PlasmaSync Plasma Monitor

PlasmaSync™ 4200W

User's Manual

NEC

NEC Technologies

Important Information

Precautions

Please read this manual carefully before using your NEC PlasmaSync - 42inch Plasma Monitor PX-42M3A 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.

DOC compliance Notice

This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

WARNING

This equipment has been tested and found to comply with the limits for a Class A 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 Precaution

The NEC Multimedia monitor PlasmaSync 4200W 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.
For operating safety and to avoid damage to the unit, read carefully 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 in a closed cabinet or shelves.
   The unit is equipped with cooling fans. If you enclose the unit in a cabinet or rack, be 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 NEC 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 unit to water or moisture.
4. Avoid damage to the power cord, and do not attempt to modify the power cord.
5. Unplug unit during electrical storms or if 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. NEC 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 NEC Service Centers.

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. Locate set away from heat, excessive dust, and direct sunlight.
4. Protect the inside of the unit from liquids and small metal objects. In case of accident, unplug the unit and have it serviced by an authorized NEC Service Center.
5. Do not hit or scratch the panel surface as this causes flaws on the surface of the screen.
6. The equipment should be installed by a serviceperson. No one other than a serviceperson should install the equipment. Attempting to do so may result in injury.
7. Do not display a same still image on the screen for long, consecutive time. Otherwise, the afterimage may appear on a part of a panel.

Précautions

Veuillez lire ce manuel avec attention avant d'utiliser votre PlasmaSync NEC - Moniteur Plasma 42 pouces PX-42M3A et conserver ce manuel à portée de la main pour une consultation ultérieure.

ATTENTION

⚡ RISQUE D'ELECTROCUTION ⚠
NE PAS OUVRIR

MISE EN GARDE: AFIN DE REDUIRE LES RISQUES D'ELECTRO-CUTION, NE PAS DEPOSER LE COUVERCLE, IL N'Y A AUCUNE PIECE UTILISABLE A L'INTERIEUR DE CET APPAREIL. NE CONFIER LES TRAVAUX D'ENTRETIEN QU'A UN PERSONNEL QUALIFIE.

⚡ Ce symbole a pour but de prévenir l'utilisateur de la présence d'une tension dangereuse, non isolée se trouvant à l'intérieur de l'appareil. Elle est d'une intensité suffisante pour constituer un risque d'électrocution. Eviter le contact avec les pièces à l'intérieur de cet appareil.

⚠ Ce symbole a pour but de prévenir l'utilisateur de la présence d'importantes instructions concernant l'entretien et le fonctionnement de cet appareil. Par conséquent, elles doivent être lues attentivement afin d'éviter des problèmes.

AVERTISSEMENT

AFIN DE REDUIRE LES RISQUES D'INCENDIE OU D'ELECTROCUTION, NE PAS EXPOSER CET APPAREIL A LA PLUIE OU A L'HUMIDITE. AUSSI, NE PAS UTILISER LA FICHE POLARISEE AVEC UN PROLONGATEUR OU UNE AUTRE PRISE DE COURANT SAUF SI CES LAMES PEUVENT ETRE INSEREES A FOND. NE PAS OUVRIR LE COFFRET, DES COMPOSANTS HAUTE TENSION SE TROUVENT A L'INTERIEUR. LAISSER A UN PERSONNEL QUALIFIE LE SOIN DE REPARER CET APPAREIL.

DOC avis de conformation

Cet appareil numérique de la classe A respecte toutes les exigences du Réglement sur le Matériel Brouilleur du Canada.

AVERTISSEMENT

Cet équipement a été testé et certifié conforme avec les limitations des équipements numériques de Classe A, conformément à l'article & (du règlement FCC. Ces limites sont conçues pour assurer une protection raisonnable contre les interférences nuisibles lorsque l'équipement est utilisé en milieu commercial. Cet équipement génère, utilise, et peut produire de l'énergie de fréquence radio et, s'il n'est pas installé et utilisé selon le manuel d'instruction, peut provoquer des interférences nuisibles aux communications radio. L'utilisation de cet équipement dans une zone résidentielle est susceptible de provoquer des interférences nuisibles, dans quel cas l'utilisateur est tenu de remédier à ces interférences à ses frais.

Mises en garde et précautions de sécurité

Le moniteur Multimédia PlasmaSync 4200W de NEC est conçu et fabriqués pour assurer une longue durée de service sans problèmes. Aucun entretien à l'exception du nettoyage n'est nécessaire. Utiliser un chiffon doux et sec. Ne jamais utiliser de détergents puissants ou des solvants, tel que l'alcool ouun diluant pour nettoyer le moniteur à écran plasma.

Pour un fonctionnement sûr et afin d'éviter d'endommager l'appareil, lire attentivement et respecter les instructions suivantes.

Afin d'éviter tout risque d'électrocution et d'incendie:

1. Réserver un espace libre suffisant pour la ventilation afin d'éviter une accumulation de chaleur interne. Ne pas couvrir les trous d'aération arrière ou installer l'appareil dans un coffret fermé ou sur une étagère. L'appareil est équipé d'ailettes de refroidissement sur le dessus. Si l'appareil est logé dans un coffret ou sur une étagère, s'assurer qu'il y a un espace libre suffisant pour la dissipation de la chaleur.
2. Ne pas utiliser la fiche polarisée du cordon d'alimentation avec des prolongateurs ou des prises de courant, sauf si les lames peuvent être insérées à fond.
3. Ne pas exposer à L'eau ou à l'humidité.
4. Eviter d'endommager le cordon d'alimentation, et ne pas modifier le cordon d'alimentation.
5. Débrancher l'appareil pendant les tempêtes ou si l'appareil n'est pas utilisé pendant une longue période.
6. Ne pas ouvrir le coffret. Des composants de haute tension se trouvent à l'intérieur. Si l'appareil est endommagé de cette manière, la garantie devient caduque. De plus, il y a risque d'électrocution.
7. Ne pas essayer de réparer ou entretenir l'appareil soi-même. NEC ne saura être tenu pour responsable pour toute blessure ou dommage causé par des personnes non qualifiées qui essayent de réparer ou d'ouvrir le couvercle arrière. Confier toute réparation à un centre de service agréé NEC.

Pour éviter des dommages et prolonger la durée de service de l'appareil:

1. N'utiliser qu'une source d'alimentation de 120 V 50/60 Hz CA. Le fait d'utiliser l'appareil en continu à des tensions de ligne supérieures à 120 Volts CA réduit sa durée de vie et risque de provoquer un incendie.
2. Manipuler l'appareil avec soin pendant son déplacement et ne pas le faire tomber.
3. Eloigner l'appareil des endroits chauds, très poussiéreux et exposés en plein soleil.
4. Eviter que des liquides et des petits objets métalliques pénètrent à l'intérieur de l'appareil. En cas d'accident, débrancher l'appareil et le confier à un centre de service agréé NEC.
5. Ne pas frapper ou rayer la surface de la écran plasma, car des défauts risquent de se produire sur la surface de la écran plasma.
6. Cet équipement doit être installé uniquement par un technicien qualifié du Service après-vente. Aucune autre personne ne doit installer cet équipement. Toute tentative risque de causer des blessures.
7. Ne pas afficher sur l'écran le même arrêt sur image consécutivement pendant une longue durée, sinon l'après-image peut apparaître sur une partie du panneau.

Limited Warranty   Plasma Monitors

NEC Technologies, Inc. (hereafter NECTECH) warrants this product to be free from defects in material and workmanship under the following terms.

HOW LONG IS THE WARRANTY?
Parts and labor are warranted for (1) One Year from the date of the first customer purchase.

WHO IS PROTECTED?
This warranty may be enforced only by the first purchaser.

WHAT IS COVERED AND WHAT IS NOT COVERED
Except as specified below, this warranty covers all defects in material or workmanship in this product. The following are not covered by the warranty:

1. Any product which is not distributed in the U.S.A., Canada and Mexico by NECTECH or which is not purchased in the U.S.A., Canada or Mexico from an authorized NECTECH dealer. If you are uncertain as to whether a dealer is authorized, please contact NECTECH at 800-836-0655.

2. Any product on which the serial number has been defaced, modified or removed.

3. Damage, deterioration or malfunction resulting from:

   a. Accident, misuse, abuse, neglect, fire, water, lightning or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
   b. Repair or attempted repair by anyone not authorized by NECTECH.
   c. Any shipment of the product (claims must be presented to the carrier).
   d. Removal or installation of the product.
   e. Any other cause which does not relate to a product defect.
   f. Burns or residual images upon the phosphor of the tubes.

4. Cartons, carrying cases, batteries, external cabinets, magnetic tapes, or any accessories used in connection with the product.

WHAT WE WILL PAY FOR AND WHAT WE WILL NOT PAY FOR
We will pay labor and material expenses for covered items, but we will not pay for the following:
1. Removal or installation charges.

2. Costs of initial technical adjustments (set-up), including adjustment of user controls. These costs are the responsibility of the NECTECH dealer from whom the product was purchased.

3. Payment of shipping charges.

HOW YOU CAN GET WARRANTY SERVICE
1. To obtain service on your product, consult the dealer from whom you purchased the product.

2. Whenever warranty service is required, the original dated invoice (or a copy) must be presented as proof of warranty coverage. Please also include in any mailing your name, address and a description of the problem(s).

3. For the name of the nearest NECTECH authorized service center, call NECTECH at 800-836-0655.

LIMITATION OF IMPLIED WARRANTIES
All implied warranties, including warranties of merchantability and fitness for a particular purchase, are limited in duration to the length of this warranty.

EXCLUSION OF DAMAGES
NECTECH' s liability for any defective product is limited to the repair or replacement of the product at our option. NECTECH shall not be liable for:
1. Damage to other property caused by any defects in this product, damages based upon inconvenience, loss of use of the product, loss of time, commercial loss; or

2. Any other damages whether incidental, consequential or otherwise. Some states do not allow limitation on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

HOW STATE LAW RELATES TO THE WARRANTY
This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

FOR MORE INFORMATION, TELEPHONE 800-836-0655
NEC TECHNOLOGIES, INC.
1250 N. Arlington Heights Road, Suite 500
Itasca, Illinois 60143-1248

Note: *All products returned to NECTECH for service MUST have prior approval. To get approval, call NEC Technologies at 800-836-0655.*

NECTECH warrants this product distributed or purchased in North America only.

Contents

How to Attach Options to the Plasma Monitor

You can attach your option to the plasma monitor in one of the following two ways:

* As it is made 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.

• **This device cannot be installed on its own. Be sure to use a stand or original mounting unit. (Wall mount unit, Stand, etc)**
  * See page 2.

• **For correct installation and mounting it is strongly recommended to use a trained,authorized NEC dealer.**

  Failure to follow correct mounting procedures could result in damage to the equipment or injury to the installer.

  Product warranty does not couer damage caused by improper installation.

Drawing A

Drawing B
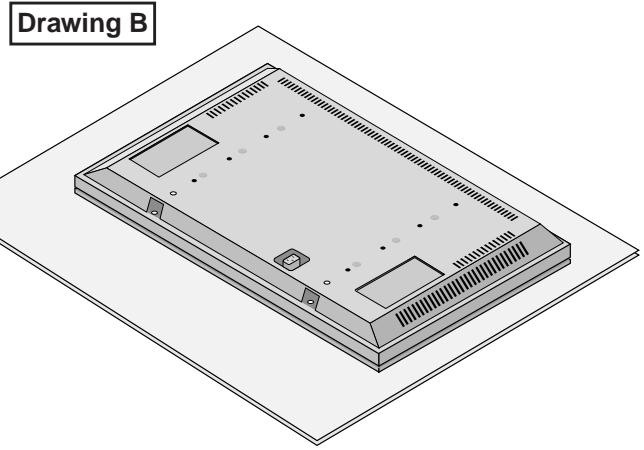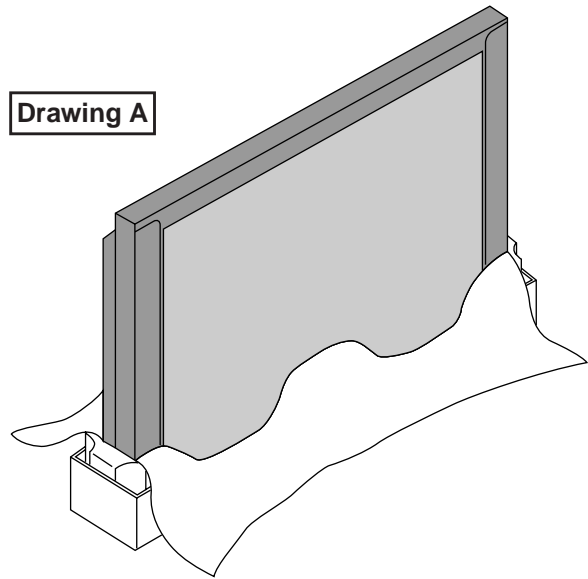
Ventilation Requirements for enclosure mounting

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

1
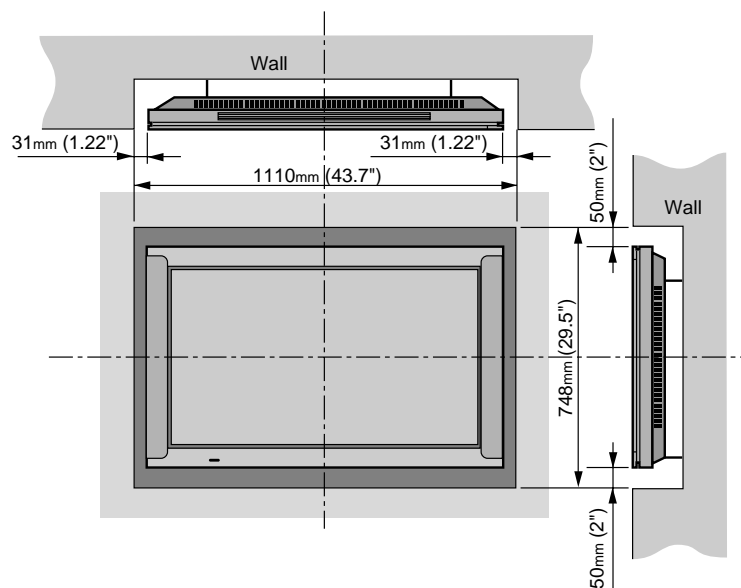
Introduction

Introduction to the PlasmaSync 42-inch Plasma Monitor

NEC's PlasmaSync™ is a seamless blend of cutting-edge visual technology and sophisticated design.

