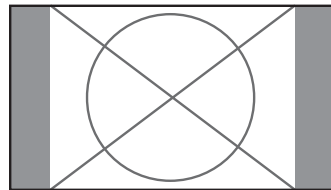
The image is displayed at a 14:9 aspect ratio.
* This feature is available when the input signal is video, component (480I, 480P, 576I, 576P) or RGB (525P or 625P signal from a scan converter).

WARNING

DO NOT OPERATE THE PLASMA DISPLAY IN NARROW (4:3) SCREEN SIZE MODE OR 14:9 SCREEN SIZE MODE FOR AN EXTENDED PERIOD. THE SIDE BARS CAN CAUSE PHOSPHOR BURN-IN.

Format Operation with Computer Signals

Switch to the wide screen mode to expand the 4 : 3 image to fill the entire screen.

1. Press the FORMAT button on the remote control.

2. *Within 3 seconds ...*

   Press the FORMAT button again.
   The screen size switches as follows:

   ⌐→ **NARROW → STANDARD → EXPAND** ⌐

NARROW screen size (4:3 or SXGA 5:4)
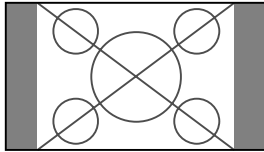
The picture has the same size as the normal computer image.

STANDARD screen size
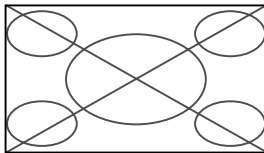
The image is expanded in the horizontal direction.

EXPAND screen size
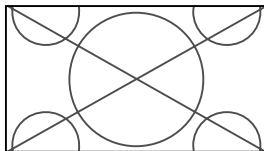
When wide signals are input.

STANDARD screen size
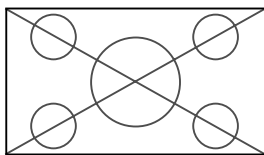
Information

■ **Supported resolution**

See page 40 for details on the display output of the various VESA signal standards supported by the monitor.

■ **When 852 (848) dot × 480 line wide VGA* signals with a vertical frequency of 60 Hz and horizontal frequency of 31.7 (31.0) kHz are input**

Select an appropriate setting for RGB SELECT mode referring to the "Table of Signals Supported" on page 40.

* "VGA", "SVGA" and "SXGA" are registered trademarks of IBM, Inc. of the United States.

WARNING

DO NOT OPERATE THE PLASMA DISPLAY IN NARROW (4:3) SCREEN SIZE MODE FOR AN EXTENDED PERIOD. THIS CAN CAUSE PHOSPHOR BURN-IN.

On-Screen Menu (OSM) Controls

Menu Operations

The following describes how to use the menus and the selected items. In the explanation, the menu section is shown close up.

1. Press the MENU/ENTER button on the remote control to display the MAIN MENU.

```
              MAIN MENU        1 / 2
VIDEO SETTINGS
AUDIO SETTINGS
MONITOR SETTINGS
OPTION1
OPTION2
OPTION3

    NEXT PAGE
 SEL.      MENU/ENTER OK     EXIT EXIT
```

```
              MAIN MENU        2 / 2
    PREVIOUS PAGE
LANGUAGE
COLOR SYSTEM
SOURCE INFORMATION



 SEL.      MENU/ENTER OK     EXIT EXIT
```
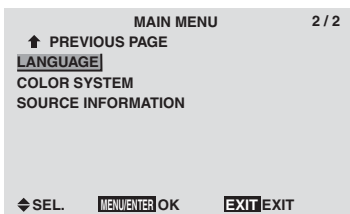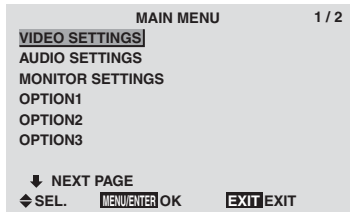
2. Press the ADJUST buttons ▲ ▼ on the remote control to highlight the menu you wish to enter.

3. Press the MENU/ENTER button on the remote control to select a sub menu or item.

```
         VIDEO SETTINGS      1 / 2
CONTRAST
BRIGHTNESS
SHARPNESS
COLOR
TINT
PICTURE MODE      :   NORMAL
NR                :   OFF
    NEXT PAGE
 SEL.    ◀▶ ADJ.       EXIT RETURN
```
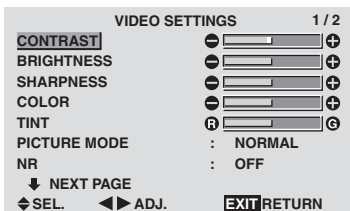
4. Adjust the level or change the setting of the selected item by using the ADJUST buttons ◀ ▶ on the remote control.

5. The adjustments or the settings are stored in memory. The change is stored until you make more modifications.

6. Repeat steps 2 – 5 to adjust an additional item, or press the EXIT button on the remote control to return to the main menu.

Note: *The main menu disappears by pressing the EXIT button.*

VIDEO Settings Menu

Adjusting the picture

The contrast, brightness, sharpness, color and tint can be adjusted as desired.

Example: Adjusting the contrast

1. On the MAIN MENU, select "VIDEO SETTINGS", then press the MENU/ENTER button.
   The "VIDEO SETTINGS" screen appears.

2. Use the ▲ and ▼ buttons to select "CONTRAST".

```
              VIDEO SETTINGS      1 / 2
CONTRAST             ⊖ ▭▭▭▭    ⊕
BRIGHTNESS           ⊖ ▭▭▭▭    ⊕
SHARPNESS            ⊖ ▭▭▭▭    ⊕
COLOR                ⊖ ▭▭▭▭    ⊕
TINT                 Ⓡ ▭▭▭▭    Ⓖ
PICTURE MODE          :   NORMAL
NR                    :   OFF
  ↓ NEXT PAGE
⬍SEL.    ◄►ADJ.       EXIT RETURN
```
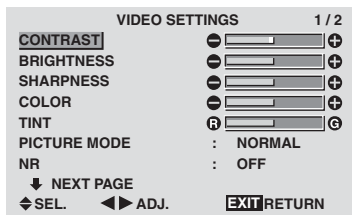
3. Use the ◄ and ► buttons to adjust the contrast.

```
CONTRAST             ⊖ ▭▭▭▭    ⊕
```

* If neither the ◄ or ► button is pressed within 5 seconds, the current setting is stored into memory and the previous screen reappears.

Note: *If "CAN NOT ADJUST" appears ...*
When trying to enter the VIDEO SETTINGS submenu, make sure PICTURE MODE is not set to DEFAULT.

Information

■ Video settings screen

CONTRAST .... Changes the picture's white level.
BRIGHTNESS .. Changes the picture's black level.
SHARPNESS .. Changes the picture's sharpness. Adjusts picture detail of VIDEO display.
COLOR .... Changes the color density.
TINT .... Changes the picture's tint. Adjust for natural colored skin, background, etc.

■ Adjusting the computer image

Only the contrast and brightness can be adjusted when a computer signal is connected.

■ Restoring the factory default settings

Select "DEFAULT" under the "PICTURE MODE" settings.

Setting the picture mode according to the brightness of the room

There are four picture modes that can be used effectively according to the environment in which you are viewing the display.

Example: Setting the "THEAT. 1" mode

1. On the MAIN MENU, select "VIDEO SETTINGS", then press the MENU/ENTER button.
   The "VIDEO SETTINGS" screen appears.

2. Use the ▲ and ▼ buttons to select "PICTURE MODE".

```
              VIDEO SETTINGS      1 / 2
CONTRAST             ⊖ ▭▭▭▭    ⊕
BRIGHTNESS           ⊖ ▭▭▭▭    ⊕
SHARPNESS            ⊖ ▭▭▭▭    ⊕
COLOR                ⊖ ▭▭▭▭    ⊕
TINT                 Ⓡ ▭▭▭▭    Ⓖ
PICTURE MODE          : ◄NORMAL►
NR                    :   OFF
  ↓ NEXT PAGE
⬍SEL.    ◄►ADJ.       EXIT RETURN
```
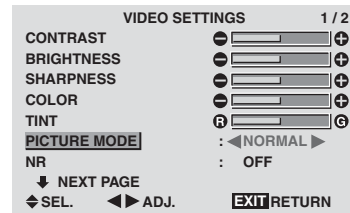
3. *To set to "THEAT. 1" ...*
   Use the ◄ and ► buttons to select "THEAT. 1".
   The mode switches as follows each time the ◄ or ► button is pressed:
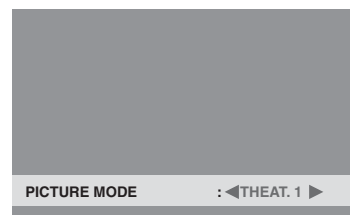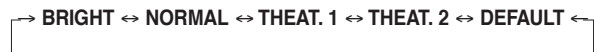
   ↱ BRIGHT ↔ NORMAL ↔ THEAT. 1 ↔ THEAT. 2 ↔ DEFAULT ↰

```
PICTURE MODE         : ◄THEAT. 1 ►
```

* If neither the ◄ or ► button is pressed within 5 seconds, the current selection is stored into memory and the previous screen reappears.

Information

■ Types of picture modes

THEAT. 1, 2 ...... Select this mode when watching video in a dark room.
This mode provides darker, finer pictures, like the screen in movie theaters.
For a darker image, select THEAT. 2.
NORMAL .... Select this mode when watching video in a bright room.
This mode provides dynamic pictures with distinct differences between light and dark sections.
BRIGHT .... This mode provides brighter pictures than NORMAL.
DEFAULT .... Use this to reset the picture to the factory default settings.

Reducing noise in the picture

Use these settings if the picture has noise due to poor reception or when playing video tapes with poor picture quality.

Example: Setting "NR-3"

1. On the MAIN MENU, select "VIDEO SETTINGS", then press the MENU/ENTER button.
   The "VIDEO SETTINGS" screen appears.

2. Use the ▲ and ▼ buttons to select "NR".

```
                VIDEO SETTINGS      1 / 2
   CONTRAST              ⊖ ▭▭▭▭▭ ⊕
   BRIGHTNESS           ⊖ ▭▭▭▭▭ ⊕
   SHARPNESS            ⊖ ▭▭▭▭▭ ⊕
   COLOR                ⊖ ▭▭▭▭▭ ⊕
   TINT                 ⓡ ▭▭▭▭▭ ⓖ
   PICTURE MODE         :   NORMAL
   NR                   : ◀OFF ▶
     ↓ NEXT PAGE
   ⇕ SEL.   ◀▶ ADJ.        EXIT RETURN
```
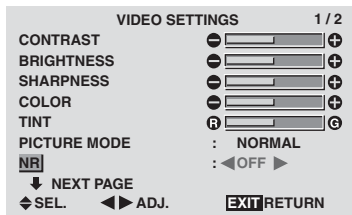
3. Use the ◀ and ▶ buttons to select "NR-3".
   The mode switches as follows each time the ◀ or ▶ button is pressed:

   → OFF ↔ NR-1 ↔ NR-2 ↔ NR-3 ←

```

   NR                    : ◀NR-3▶
```

* If neither the ◀ or ▶ button is pressed within 5 seconds, the current selection is stored into memory and the previous screen reappears.

Information

■ NR

* "NR" stands for Noise Reduction.
* This function reduces noise in the picture.

■ Types of noise reduction

There are three settings for noise reduction. Each has a different level of noise reduction.
The effect becomes stronger as the number increases (in the order NR-1 → NR-2 → NR-3).
OFF .... Turns the noise reduction function off.

Setting the color temperature

Use this procedure to set color tone produced by the plasma display.

Example: Setting "HIGH"

1. On the MAIN MENU, select "VIDEO SETTINGS", then press the MENU/ENTER button.
   The "VIDEO SETTINGS" screen appears.

2. Use the ▲ and ▼ buttons to select "NEXT PAGE".

3. Select "COLOR TEMP".

4. Use the ◀ and ▶ buttons to select "HIGH".
   The mode switches as follows each time the ◀ or ▶ button is pressed:

   → LOW ↔ MID LOW ↔ MEDIUM ↔ HIGH ←

* See below to set "WHITE BALANCE".
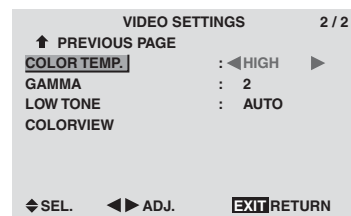
```
                VIDEO SETTINGS      2 / 2
     ↑ PREVIOUS PAGE
   COLOR TEMP.          : ◀HIGH   ▶
   GAMMA                :   2
   LOW TONE             :   AUTO
   COLORVIEW

   ⇕ SEL.   ◀▶ ADJ.        EXIT RETURN
```

* If neither the ◀ or ▶ button is pressed within 5 seconds, the current selection is stored into memory and the previous screen reappears.

Information

■ Setting the color temperature

LOW .... Redder
MID LOW .... Slightly redder
MEDIUM .... Standard (slightly bluer)
HIGH .... Bluer

■ Restoring the factory default settings

Select "ALL RESET" under the OPTION1 menu. Note that this also restores other settings to the factory defaults.

Adjusting the color to the desired level

Use this procedure to adjust the white balance for each color temperature to achieve the desired color quality.

Example: Adjusting the "GAIN RED" of "HIGH" color temperature

Perform Steps 1-4 of SETTING THE COLOR TEMPERATURE, then...

5. Press the MENU/ENTER button.
   The "WHITE BALANCE" screen appears.

6. Use the ▲ and ▼ buttons to select "GAIN RED".

```
                WHITE BALANCE
              COLOR TEMP. HIGH

   GAIN RED             ⊖ ▭▭▭▭▭ ⊕
   GAIN GREEN           ⊖ ▭▭▭▭▭ ⊕
   GAIN BLUE            ⊖ ▭▭▭▭▭ ⊕
   BIAS RED             ⊖ ▭▭▭▭▭ ⊕
   BIAS GREEN           ⊖ ▭▭▭▭▭ ⊕
   BIAS BLUE            ⊖ ▭▭▭▭▭ ⊕
   RESET                :   OFF
   ⇕ SEL.   ◀▶ ADJ.        EXIT RETURN
```

7. Adjust the white balance using the ◀ and ▶ buttons.

GAIN RED ⊖▭▭▭▭⊕

* If neither the ◀ or ▶ button is pressed within 5 seconds, the current setting is stored into memory and the previous screen reappears.