At 42-inches, with a 16:9 aspect ratio, the PlasmaSync™ certainly makes a big impression. However, at a mere 3.6 inches/ 91mm thin, the monitor's sleek techno-art lines blend in well with most interiors. PlasmaSync's crisp, vivid image quality will transform data from any graphic medium from PCs to DVD players- into art.

And weighing only 92.6 lbs/ 42kg, it actually can be hung almost anywhere.

NEC has made sure that a host of multimedia resources can be easily connected and displayed as brilliantly as intended on the PlasmaSync™ monitor.

The features you'll enjoy include:

• 42-inch screen
• 16:9 aspect ratio
• 3.6 in/ 91mm thin
• 92.6 lbs/ 42kg light
• High-resolution screen:853×480 pixels
• 160-degrees of viewing pleasure-horizontally and vertically
• Flicker-and warp-free, full undistorted image, corner to corner.
• Not affected by magnetic fields-no color drifts or screen warps
• VGA, SVGA, NTSC, PAL and SECAM
• PCs, VCRs, Laser Disc and DVD players
• Softscaling automatically converts SVGA signals to VGA
• RGB input(1), Video/S-Video input(1), DVD/ HD input(1), audio output(1), external control input(1)
• CCF (Capsulated Color Filter) and black stripes

Note

These instructions are for both the standard (included) remote control unit and the optional LCD remote controller (PX-RC1E). For details on operating the LCD remote controller, refer to the operating instructions included with LCD remote controller.

• New drive technology
• Component video input terminal for DVD, 15.75kHz (Y, C_B, C_R)
• NEC's OSM™ is a menu-driven control system
• On-screen image adjustments are a snap
• Seven languages (English, German, French, Italian, Spanish, Swedish, and Japanese)
• Facilitate remote adjustment of image size and position, screen geometry, audio levels, and more.
• [Option] A mulfunction LCD Remote Control that makes operation of connected VCR, Laser Disc, and DVD possible from a single unit. It also has a "learning function" that turns it into a total remote control. Also a touch of the panel converts images shown in a conventional 4:3 ratio into a wide screen 16:9 ratio format.

Contents of the Package

☐ PlasmaSync 4200W plasma monitor

☐ Power cord

☐ RGB cable (Mini D-Sub 15-pin to Mini D-Sub 15-pin connector)

☐ Adapter for Macintosh

☐ Remote control unit with two AA Batteries

☐ User's manual

☐ Safety metal fitting (2 pieces)*

☐ Screw for safety metal fitting (2 pieces)*

☐ Plug cable

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

Options

• Wall mount unit
• Ceiling mount unit
• Tilt mount unit
• Stand
• Others

Part Names and Function

Front View

POWER/STANDBY

⏻ INPUT SELECT

① ② ③ ④

∨ VOLUME ∧

⑤
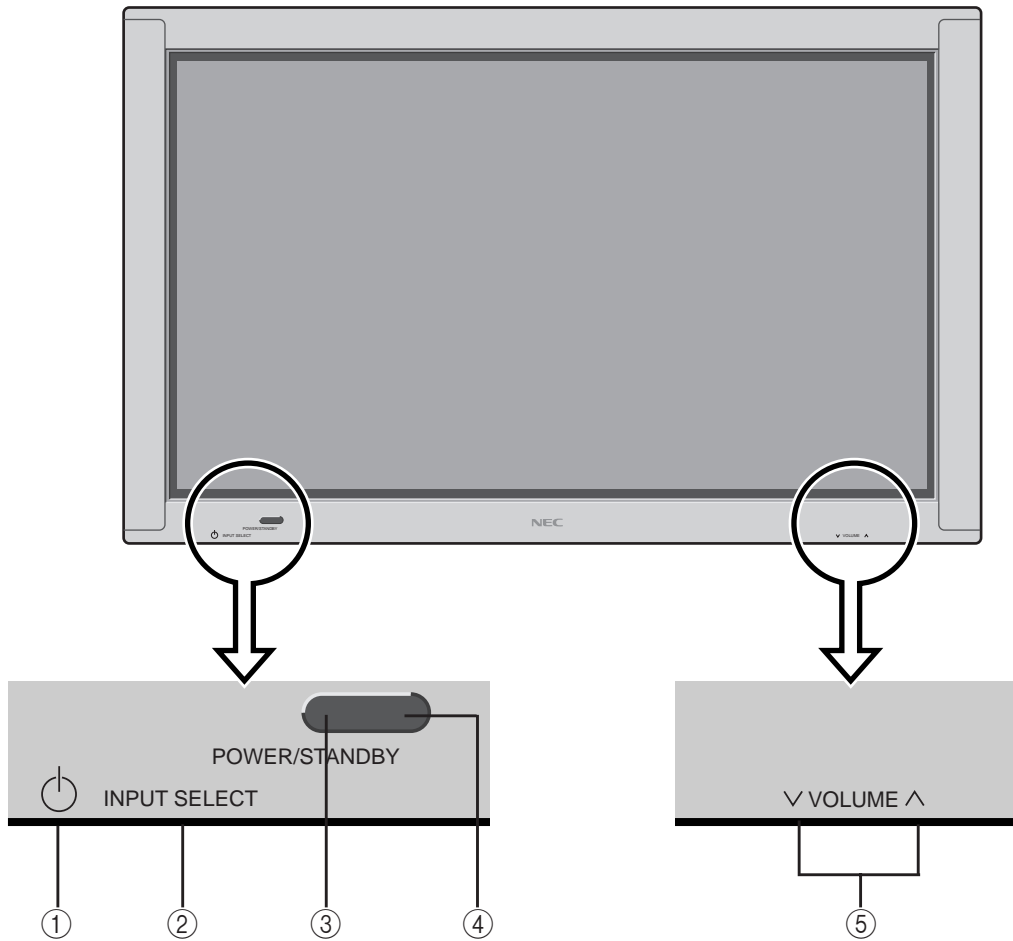
① **Power**

Turns the monitor's power on and off.

② **INPUT SELECT**

Switches the input, in the following order:

→ **VIDEO** → **DVD/HD** → **RGB** ─

③ **POWER/STANDBY indicator**

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

④ **Remote sensor window**

Receives the signals from the remote control unit.

⑤ **VOLUME ∧ and ∨**

Adjust the volume.

Rear View/ Terminal Board
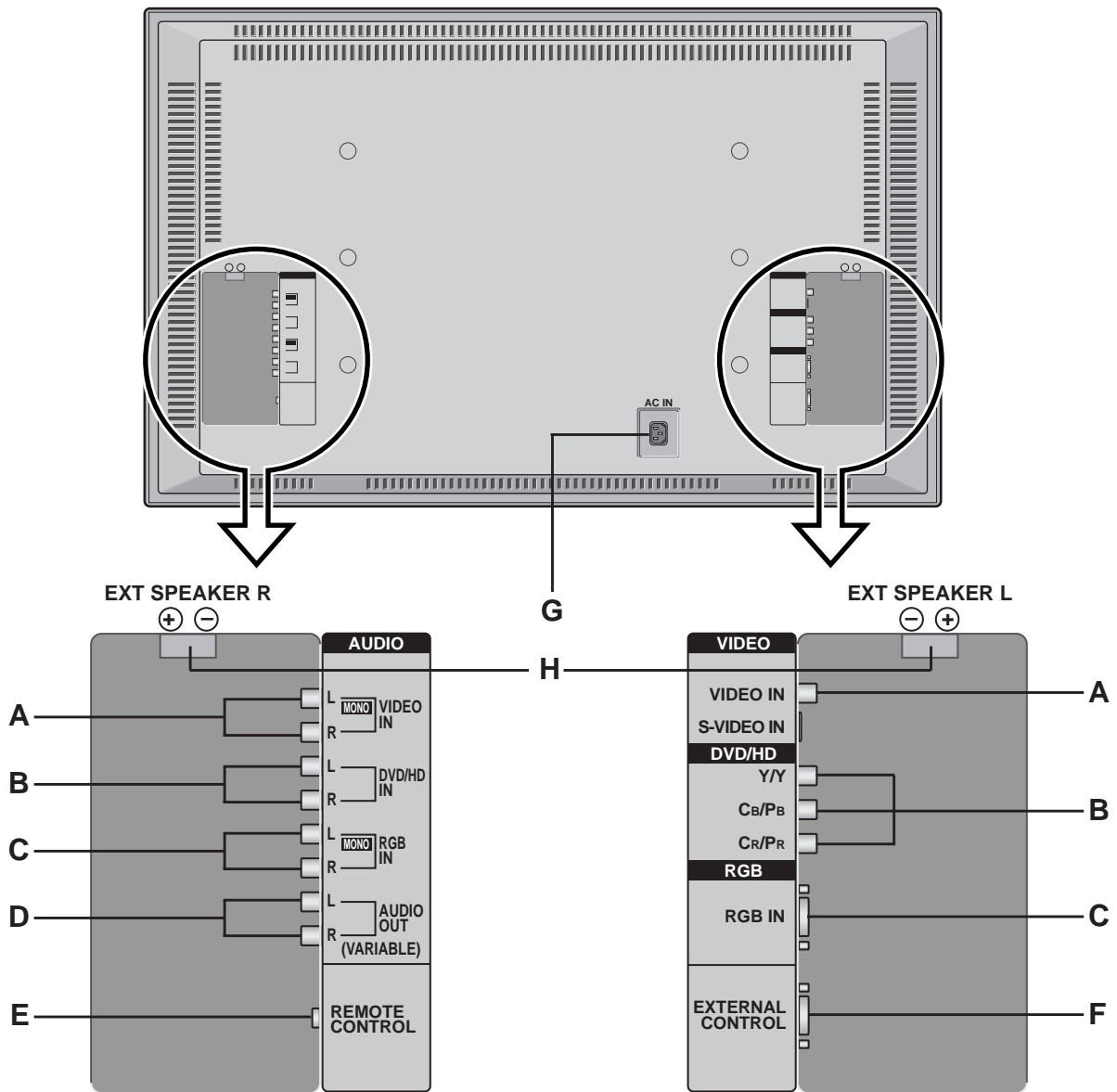
A VIDEO IN/AUDIO IN
  Connect VCR's, DVD's or Laser Discs, etc. here.

B DVD/HD (Y/Y, CB/PB and CR/PR) IN/ AUDIO IN
  Connect DVD's, high definition Laser Discs, etc. here.

C RGB IN/ AUDIO IN
  Connect Computer Source here.

D AUDIO OUT
  Connect to a woofer.
  The output level depends on the volume setting.

E REMOTE CONTROL
  Connect the supplied remote cable here.

F EXTERNAL CONTROL
  Connect this to the PDP control terminal on the AVP selector (optional PX-SL1A). This also serves as your control terminal for a personal computer.

G AC IN
  Connect the included power cord here.

H EXT SPEAKER L and R
  Connect speakers here.

4

Remote Controller
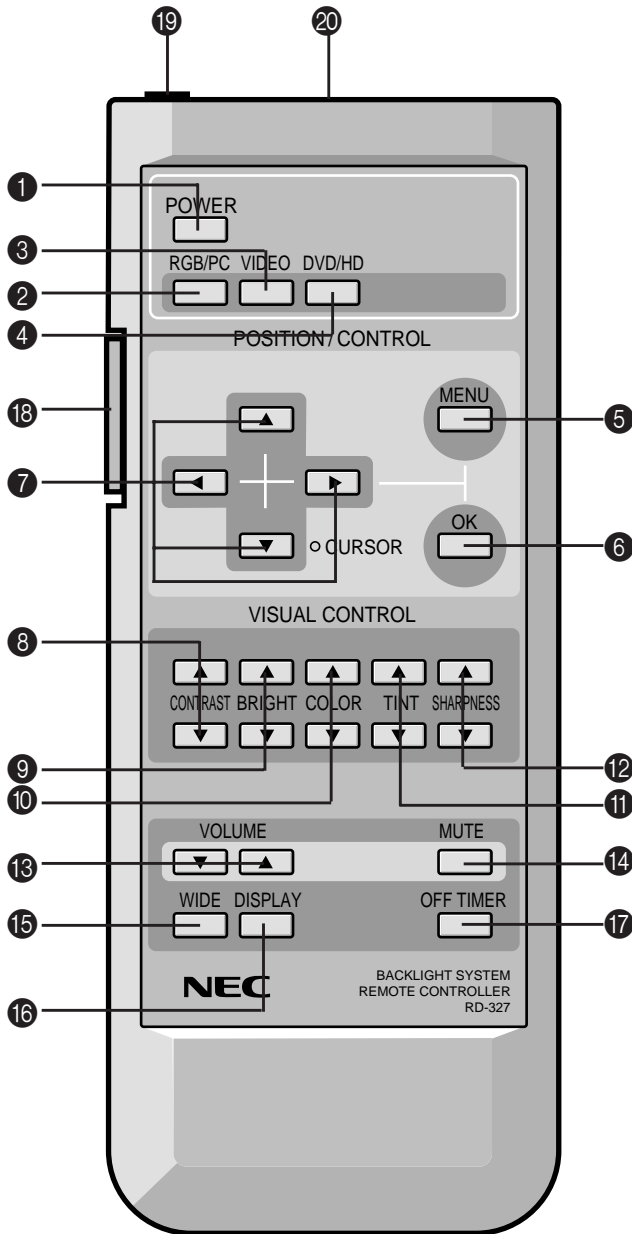
① POWER
Turns the monitor's power on and off.

② RGB/PC
Press this button to select RGB/PC as the source.

RGB/PC can also be selected using the INPUT SELECT button on the monitor. The input switches as follows each time the button is pressed:

$$\rightarrow \textbf{VIDEO} \rightarrow \textbf{DVD/HD} \rightarrow \textbf{RGB/PC} \rightharpoondown$$

③ VIDEO
Press this button to select VIDEO as the source.

VIDEO can also be selected using the INPUT SELECT button on the monitor. The input switches as follows each time the button is pressed:

$$\rightarrow \textbf{VIDEO} \rightarrow \textbf{DVD/HD} \rightarrow \textbf{RGB/PC} \rightharpoondown$$

④ DVD / HD
Press this button to select DVD/HD as the source.

DVD/HD can also be selected using the INPUT SE-LECT button on the monitor. The input switches as follows each time the button is pressed:

$$\rightarrow \textbf{VIDEO} \rightarrow \textbf{DVD/HD} \rightarrow \textbf{RGB/PC} \rightharpoondown$$

⑤ MENU
Use this button to turn the main menu on/off.

⑥ OK
Use this button to approve selections and settings.

⑦ Cursor (▲ / ▼ / ◄ / ►)
Use these buttons to select items or settings and to adjust settings.

⑧ CONTRAST (▲ / ▼)
Adjusts the picture's contrast.

⑨ BRIGHT (▲ / ▼)
Adjusts the picture's brightness.

⑩ COLOR (▲ / ▼)
Adjusts the color density.

⑪ TINT (▲ / ▼)
Adjusts the picture's tint.(NTSC only)

⑫ SHARPNESS (▲ / ▼)
Adjusts the picture's sharpness.

⑬ VOLUME (▲ / ▼)

Adjust the volume.

⑭ MUTE

Mutes the sound.

⑮ WIDE

The type of broadcast is detected automatically, and the recommended wide screen is set.

⑯ DISPLAY

Displays the source settings on the screen.

⑰ OFF TIMER

Activates the off timer for the unit.

⑱ BACK LIGHT switch

Turns the back light on and off.
Turn on when using the remote controller in dark rooms.

> *Note: The backlight key characters may be invisible in a bright-lit room. Make sure that the backlight switch is OFF when the remote control unit is not used.*
> *If no button operation is made whithin 30 seconds when the backlight is lit in the wireless condition, the backlight will go off automatically. To turn the backlight on again, set the switch to the OFF position, then set it to the ON position.*

⑲ Remote Jack

Insert the plug of the supplied remote cable when using the supplied remote control unit in the wired condition. Connecting the monitor and the remote control unit with the supplied remote cable turns on the backlight independent of the backlight switch setting when the monitor is powered on.

⑳ Remote contorol signal transmitter

Transmits the remote control signals.

Battery Installation and Replacement

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

1. Press and pull.
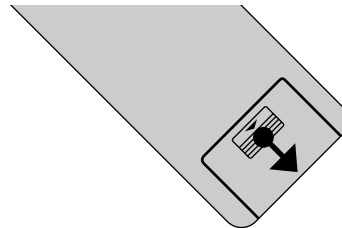
2. Load the batteries in the direction indicated by the "+" and "–" marks in the case.
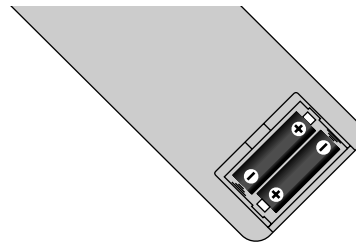
3. Put the lid back on.
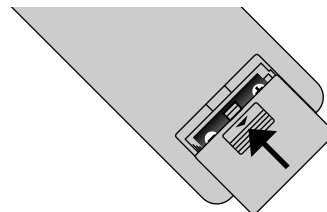
Using the wired remote control mode

Connect the included remote control cable to the remote control unit's "REMOTE CONTROL" terminal.

When the cable is connected, the mode automatically switches to wired remote control.

When the wired remote control mode is used, the remote control unit can be operated even if no batteries are loaded.

Remote Control Cable

To Remote Jack
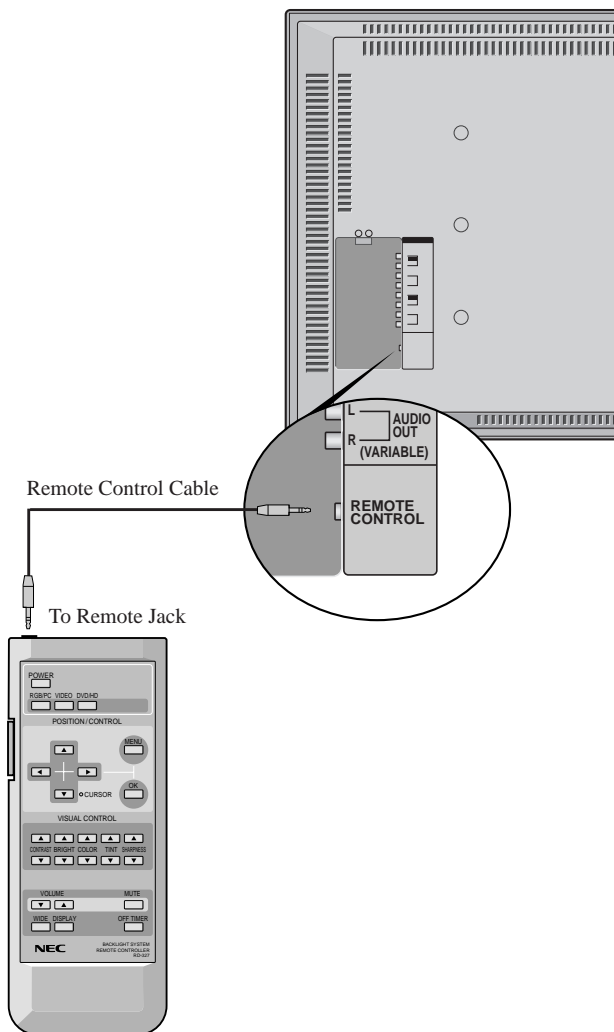
Operating Range

* Use the remote controller within a distance of about 7 m / 23ft. from the front of the monitor's remote control sensor and at a horizontal angle of within 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 unit.

30° 30°

Approx.
7m/ 23ft
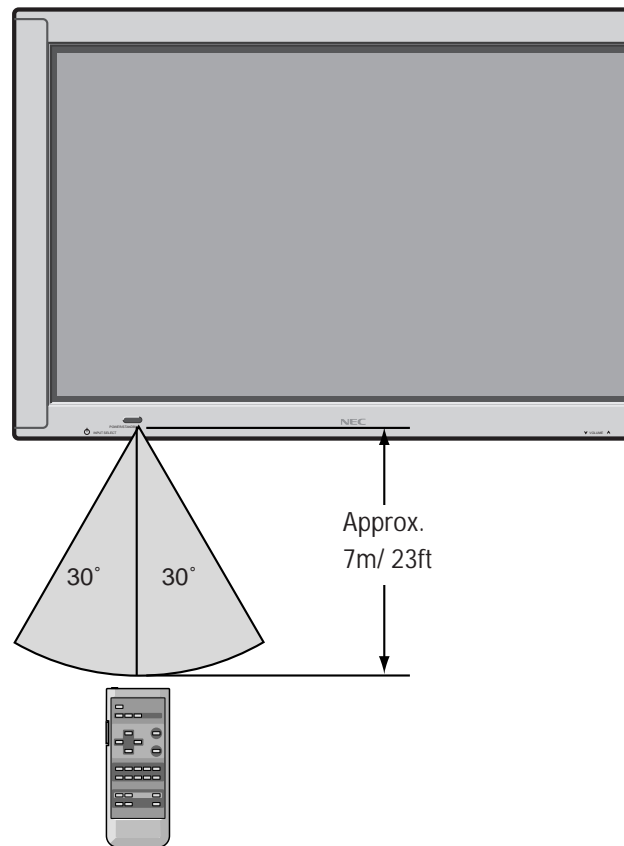
Handling the remote controller

• Do not drop or mishandle the remote control unit.
• Do not get the remote control unit wet. If the remote gets wet, wipe it dry immediately.
• Avoid heat and humidity.
• When not using the remote control unit for a long period, remove the batteries.
• Do not use new and old batteries together, or use different types together.
• Do not take apart the batteries, heat them, or throw them into a fire.
• When using the remote control unit in the wireless condition, be sure to unplug the remote cable from the REMOTE CONTROL terminal on the monitor.

7

Installation

To video, S-video inputs on
the PlasmaSync 4200W

AUDIO

VIDEO IN
L
(MONO)

R

DVD/HD IN
L

R

RGB IN
L
MONO

R

AUDIO OUT
L

R
(VARIABLE)

**REMOTE
CONTROL**

Document Camera

VCR or Laser Disc Player

DVD Player

Signal cable (supplied)
To Mini D-Sub 15 pin connector
on the PlasmaSync 4200W

IBM VGA or Compatibles

Macintosh or Compatibles
(Desk top type)

Monitor adapter for
Macintosh (supplied)

**External
Control**

VIDEO

VIDEO IN

S-VIDEO IN

DVD/HD

Y/Y

C$_B$/P$_B$

C$_R$/P$_R$

RGB

RGB IN

**EXTERNAL
CONTROL**

Connecting Your PC Or Macintosh Computer

Connecting your PC or Macintosh computer to your PlasmaSync 4200W will enable you to display your computer's screen image for an impressive presentation. The PlasmaSync 4200W supports the signals described on page 12.

To connect to a PC, Macintosh or computer equipped with an SVGA/VGA adapter or compatible graphics adapter, simply:

1. Turn off the power to your PlasmaSync 4200W and computer.

2. If your PC does not support SVGA/VGA you will need to install an SVGA/VGA graphics board. Consult your computer's owner's manual for your 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. Use the signal cable that's supplied to connect your PC or Macintosh computer to the PlasmaSync 4200W. For Macintosh, use the supplied monitor adapter to connect to your computer's video port.

4. Turn on the PlasmaSync 4200W and the computer.

5. If the PlasmaSync 4200W goes blank after a period of inactivity, it may be caused by a screen saver installed on the computer you've connected to the PlasmaSync 4200W.

When using a Macintosh with the PlasmaSync 4200W, set the DIP switch of the supplied monitor adapter according to your resolution. After setting, restart your Macintosh.

See the following pages for setting of the DIP switch.