Information
■ Adjusting the white balance
GAIN R/G/B ..... White balance adjustment for signal level
BIAS R/G/B ..... White balance adjustment for black level
RESET .... Resets settings to the factory default values. Use ◀ and ▶ buttons to select "ON", then press the MENU/ENTER button.
■ Restoring the factory default settings
Select "RESET" under the WHITE BALANCE menu.

Changing the Gamma Curve
This feature adjusts the brightness of the midtone areas while keeping shadows and highlights unchanged.

Example: Setting "3"

1. On the MAIN MENU, select "VIDEO SETTINGS", then press the MENU/ENTER button.
   The "VIDEO SETTINGS" screen appears.

2. Use the ▲ and ▼ buttons to select "NEXT PAGE".

3. Use the ▲ and ▼ buttons to select "GAMMA".

4. Use the ◀ and ▶ buttons to select "3".
   The mode switches as follows each time the ◀ or ▶ button is pressed:

   → 1 ↔ 2 ↔ 3 ↔ 4 ←

```
              VIDEO SETTINGS        2 / 2
       ⬆ PREVIOUS PAGE
       COLOR TEMP.          :   MEDIUM
       GAMMA                :  ◀3▶
       LOW TONE             :   AUTO
       COLORVIEW


       ⬍ SEL.      ◀▶ ADJ.       EXIT RETURN
```
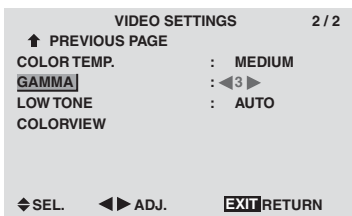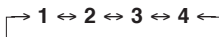
Information
■ GAMMA settings
The picture becomes darker as the number increases (in the sequence of 1, 2, 3, 4).

■ Restoring the factory default settings
Select "ALL RESET" under the OPTION1 menu. Note that this also restores other settings to the factory defaults.

Making the Low Tone adjustments
This feature allows more detailed tone to be reproduced especially in dark areas.

Example: Setting "2"

1. On the MAIN MENU, select "VIDEO SETTINGS", then press the MENU/ENTER button.
   The "VIDEO SETTINGS" screen appears.

2. Use the ▲ and ▼ buttons to select "NEXT PAGE".

3. Use the ▲ and ▼ buttons to select "LOW TONE".

3. Use the ◀ and ▶ buttons to select "2".
   The mode switches as follows each time the ◀ or ▶ button is pressed:

   → AUTO ↔ 1 ↔ 2 ↔ 3 ←

```
              VIDEO SETTINGS        2 / 2
       ⬆ PREVIOUS PAGE
       COLOR TEMP.          :   MEDIUM
       GAMMA                :   2
       LOW TONE             :  ◀2      ▶
       COLORVIEW


       ⬍ SEL.      ◀▶ ADJ.       EXIT RETURN
```

Information
■ LOW TONE settings

AUTO .... Will automatically appraise the picture and make adjustments.
1 .... Will apply the dither method suitable for still pictures.
2 .... Will apply the dither method suitable for motion pictures.
3 .... Will apply the error diffusion method.

■ Restoring the factory default settings
Select "ALL RESET" under the OPTION1 menu. Note that this also restores other settings to the factory defaults.

ColorView™

Use this procedure to adjust hue and color density for red, green, blue, yellow, magenta and cyan.
You can accentuate the green color of trees, the blue of the sky, etc.

Example: Adjusting the blue

1. On the MAIN MENU, select "VIDEO SETTINGS", then press the MENU/ENTER button.
   The "VIDEO SETTINGS" screen appears.

2. Use the ▲ and ▼ buttons to select "NEXT PAGE".

3. Use the ▲ and ▼ buttons to select "COLORVIEW", then press the MENU/ENTER button.
   The "COLORVIEW" screen appears.

4. Use the ▲ and ▼ buttons to select "BLUE".

5. Adjust using the ◄ and ► buttons.

```
                    COLORVIEW
RED              Y ▭▬▬▭ M
GREEN            C ▭▬▭ Y
BLUE             M ▭▬▭ C
YELLOW           G ▭▬▭ R
MAGENTA          R ▭▬▭ B
CYAN             B ▭▬▭ G
RESET            :   OFF

⬍ SEL.      ◄ ► ADJ.       EXIT RETURN
```
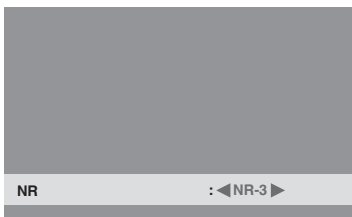
* If neither the ◄ or ► button is pressed within 5 seconds, the current selection is stored into memory and the previous screen reappears.

To continue making other adjustments...
Repeat from step 4.

```
┌─────────────────────────────────────────┐
│ Information                              │
│                                          │
│ ■ COLORVIEW settings                    │
│                                          │
│ RED ................Makes red's adjustment      │
│ GREEN ...........Makes green's adjustment    │
│ BLUE ...............Makes blue's adjustment      │
│ YELLOW .........Makes yellow's adjustment    │
│ MAGENTA ......Makes magenta's adjustment   │
│ CYAN ..............Makes cyan's adjustment       │
│ RESET ...........Resets settings to the factory default │
│                  value. Use ◄ and ► buttons to select │
│                  "ON", then press the MENU/ENTER │
│                  button.                          │
│                                          │
│ ■ Restoring the factory default settings │
│                                          │
│ Select "ALL RESET" under the OPTION1 menu. Note │
│ that this also restores other settings to the factory │
│ defaults.                                │
└─────────────────────────────────────────┘
```

Audio Settings Menu

Adjusting the treble, bass and left/right balance and audio input select

The treble, bass and left/right balance can be adjusted to suit your tastes.

Example: Adjusting the bass

1. On the MAIN MENU, select "AUDIO SETTINGS", then press the MENU/ENTER button.
   The "AUDIO SETTINGS" screen appears.

2. *To adjust the bass ...*
   Use the ▲ and ▼ buttons to select "BASS".

3. Adjust the bass using the ◄ and ► buttons.

```
              AUDIO SETTINGS
BASS              ⊖ ▭▬▬▭ ⊕
TREBLE            ⊖ ▭▬▬▭ ⊕
BALANCE           Ⓛ ▭▬▬▭ Ⓡ
AUDIO INPUT1      :   VIDEO1
AUDIO INPUT2      :   HD/DVD1
AUDIO INPUT3      :   RGB1


⬍ SEL.      ◄ ► ADJ.       EXIT RETURN
```

To continue adjusting the audio ...
Repeat from step 2.

```
┌─────────────────────────────────────────┐
│ Note : If "CAN NOT ADJUST" appears...     │
│ Set "AUDIO INPUT" on the AUDIO menu correctly. │
└─────────────────────────────────────────┘
```

```
┌─────────────────────────────────────────┐
│ Information                              │
│                                          │
│ ■ Audio settings menu                    │
│                                          │
│ BASS ..............Controls the level of low frequency │
│                    sound.                        │
│ TREBLE ..........Controls the level of high frequency │
│                    sound.                        │
│ BALANCE .......Controls the balance of the left and │
│                    right channels.               │
│                                          │
│ ■ Restoring the factory default settings │
│                                          │
│ Select "ALL RESET" under the OPTION1 menu. Note │
│ that this also restores other settings to the factory │
│ defaults.                                │
└─────────────────────────────────────────┘
```
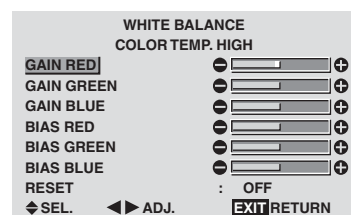
Setting the allocation of the audio connectors

Setting the AUDIO 1, 2, and 3 connectors to the desired input.

Example: Setting "AUDIO INPUT1" to "VIDEO 2"

1. On the MAIN MENU, select "AUDIO SETTINGS", then press the MENU/ENTER button.
   The "AUDIO SETTINGS" screen appears.

2. Use the ▲ and ▼ buttons to select "AUDIO INPUT1".

3. *To set the AUDIO INPUT1 to "VIDEO2"...*
   Use the ◀ and ▶ buttons to select "VIDEO2".
   The mode switches as follows each time the ◀ or ▶ button is pressed:
   The available sources depend on the setting of "BNC INPUT".

RGB: VIDEO1 ↔ VIDEO2 ↔ VIDEO3 ↔ HD/DVD1
     → MONLINK ↔ RGB2 ↔ RGB1 ←

COMP.: VIDEO1 ↔ VIDEO2 ↔ VIDEO3 ↔ HD/DVD1
       → MONLINK ↔ RGB1 ↔ HD/DVD2 ←

```
              AUDIO SETTINGS
BASS                    ⊖▭▭▭░░⊕
TREBLE                  ⊖▭▭▭░░⊕
BALANCE                 Ⓛ▭▭▭░░Ⓡ
AUDIO INPUT1          : ◀VIDEO2 ▶
AUDIO INPUT2         :   HD/DVD1
AUDIO INPUT3         :   RGB1

⬍SEL.      ◀▶ADJ.      EXIT RETURN
```

Information

■ **AUDIO INPUT**

A single audio input cannot be selected as the audio channel for more than one input terminal.

■ **Restoring the factory default settings**
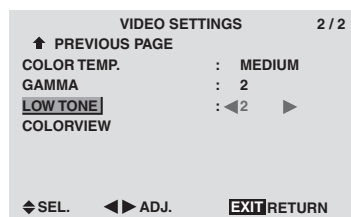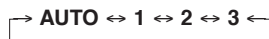
Select "ALL RESET" under the OPTION1 menu. Note that this also restores other settings to the factory defaults.
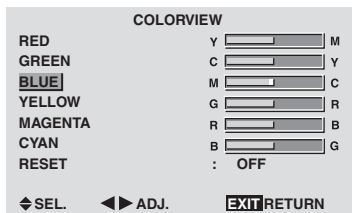
Monitor Settings Menu

Adjusting the Position, Size, Fine Picture, Picture Adj

The position of the image can be adjusted and flickering of the image can be corrected.

Example: Adjusting the vertical position in the NARROW mode

1. On the MAIN MENU, select "MONITOR SETTINGS", then press the MENU/ENTER button.

   The "MONITOR SETTINGS" menu appears.

   (only for RGB/PC setting)

```
              MONITOR SETTINGS
ASPECT MODE          : ◀NARROW▶
V-POSITION              ⊖▭▭▭░░⊕
H-POSITION             ⊖▭▭▭░░⊕
V-HEIGHT               ⊖▭░░░░⊕
H-WIDTH                ⊖▭░░░░⊕
AUTO PICTURE         :   OFF
FINE PICTURE           ⊖▭▭░░░⊕
PICTURE ADJ.           ⊖▭▭▭▭░⊕
⬍SEL.      ◀▶ADJ.      EXIT RETURN
```
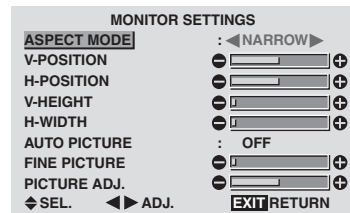
* The settings on the MONITOR SETTINGS menu are not preset at the factory.

To select a mode ...
Use the ◀ and ▶ buttons to select a mode.
The mode switches as follows each time the ◀ or ▶ button is pressed:

NARROW ↔ STANDARD

* The mode can also be switched by pressing the FORMAT button on the remote control.

2. *To adjust the vertical position ...*
   Use the ▲ and ▼ buttons to select "V-POSITION".

```
              MONITOR SETTINGS
ASPECT MODE          :   NARROW
V-POSITION             ⊖▭▭░░░⊕
H-POSITION             ⊖▭▭▭░░⊕
V-HEIGHT               ⊖▭░░░░⊕
H-WIDTH                ⊖▭░░░░⊕
AUTO PICTURE         :   OFF
FINE PICTURE           ⊖▭▭░░░⊕
PICTURE ADJ.           ⊖▭▭▭▭░⊕
⬍SEL.      ◀▶ADJ.      EXIT RETURN
```
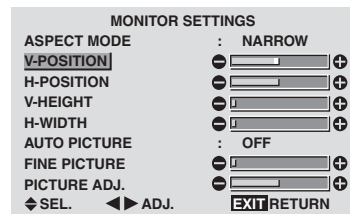
3. Adjust using the ◀ and ▶ buttons.

```

V-POSITION             ⊖▭▭▭░░⊕
```

* If neither the ◀ or ▶ button is pressed within 5 seconds, the current setting is stored into memory and the previous screen reappears.

To continue making other computer image adjustments ...
Repeat from step 2.

Information

■ When "AUTO PICTURE" is "OFF"

```
              MONITOR SETTINGS
ASPECT MODE          : ◀STANDARD▶
V-POSITION           ⊖▭▭▭▭⊕
H-POSITION           ⊖▭▭▭▭⊕
V-HEIGHT             ⊖▭▭▭▭⊕
H-WIDTH              ⊖▭▭▭▭⊕
AUTO PICTURE
FINE PICTURE         ⊖▭▭▭▭⊕
PICTURE ADJ.         ⊖▭▭▭▭⊕
⇕SEL.    ◀▶ADJ.      EXIT RETURN
```
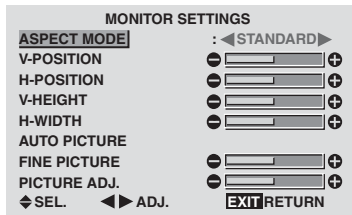
When Auto Picture is off, the Fine Picture and the Picture ADJ. items are displayed so that you can adjust them.