Examples of DIP switch setting

13" fixed mode
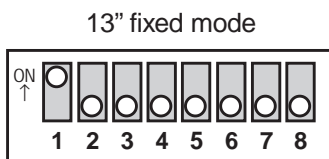
```
ON↑   1 2 3 4 5 6 7 8
```

Connecting Your Document Camera

You can connect your PlasmaSync 4200W to a document camera. To do so, simply:

1. Turn off the power to your PlasmaSync 4200W and document camera.

2. Use a standard video cable to connect your document camera to the Video input on your PlasmaSync 4200W.

3. Turn on the PlasmaSync 4200W and the document camera.

Note: *Refer to your document camera's owner's manual for more information about your camera's video output requirements.*

Connecting Your VCR Or Laser Disc Player

Use common RCA cables (not provided) to connect your VCR or laser disc player to your PlasmaSync 4200W. To make these connections, simply:

1. Turn off the power to your PlasmaSync 4200W 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 PlasmaSync 4200W. Use standard RCA audio patch cords to connect the audio from your VCR or laser disc player to your PlasmaSync 4200W (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 PlasmaSync 4200W 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 PlasmaSync 4200W to a DVD player. To do so, simply:

1. Turn off the power to your PlasmaSync 4200W and DVD player.

2. Use a standard video cable to connect your DVD player to the Y, Cb, and Cr inputs on your PlasmaSync 4200W.

3. Turn on the PlasmaSync 4200W and the DVD player.

External Speaker Connections
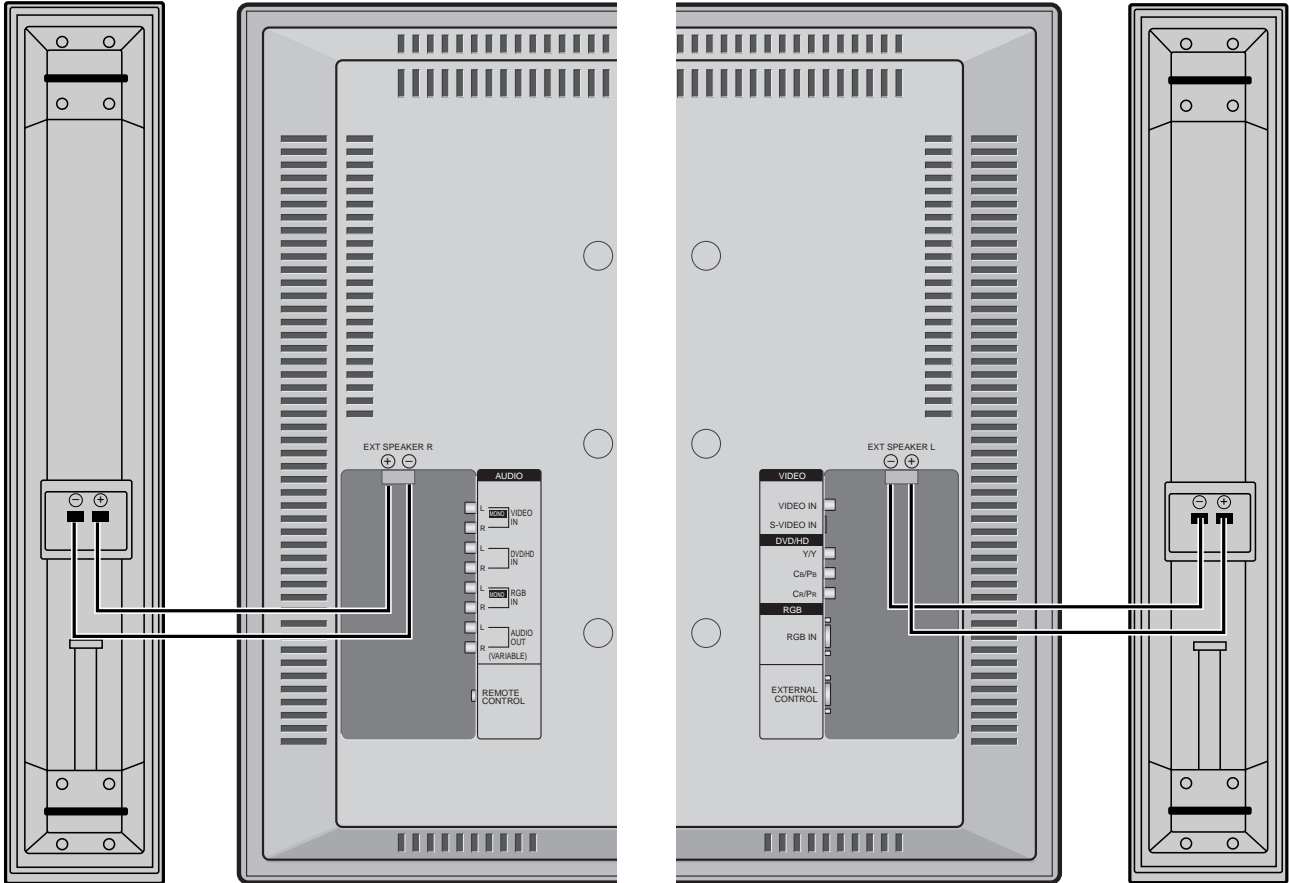
External speakers may be connected to the PlasmaSync 4200W to reproduce sound from VIDEO, DVD or RGB signal sources.

External speakers may be connected directly to the SPEAKERS terminals or indirectly by connecting a stereo system amplifier to the audio outputs.

CAUTION: Unplug the PlasmaSync 4200W and all connected components before connecting external speakers. Use only speakers with 6-ohm impedance and a power output rating of 7 watts or more.

To connect external speakers directly to the PlasmaSync 4200W:

1. Strip the ends of the speaker wires.
2. Press down the tabs below the SPEAKERS terminals, insert the speaker wire and release the tab to secure the speaker wire connection:

   [a] Connect the right speaker (located at right side of the monitor when   viewed from the front) positive (+) wire to RIGHT +.

   [b] Connect the right speaker negative (–) wire to RIGHT -.

   [c] Connect the left speaker negative (–) wire to LEFT–.

   [d] Connect the left speaker positive wire (+) to LEFT+.
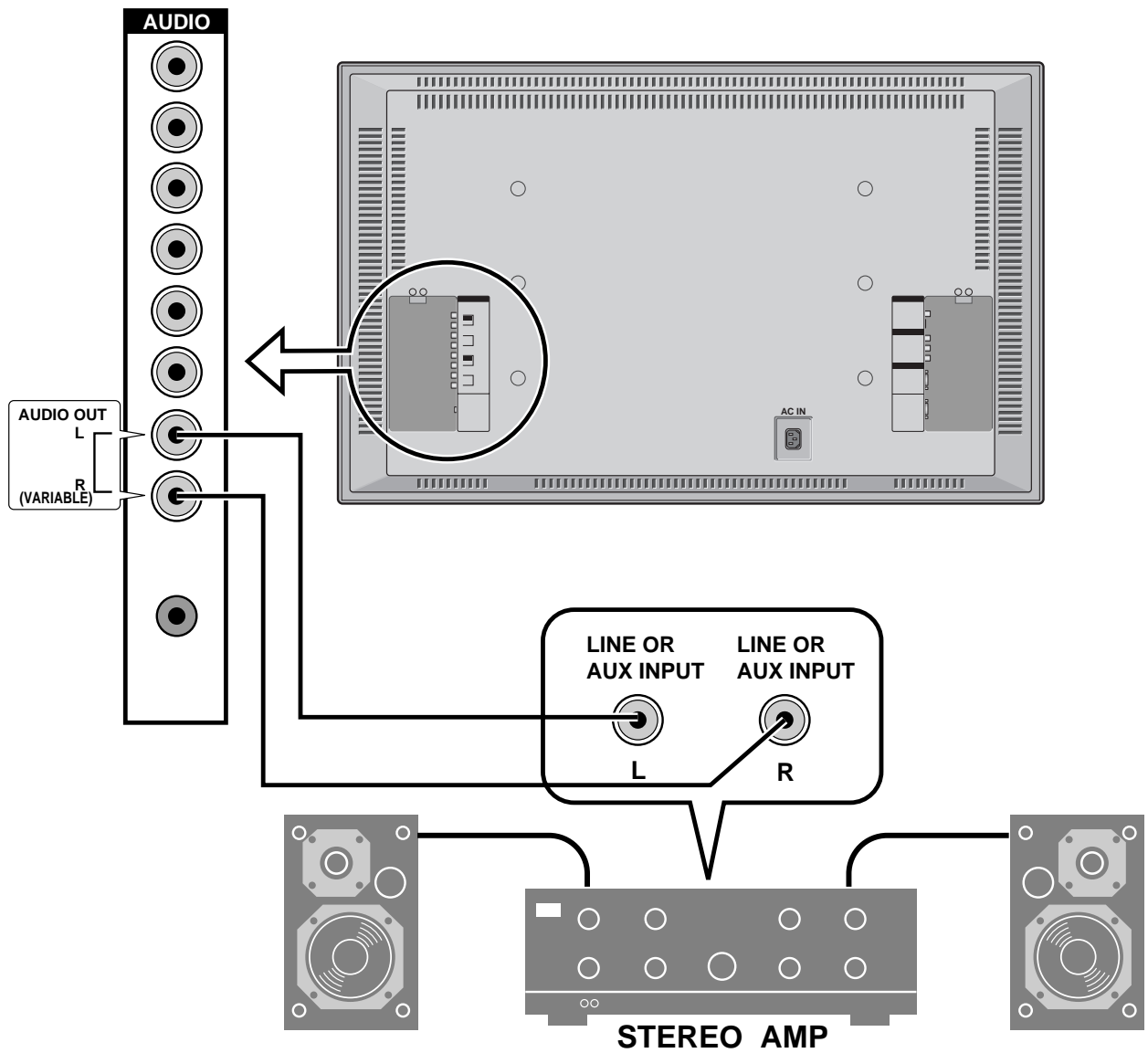
To connect the PlasmaSync 4200W to stereo system speakers:

1. Connect AUDIO OUT L to the stereo amplifier AUX INPUT L.

2. Connect AUDIO OUT R to the stereo amplifier AUX INPUT R.

PC signal compatibility

Model	Dots × lines	Vertical frequency (Hz)	Horizontal frequency (kHz)
*IBM PC/AT compatible computers	640×400	70.1	31.5
	640×480	59.9	31.5
		72.8	37.9
		75.0	37.5
		75.0	39.4
	848×480*2	60.0	31.0
	800×600	56.3	35.2
		60.3	37.9
	*1	72.2	48.1
	*1	75.0	46.9
*Apple Macintosh	640×480	66.7	35.0

*1 Signals with these frequencies are only displayed in the normal mode (4:3).

*2 Only when using a graphic accelerator board that is capable of displaying 848×480.

* "IBM PC/AT" is a registered trademark of International Business Machines, Inc. of the United States.
* "Apple Macintosh" is a registered trademark of Apple Computer, Inc. of the United States.

Mini D-Sub 15 Pin RGB Signal Composition

Pin Assignments and Signal Levels for 15 pin RGB (Analog)
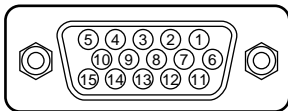
Pin No.	Signal to be connected
1	RED
2	GREEN or Sync. on Green
3	BLUE
4	No Connection
5	GND
6	RED (GND)
7	GREEN (GND)
8	BLUE (GND)
9	No Connection
10	SYNC (GND)
11	No Connection
12	SDA
13	H. sync
14	V. sync
15	SCL

Basic Operations

POWER

To turn the unit ON and OFF:

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

2. Press the POWER button (on the remote controller) to turn on.

   The monitor's POWER/STANDBY indicator will light up(green) when the unit is on.

3. Press the POWER button (on the remote controller or the unit) to turn off.

   The monitor's POWER/STANDBY indicator turns red and the standby mode is set.

VOLUME

To adjust the volume:

1. Press and hold the VOLUME ▲ button (on the remote controller or the unit) to increase to the desired level.

2. Press and hold the VOLUME ▼ button (on the remote controller or the unit) to decrease to the desired level.

MUTE

To cancel the sound:

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

DISPLAY

To check the settings:

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

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

VISUAL CONTROL

TO adjust the picture's contrast:

1, Press and hold the CONTRAST ▲ button for higher contrast.

2, Press and hold the CONTRAST ▼ button for lower contrast.

TO adjust the picture's brightness:

1, Press and hold the BRIGHT ▲ button for a brighter picture.

2, Press and hold the BRIGHT ▼ button for a darker picture.

TO adjust the picture's color:

1, Press and hold the COLOR ▲ button for more color saturation.

2, Press and hold the COLOR ▼ button for less color saturation.

TO adjust the picture's tint (NTSC only):

1, Press and hold the TINT ▲ button for a greener tint.

2, Press and hold the TINT ▼ button for a redder tint.

TO adjust the picture's sharpness:

1, Press and hold the SHARPNESS ▲ button for a sharper picture.

2, Press and hold the SHARPNESS ▼ button for a softer picture.

*If no key operation is made within five seconds, the OSM display will disappear.

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 OFF TIMER button to start the timer at 30 minutes.

2. Press the OFF TIMER button to the desired time.

3. The timer starts when the menu turns off.

$\rightarrow$ **30** $\rightarrow$ **60** $\rightarrow$ **90** $\rightarrow$ **120** $\rightarrow$ **0**

```
OFF TIMER30
```
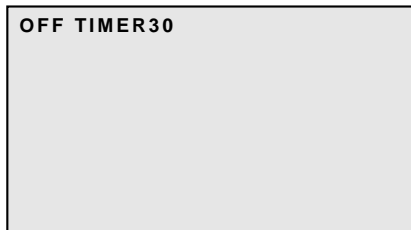
To check the remaining time:

1. Once the off timer has been set, press the OFF TIMER 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 TIMER28
```
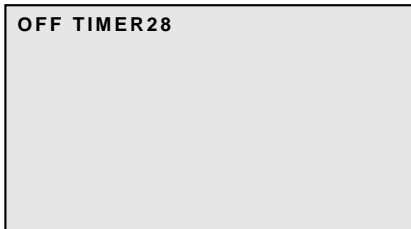
Canceling the off timer

1. Press the OFF TIMER button twice in a row.

2. The off timer is canceled.