■ Adjusting the Auto Picture

ON .... The Picture ADJ., Fine Picture and Position adjustments are made automatically.
Not available for digital ZOOM.

OFF .... The Picture ADJ., Fine Picture and Position adjustments are made manually.

* If FINE PICTURE can't be adjusted, set AUTO PICTURE to OFF and adjust manually.

■ Adjusting the position of the image

V-POSITION ... Adjusts the vertical position of the image.

H-POSITION ... Adjusts the horizontal position of the image.

V-HEIGHT .... Adjusts the vertical size of the image. (Except for STRETCH mode)

H-WIDTH .... Adjusts the horizontal size of the image. (Except for STRETCH mode)

FINE PICTURE* .. Adjusts for flickering.

PICTURE ADJ.* ... Adjusts for striped patterns on the image.

* The PICTURE ADJ. and FINE PICTURE features are available only when the AUTO PICTURE is off.

* The AUTO PICTURE, FINE PICTURE and PICTURE ADJ. are available only for RGB signals.
These features are not available for moving pictures on VIDEO, HD/DVD or RGB.

■ Restoring the factory default settings

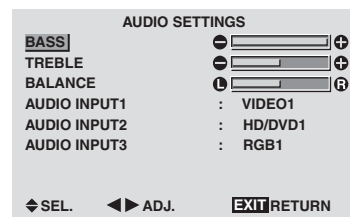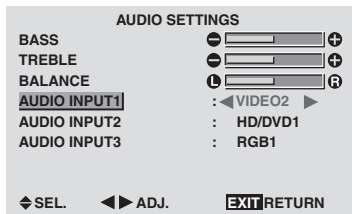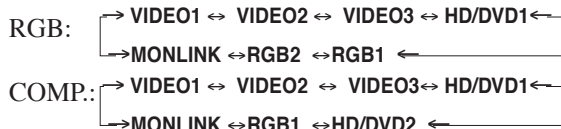Select "ALL RESET" under the OPTION1 menu. Note that this also restores other settings to the factory defaults except for Auto Picture.

Option1 Settings Menu

Setting the on-screen menu

This sets the position of the menu, the display format (horizontal or vertical) etc.

Example: Turning the DISPLAY MENU off

1. On the MAIN MENU, select "OPTION1", then press the MENU/ENTER button.
The "OPTION1" menu appears.

2. Use the ▲ and ▼ buttons to select "MENU", then press the MENU/ENTER button.
The "MENU" menu appears.

3. Use the ▲ and ▼ buttons to select "DISPLAY MENU".

4. *To set the DISPLAY MENU to "OFF"...*
Use the ◀ and ▶ buttons to select "OFF".
The mode switches as follows each time the ◀ or ▶ button is pressed:

ON ↔ OFF

```
                    MENU
DISPLAY MENU         : ◀OFF▶
MENU ADJUST          :   1
MENU ORBITER         :  OFF



⇕SEL.    ◀▶ADJ.      EXIT RETURN
```
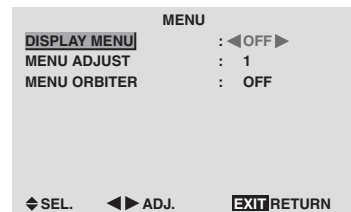
Information

■ DISPLAY MENU settings

ON .... The on-screen menu appears.
OFF .... The on-screen menu does not appear.
If you press the INFO button on the remote control for more than 3 seconds the main menu will appear and can be set (although it is not ON).

■ MENU ADJUST settings

Adjusts the screen position of the menu.
The position can be set between 1 to 6.

```
┌─────┬─────┬─────┐
│  1  │  2  │  3  │
├─────┼─────┼─────┤
│  4  │  5  │  6  │
└─────┴─────┴─────┘
```
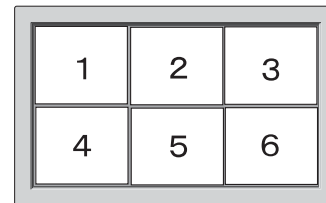
■ MENU ORBITER settings

ON .... The position of the menu will be shifted by eight dots each time it is displayed.

OFF ...... The on-screen menu (OSM) will be displayed at the same position.

■ Restoring the factory default settings

Select "ALL RESET" under the OPTION1 menu. Note that this also restores other settings to the factory defaults except for AUTO PICTURE.

Setting the BNC connectors

Select whether to set the input of the 5 BNC connectors to RGB or component.

Example: Set the BNC INPUT mode to "COMP."

1. On the MAIN MENU, select "OPTION1", then press the MENU/ENTER button.
   The "OPTION1" screen appears.

2. Use the ▲ and ▼ buttons to select "BNC INPUT".

3. *To set the BNC INPUT mode to "COMP."...*
   Use the ◄ and ► buttons to select "COMP.".
   The mode switches as follows each time the ◄ or ► button is pressed:

   RGB ↔ COMP.

```
                OPTION1          1 / 3
   MENU
   BNC INPUT           : ◄COMP.  ►
   RGB SELECT          :  AUTO
   HD SELECT           :  1080B
   INPUT SKIP          :  OFF
   ALL RESET           :  OFF

     ↓ NEXT PAGE
   ⬍ SEL.    ◄► ADJ.      EXIT RETURN
```
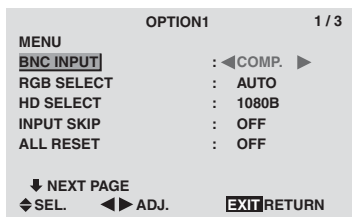
Information

■ BNC INPUT Settings

RGB .... Use the 5BNC terminals for RGB input.
COMP. ...... Use the 3BNC terminals for component input.

■ Restoring the factory default settings

Select "ALL RESET" under the OPTION1 menu. Note that this also restores other settings to the factory defaults.

Setting a computer image to the correct RGB select screen

Example: Setting the "RGB SELECT" mode to "MOTION "

1. On the MAIN MENU, select "OPTION1", then press the MENU/ENTER button.
   The "OPTION1" screen appears.

2. Use the ▲ and ▼ buttons to select "RGB SELECT".

3. *To set the RGB select mode to "MOTION" ...*
   Use the ◄ and ► buttons to select "MOTION".
   The mode switches as follows each time the ◄ or ► button is pressed:

   → **AUTO ↔ STILL ↔ MOTION ↔ WIDE1 ↔ WIDE2 ↔ DTV** ←

```
                OPTION1          1 / 3
   MENU
   BNC INPUT           :  RGB
   RGB SELECT          : ◄MOTION►
   HD SELECT           :  1080B
   INPUT SKIP          :  OFF
   ALL RESET           :  OFF

     ↓ NEXT PAGE
   ⬍ SEL.    ◄► ADJ.      EXIT RETURN
```

Information

■ RGB SELECT modes

One of these 6 modes must be selected in order to display the following signals correctly.

AUTO .... Select the suitable mode for the specifications of input signals as listed in the table "Table of Signals Supported" on page 40.

STILL .... To display VESA standard signals. (Use this mode for a still image from a computer.)

MOTION .... The video signal (from a scan converter) will be converted to RGB signals to make the picture more easily viewable. (Use this mode for a motion image from a computer.)

WIDE1 .... When an 852 dot × 480 line signal with a horizontal frequency of 31.7kHz is input, the image may be compressed horizontally. To prevent this, set RGB SELECT to WIDE1.

WIDE2 .... When an 848 dot × 480 line signal with a horizontal frequency of 31.0 kHz is input, the image may be compressed horizontally. To prevent this, set RGB SELECT to WIDE2.

DTV .... Set this mode when watching digital broadcasting (480P).

See page 40 for the details of the above settings.

■ Restoring the factory default settings

Select "ALL RESET" under the OPTION1 menu. Note that this also restores other settings to the factory defaults.

Setting high definition images to the suitable screen size

Use this procedure to set whether the number of vertical lines of the input high definition image is 1035 or 1080.

Example: Setting the "1080B" mode to "1035I"

1. On the MAIN MENU, select "OPTION1", then press the MENU/ENTER button.
   The "OPTION1" screen appears.

2. Use the ▲ and ▼ buttons to select "HD SELECT".

3. *To set the HD SELECT mode to "1035I" ...*
   Use the ◄ and ► buttons to select "1035I".
   The mode switches as follows each time the ◄ or ► button is pressed:

   →**1080B ↔ 1035I ↔ 1080A** ←

```
              OPTION1          1 / 3
MENU
BNC INPUT              :   RGB
RGB SELECT            :   AUTO
HD SELECT            : ◄1035 I ►
INPUT SKIP           :   OFF
ALL RESET            :   OFF

    ↓ NEXT PAGE
⬍SEL.      ◄►ADJ.       EXIT RETURN
```
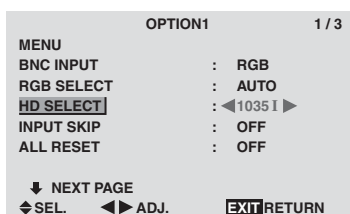
Information

■ HD SELECT modes

1080B .... Standard digital broadcasts

1035I .... Japanese "High Vision" signal format

1080A .... Special Digital broadcasts (for example : DTC100)

Setting the Input Skip

When this is ON, inputs with signals which are not present will be skipped over and inputs whose signals are being transmitted will be displayed.

This setting is valid only for the INPUT SELECT button on the unit.

Example: Set to "ON"

1. On the MAIN MENU, select "OPTION1", then press the MENU/ENTER button.
   The "OPTION1" screen appears.

2. Use the ▲ and ▼ buttons to select "INPUT SKIP".

3. *To set the INPUT SKIP mode to "ON"...*
   Use the ◄ and ► buttons to select "ON".
   The mode switches as follows each time the ◄ or ► button is pressed:

   OFF ↔ ON

```
              OPTION1          1 / 3
MENU
BNC INPUT              :   RGB
RGB SELECT            :   AUTO
HD SELECT            :   1080B
INPUT SKIP           : ◄ON ►
ALL RESET            :   OFF

    ↓ NEXT PAGE
⬍SEL.      ◄►ADJ.       EXIT RETURN
```
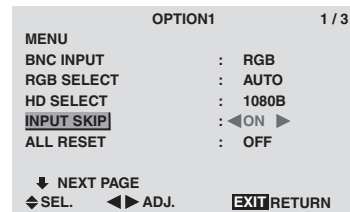
Information

■ INPUT SKIP settings

OFF .... Regardless of the presence of the signal, scan and display all inputs.

ON .... If no input signal is present, skip that input.

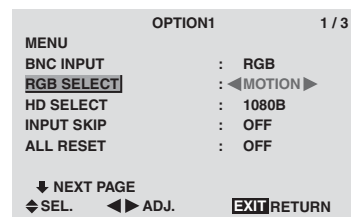* "SETTING NOW" will appear during the input search.

■ Restoring the factory default settings

Select "ALL RESET" under the OPTION1 menu. Note that this also restores other settings to the factory defaults.

Resetting to the default values

Use this operation to restore all the settings (PICTURE, AUDIO, IMAGE ADJUST, OPTION1~3, etc) to the factory default values.

1. On the MAIN MENU, select "OPTION1", then press the MENU/ENTER button.
   The "OPTION1" screen appears.

2. Use the ▲ and ▼ buttons to select "ALL RESET".

```
              OPTION1          1 / 3
MENU
BNC INPUT           :    RGB
RGB SELECT          :    AUTO
HD SELECT           :    1080B
INPUT SKIP          :    OFF
ALL RESET           : ◄OFF►

    ↓ NEXT PAGE
⬍SEL.      ◄►ADJ.       EXIT RETURN
```

3. Use the ◄ and ► buttons to select "ON", then press the MENU/ENTER button.

```
              OPTION1          1 / 3
MENU
BNC INPUT           :    RGB
RGB SELECT          :    AUTO
HD SELECT           :    1080B
INPUT SKIP          :    OFF
ALL RESET           : ◄ON  ►

    ↓ NEXT PAGE
⬍SEL.     MENU/ENTER OK      EXIT RETURN
```

```
              ALL RESET


           SETTING NOW
```

When the "SETTING NOW" screen disappears, all the settings have been restored to their default values.

Option2 Settings Menu

Setting the power management for computer images

This energy-saving (power management) function automatically reduces the monitor's power consumption if no operation is performed for a certain amount of time.

Example: Turning the power management function on

1. On the MAIN MENU, select "OPTION2", then press the MENU/ENTER button.
   The "OPTION2" screen appears.

2. Use the ▲ and ▼ buttons to select "PWR. MGT.".

3. *To turn the power management function on ...*
   Use the ◄ and ► buttons to select "ON".
   The mode switches as follows each time the ◄ or ► button is pressed:

   ON ↔ OFF

```
              OPTION2          2 / 3
    ↑ PREVIOUS PAGE
PWR. MGT.           : ◄ON  ►
FILM MODE           :    ON
LONG LIFE
GRAY LEVEL          :    2
S1/S2               :    OFF

    ↓ NEXT PAGE
⬍SEL.      ◄►ADJ.       EXIT RETURN
```
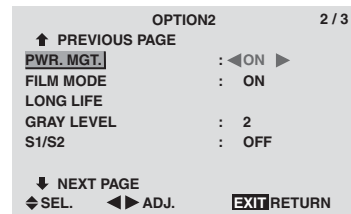
Information

■ Power management function

* The power management function automatically reduces the monitor's power consumption if the computer's keyboard or mouse is not operated for a certain amount of time. This function can be used when using the monitor with a computer.

* If the computer's power is not turned on the system is set to the off state.

* For instructions on using the computer's power management function, refer to the computer's operating instructions.

■ Power management settings

ON .... In this mode the power management function is turned on.

OFF ...... In this mode the power management function is turned off.

■ Power management function and POWER/STANDBY indicator

The POWER/STANDBY indicator indicates the status of the power management function. See page 25 for indicator status and description.