```
OFF TIMER0
```

Note:

After the power is turned off with the off timer ...
A slight current is still supplied to the monitor. When you are leaving home or do not plan to use the system for a long period of time, turn off the power of the monitor.

WIDE Operations

Watching with a wide screen (manual)

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

When watching videos or high definition laser discs

1. Press the "WIDE/AUTO WIDE" button on the remote controller.

2. *Within 3 seconds ...*

   Press the "WIDE/AUTO WIDE" button again.
   The screen size switches as follows:

   $\rightarrow$ **ZOOM** $\rightarrow$ **NORMAL** $\rightarrow$ **FULL** $\rightarrow$ **STADIUM** $\rightarrow$
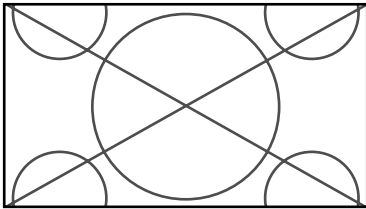
ZOOM size screen

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

NORMAL size screen (4:3)

The normal size screen is displayed.
* The picture has the same size as normal video pictures (4:3).

FULL size screen

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. (Normal images are expanded in the horizontal direction.)

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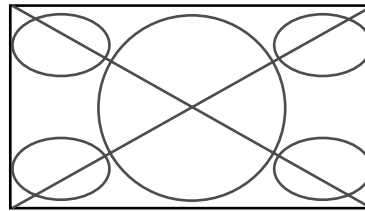
The picture is expanded in the horizontal and vertical directions at different ratios.
* Use this for watching normal video programs (4:3) with a wide screen.

Watching computer images with a wide screen

Switch to a wide screen for a more powerful picture.

1. Press the "WIDE / AUTO WIDE" button on the remote controller.

2. *Within 3 seconds ...*

   Press the "WIDE/AUTO WIDE" button again.
   The screen size switches as follows:

   → **NORMAL** → **FULL**

NORMAL size screen (4:3)
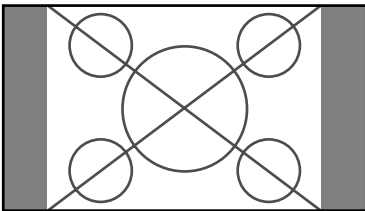
The picture has the same size as the normal computer image.

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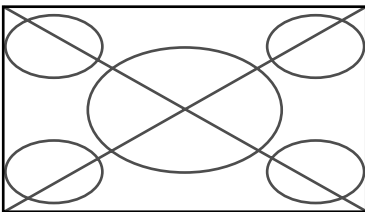
The image is expanded in the horizontal direction.

Information

■ **Supported resolution**

- When 800 dot × 600 line signals are input, they are automatically scaled to 640 dot × 480 line or 800 dot × 480 line signals.
- When 852 dot × 480 line wide VGA (*) signals with a vertical frequency of 60 Hz and horizontal frequency of 31.72 kHz are input, select "ON" for the "WIDE RGB " setting.
- * "IBM PC/AT" and "VGA" are registered trademarks of IBM, Inc. of the United States.

OSM(On Screen Menu) Controls

Menu Operations

Actually the OSM is displayed with respect the to screen as shown on the diagram.

* Depending on the screen's mode, the OSM may be displayed slightly differently.
In the explanation, the OSM section is shown close up.

```
MAIN MENU
□ PICTURE/SOUND
⊟ SCREEN
Ⓣ FUNCTION
ⓘ INFORMATION
                    ↕ SEL.
                 OK OK
                 MENU EXIT
```
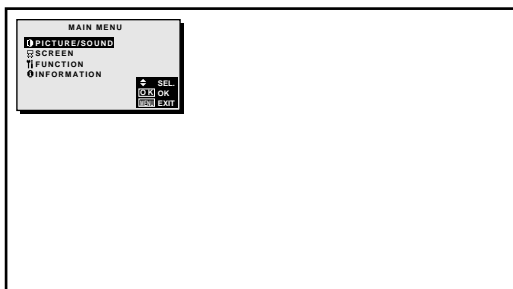
The following describes how to use the menus and the selected items.

1. Press the MENU button on the remote controller to display the MAIN MENU.

```
          MAIN MENU

  □ PICTURE/SOUND
  ⊟ SCREEN
  Ⓣ FUNCTION
  ⓘ INFORMATION
                      ↕  SEL.
                   OK  OK
                   MENU  EXIT
```
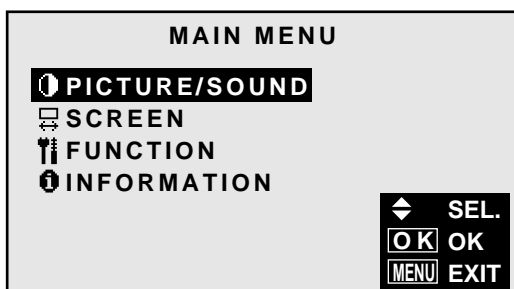
2. Press the cursor buttons ▲ ▼ on the remote controller to highlight the menu you wish to enter.

3. Press the OK button on the remote controller to select a submenu or item.

```
        PICTURE/SOUND

  □ PICTURE
  PICTURE MODE : ◀ MEMORY ▶
  N R          :  N R – 1
  ♪ SOUND
  ▣ RETURN          ↕  SEL.
                    ◀▶  ADJ.
                 MENU  EXIT
```
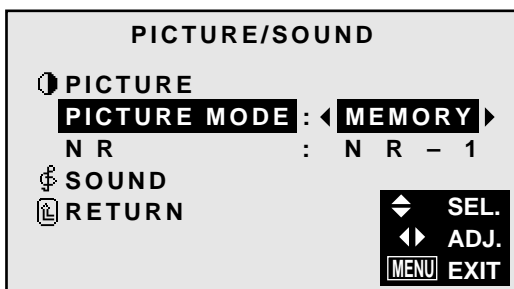
4. Adjust the level or change the setting of the selected item by using the cursor buttons ◀ ▶ on the remote controller.

5. The change is stored until you adjust it again.

6. Repeat steps 2 – 5 to adjust an additional item, or press the MENU button on the remote controller to exit the menu display.

Main menu	Sub menu	Functions
PICTURE/SOUND	PICTURE	Adjusts the contrast, brightness, sharpness, color and tint.
	PICTURE MODE	Sets the picture mode according to the VIDEO environment and image software.
	NR	Reduces noise visible in image.
	SOUND	Sets the bass, treble and left/right balance.

Main menu	Sub menu	Functions
SCREEN	WIDE ADJ.	Adjusts the wide screen's vertical position and size.
	RGB ADJ.	Adjusts the computer image's vertical and horizontal positions, fine picture, picture adj.
	OSM ADJ.	Adjusts the vertical and horizontal positions of the menu display.

Main menu	Sub menu	Functions
FUNCTION	POWER MGT	Sets the monitor for use as an energy-saving display when used with a computer.
	RGB SELECT	Sets whether to use the RGB still mode or moving picture (video) mode when a computer is connected.
	WIDE RGB	Switches the screen when 852 dot x 480 line signals are inputted (when set to "ON"). Normally set to "AUTO".
	OSM	Turns the on-screen display (channel number, screen mode, etc.) off (when set to "OFF"). When set to "ON", the on-screen display is displayed.
	RESET	Resets all the settings (PICTURE, SOUND, WIDE adjustments, RGB adjustments, OSM adjustments) to the factory default values.

Main menu	Sub menu	Functions
INFORMATION	FREQUENCY	Used to check the frequency and synchronizing polarities of the signal currently being inputted.
	COMMUNICATION	Sets the main menu display for the connected equipment (monitor or selector).
	LANGUAGE	Sets the language of the menus (Japanese, English, German, French, Swedish, Italian or Spanish).
	COLOR SYSTEM	Sets the VIDEO format (PAL, SECAM, 4.43 NTSC or 3.58 NTSC).

Picture/Sound Settings Menu

Adjusting the picture

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

Example: Adjusting the brightness

Press the MENU button on the remote controller to display the MAIN MENU on the screen, then...

1. Use the ▲ and ▼ buttons to select "PICTURE/SOUND", then press the "OK" button.
   The "PICTURE/SOUND" screen appears.

2. Use the ▲ and ▼ buttons to select "PICTURE", then press the "OK" button.

```
        PICTURE/SOUND

  ◖ PICTURE
     PICTURE MODE :  MEMORY
     N R          :  N R – 1
  ♪ SOUND
  ▣ RETURN                ⬍  SEL.
                        OK  OK
                        MENU  EXIT
```
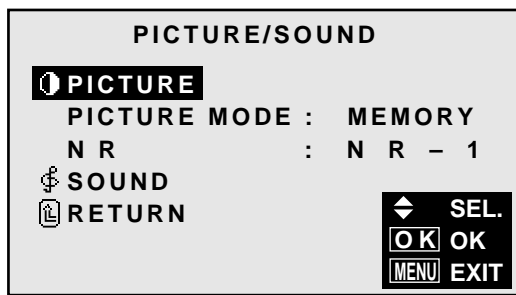
The "PICTURE" screen appears.

3. *To adjust the brightness ...*
   Use the ▲ and ▼ buttons to select "BRIGHTNESS".

```
            PICTURE

  ◖ CONTRAST   :   ■
  ☼ BRIGHTNESS: ◀  ■  ▶
  ◉ SHARPNESS :   ■
  ◕ COLOR      :   ■
  ▯ TINT       :   ■      ⬍  SEL.
  ▣ RETURN               ◀▶  ADJ.
                        MENU  EXIT
```

4. Use the ◀ and ▶ buttons to adjust the picture.

```



            BRIGHTNESS
  ◀ ▬ █████████████ ■ ┼ ▶
```

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

5. Press the "OK" button.
   The brightness adjustment is completed.

```
            PICTURE

  ◖ CONTRAST   :   ■
  ☼ BRIGHTNESS: ◀  ■  ▶
  ◉ SHARPNESS :   ■
  ◕ COLOR      :   ■
  ▯ TINT       :   ■      ⬍  SEL.
  ▣ RETURN               ◀▶  ADJ.
                        MENU  EXIT
```
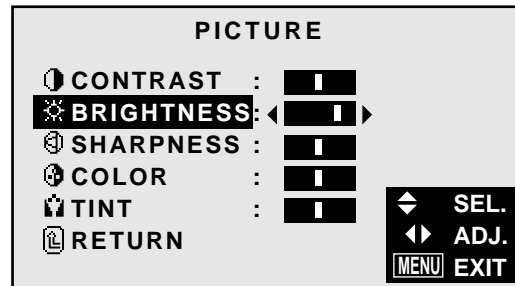
6 Once the adjustment is completed ...
   Press the "MENU" button.
   All menus disappear.

Note: If "CAN NOT ADJUST" appears ...
When trying to enter the PICTURE submenu, make sure PICTURE MODE is set to MEMORY.

Information

■ Picture adjustment screen

CONTRAST .... Changes the picture's contrast.

BRIGHTNESS .... Changes the picture's brightness.

SHARPNESS ..... Changes the picture's sharpness. Adjust for the desired sharpness.

COLOR .... Changes the color density.

TINT .... Changes the picture's tint. (NTSC only)
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 "RESET" 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.

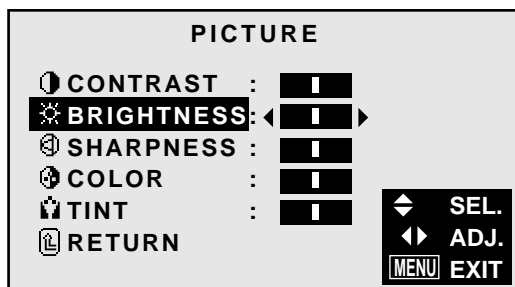Example: Setting the "THEATER" mode

Press the MENU button on the remote controller to display the MAIN MENU on the screen, then...

1. Use the ▲ and ▼ buttons to select "PICTURE/ SOUND", then press the "OK" button.
   The "PICTURE/SOUND" screen appears.

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

```
         PICTURE/SOUND

 ◑ PICTURE
   PICTURE MODE : ◀ MEMORY ▶
   N R          :  N R – 1
 ♪ SOUND
 🔲 RETURN            ⬍   SEL.
                     ◀▶  ADJ.
                    MENU EXIT
```
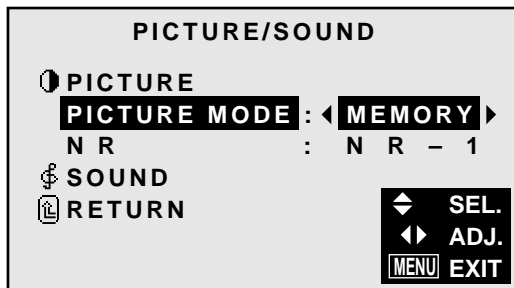
3. *To set to "THEATER" ...*
   Use the ◀ and ▶ buttons to select "THEATER".
   The mode switches as follows when the ◀ and ▶ buttons are pressed:
   → MEMORY ↔ THEATER ↔ NORMAL ↔ RESET ←
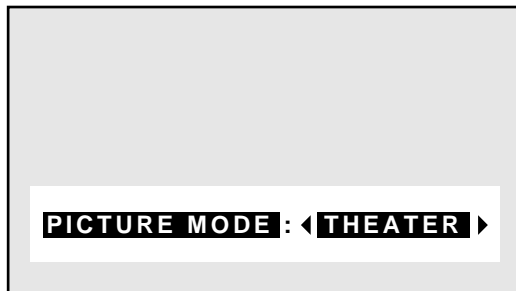
```
   PICTURE MODE : ◀ THEATER ▶
```

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

4. Press the "OK" button.
   The picture mode is set to "THEATER".