■ Restoring the factory default settings

Select "ALL RESET" under the OPTION1 menu. Note that this also restores other settings to the factory defaults.

POWER/STANDBY indicator

Power management mode	POWER/ STANDBY indicator	Power management operating status	Description	Turning the picture back on
On	Green	Not activated.	Horizontal and vertical synchronizing signals are present from the computer.	Picture already on.
Off	Red	Activated.	Horizontal and/or vertical synchronizing signals are not sent from the computer.	Operate the keyboard or mouse. The picture reappears.

Setting the picture to suit the movie

The film image is automatically discriminated and projected in an image mode suited to the picture. [NTSC, PAL, PAL60, 480I (60Hz), 525I (60Hz), 576I (50Hz), 625I (50Hz), 1035I (60Hz), 1080I (60Hz) only]

Example: Setting the "FILM MODE" to "OFF"

1. On the MAIN MENU, select "OPTION2", then press the MENU/ENTER button.
   The "OPTION2" screen appears.

2. Use the ▲ and ▼ buttons to select "FILM MODE".

3. *To set the FILM MODE to "OFF" ...*
   Use the ◀ and ▶ buttons to select "OFF".
   The mode switches as follows each time the ◀ or ▶ button is pressed:

   ON ↔ OFF

```
                    OPTION2          2 / 3
              ↑ PREVIOUS PAGE
        PWR. MGT.              :   OFF
        FILM MODE             : ◀OFF ▶
        LONG LIFE
        GRAY LEVEL            :   2
        S1/S2                 :   OFF

              ↓ NEXT PAGE
        ⬦SEL.    ◀▶ ADJ.      EXIT RETURN
```
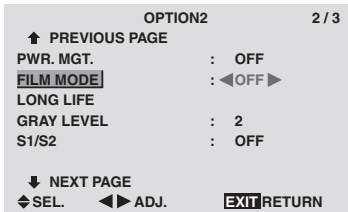
Information

■ FILM MODE

ON .... Automatic discrimination of the image and projection in FILM MODE.

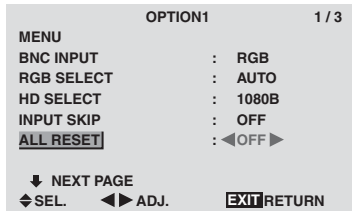OFF .... FILM MODE does not function.

■ Restoring the factory default settings

Select "ALL RESET" under the OPTION1 menu. Note that this also restores other settings to the factory defaults.
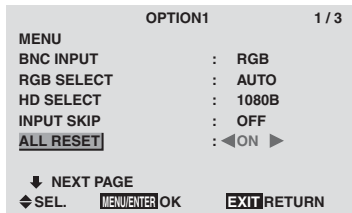

Reducing burn-in of the screen

1. On the MAIN MENU, select "OPTION2", then press the MENU/ENTER button.
   The "OPTION2" screen appears.

2. Use the ▲ and ▼ buttons to select "LONG LIFE", then press the MENU/ENTER button.
   The "LONG LIFE" screen appears.

```
                    LONG LIFE
        PEAK BRIGHT           : ◀AUTO  ▶
        ORBITER               :   OFF
        INVERSE               :   OFF
        SOFT FOCUS            :   OFF



        ⬦SEL.    ◀▶ ADJ.      EXIT RETURN
```
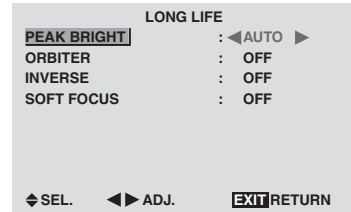
3. Set the LONG LIFE mode using ▲▼◀ and ▶ buttons.
   See below to set PEAK BRIGHT.
   See page 26 to set ORBITER.
   See page 26 to set INVERSE.
   See page 28 to set SOFT FOCUS.

Information

■ Restoring the factory default settings

Select "ALL RESET" under the OPTION1 menu. Note that this also restores other settings to the factory defaults.

PEAK BRIGHT

Use this to activate the brightness limiter.

Example: Setting "PEAK BRIGHT" to "LOCK1"

Perform Steps 1-2 of Reducing burn-in of the screen, then...

3. Use the ▲ and ▼ buttons to select "PEAK BRIGHT".

4. Use the ◀ and ▶ buttons to select "LOCK1".
   The mode switches as follows each time the ◀ or ▶ button is pressed:

   AUTO ↔ LOCK1 ↔ LOCK2 ↔ LOCK3

```
                    LONG LIFE
        PEAK BRIGHT           : ◀LOCK1 ▶
        ORBITER               :   OFF
        INVERSE               :   OFF
        SOFT FOCUS            :   OFF



        ⬦SEL.    ◀▶ ADJ.      EXIT RETURN
```

Information

■ PEAK BRIGHT settings

AUTO .... The brightness of the screen is adjusted automatically to suit the picture quality.

LOCK1, 2, 3 .... Sets maximum brightness.
The brightness level decreases in the order of LOCK 1, 2, 3. LOCK 3 provides minimum brightness.

ORBITER

ORBITER - Uneven phosphor aging/burn-in reduction feature. To minimize the risk of uneven phosphor aging/burn-in when displaying still images, the Mitsubishi PD-5030 and PD-6130 offers a built-in feature known as ORBITER. The ORBITER feature intermittently shifts the screen image horizontally and vertically in small increments. This intermittent screen movement is usually not evident in full motion video. In some instances the ORBITER shift might be evident while displaying static guides or menus. The default setting for ORBITER is On (AUTO1). Mitsubishi chose this setting to help reduce uneven phosphor aging. Please do not shut the ORBITER off.

Example: Setting "ORBITER" to "OFF"

Perform Steps 1-2 of Reducing burn-in of the screen, then...

3. Use the ▲ and ▼ buttons to select "ORBITER".

4. Use the ◄ and ► buttons to select "OFF".
   The mode switches as follows each time the ◄ or ► button is pressed:

   →OFF ↔ AUTO1 ↔ AUTO2 ↔ MANUAL←

   ```
                    LONG LIFE
   PEAK BRIGHT       :    AUTO
   ORBITER           :  ◄OFF ►
   INVERSE           :    OFF
   SOFT FOCUS        :    OFF



   ⬍ SEL.      ◄► ADJ.        EXIT RETURN
   ```
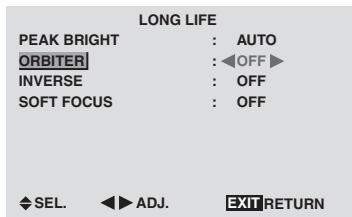
Information

■ ORBITER settings

OFF .... ORBITER mode does not function.

AUTO1 .... When a RGB signal is input, the picture moves around the screen intermittently, making the picture smaller.
When a Video or DVD/HD/DTV signal is input, the picture moves around the screen intermittently. But in this case, it will affect only the moving picture and will not make the screen smaller.

AUTO2 .... When a RGB signal is input, the picture moves around the screen intermittently, making the picture bigger.
When a Video or DVD/HD/DTV signal is input, the picture moves around the screen intermittently. But in this case, it will affect only the moving picture and will not make the screen bigger.

MANUAL ...... User can adjust the ORBITER functions (Horizontal Dot, Vertical Line and Time) manually. See the following explanation.

Adjust the ORBITER function manually

Set the amount of shift and the time between movement.

Example: Setting so that the picture moves 2 dots horizontally and 3 lines vertically every 3 minutes.

Perform Steps 1-3 of ORBITER, then...

4. Use the ◄ and ► buttons to select "MANUAL", Then press the MENU/ENTER button.
   The "ORBITER" screen appears.

5. Adjust the items using the ▲▼◄ and ► buttons.
   The mode switches as follows each time the ◄ or ► button is pressed:

   • H-DOT

   →1 DOT ↔ 2 DOT ↔ ..... ↔ 19 DOT ↔ 20 DOT←

   • V-LINE

   →1 LINE ↔ 2 LINE ↔ ..... ↔ 19 LINE ↔ 20 LINE←

   • TIME

   →1 M ↔ 2 M ↔ 3 M ↔ 4 M ↔ 5 M←

   ```
                    ORBITER
   H-DOT             :  ◄2 DOT ►
   V-LINE            :    4 LINE
   TIME              :    3 M



   ⬍ SEL.      ◄► ADJ.        EXIT RETURN
   ```
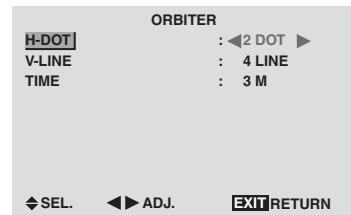
Information

■ ORBITER Function settings

H-DOT .... Moves from 1 to 20 dots in the horizontal direction.
V-LINE .... Moves from 1 to 20 lines in the vertical direction.
TIME .... Interval of 1~5 minutes (1 horizontal dot or 1 vertical line per interval).

INVERSE

Use this to set the inverse mode or to display a white screen.

Example: Setting "INVERSE" to "WHITE"

Perform Steps 1-2 of Reducing burn-in of the screen, then...

3. Use the ▲ and ▼ buttons to select "INVERSE".

4. Use the ◄ and ► buttons to select "WHITE".
   The mode switches as follows each time the ◄ or ► button is pressed:

   →OFF ↔ ON ↔ WHITE←
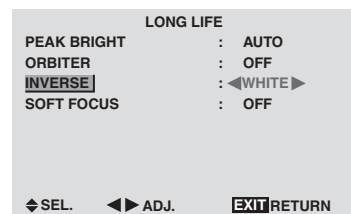
   ```
                    LONG LIFE
   PEAK BRIGHT       :    AUTO
   ORBITER           :    OFF
   INVERSE           :  ◄WHITE ►
   SOFT FOCUS        :    OFF



   ⬍ SEL.      ◄► ADJ.        EXIT RETURN
   ```

Setting the time for INVERSE/WHITE

Set a time duration.

Example: Set the INVERSE mode to start in 2 hours and proceed for one and a half hours.

1. On the Main Menu, select "OPTION 2", then press the MENU/ENTER button. The "OPTION 2" screen appears.

2. Use the ▲ and ▼ buttons to select "LONG LIFE", then press the MENU/ENTER button.
   The "LONG LIFE" screen appears.

3. Use the ▲ and ▼ buttons to select "INVERSE".

4. Use the ◀ and ▶ buttons to select "ON", then press the MENU/ENTER button.
   The "INVERSE/WHITE" screen appears.

5. Adjust the time using the ▲▼◀ and ▶ buttons.
   The mode switches as follows each time the ◀ or ▶ button is pressed:
   • WORKING TIME

   →ON ↔ 00H03M ↔ 00H06M ↔ ..... ↔ 12H42M ↔ 12H45M←

   • WAITING TIME

   →00H03M ↔ 00H06M ↔ 00H09M ↔ ... ↔ 12H42M ↔ 12H45M←

```
                    INVERSE/WHITE
WORKING TIME          : ◀01H30M ▶
WAITING TIME          :  02H00M




 ⬍SEL.       ◀▶ADJ.        EXIT RETURN
```

SOFT FOCUS

Reduces edges and softens the image.

Example: Setting "SOFT FOCUS" to "2"

1. On the MAIN MENU, select "OPTION2", then press the MENU/ENTER button.
   The "OPTION2" screen appears.

2. Use the ▲ and ▼ buttons to select "LONG LIFE", then press the MENU/ENTER button. The "LONG LIFE" screen appears.

3. Use the ▲ and ▼ buttons to select "SOFT FOCUS".

4. Use the ◀ and ▶ buttons to select "2".
   The mode switches as follows each time the ◀ or ▶ button is pressed:

   ┌→ **OFF ⇔ 1 ⇔ 2 ⇔ 3 ⇔ 4** ┐

```
                    LONG LIFE
        PEAK BRIGHT          :   AUTO
        ORBITER              :   OFF
        INVERSE              :   OFF
        SOFT FOCUS           :◀2▶



        ⬍SEL.      ◀▶ADJ.        EXIT RETURN
```
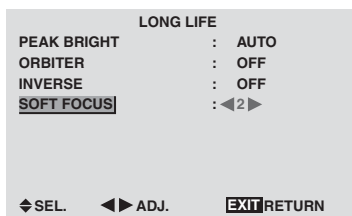
Information

■ SOFT FOCUS settings

OFF .... Turns the SOFT FOCUS function off.
1, 2, 3, 4 ..... Activates the SOFT FOCUS setting. The higher numbers create a softer image.

Setting the gray level for the sides of the screen

Use this procedure to set the gray level for the parts on the screen on which nothing is displayed when the screen is set to the 4:3 size.

Example: Adjusting the "GRAY LEVEL"

1. On the MAIN MENU, select "OPTION2", then press the MENU/ENTER button.
   The "OPTION2" screen appears.

2. Use the ▲ and ▼ buttons to select "GRAY LEVEL".

3. *To adjust the "GRAY LEVEL"*...
   Use the ◀ and ▶ buttons to adjust the GRAY LEVEL.

```
                    OPTION2          2 / 3
        ⬆ PREVIOUS PAGE
        PWR. MGT.            :   OFF
        FILM MODE            :   ON
        LONG LIFE
        GRAY LEVEL           :◀2 ▶
        S1/S2                :   OFF

        ⬇ NEXT PAGE
        ⬍SEL.      ◀▶ ADJ.       EXIT RETURN
```
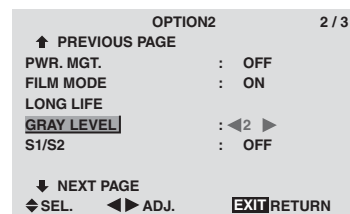
Information

■ GRAY LEVEL settings

This adjusts the brightness of the black (the gray level) for the sides of the screen.
The level can be adjusted from 0 to 15. The factory setting is 2 (gray). This setting helps minimize uneven phosphor aging.

■ Restoring the factory default settings

Select "ALL RESET" under the OPTION1 menu. Note that this also restores other settings to the factory defaults.

Setting the screen size for S1/S2 video input

If the S-video signal contains screen size information, the image will be automatically adjusted to fit the screen when this S1/S2 is set to AUTO.
This feature is available only when an S-video signal is input via the VIDEO3 terminal.
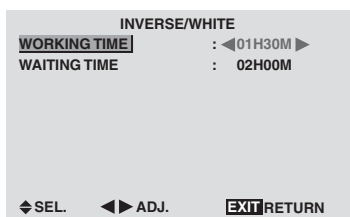
Example: Setting the "S1/S2" to "AUTO"

1. On the MAIN MENU, select "OPTION2", then press the MENU/ENTER button.
   The "OPTION2" screen appears.

2. Use the ▲ and ▼ buttons to select "S1/S2".

3. Use the ◀ and ▶ buttons to select "AUTO".
   The mode switches as follows each time the ◀ or ▶ button is pressed:
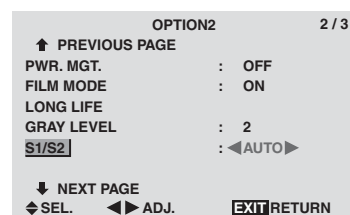
   OFF ⇔ AUTO

```
                    OPTION2          2 / 3
        ⬆ PREVIOUS PAGE
        PWR. MGT.            :   OFF
        FILM MODE            :   ON
        LONG LIFE
        GRAY LEVEL           :   2
        S1/S2                :◀AUTO▶

        ⬇ NEXT PAGE
        ⬍SEL.      ◀▶ADJ.        EXIT RETURN
```

Setting the signal and black level for DVI signal

Choose the signal for the DVI connector (PC or STB/DVD) and set the black level.

Example: Setting the "PLUG/PLAY" mode to "STB/DVD"

1. On the MAIN MENU, select "OPTION2", then press the MENU/ENTER button.
   The "OPTION2" screen appears.

2. Use the ▲ and ▼ buttons to select "DVI SET UP", then press the MENU/ENTER button.
   The "DVI SET UP" screen appears.

3. *To set PLUG/PLAY mode to "STB/DVD"...*
   Use the ◄ and ► buttons to select "STB/DVD".
   The mode switches as follows each time the ◄ or ► button is pressed:
   PLUG/PLAY: **PC ↔ STB/DVD**
   BLACK LEVEL: **LOW ↔ HIGH**
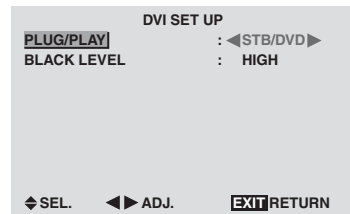
```
                    DVI SET UP
PLUG/PLAY                : ◄STB/DVD►
BLACK LEVEL             :   HIGH




 ⬍SEL.       ◄►ADJ.        EXIT RETURN
```

Option3 Settings Menu
Using the timer

This function sets the monitor to turn ON/OFF automatically at a set time.

1. On the MAIN MENU, select "OPTION3", then press the MENU/ENTER button.
   The "OPTION3" screen appears.

2. Use the ▲ and ▼ buttons to select "TIMER", then press the MENU/ENTER button.
   The "TIMER" screen appears.

```
                    TIMER
PRESENT TIME
PROGRAM                    :   OFF




 ⬍SEL.        MENU/ENTER OK    EXIT RETURN
```
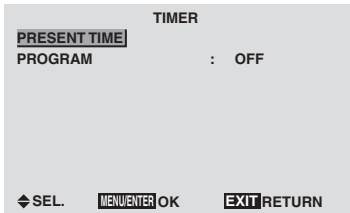
3. Set the TIMER using ▲▼◀ and ▶ buttons.
   See below to set PRESENT TIME.
   See page 31 to set PROGRAM.

Information

■ **Restoring the factory default settings**

Select "ALL RESET" under the OPTION1 menu. Note that this also restores other settings to the factory defaults.

PRESENT TIME

This sets the day of the week and present time.

Example: Setting "WEDNESDAY", "22:05"

Perform Steps 1-2 of Using the timer, then...

3. Use the ▲ and ▼ buttons to select "PRESENT TIME", then press the MENU/ENTER button.
   The "PRESENT TIME" screen appears.

```
              PRESENT TIME
RETURN
DAYLIGHT
  SAVING TIME             : ◀OFF▶

              WEDNESDAY
              13 : 00 : 00

 ⬍SEL.       ◀▶ ADJ.       EXIT RETURN
```
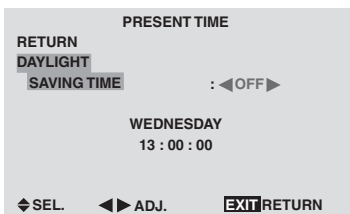
4. Use the ▲ and ▼ buttons to select the item, then adjust using the ◀ and ▶ buttons.

```
              PRESENT TIME
RETURN
DAYLIGHT
  SAVING TIME             :   OFF

              WEDNESDAY
              22 : 05 : 00

 ⬍SEL.       ◀▶ ADJ.       EXIT RETURN
```
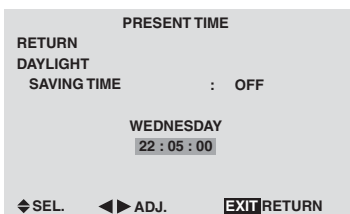
The mode switches as follows each time the ◀ or ▶ button is pressed:

- DAYLIGHT SAVING TIME
  ON ↔ OFF
- Day

  →SUNDAY ↔ MONDAY ↔ ..... ↔ FRIDAY ↔ SATURDAY←

- Hour/Minutes

  → 00:00 ↔ 00:01 ↔ 00:02 ↔ ..... ↔ 23:58 ↔ 23:59 ←

5. *Once the setting is completed...*
   Use the ▲ and ▼ buttons to select "SET", then press the MENU/ENTER button.

6. The adjustments are stored. Press the "EXIT" button to return to the TIMER menu.

```
              PRESENT TIME
RETURN
DAYLIGHT
  SAVING TIME             :   OFF

              WEDNESDAY
              22 : 05 : 00
SET
 ⬍SEL.       MENU/ENTER OK    EXIT RETURN
```
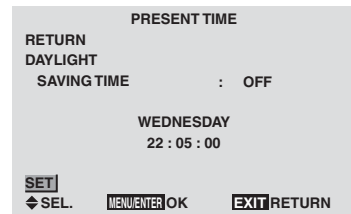
Information

■ **PRESENT TIME settings**

DAYLIGHT SAVING TIME

.... Use to set DAYLIGHT SAVING TIME.
   ON: The present time + 1 hour.
   OFF: Cancelled
Day .... Set the day of the week (e.g. Sunday).
Hour .... Set the hour in the 24-hour format (range 00 to 23).
Minutes .... Set the minutes (range 00 to 59).

* If you press the EXIT button instead of the MENU/ENTER button in step 5, the settings will not be saved.

PROGRAM TIMER

This sets the day and time at which the power will be switched ON/OFF as well as the input mode.

Example: Setting so that the power will be switched on at 8:30 A.M., Monday, displaying RGB2 source, and switched off at 10:30 A.M.

Perform Steps 1-2 of Using the TIMER, then...

3. Use the ▲ and ▼ buttons to select "PROGRAM".

```
                    TIMER
PRESENT TIME
PROGRAM              : ◀ OFF ▶



 ⬍ SEL.    ◀▶ ADJ.        EXIT RETURN
```
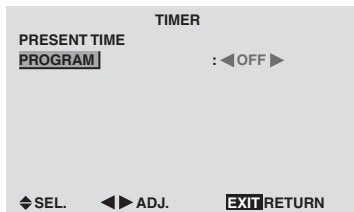
4. Use the ◀ and ▶ buttons to select "ON", then press the MENU/ENTER button.
   The "PROGRAM TIMER" screen appears.

5. Adjust using the ◀ and ▶ buttons and ZOOM ∧ /∨ buttons.

```
              PROGRAM TIMER
DATE    ON      OFF    INPUT   FUNCTION
MON   08 : 30  10 : 30  RGB2   INVERSE
 —    -- : --  -- : --   —        —
 —    -- : --  -- : --   —        —
 —    -- : --  -- : --   —        —
 —    -- : --  -- : --   —        —
 —    -- : --  -- : --   —        —
 —    -- : --  -- : --   —        —
 ⬍◆ SEL.   ZOOM ADJ.       EXIT RETURN
```

The mode switches as follows each time the ZOOM ∧ /∨ buttons are pressed:
• Date

→ — ↔ SUN ↔ MON ↔ ... ↔ SAT ↔ * ↔ *SUN ↔ *MON ↔ ... ↔ *SAT ←

• ON/OFF Hour

→ 00 ↔ 01 ↔ 02 ↔ ..... ↔ 21 ↔ 22 ↔ 23 ←

• Minute

→ 00 ↔ 01 ↔ 02 ↔ ..... ↔ 57 ↔ 58 ↔ 59 ←

• INPUT

→ — ↔ LAST ↔ VIDEO1 ↔ VIDEO2 ↔ VIDEO3 ↔ HD/DVD1 ←
↳ MONLINK ↔ RGB2 ↔ RGB1 ↔ HD/DVD2 ←

• FUNCTION

→ — ↔ ORBITER ↔ INVERSE ↔ WHITE ↔ DELETE ←

Information

■ PROGRAM TIMER settings

DATE .... Set the day of the week (e.g. Sunday).

ON (hour, minutes) .... Set the time at which the power will be turned on in the 24-hour format.

OFF (hour, minutes) ... Set the time at which the power will be turned off in the 24-hour format.

INPUT .... Set the input mode that will be displayed when the timer is on.

FUNCTION .... Set the LONG LIFE function.

■ To reset the program

1. Align the cursor with the DATE field that you wish to reset.
2. Using ∧ / ∨ buttons, select "–".
3. Press the "MENU/ENTER" button.

■ Special characters in the PROGRAM TIMER screen

```
              PROGRAM TIMER
DATE    ON      OFF    INPUT   FUNCTION
MON   08 : 30  10 : 30  RGB2   INVERSE
TUE   -- : --  18 : 15   —
SAT   08 : 30  12 : 15  VIDEO1  WHITE
*FRI  08 : 30  10 : 00  HD/DVD1   —
 —    -- : --  -- : --   —        —
SAT   08 : 30  12 : 15  VIDEO1  WHITE
 *    15 : 30  16 : 00  RGB1      —
 ⬍◆ SEL.   ZOOM ADJ.       EXIT RETURN
```

• An asterisk "*" in the DATE field
An asterisk "*" means "every". For example, "*FRI" means every Friday and "*" means everyday.

• A hyphen "-" in the ON field or OFF field
If any hyphen remains in the ON field or OFF field, the FUNCTION can not be set.

• A hyphen "-" in the FUNCTION field
A hyphen "-" means last mode (the mode that was last selected at the time the power was switched off).

Setting the power on mode
This function sets the input mode at the time the power is switched on.

Example: Setting "VIDEO2"

1. On the MAIN MENU, select "OPTION3", then press the MENU/ENTER button.
   The "OPTION3" screen appears.

2. Use the ▲ and ▼ buttons to select "PWR. ON MODE".

3. *To set the PWR. ON MODE to "VIDEO2"...*
   Use the ◀ and ▶ buttons to select "VIDEO2".
   The mode switches as follows each time the ◀ or ▶ button is pressed:
   The available inputs depend on the setting of "BNC INPUT".
   RGB:

COMP:
→ LAST ↔ VIDEO1 ↔ VIDEO2 ↔ VIDEO3 ←
↳ MONLINK ↔ RGB2 ↔ RGB1 ↔ HD/DVD1 ↩

→ LAST ↔ VIDEO1 ↔ VIDEO2 ↔ VIDEO3 ←
↳ MONLINK ↔ RGB1 ↔ HD/DVD2 ↔ HD/DVD1 ↩

```
        OPTION3          3 / 3
 ⬆ PREVIOUS PAGE
TIMER
PWR. ON MODE      : ◀ VIDEO2 ▶
BUTTON LOCK       :  OFF
IR REMOTE         :  ON
LOOP OUT          :  OFF


 ⬍ SEL.    ◀▶ ADJ.        EXIT RETURN
```

Enabling/disabling the front panel controls

This function enables/disables the front panel controls.

Example: Setting "ON"

1. On the MAIN MENU, select "OPTION3", then press the MENU/ENTER button.
   The "OPTION3" screen appears.

2. Use the ▲ and ▼ buttons to select "BUTTON LOCK".

3. *To set the BUTTON LOCK to "ON"...*
   Use the ◀ and ▶ buttons to select "ON", then press the MENU/ENTER button.
   The mode switches as follows each time the ◀ or ▶ button is pressed:

   OFF ↔ ON

```
                    OPTION3            3 / 3
     ⬆ PREVIOUS PAGE
    TIMER
    PWR. ON MODE         :   LAST
    BUTTON LOCK          : ◀ON ▶
    IR REMOTE            :   ON
    LOOP OUT             :   OFF


    ⬦ SEL.      ◀ ▶ ADJ.        EXIT RETURN
```

Enabling/disabling remote control wireless transmission

This function enables/disables remote control wireless transmission.

Example: Setting "OFF"

1. On the MAIN MENU, select "OPTION3", then press the MENU/ENTER button.
   The "OPTION3" screen appears.

2. Use the ▲ and ▼ buttons to select "IR REMOTE".

3. *To set the IR REMOTE to "OFF"...*
   Use the ◀ and ▶ buttons to select "OFF", then press the MENU/ENTER button.
   The mode switches as follows each time the ◀ or ▶ button is pressed:

   OFF ↔ ON

```
                    OPTION3            3 / 3
     ⬆ PREVIOUS PAGE
    TIMER
    PWR. ON MODE         :   LAST
    BUTTON LOCK          :   OFF
    IR REMOTE            : ◀OFF ▶
    LOOP OUT             :   OFF


    ⬦ SEL.      ◀ ▶ ADJ.        EXIT RETURN
```

Loop Out setting

When this feature is set to ON, the received signal will be looped out.