```
         PICTURE/SOUND

 ◑ PICTURE
   PICTURE MODE : ◀ THEATER ▶
   N R          :  N R - 1
 ♪ SOUND
 🔲 RETURN            ⬍   SEL.
                     ◀▶  ADJ.
                    MENU EXIT
```

5. *Once the adjustment is completed ...*
   Press the "MENU" button.
   All menus disappear.

Information

■ Types of picture modes

MEMORY ...... The last picture adjustments are stored here.

THEATER ...... Set this mode when watching video in a dark room.
This mode provides darker, finer pictures, like the screen in movie theaters.

NORMAL .... Set this mode when watching video in a bright room.
This mode provides dynamic pictures with distinct differences between light and dark sections.

RESET .... Use this to reset the picture to the factory default settings.

Reducing noise in the picture

Use these settings if the picture is noise due to poor reception or when playing video tapes on which the picture quality is poor.

Example: Setting "NR-2"

Press the MENU button on the remote controller to display the MAIN MENU on the screen, then...

1. Use the ▲ and ▼ buttons to select "PICTURE/ SOUND", then press the "OK" button.
   The "PICTURE/SOUND" screen appears.
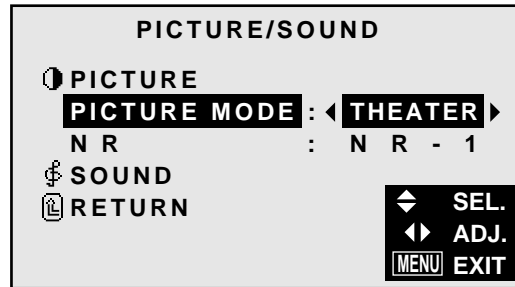
2. Use the ▲ and ▼ buttons to select "NR ".

```
         PICTURE/SOUND
 ◖ PICTURE
   PICTURE MODE :  MEMORY
   N R              : ◀ N R – 1 ▶
 ♪ SOUND
 ⊡ RETURN                  ◆   SEL.
                           ◀▶  ADJ.
                          MENU  EXIT
```
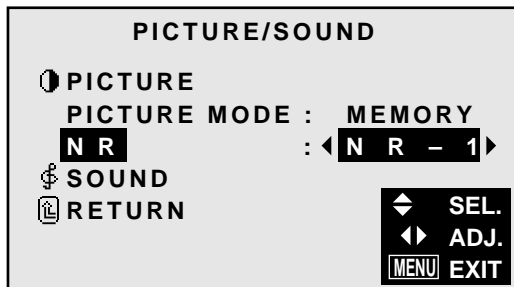
3. Use the ◀ and ▶ buttons to select "NR-2".
   The mode switches as follows when the ◀ and ▶ buttons are pressed:

   ┌→ **OFF** ↔ **NR–1** ↔ **NR–2** ↔ **NR–3** ←┐

```



   N R              : ◀ N R  -  2 ▶
```

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

4. Press the "OK" button.
   The noise reduction mode is set to "NR-2".

```
         PICTURE/SOUND
 ◖ PICTURE
   PICTURE MODE :  MEMORY
   N R              : ◀ N R – 2 ▶
 ♪ SOUND
 ⊡ RETURN                  ◆   SEL.
                           ◀▶  ADJ.
                          MENU  EXIT
```

5. Once the setting is completed ...
   Press the "MENU" button.
   All menus disappear.

Information

■ **NR**

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

■ **Types of noise reduction**

There are three types of noise reduction. Each has a different level of noise reduction.

NR-1

NR-2

NR-3

OFF .... Turns the noise reduction function off.

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

Example: Adjusting the bass

Press the MENU button on the remote controller to display the MAIN MENU on the screen, then...

1. Use the ▲ and ▼ buttons to select "PICTURE/ SOUND", then press the "OK" button.
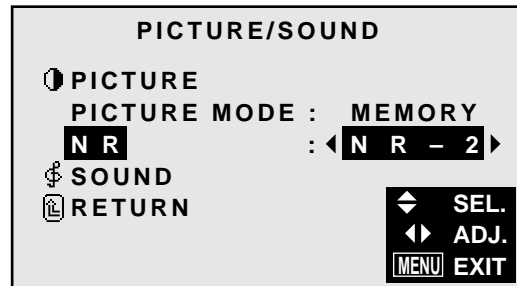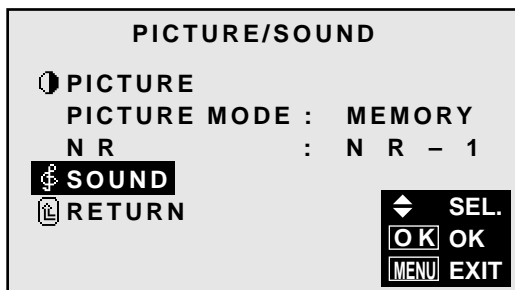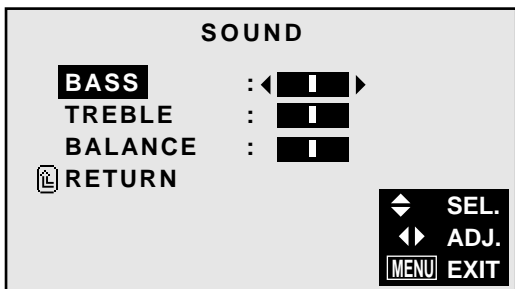   The "PICTURE/SOUND" screen appears.

2. Use the ▲ and ▼ buttons to select "SOUND", then press the "OK" button.

```
            PICTURE/SOUND

     ◖ PICTURE
       PICTURE MODE :   MEMORY
       N R            :   N R – 1
     ♬ SOUND
     ⬔ RETURN
                            ⬍  SEL.
                          OK  OK
                          MENU  EXIT
```

The "SOUND" screen appears.

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

```
              SOUND

       BASS       : ◀ ▐ ▌ ▶
       TREBLE     :   ▐ ▌
       BALANCE    :   ▐ ▌
     ⬔ RETURN
                            ⬍  SEL.
                          ◀▶  ADJ.
                          MENU  EXIT
```

4. Adjust the bass using the ◀ and ▶ buttons.
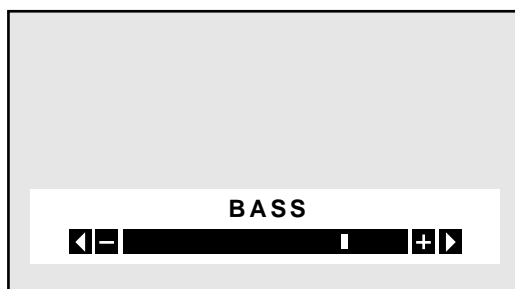
```



              BASS
     ◀ ─ ▬▬▬▬▬▬ ▌ ▬▬▬▬ + ▶
```

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

To continue adjusting the sound ...
Repeat from step 3.

5. Press the "OK" button.
   The bass has now been adjusted.
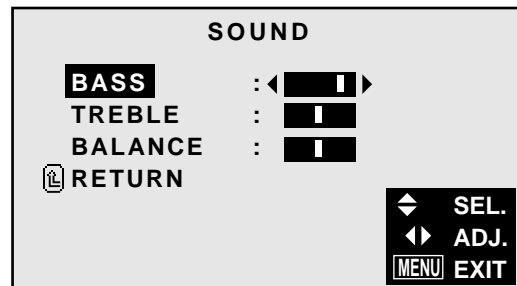
```
              SOUND

       BASS       : ◀ ▐ ▌ ▶
       TREBLE     :   ▐ ▌
       BALANCE    :   ▐ ▌
     ⬔ RETURN
                            ⬍  SEL.
                          ◀▶  ADJ.
                          MENU  EXIT
```

6. Once the adjustment is completed ...
   Press the "MENU" button.
   All menus disappear.

Information

■ **Sound settings menu**

BASS .... Changes the level of low frequency sound.

TREBLE .... Changes the level of high frequency sound.

BALANCE .... Changes the balance of the left and right channels.

■ **Restoring the factory default settings**

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

Screen Settings Menu

Adjusting the position and size of the wide screen
The position and size of the wide screen can be fine-adjusted.

Example: Adjusting the vertical position in the zoom mode

Press the MENU button on the remote controller to display the MAIN MENU on the screen, then...

1. Use the ▲ and ▼ buttons to select "SCREEN", then press the "OK" button.
   The "SCREEN" screen appears.

2. Use the ▲ and ▼ buttons to select "WIDE ADJ.", then press the "OK" button.

```
              SCREEN

  📺 WIDE ADJ.
     RGB ADJ.
     OSM ADJ.
  📖 RETURN
                          ◆  SEL.
                        O K  OK
                        MENU  EXIT
```
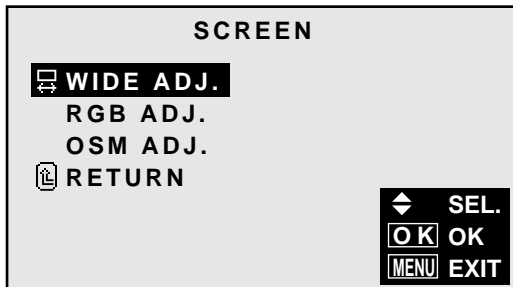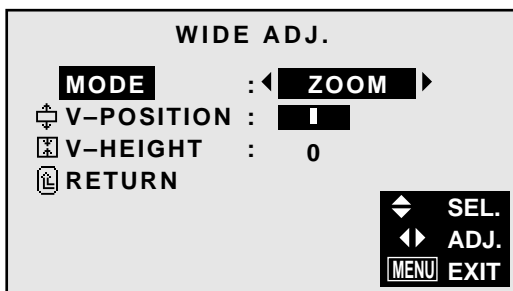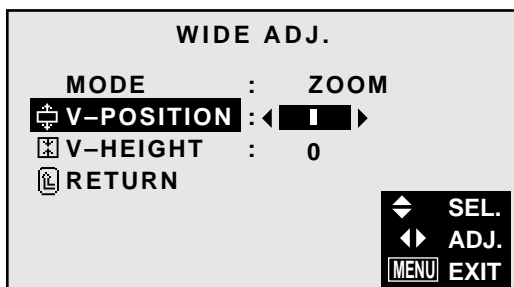
   The "WIDE ADJ." screen appears.

3. *To adjust the zoom mode ...*
   Use the ◀ and ▶ buttons to select "ZOOM".

   The mode switches as follows when the ◀ and ▶ buttons are pressed:

   → **ZOOM** ↔ **NORMAL** ↔ **FULL** ↔ **STADIUM** ←

```
             WIDE ADJ.

   MODE          : ◀  ZOOM   ▶
  ⬍ V–POSITION   :    █
  ⊠ V–HEIGHT     :    0
  📖 RETURN
                          ◆  SEL.
                          ◀▶  ADJ.
                        MENU  EXIT
```

   *The mode can also be switched by pressing the "WIDE/AUTO WIDE" button on the remote controller.

4. *To adjust the vertical position ...*
   Use the ▲ and ▼ buttons to select "V-POSITION".
5. Adjust using the ◀ and ▶ buttons.

```
             WIDE ADJ.

   MODE          :    ZOOM
  ⬍ V–POSITION   : ◀ █  ▶
  ⊠ V–HEIGHT     :    0
  📖 RETURN
                          ◆  SEL.
                          ◀▶  ADJ.
                        MENU  EXIT
```

* If neither the ◀ or ▶ button is pressed within 5 sec-

```
          V–POSITION
  ◀ ━━━━━━━━━━━ █ ━━━ + ▶
```
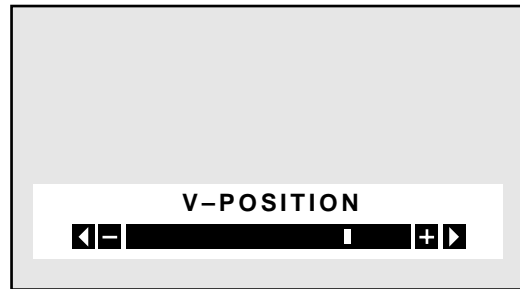
onds, the current adjustment is set and the previous screen reappears.

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

6. Press the "OK" button.
   The wide screen's vertical position has now been adjusted.

7. *Once the adjustment is completed ...*

```
             WIDE ADJ.

   MODE          :    ZOOM
  ⬍ V–POSITION   : ◀█  █ ▶
  ⊠ V–HEIGHT     :    0
  📖 RETURN
                          ◆  SEL.
                          ◀▶  ADJ.
                        MENU  EXIT
```

Press the "MENU" button.
All menus disappear.

Information

■ **Adjusting the wide screen**

V-POSITION .... Adjusts the vertical position of the picture.
V-HEIGHT .... Adjusts the vertical size of the picture.

■ **Restoring the factory default settings**

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

Adjusting the Position, Fine Picture and Picture Adj of a computer image

When a computer image is displayed, the position of the image can be adjusted and flickering of the image can be corrected.

Example: Adjusting the vertical position in the normal mode

Press the MENU button on the remote controller to display the MAIN MENU on the screen, then...

1. Use the ▲ and ▼ buttons to select "SCREEN", then press the "OK" button.
   The "SCREEN" menu appears.

2. Use the ▲ and ▼ buttons to select "RGB ADJ.", then press the "OK" button.

```
            SCREEN

   WIDE ADJ.
   RGB ADJ.
   OSM ADJ.
   RETURN
                        ◆  SEL.
                       OK  OK
                      MENU EXIT
```

The "RGB ADJ." screen appears.

3. *To adjust the normal mode ...*
   Use the ◀ and ▶ buttons to select "NORMAL".
   The mode switches as follows when the ◀ and ▶ buttons are pressed:

   → **NORMAL ↔ FULL** ←

```
            RGB ADJ.

   MODE        :◀ NORMAL ▶
   V–POSITION  :   ■
   H–POSITION  :   ■
   FINE PICTURE:   ■
   PICTURE ADJ.:   ■     ◆  SEL.
   RETURN               ◀▶ ADJ.
                      MENU EXIT
```

* The mode can also be switched by pressing the "WIDE/AUTO WIDE" button on the remote controller.

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

```
            RGB ADJ.