Example: Setting "ON"

1. On the MAIN MENU, select "OPTION3", then press the MENU/ENTER button.
   The "OPTION3" screen appears.

2. Use the ▲ and ▼ buttons to select "LOOP OUT".

3. *To set the LOOP OUT to "ON"...*
   Use the ◄ and ► buttons to select "ON".
   The mode switches as follows each time the ◄ or ► button is pressed:

   OFF ↔ ON

```
                    OPTION3         3 / 3
        ⬆ PREVIOUS PAGE
        TIMER
        PWR. ON MODE        :   LAST
        BUTTON LOCK         :   OFF
        IR REMOTE           :   ON
        LOOP OUT            : ◄ON ►


        ⬍SEL.     ◄►ADJ.      EXIT RETURN
```

Information

■ LOOP OUT settings

ON ...... The received signal will be looped out via PC1 terminal or VIDEO1 terminal.

OFF .... The received signal will not loop out.

* Even if LOOP OUT is ON, signals won't be sent out if POWER is being turned off.

■ To connect another display...

See page 10.

■ If the RGB/PC1 signal is present at the time the power switched on...

The RGB/PC1 input will be displayed regardless of the setting of LOOP OUT.

■ Restoring the factory default settings

Select "ALL RESET" under the OPTION1 menu. Note that this also restores other settings to the factory defaults.
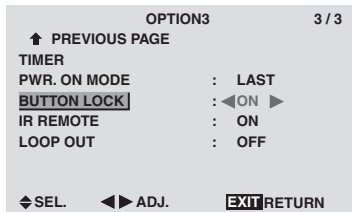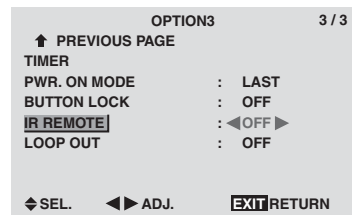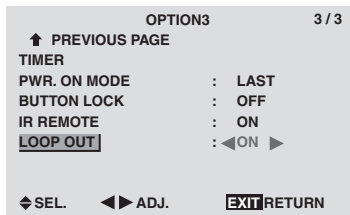
Language Settings Menu
Setting the language for the menus

The menu display can be set to one of seven languages: English, German, French, Swedish, Italian, Spanish or Chinese.

Example: Setting the menu display to "DEUTSCH"

1. On the MAIN MENU (NEXT PAGE), select "LANGUAGE", then press the MENU/ENTER button.

   The "LANGUAGE" screen appears.

2. *To select "DEUTSCH" ...*
   Use the ◄ and ► buttons to select " DEUTSCH".
   The mode switches as follows each time the ◄ or ► buttons is pressed:

   ┌─→ ENGLISH ↔ DEUTSCH ↔ FRANÇAIS ←─┐
   └─→ 中文 ↔ SVENSKA ↔ ITALIANO ↔ ESPAÑOL ←─┘

```
                    LANGUAGE

   LANGUAGE
                              : ◄DEUTSCH ►




   ◄► ADJ.    MENU/ENTER OK      EXIT RETURN
```
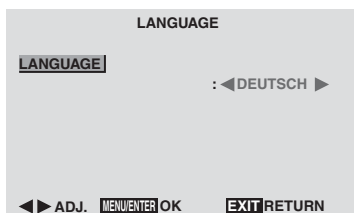
Information

■ Language settings

ENGLISH ....English
DEUTSCH ....German
FRANÇAIS ...... French
ESPAÑOL ....Spanish
ITALIANO .... Italian
SVENSKA ....Swedish
中文 ....Chinese

Color System Settings Menu
Setting the video signal format

Use these operations to set the color systems of composite video signals or Y/C input signals.

Example: Setting the color system to "3.58 NTSC"

1. On the MAIN MENU (NEXT PAGE), select "COLOR SYSTEM", then press the MENU/ENTER button.
   The "COLOR SYSTEM" screen appears.

2. *To select " 3.58NTSC " ...*
   Use the ◄ and ► buttons to select " 3.58NTSC ".
   The mode switches as follows each time the ◄ or ► button is pressed:

   ┌─→ AUTO ↔ 3.58NTSC ↔ 4.43NTSC ←─┐
   └─→ SECAM ↔ PAL-M ↔ PAL-N ↔ PAL60 ↔ PAL ←─┘

```
                 COLOR SYSTEM

   COLOR SYSTEM
                          : ◄3.58NTSC►




   ◄► ADJ.           EXIT RETURN
```
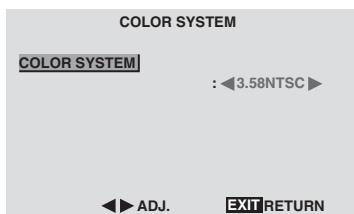
Information

■ Video signal formats

Different countries use different formats for video signals. 3.58 NTSC is the standard format used in the United States.

AUTO ....The color systems are automatically identified and the format is set accordingly.

PAL ....This is the standard format used mainly in the United Kingdom and Germany.

SECAM............This is the standard format used mainly in France and Russia.

4.43 NTSC,
PAL60 ....This format is used for videos in countries using PAL and SECAM video signals.

3.58 NTSC ......This is the standard format used mainly in the United States and Japan.

PAL-M ....This is the standard format used mainly in Brazil.

PAL-N ....This is the standard format used mainly in Argentina.

Source Information Menu
Checking the frequencies, polarities of input signals, and resolution

Use this function to check the frequencies and polarities of the signals currently being input from a computer, etc.

Press the MENU/ENTER button on the remote control to display the MAIN MENU on the screen, then...

1. On the MAIN MENU (NEXT PAGE), select "SOURCE INFORMATION", then press the MENU/ENTER button.

2. The "SOURCE INFORMATION" is displayed.

```
           SOURCE INFORMATION
   H. FREQ            :  48.4KHZ
   V. FREQ            :  60.0KHZ

   H. POLARITY       :  NEG.
   V. POLARITY       :  NEG.

   MEMORY            :  24
   RESOLUTION        :  1024×768
                          EXIT RETURN
```
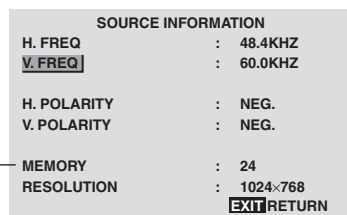
PC: MEMORY will be displayed.
Others: MODE will be displayed.

RS-232C Control

Application

These specifications cover the communications control of the plasma monitor by external equipment.

Connections

Connections are made as described below.

External equipment
e.g., Personal computer

Display
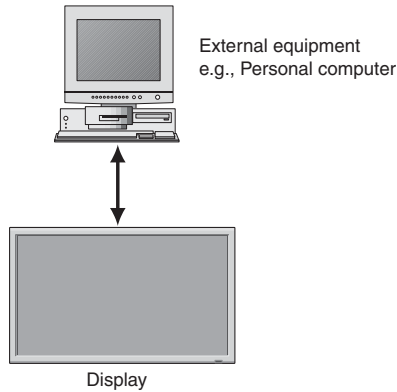
Connector on the plasma monitor side: MONITORLINK CONTROL/RS-232C connector.
Use a crossed (reverse) cable.

Type of connector: D-Sub 9-pin male

Pin No.	Pin Name
1	No Connection
2	RXD (Receive data)
3	TXD (Transmit data)
4	DTR (DTE side ready)
5	GND
6	DSR (DCE side ready)
7	RTS (Ready to send)
8	CTS (Clear to send)
9	No connection
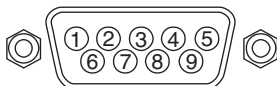
Communication Parameters

(1) Communication system	Asynchronous
(2) Interface	RS-232C
(3) Baud rate	9600 bps
(4) Data length	8 bits
(5) Parity	Odd
(6) Stop bit	1 bit
(7) Communication code	Hex

RS-232C Control Codes (Reference)

FUNCTION		CODE DATA							
Power ON		9FH	80H	60H	4EH	00H	CDH		
OFF		9FH	80H	60H	4FH	00H	CEH		
Input Switch	Video1 (BNC)	DFH	80H	60H	47H	01H	01H	08H	
	Video2 (RCA)	DFH	80H	60H	47H	01H	02H	09H	
	Video3 (S-Video)	DFH	80H	60H	47H	01H	03H	0AH	
	DVD1/HD1 (RCA)	DFH	80H	60H	47H	01H	05H	0CH	
	DVD2/HD2 (BNC)	DFH	80H	60H	47H	01H	06H	0DH	
	RGB1 (mini D-sub 15-pin)	DFH	80H	60H	47H	01H	07H	0EH	
	RGB2 (5BNC)	DFH	80H	60H	47H	01H	08H	0FH	
	MONLINK (DVI)	DFH	80H	60H	47H	01H	0CH	13H	
Audio Mute	ON	9FH	80H	60H	3EH	00H	BDH		
	OFF	9FH	80H	60H	3FH	00H	BEH		
Picture Mode	NORMAL	DFH	80H	60H	0AH	01H	01H	CBH	
	THEAT. 1	DFH	80H	60H	0AH	01H	02H	CCH	
	THEAT. 2	DFH	80H	60H	0AH	01H	03H	CDH	
	DEFAULT	DFH	80H	60H	0AH	01H	04H	CEH	
Screen Mode	STRETCH	DFH	80H	60H	51H	01H	02H	13H	
	EXPAND	DFH	80H	60H	51H	01H	03H	14H	
	NARROW	DFH	80H	60H	51H	01H	04H	15H	
	STANDARD	DFH	80H	60H	51H	01H	05H	16H	
	14 : 9	DFH	80H	60H	51H	01H	09H	1AH	
	ZOOM	DFH	80H	60H	51H	01H	0AH	1BH	
Auto Picture	ON	DFH	80H	60H	7FH	03H	03H	09H	00H	4DH
	OFF	DFH	80H	60H	7FH	03H	03H	09H	01H	4EH
Film Mode	ON	DFH	80H	60H	C1H	01H	01H	82H	
	OFF	DFH	80H	60H	C1H	01H	02H	83H	

Note: *Contact MITSUBISHI for a full list of the RS-232C Control Codes if needed.*

Troubleshooting

If the picture quality is poor or there is some other problem, check the adjustments, operations, etc., before requesting service.

Symptom	Checks	Remedy
Picture moves intermittently around the screen.	Is ORBITER ON (AUTO1)?	• Default seting for ORBITER is ON (AUTO1). In this mode, picture moves intermittently around the screen. See page 26 to turn off ORBITER.
Mechanical sound is heard.	• Maybe the sound from the cooling fans used to prevent over heating.	
The unit emits a crackling sound.	• Are the image and sound normal?	• If there are no abnormalities in the image and sound, the noise is caused by the cabinet reacting to changes in humidity. This will not affect performance.
Picture is disturbed. Sound is noisy. Remote control operates erroneously.	• Is a connected component set directly in front or at the side of the display?	• Leave some space between the display and the connected components.
The remote control does not work.	• Are the remote control's batteries worn out?	• Replace both batteries with new ones.
	• Is IR REMOTE set to ON?	• Set IR REMOTE OFF on OPTION3 menu.
Monitor's power does not turn on when the remote control's power button is pressed.	• Is the monitor's power cord plugged into a power outlet?	• Plug the monitor's power cord into a power outlet.
	• Are all the monitor's indicators off?	• Press the power button on the monitor to turn on the power.
	• Are the remote control's batteries worn out?	• Replace both batteries with new ones.
	• Is IR REMOTE set to OFF?	• Set IR REMOTE ON.
Monitor does not operate when the remote control's buttons are pressed.	• Is the remote control pointed at the monitor, or is there an obstacle between the remote control and the monitor?	• Point the remote control at the monitor's remote control sensor when pressing buttons, or remove the obstacle.
	• Is direct sunlight or strong artificial light shining on the monitor's remote control sensor?	• Eliminate the light by closing curtains, pointing the light in a different direction, etc.
	• Are the remote control's batteries worn out?	• Replace both batteries with new ones.
	• The remote cable is plugged into the REMOTE IN terminal (Wired).	• Unplug the remote cable from the monitor.
The front panel buttons of the main unit do not function.	• The front panel buttons do not function during Control Lock.	• Set the Control Lock to OFF.
No sound or picture is produced.	• Is the monitor's power cord plugged into a power outlet?	• Plug the monitor's power cord into a power outlet.
Picture appears but no sound is produced.	• Is the volume set at the minimum?	• Increase the volume.
	• Is the mute mode set?	• Press the remote control's MUTE button.
	• Are the speakers properly connected?	• Connect the speakers properly.
	• Is AUDIO INPUT set correctly?	• Set AUDIO INPUT on the AUDIO menu correctly.
Poor picture with VIDEO signal input.	• Improper control setting. Local interference. Cable interconnections. Input impedance is not correct level.	• Adjust picture control as needed. Try another location for the monitor. Be sure all connections are secure.
Poor picture with RGB signal input.	• Improper control setting. Incorrect 15 PIN connector pin connections.	• Adjust picture controls as needed. Check pin assignments and connections.
Tint is poor or colors are weak.	• Are the tint and colors properly adjusted?	• Adjust the tint and color (under PICTURE).
Nothing appears on screen.	• Is the computer's power turned on?	• Turn on the computer's power.
	• Is a source connected?	• Connect source to the monitor.
	• Is the power management function in the standby or off mode?	• Operate the computer (move the mouse, etc.).
	• Is LOOP OUT set to ON?	• Set LOOP OUT OFF.
Part of picture is cut off or picture is not centered.	• Is the position adjustment appropriate?	• Adjust the IMAGE ADJUST properly.
Image is too large or too small.	• Is the screen size adjustment appropriate?	• Press the WIDE button on the remote control and adjust properly.
Picture is unstable.	• Is the computer's resolution setting appropriate?	• Set to the proper resolution.
POWER/STANDBY indicator is lighted in red.	• Horizontal and / or vertical sync signal is not present when the Intelligent Power Manager control is on.	• Check the input signal.
POWER/STANDBY indicator is blinking in red.	• The temperature inside the main unit has become too high and has activated the protector.	• Promptly switch off the power of the main unit and wait until the internal temperature drops. See*1. PAGE 37
POWER/STANDBY indicator is blinking in green and red, or green.	———	• Prompty switch off the power of the main unit. See *2. PAGE 37

*1 Overheat protector

If the monitor becomes too hot, the overheat protector will be activated and the monitor will be turned off. If this happens, turn off the power to the monitor and unplug the power cord. If the room where the monitor is installed is particularly hot, move the monitor to a cooler location and wait for the monitor to cool for 60 minutes. If the problem persists, contact your dealer.
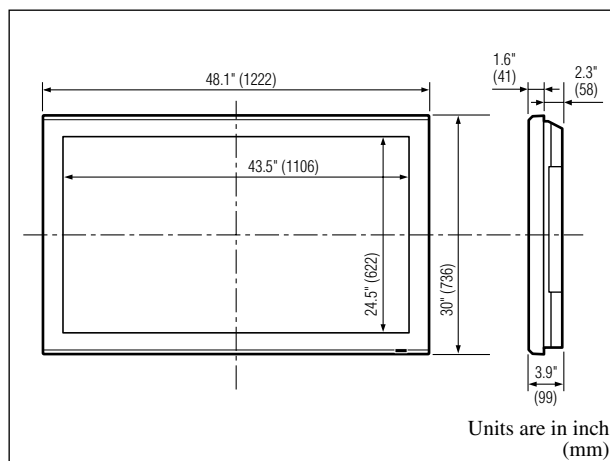
*2 In the following case, power off the monitor immediately and contact your dealer or authorized Service Center.

The monitor turns off 5 seconds after powering on and then the POWER/STANDBY indicator blinks. It indicates that the power supply circuit, plasma display panel, temperature sensor, or one or more fans have been damaged.

Specifications: PD-5030

Screen Size	43.5"(H)×24.5"(V) inches 1106(H)×622(V) mm diagonal 50"
Aspect Ratio	16 : 9
Resolution	1365(H)×768(V) pixels
Pixel Pitch	0.032"(H)×0.032"(V) inches 0.81(H)×0.81(V) mm
Color Reproduction	256 levels, 16,770,000 colors

Signals

Synchronization Range	Horizontal : 15.5 to 110 kHz (automatic : step scan) Vertical : 50.0 to 120 Hz (automatic : step scan)
Input Signals	RGB, NTSC (3.58/4.43), PAL (B,G,M,N), PAL60, SECAM, HD*1, DVD*1, DTV*1

Input Terminals (VIDEO1 and RGB1 can also be used as OUTPUT terminals)

RGB

Visual 1 (Analog)	mini D-sub 15-pin×1
Visual 2 (Analog)	BNC (R, G, B, H/CS, V)×1*2
Visual 3 (Digital)	DVI-D 24-pin×1

Video

Visual 1	BNC×1
Visual 2	RCA-pin×1
Visual 3	S-Video: DIN 4-pin×1

DVD/HD/DTV

Visual 1	RCA-pin (Y, PB[CB], PR[CR])×1*1
Visual 2	BNC (Y, PB[CB], PR[CR])×1*1, *2
Audio	Stereo RCA×3 (Selectable)
RS-232C Control	D-sub 9-pin×1 (RS-232C)

Sound output	9W+9W at 6 ohm
Power Supply	AC120V 50/60Hz
Current Rating	6.4A (maximum)
Power Consumption	480W (typical)
Dimensions	48.1 (W)×30 (H)×3.9 (D) inches 1222 (W)×736 (H)×99(D) mm
Weight	100 lbs / 45.4 kg (without stand)

Environmental Considerations

Operating	Temperature	0°C to 40°C / 32°F to 104°F
	Humidity	20 to 80% (no condensation)
	Altitude	0 to 9180 feet / 0 to 2800 m
Storage	Temperature	-10°C to 50°C / 14°F to 122°F
	Humidity	10 to 90% (no condensation)
	Altitude	0 to 9840 feet / 0 to 3000 m

Front Panel User Controls	Power on/off, Input source select, Volume up/down/ Menu control
Remote Control Functions	Power on/off, Input source select, Menu control,Volume up/down, Adjust (Up, Down, Left, Right), Pointer, Zoom up/ down, Sleep, Wireless/ Wired remote control
OSM Functions	Picture (Contrast/Brightness/Sharpness/ Color/Tint/ Picture mode/Noise reduction/Color temperature/ White balance/Gamma/Low tone/Color View), Audio (Bass/Treble/Balance/Audio input), Image Adjust (Aspect mode/V-Position /H-Position/V-Height /H-Width/Auto Picture/Fine picture/Picture adjustment), Option1 (Menu/BNC Input/RGB Select/HD Select/ Input Skip/All Reset), Option2 (Power management/ Film mode/Long life [Peak Bright, Orbiter, Inverse, White, Soft focus]/Gray level/S1/S2/Picture size/DVI Set up), Option3 (Timer Power on mode/Button lock/ IR Remote/Loop out, Color system, Source information

*English, German, French, Italian, Spanish, Swedish, Chinese

Units are in inch (mm)

The features and specifications may be subject to change without notice.

*1 HD/DVD/DTV input signals supported on this system

480P (60 Hz)	480I (60 Hz)	525P (60 Hz)
525I (60 Hz)	576P (50 Hz)	576I (50 Hz)
625P (50 Hz)	625I (50 Hz)	720P (60 Hz)
1035I (60 Hz)	1080I (50 Hz)	1080I (60 Hz)

*2 The 5-BNC connectors are used as RGB/PC2 and HD/DVD2 input. Select one of them under "BNC INPUT".

Supported Signals
- 640×480P @ 59.94/60Hz
- 1280×720P @ 59.94/60Hz
- 1920×1080I @ 59.94/60Hz
- 720×480P @ 59.94/60Hz
- 720×480I @ 59.94/60Hz

Note: In some cases a signal on the plasma monitor may not be displayed properly. The problem may be an inconsistency with standards from the source equipment (DVD, Set-top box, etc...). If you do experience such a problem please contact Mitsubishi Digital Electronics and also the manufacturer of the source equipment.

Other Features	Motion compensated 3D Scan Converter (NTSC, PAL, 480I, 576I, 525I, 625I, 1035I, 1080I), 2-3 pull down Converter (NTSC, 480I, 525I, 1035I, 1080I (60Hz)), 2-2 pull down Converter (PAL, 576I, 625I, NTSC, 480I, 525I), Digital Zoom Function (100-900% Selectable), Anti Image Burn (Peak Bright Lock 1-3, Inverse, White, Orbiter (Auto1,2/Manual), Color Temperature select (high/medium/mid low/low, user has 4 memories), Button Lock (Except power SW), Auto Picture, Input Skip, ColorView, Low Tone (3 mode), Programmable Timer, Gamma Correction (4 mode), Loop through interface, Plug and play (DDC1, DDC2b, RGB3: DDC2b only)
Accessories	Remote control with two AAA batteries, Power cord, Owner's guide, Safety metal fitting parts, Ferrite cores, Bands, Cable clamps, RGB cable, Remote cable, Registration card
Regulations	UL Approved (UL 60950 and UL65000/CSA C22.2 No.60950-00/ CAN/CSA-E60065-00) DOC Canada requirements Meets FCC Class B requirements

Specifications: PD-6130

Screen Size	53.2"(H)×29.9"(V) inches 1351(H)×760(V) mm diagonal 61"
Aspect Ratio	16 : 9
Resolution	1365(H)×768(V) pixels
Pixel Pitch	0.039"(H)×0.039"(V) inches 0.99(H)×0.99(V) mm
Color Reproduction	256 levels, 16,770,000 colors
Signals	
Synchronization Range	Horizontal : 15.5 to 110 kHz (automatic : step scan) Vertical : 50.0 to 120 Hz (automatic : step scan)
Input Signals	RGB, NTSC (3.58/4.43), PAL (B,G,M,N), PAL60, SECAM, HD*1 , DVD*1 , DTV*1

Input Terminals (VIDEO1 and RGB1 can also be used as OUTPUT terminals)

RGB	
Visual 1 (Analog)	mini D-sub 15-pin×1
Visual 2 (Analog)	BNC (R, G, B, H/CS, V)×1*2
Visual 3 (Digital)	DVI-D 24-pin×1
Video	
Visual 1	BNC×1
Visual 2	RCA-pin×1
Visual 3	S-Video: DIN 4-pin×1
DVD/HD/DTV	
Visual 1	RCA-pin (Y, PB[CB], PR[CR])×1*1
Visual 2	BNC (Y, PB[CB], PR[CR])×1*1, *2
Audio	Stereo RCA×3 (Selectable)
RS-232C Control	D-sub 9-pin×1 (RS-232C)
Sound output	9W+9W at 6 ohm
Power Supply	AC120V 50/60Hz
Current Rating	6.7A (maximum)
Power Consumption	540W (typical)
Dimensions	57.9 (W)×34.7 (H)×4.8 (D) inches 1470 (W)×880 (H)×122(D) mm
Weight	136.9 lbs / 62.2 kg (without stand)

Environmental Considerations

Operating	Temperature	0°C to 40°C / 32°F to 104°F
	Humidity	20 to 80% (no condensation)
	Altitude	0 to 9180 feet / 0 to 2800 m
Storage	Temperature	-10°C to 50°C / 14°F to 122°F
	Humidity	10 to 90% (no condensation)
	Altitude	0 to 9840 feet / 0 to 3000 m

Front Panel User Controls	Power on/off, Input source select, Volume up/down/ Menu control
Remote Control Functions	Power on/off, Input source select, Menu control,Volume up/down, Adjust (Up, Down, Left, Right), Pointer, Zoom up/ down, Sleep, Wireless/ Wired remote control
OSM Functions	Picture (Contrast/Brightness/Sharpness/ Color/Tint/ Picture mode/Noise reduction/Color temperature/ White balance/Gamma/Low tone/Color View), Audio (Bass/Treble/Balance/Audio input), Image Adjust (Aspect mode/V-Position /H-Position/V-Height /H-Width/Auto Picture/Fine picture/Picture adjustment), Option1 (Menu/BNC Input/RGB Select/HD Select/ Input Skip/All Reset), Option2 (Power management/ Film mode/Long life [Peak Bright, Orbiter, Inverse, White, Soft focus]/Gray level/S1/S2/Picture size/DVI Set up), Option3 (Timer Power on mode/Button lock/ IR Remote/Loop out, Language*, Color system, Source information *English, German, French, Italian, Spanish, Swedish, Chinese

57.9" (1470) 1.9" (48) 2.9" (74)

53.2" (1351)

29.9" (760) 34.7" (880)

4.8" (122)

Units are in inch (mm)

The features and specifications may be subject to change without notice.

*1 HD/DVD/DTV input signals supported on this system

480P (60 Hz)	480I (60 Hz)	525P (60 Hz)
525I (60 Hz)	576P (50 Hz)	576I (50 Hz)
625P (50 Hz)	625I (50 Hz)	720P (60 Hz)
1035I (60 Hz)	1080I (50 Hz)	1080I (60 Hz)

*2 The 5-BNC connectors are used as RGB/PC2 and HD/DVD2 input. Select one of them under "BNC INPUT".

Supported Signals
- 640×480P @ 59.94/60Hz
- 1280×720P @ 59.94/60Hz
- 1920×1080I @ 59.94/60Hz
- 720×480P @ 59.94/60Hz
- 720×480I @ 59.94/60Hz

Note: In some cases a signal on the plasma monitor may not be displayed properly. The proglem may be an inconsistency with standards from the source equipment (DVD, Set-top box, etc...). If you do experience such a problem please contact Mitsubishi Digital Electronics, Inc. and also the manufacturer of the source equipment.
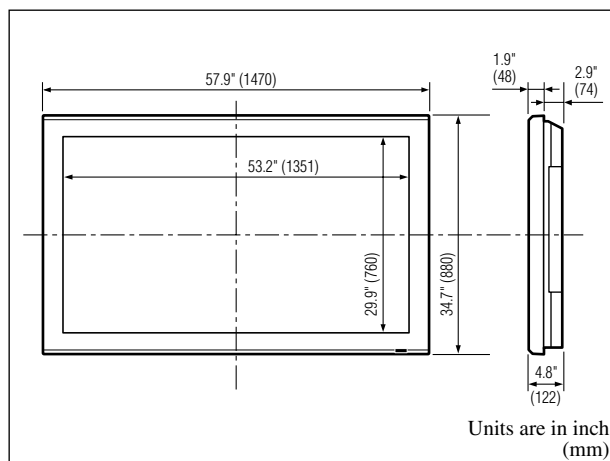
Other Features	Motion compensated 3D Scan Converter (NTSC, PAL, 480I, 576I, 525I, 625I, 1035I, 1080I), 2-3 pull down Converter (NTSC, 480I, 525I, 1035I, 1080I (60Hz)), 2-2 pull down Converter (PAL, 576I, 625I, NTSC, 480I, 525I), Digital Zoom Function (100-900% Selectable), Self Diagnosis, Anti Image Burn (Peak Bright Lock 1-3, Inverse, White, Orbiter (Auto1,2/Manual), Color Temperature select (high/medium/mid low/low, user has 4 memories), Button lock (Except power SW), Auto Picture, Input Skip, ColorView, Low Tone (3 mode), Programmable Timer, Gamma Correction (4 mode), Loop through interface, Plug and play (DDC1, DDC2b, RGB3: DDC2b only)
Accessories	Remote control with two AAA batteries, Power cord, Owner's guide, Safety metal fitting parts, Ferrite cores, Bands, Cable clamps, RGB cable, Remote cable, Registration card
Regulations	UL Approved (UL 60950 and UL65000/CSA C22.2 No.60950-00/ CAN/CSA-E60065-00) DOC Canada requirements Meets FCC Class B requirements