   MODE        :  NORMAL
   V–POSITION  :◀ ■   ▶
   H–POSITION  :   ■
   FINE PICTURE:   ■
   PICTURE ADJ.:   ■     ◆  SEL.
   RETURN               ◀▶ ADJ.
                      MENU EXIT
```

5. Adjust using the ◀ and ▶ buttons.

```



            V–POSITION
   ◀ ─              ■        + ▶
```
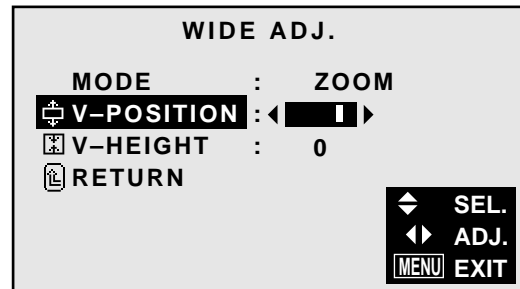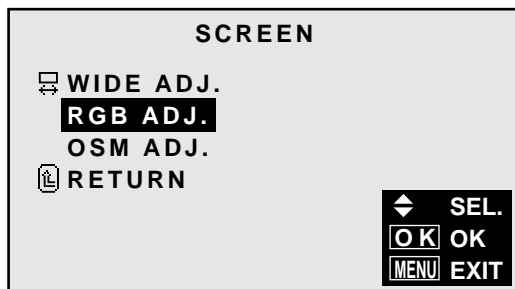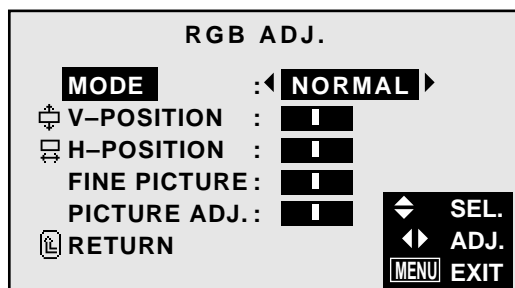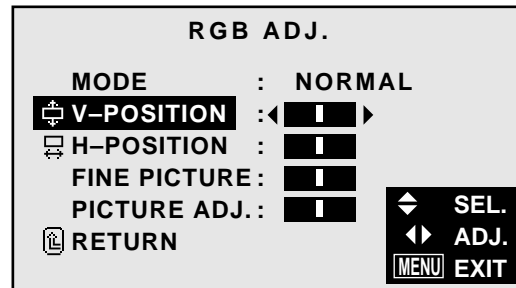
* If neither the ◀ or ▶ button is pressed within 5 seconds, the current adjustment is set and the previous screen reappears.

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

6. Press the "OK" button.
   The wide screen's vertical position has now been adjusted.

```
            RGB ADJ.

   MODE        :  NORMAL
   V–POSITION  :◀ ■   ▶
   H–POSITION  :   ■
   FINE PICTURE:   ■
   PICTURE ADJ.:   ■     ◆  SEL.
   RETURN               ◀▶ ADJ.
                      MENU EXIT
```
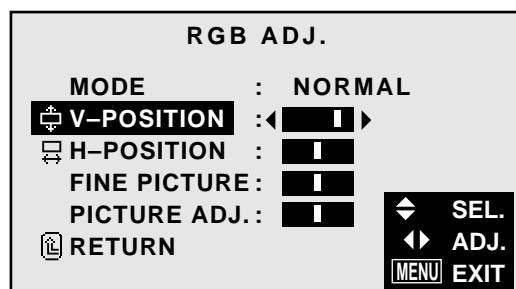
7. *Once all adjustments are completed ...*
   Press the "MENU" button.
   All menus disappear.

Information

■ **Screen modes**

FULL* .... The image is displayed over the entire screen. Set this mode for wide images. (16 : 9)
An 800×600 input signal is converted to an 800×480 signal.

NORMAL* .... Set this mode for the same size as normal VIDEO pictures (4:3).
An 800×600 input signal is converted to a 640×480 signal.

* For compatibility set Table for Signals Supported on page 36.

Adjusting the position of the computer image

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

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

FINE PICTURE .. Adjusts for flickering.

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

■ **Restoring the factory default settings**

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

Adjusting the position of the menu display

Use these operations to adjust the position of the menus that appear on screen.

Example: Adjusting the vertical position of the menu display

Press the MENU button on the remote controller to display the MAIN MENU on the screen, then...

1. Use the ▲ and ▼ buttons to select "SCREEN", then press the "OK" button.
   The "SCREEN" menu appears.

2. Use the ▲ and ▼ buttons to select "OSM ADJ.", then press the "OK" button.

The "OSM ADJ." screen appears.

3. *To adjust the vertical position ...*
   Use the ▲ and ▼ buttons to select "V-POSITION".
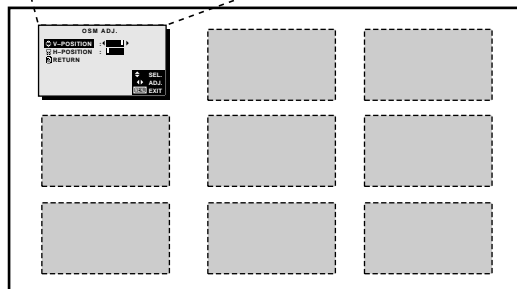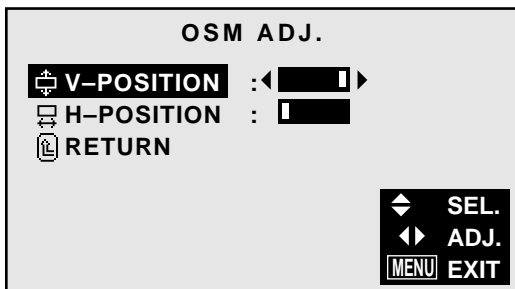
4. Adjust using the ◀ and ▶ buttons.
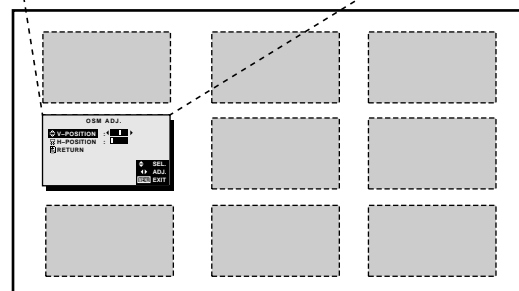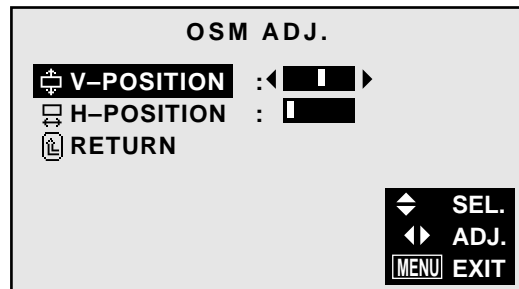
To continue making other menu position adjustments...
Repeat from step 3.

5. *Once all adjustments are completed ...*
   Press the "MENU" button.
   The menu disappears.

Information

■ **Adjusting the position of the menu display**

V-POSITION .... Adjusts the vertical position of the menu display.

H-POSITION ...... Adjusts the horizontal position of the menu display.

■ **Restoring the factory default settings**

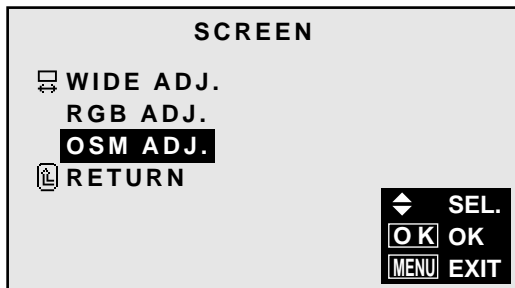Select "RESET" under the function menu. Note that this also restores other settings to the factory defaults.

Function 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

Press the MENU button on the remote controller to display the MAIN MENU on the screen, then...

1. Use the ▲ and ▼ buttons to select "FUNCTION", then press the "OK" button.
    The "FUNCTION" screen appears.

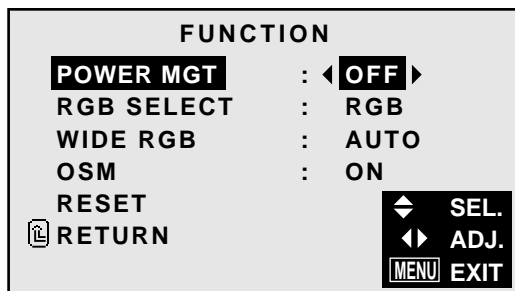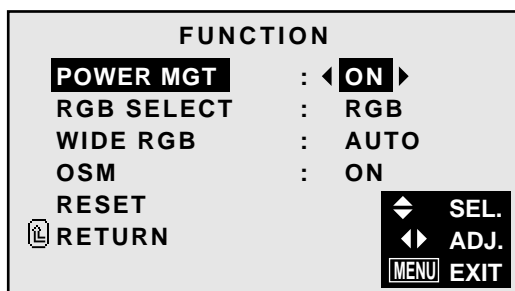2. Use the ▲ and ▼ buttons to select "POWER MGT".

```
             FUNCTION
 POWER MGT     :  ◀ OFF ▶
 RGB SELECT    :    RGB
 WIDE RGB      :    AUTO
 OSM           :    ON
 RESET                ⬍   SEL.
 RETURN               ◆▶  ADJ.
                    MENU  EXIT
```

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

```
             FUNCTION
 POWER MGT     :  ◀ ON ▶
 RGB SELECT    :    RGB
 WIDE RGB      :    AUTO
 OSM           :    ON
 RESET                ⬍   SEL.
 RETURN               ◆▶  ADJ.
                    MENU  EXIT
```

4. *Once the setting is completed ...*
    Press the "MENU" button.
    The power management function is turned on, and the menu disappears.

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 conforming to the VESA DPMS format.
* If the computer's power is not turned on or if the computer and selector tuner are not properly connected, 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.

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 being present from the computer.	Picture already on.
Standby	Yellow	Activated.	No horizontal synchronizing signals are sent from the computer.	Operate the keyboard or mouse. The picture reappears immediately.
Suspend	Red	Activated.	No vertical synchronizing signals are sent from the computer.	Operate the keyboard or mouse. The picture reappears, but more time is required than from the standby mode.
Off	Red	Activated.	No horizontal or vertical synchronizing signals are sent from the computer.	Operate the keyboard or mouse. The picture reappears, but more time is required than from the standby mode or suspend mode.

Watching moving computer images
Select whether to use the RGB mode or the moving picture (video) mode for computer images.

Example: Setting the RGB select mode to "VIDEO"

Press the MENU button on the remote controller to display the MAIN MENU on the screen, then...

1. Use the ▲ and ▼ buttons to select "FUNCTION", then press the "OK" button.
   The "FUNCTION" screen appears.

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

```
           F U N C T I O N

 POWER MGT       :   OFF
 RGB SELECT      : ◀ RGB ▶
 WIDE RGB        :   AUTO
 OSM             :   ON
 RESET                ⬍   SEL.
 ⬛ RETURN            ◀▶  ADJ.
                    MENU EXIT
```
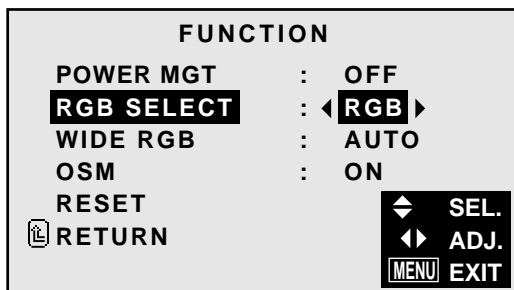
3. *To set the RGB select mode to "VIDEO" ...*
   Use the ◀ and ▶ buttons to select "VIDEO".
   The mode switches as follows each time the ◀ or ▶ button is pressed:
   RGB ↔ VIDEO

```
           F U N C T I O N

 POWER MGT       :   OFF
 RGB SELECT      : ◀ VIDEO ▶
 WIDE RGB        :   AUTO
 OSM             :   ON
 RESET                ⬍   SEL.
 ⬛ RETURN            ◀▶  ADJ.
                    MENU EXIT
```

4. *Once the setting is completed ...*
   Press the "MENU" button.
   The RGB select mode is set to "VIDEO", and the menu disappears.

Setting the appropriate screen size for the computer image (with wide VGA signals)

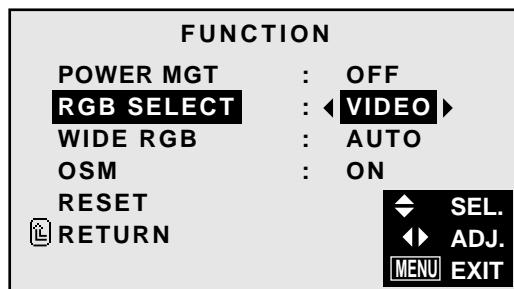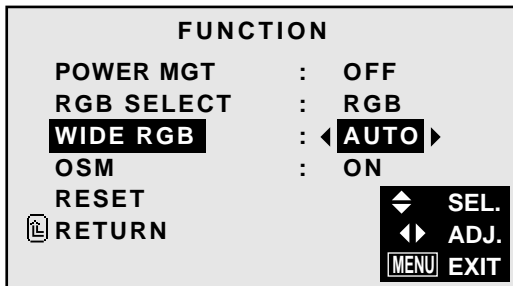This function switches the screen to the appropriate size when 852 dot × 480 line signals are input.
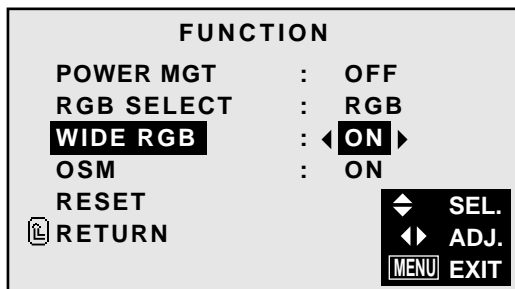
Example: Setting the "WIDE RGB" mode to "ON"

Press the MENU button on the remote controller to display the MAIN MENU on the screen, then...

1. Use the up and down buttons to select "FUNCTION", then press the "OK" button.
   The "FUNCTION" screen appears.

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