Table of Signals Supported

Supported resolution

- When the screen mode is NARROW, each signal is converted to a 1024 dots×768 lines signal. (Except for *2, 3, 4)
- When the screen mode is TRUE, the picture is displayed in the original resolution.
- When the screen mode is STANDARD, each signal is converted to a 1365 dots×768 lines signal. (Except for *3)

Computer input signals supported by this system

Model / Signal Type	Dots × lines	Vertical frequency (Hz)	Horizontal frequency (kHz)	Sync Polarity Horizontal	Sync Polarity Vertical	Presence Horizontal	Presence Vertical	Screen mode NARROW (4:3)	Screen mode TRUE	Screen mode STANDARD (16:9)	RGB select*5	DVI	Memory
	640×400	70.1	31.5	NEG	NEG	YES	YES	YES*2	YES	YES	– –	NO	4
IBM PC/AT*8 compatible computers	640×480	59.9	31.5	NEG	NEG	YES	YES	YES	YES	YES	STILL	YES	5
		72.8	37.9	NEG	NEG	YES	YES	YES	YES	YES	– –	YES	7
		75.0	37.5	NEG	NEG	YES	YES	YES	YES	YES	STILL	YES	8
		85.0	43.3	NEG	NEG	YES	YES	YES	YES	YES	– –	YES	9
		100.4	51.1	NEG	NEG	YES	YES	YES	YES	YES	– –	YES	41
		120.4	61.3	NEG	NEG	YES	YES	YES	YES	YES	– –	YES	42
	848×480	60.0	31.0	POS	POS	YES	YES	– –	YES	YES	WIDE2	YES	19
	852×480*1	60.0	31.7	NEG	NEG	YES	YES	– –	YES	YES	WIDE1	YES	17
	800×600	56.3	35.2	POS	POS	YES	YES	YES	YES	YES	STILL	YES	11
		60.3	37.9	POS	POS	YES	YES	YES	YES	YES	STILL	YES	12
		72.2	48.1	POS	POS	YES	YES	YES	YES	YES	– –	YES	13
		75.0	46.9	POS	POS	YES	YES	YES	YES	YES	– –	YES	14
		85.1	53.7	POS	POS	YES	YES	YES	YES	YES	– –	YES	15
		99.8	63.0	POS	POS	YES	YES	YES	YES	YES	– –	YES	43
		120.0	75.7	POS	POS	YES	YES	YES	YES	YES	– –	YES	44
	1024×768	60.0	48.4	NEG	NEG	YES	YES	YES*3	– –	YES	STILL	YES	24
		70.1	56.5	NEG	NEG	YES	YES	YES*3	– –	YES	– –	YES	25
		75.0	60.0	POS	POS	YES	YES	YES*3	– –	YES	STILL	YES	26
		85.0	68.7	POS	POS	YES	YES	YES*3	– –	YES	– –	YES	27
		100.6	80.5	NEG	NEG	YES	YES	YES*3	– –	YES	– –	NO	45
	1152×864	75.0	67.5	POS	POS	YES	YES	YES	– –	YES	STILL	YES	51
	1280×768	56.2	45.1	POS	POS	YES	YES	– –	– –	YES	WIDE1	NO	52
		59.8	48.0	POS	NEG	YES	YES	– –	– –	YES	WIDE3	YES	80
	1360×765	60.0	47.7	POS	POS	YES	YES	– –	– –	YES*3	WIDE1	NO	22
	1360×768	60.0	47.7	POS	POS	YES	YES	– –	– –	YES*3	WIDE1	YES	22
	1376×768	59.9	48.3	NEG	POS	YES	YES	– –	– –	YES	WIDE2	YES	53
	1280×1024	60.0	64.0	POS	POS	YES	YES	YES*4	– –	YES	STILL	YES	29
		75.0	80.0	POS	POS	YES	YES	YES*4	– –	YES	– –	NO	30
		85.0	91.1	POS	POS	YES	YES	YES*4	– –	YES	– –	NO	40
		100.1	108.5	POS	POS	YES	YES	YES*4	– –	YES	– –	NO	47
	1600×1200	60.0	75.0	POS	POS	YES	YES	YES	– –	YES	– –	NO	54
		65.0	81.3	POS	POS	YES	YES	YES	– –	YES	– –	NO	55
		70.0	87.5	POS	POS	YES	YES	YES	– –	YES	– –	NO	56
		75.0	93.8	POS	POS	YES	YES	YES	– –	YES	– –	NO	57
		85.0	106.3	POS	POS	YES	YES	YES	– –	YES	– –	NO	58
Apple Macintosh*6 *8	640×480	66.7	35.0	Sync on G	Sync on G	– –	– –	YES	YES	YES	– –	NO	6
	832×624	74.6	49.7	Sync on G	Sync on G	– –	– –	YES	YES	YES	– –	NO	16
	1024×768	74.9	60.2	Sync on G	Sync on G	– –	– –	YES*3	– –	YES	WIDE1	NO	28
	1152×870	75.1	68.7	Sync on G	Sync on G	– –	– –	YES	– –	YES	WIDE1	NO	39
Work Station (EWS4800)*8	1280×1024	60.0	64.6	NEG	NEG	YES	YES	YES*4	– –	YES	– –	YES	29
		71.2	75.1	NEG	NEG	YES	YES	YES*4	– –	YES	– –	NO	48
Work Station(HP)*8	1280×1024	72.0	78.1	– –	– –	– –	– –	YES*4	– –	YES	– –	NO	59
Work Station (SUN)*8	1152×900	66.0	61.8	C Sync	C Sync	– –	– –	YES	– –	YES	– –	NO	60
		76.0	71.7	C Sync	C Sync	– –	– –	YES	– –	YES	– –	NO	61
	1280×1024	76.1	81.1	C Sync	C Sync	– –	– –	YES*4	– –	YES	– –	NO	30
Work Station (SGI)	1024×768	60.0	49.7	– –	– –	– –	– –	YES*3	– –	YES	– –	YES	62
	1280×1024	60.0	63.9	– –	– –	– –	– –	YES*4	– –	YES	– –	YES	29
IDC-3000G													
PAL625P	768×576	50.0	31.4	NEG	NEG	YES	YES	YES*7	– –	YES*7	– –	NO	31
NTSC525P	640×480	59.9	31.5	NEG	NEG	YES	YES	YES*7	– –		MOTION	NO	32

*1 Only when using a graphic accelerator board that is capable of displaying 852×480.

*2 This signal is converted to a 1024 dots × 640 lines signal.

*3 The picture is displayed in the original resolution.

*4 The aspect ratio is 5:4. This signal is converted to a 960 dots×768 lines signal.

*5 Normally the RGB select mode suite for the input signals is set automatically. If the picture is not displayed properly, set the RGB mode prepared for the input signals listed in the table above.

*6 To connect the monitor to Macintosh computer, use the monitor adapter (D-Sub 15-pin) to your computer's video port.

*7 Other screen modes (EXPAND and STRETCH) are available as well.

*8 When viewing a moving picture at a vertical frequency greater than 65Hz, the picture may sometimes be unstable (jumpy). If this occurs, please set the refresh rate of the external equipment to 60Hz.
To view 480I@60Hz (480 interlaced lines, 60Hz refresh rate) or 576I@50Hz (567 interlaced lines, 50Hz refresh rate) when sync polarity is "Sync on Green", set "RGB SELECT" to "MOTION".

NOTE:
- *While the input signals comply with the resolution listed in the table above, you may have to adjust the position and size of the picture or the fine picture because of errors in synchronization of your computer.*
- *When a 1280 dots × 1024 lines signal or 1600 dots × 1200 lines signal is input to the monitor, the picture will be compressed.*
- *This monitor has a resolution of 1365 dots × 768 lines. It is recommended that the input signal should be XGA, wide XGA, or equivalent.*
- *With digital input some signals are not accepted.*
- *The sync may be disturbed when a nonstandard signal other than the aforementioned is input.*
- *If you are connecting a composite sync signal, use the HD terminal.*

What is HDCP/HDCP technology?
HDCP is an acronym for High-bandwidth Digital Content Protection. High bandwidth Digital Content Protection (HDCP) is a system for preventing illegal copying of video data sent over a Digital Visual Interface (DVI).
If you are unable to view material via the DVI input, this does not necessarily mean the PDP is not functioning properly. With the implementation of HDCP, there may be cases in which certain content is protected with HDCP and might not be displayed due to the decision/intention of the HDCP community (Digital Content Protection, LLC).

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- "Apple Macintosh" is a registered trademark of Apple Computer, Inc. of the United States.

Mitsubishi Plasma Display Panel Limited Warranty

MITSUBISHI DIGITAL ELECTRONICS AMERICA, INC. ("MDEA") warrants to the original purchaser of this Plasma Display Panel that if purchased from an authorized MITSUBISHI Audio/Video Dealer, should it prove defective by reason of improper workmanship and/or material:

a. Parts. All parts are warranted for a period of one year from the date of the original purchase at retail. We will repair or replace, at our option, any defective part without charge for the part. Parts used for replacement may be replaced with those of like kind and quality and may be new or remanufactured. Parts used for replacement are warranted for the remainder of the original warranty period.

b. Labor. We will provide the labor for a warranty repair by an authorized MITSUBISHI service center without charge for one year from the original date of purchase at retail.

c. Notice. To obtain warranty service, you must notify an authorized MITSUBISHI service center of any defect within the applicable warranty time period.

1. TO OBTAIN WARRANTY SERVICE:

a. Contact your nearest authorized MITSUBISHI service center, whose name and address can be obtained from your MITSUBISHI dealer or by writing or calling MDEA at the address and telephone number provided below.

b. Warranty service will be provided in your home or, if required, at an authorized MITSUBISHI service center, provided that your television is located within the geographic territory customarily covered by an authorized MITSUBISHI service center. If not, you must either deliver your television to an authorized service location at your own expense, or pay for any travel and/or transportation costs the service center may charge to and from your home. Actual service labor will be provided without charge.

c. Proof of purchase date from an authorized MITSUBISHI dealer is required when requesting warranty service. Present your sales receipt or other document which establishes proof and date of purchase. THE RETURN OF THE OWNER REGISTRATION CARD IS NOT A CONDITION OF WARRANTY COVERAGE. However, please return the Owner Registration Card so that we can contact you should a question of safety arise which could affect you.

3. This Plasma Display Panel uses a revolutionary technology, gas plasma, to create the screen image. This technology creates the image using small dots, or picture elements (pixels). Your Plasma Display Panel is manufactured to a high level of perfection, in fact, 99.99% perfect in the number of properly functioning. As in tube television, sometimes a pixel is continuously active or inactive. Our standard is clear, your pixels must be 99.99% perfect in the number of properly functioning pixels.

4. THIS WARRANTY DOES NOT COVER:

a. .... Up to .01% pixel outages (small dot picture elements that are dark or incorrectly illuminated).

b. .... Cosmetic damage or damage to this Plasma Display Panel or to any other products where such damage is caused by unauthorized modification, alteration, repairs to or service of the product by anyone other than an authorized MITSUBISHI service center; physical abuse to or misuse of the product (including any failure to carry out any maintenance as described in the Owner's Guide or any product damaged by excessive physical or electrical stress); any products that have had a serial number or any part thereof altered, defaced or removed; product use in any manner contrary to the Owner's Guide (including, but not limited to, uneven phosphor aging and imprinted images on the viewing screen); freight damage or damage due to improper shipping methods; damage caused by use of third party mounting brackets or stands or any damage caused by acts of God or other factors beyond the reasonable control of MDEA, such as power surge damage caused by electrical system or lightning. This warranty also excludes service calls where no defect in the product covered under this warranty is found, service calls related to unsatisfactory audio or visual reception or signal unless caused by a defect in the product that is covered under this warranty, all costs, expenses or any other damages arising from product installation, or set-ups, any adjustments of user controls (including, contrast, brightness, color, tint, fine tuning, sharpness), other adjustment necessary to prepare the unit for display or use, connection with any external TV tuner, audio receiver, antenna, cable or satellite systems, or service of products purchased or serviced outside the U.S.A. Please consult the operating instructions contained in the Owner's Guide furnished with the product for information regarding user controls.

5. ANY EXPRESS WARRANTY NOT PROVIDED HEREIN, AND ANY REMEDY WHICH, BUT FOR THIS PROVISION, MIGHT ARISE BY IMPLICATION OR OPERATION OF LAW, IS HEREBY EXCLUDED AND DISCLAIMED. THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE ARE EXPRESSLY LIMITED TO A TERM OF ONE YEAR.

6. UNDER NO CIRCUMSTANCES SHALL MDEA BE LIABLE TO PURCHASER OR ANY OTHER PERSON FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, WHETHER ARISING OUT OF BREACH OF WARRANTY, BREACH OF CONTRACT, OR OTHERWISE.

7. Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental, special or consequential damages, so the above limitations or exclusions may not apply to you.

8. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

9. BEFORE REQUESTING SERVICE, please review the instruction booklet to insure proper installation and correct customer control adjustment. If the problem persists, contact your nearest MITSUBISHI Dealer for the name(s) of authorized MITSUBISHI Service Center(s). If you are unable to obtain this information, please call 800-332-2119, or write us at the address below.

MITSUBISHI DIGITAL ELECTRONICS AMERICA, INC.

9351 Jeronimo Road

Irvine, CA 92618-1904

DECLARATION OF CONFORMITY

This device complies with Part 15 of 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.

U.S. Responsible Party:	**Mitsubishi Digital Electronics America**
Address:	**9351 Jeronimo Road**
	Irvine, CA 92618
Tel. No.:	**(949) 465-6000**

Type of Product: Plasma Display

Equipment Classification: Class B Peripheral

Models: PD-5030/PD-6130

We hereby declare that the equipment specified above conforms to the technical standards as specified in the FCC Rules.

FC