```
              FUNCTION
   POWER MGT       :   OFF
   RGB SELECT      :   RGB
   WIDE RGB        : ◄ AUTO ►
   OSM             :   ON
   RESET                ⬍   SEL.
   📄 RETURN            ◄► ADJ.
                       MENU EXIT
```

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

```
              FUNCTION
   POWER MGT       :   OFF
   RGB SELECT      :   RGB
   WIDE RGB        : ◄ ON ►
   OSM             :   ON
   RESET                ⬍   SEL.
   📄 RETURN            ◄► ADJ.
                       MENU EXIT
```

4. *Once the setting is completed ...*
   Press the "MENU" button.
   The WIDE RGB mode is turned on, and the menu disappears.

Information

■ **WIDE RGB settings**

AUTO .... Use this setting when watching normal computer images. Normally set this mode.

ON .... When an 852 dot × 480 line signal with a vertical frequency of 60 Hz and a horizontal frequency of 31.72 kHz is input, the image may be compressed horizontally. To prevent this, set WIDE RGB to ON.

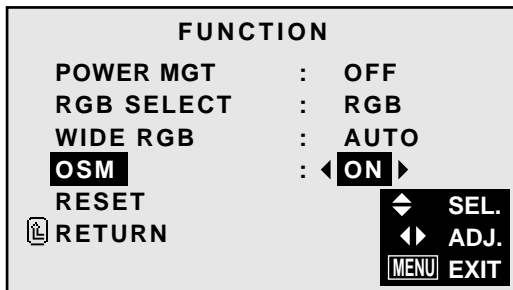* "IBM PC/AT" and "VGA" are registered trademarks of IBM, Inc. of the United States.

Setting the on-screen display

When using the monitor for presentations, etc., the monitor can be set so that the input source, screen mode, etc., do not appear.
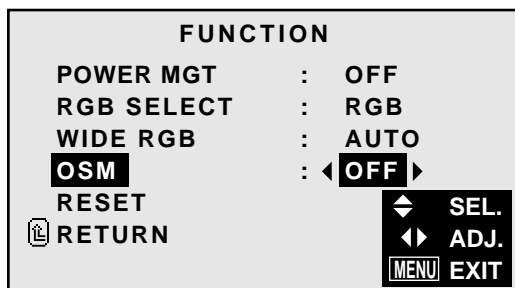
Example: Turning the on-screen display mode off

Press the MENU button on the remote controller to display the MAIN MENU on the screen, then...

1. Use the ▲ and ▼ buttons to select "FUNCTION", then press the "OK" button.
    The "FUNCTION" screen appears.

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

```
              FUNCTION

POWER MGT        :    OFF
RGB SELECT       :    RGB
WIDE RGB         :    AUTO
OSM              : ◀ ON ▶
RESET                  ⬍   SEL.
🔲RETURN                ◀▶  ADJ.
                      MENU  EXIT
```

3. *To turn the on-screen display mode off ...*
    Use the ◀ and ▶ buttons to select "OFF".
    The mode switches as follows each time the ◀ or ▶ button is pressed:
    ON ↔ OFF

```
              FUNCTION

POWER MGT        :    OFF
RGB SELECT       :    RGB
WIDE RGB         :    AUTO
OSM              : ◀ OFF ▶
RESET                  ⬍   SEL.
🔲RETURN                ◀▶  ADJ.
                      MENU  EXIT
```

4. *Once the setting is completed ...*
    Press the "MENU" button.
    The on-screen display mode is turned off, and the menu disappears.
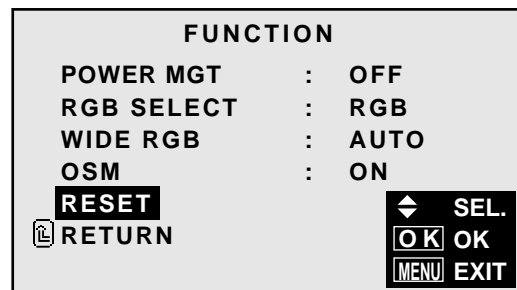

Information

■ **OSM modes**

ON .... The on-screen display appears.
OFF .... The on-screen display does not appear.

Resetting to the default values

Use these operations to restore all the picture adjustments, audio settings, wide adjustments, RGB adjustments, OSM adjustments, etc., to the factory default values.
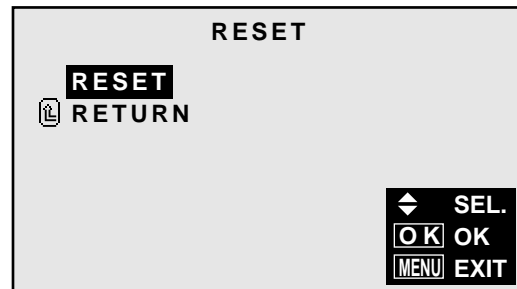
Press the MENU button on the remote controller to display the MAIN MENU on the screen, then...

1. Use the ▲ and ▼ buttons to select "FUNCTION", then press the "OK" button.
    The "FUNCTION" screen appears.

2. Use the ▲ and ▼ buttons to select "RESET", then press the "OK" button.

```
              FUNCTION

POWER MGT        :    OFF
RGB SELECT       :    RGB
WIDE RGB         :    AUTO
OSM              :    ON
RESET                  ⬍   SEL.
🔲RETURN               OK  OK
                      MENU  EXIT
```

The "RESET" screen appears.

3. Use the ▲ and ▼ buttons to select "RESET", then press the "OK" button.

```
               RESET

RESET
🔲RETURN



                       ⬍   SEL.
                      OK  OK
                      MENU  EXIT
```

All the settings are restored to the default values.

4. *Once the setting is completed ...*
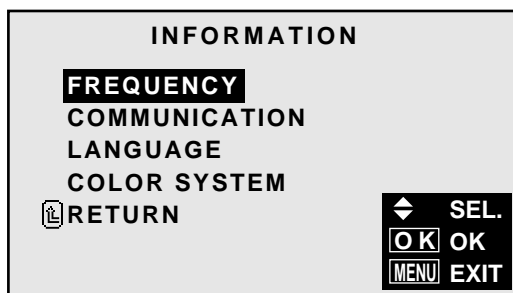   Press the "MENU" button.
    The menu disappears.

Information Menu

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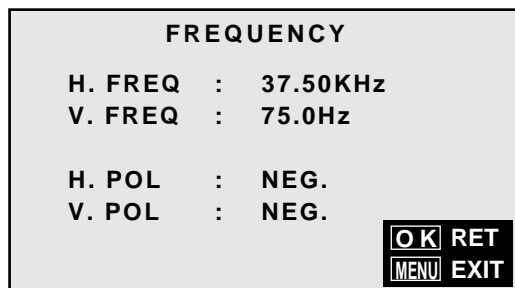
Use this function to check the frequencies and polarities of the signals currently being inputted from a computer, etc.

Press the MENU button on the remote controller to display the MAIN MENU on the screen, then...

1. Use the ▲ and ▼ buttons to select "INFORMATION", then press the "OK" button.
   The "INFORMATION" screen appears.

2. Use the ▲ and ▼ buttons to select "FREQUENCY", then press the "OK" button.

```
              INFORMATION

   FREQUENCY
   COMMUNICATION
   LANGUAGE
   COLOR SYSTEM
   RETURN                    ◆  SEL.
                          O K  OK
                          MENU EXIT
```

3. The frequency is displayed.

```
              FREQUENCY

   H. FREQ   :   37.50KHz
   V. FREQ   :   75.0Hz

   H. POL    :   NEG.
   V. POL    :   NEG.
                          O K  RET
                          MENU EXIT
```

   * Press the "OK" button to return to the previous screen.

4. Once you have checked the frequency ...
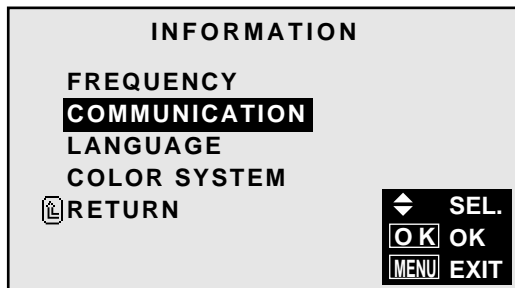   Press the "MENU" button.
   The menu disappears.

Setting the appropriate main menu display for the system

Set the main menu display according to the connected equipment (monitor only, selector).

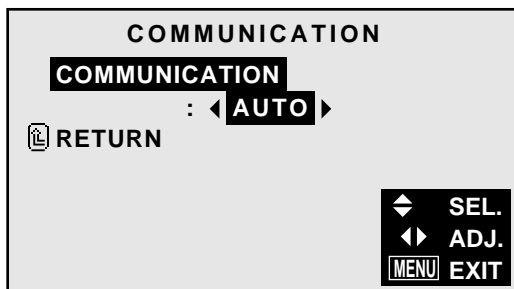Example: When a selector is connected (setting "SE-LECTOR")

Press the MENU button on the remote controller to display the MAIN MENU on the screen, then...

1. Use the ▲ and ▼ buttons to select "INFORMATION", then press the "OK" button.
    The "INFORMATION" screen appears.

2. Use the ▲ and ▼ buttons to select "COMMUNICA-TION", then press the "OK" button.

```
         I N F O R M A T I O N

    FREQUENCY
    COMMUNICATION
    LANGUAGE
    COLOR SYSTEM
    ⓛRETURN                  ◆   SEL.
                            OK  OK
                            MENU EXIT
```

The "COMMUNICATION" screen appears.

3. Use the ▲ and ▼ buttons to select "COMMUNICA-TION".

```
         C O M M U N I C A T I O N

    COMMUNICATION
             : ◀ AUTO ▶
    ⓛ RETURN

                            ◆   SEL.
                            ◀▶  ADJ.
                            MENU EXIT
```

4. *To set to " SELECTOR " ...*
    Use the ◀ and ▶ buttons to select "SELECTOR".
    The mode switches as follows when the ◀ and ▶ buttons are pressed:
    → **AUTO** ↔ **TUNER** ↔ **SELECTOR** ↔ **NO INPUT** ←

```
         C O M M U N I C A T I O N

    COMMUNICATION
             : ◀ SELECTOR ▶
    ⓛ RETURN

                            ◆   SEL.
                            ◀▶  ADJ.
                            MENU EXIT
```

5. *Once the setting is completed ...*
    Press the "MENU" button.
    The communications setting is set to "SELECTOR" and the menu disappears.

Information

■ **"COMMUNICATION" settings**

AUTO .... Detects the connected equipment automatically.
TUNER .... Not available on this model.
SELECTOR .... Set this when a selector (optional PX-SL1A) is connected.
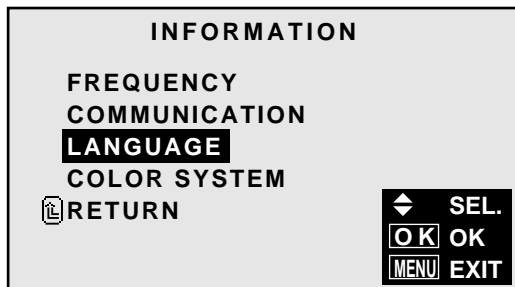NO INPUT .... Set this when using the monitor alone.

Setting the language for the menus

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

Example: Setting the menu display to "DEUTSCH"

Press the MENU button on the remote controller to display the MAIN MENU on the screen, then...

1. Use the ▲ and ▼ buttons to select "INFORMATION", then press the "OK" button.
   The "INFORMATION" screen appears.

2. Use the ▲ and ▼ buttons to select "LANGUAGE", then press the "OK" button.

```
        INFORMATION

   FREQUENCY
   COMMUNICATION
   LANGUAGE
   COLOR SYSTEM
   ⎣L⎦RETURN              ↕   SEL.
                        OK  OK
                        MENU EXIT
```

The "LANGUAGE" screen appears.

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

```
          LANGUAGE

   LANGUAGE
      :  ◀ ENGLISH ▶



                        ◀▶  ADJ.
                        OK  OK
                        MENU EXIT
```

4. *To select " DEUTSCH " ...*
   Use the ◀ and ▶ buttons to select " DEUTSCH ".
   The mode switches as follows when the ◀ and ▶ buttons are pressed:

   ```
   ┌→ ENGLISH ↔ DEUTSCH ↔ FRANÇAIS ←──────┐
   └→ 日本語 ↔ SVENSKA ↔ ITALIANO ↔ ESPAÑOL ←┘
   ```

```
          SPRACHE

   SPRACHE
      :  ◀ DEUTSCH ▶



                        ◀▶  ADJ.
                        OK  OK
                        MENU EXIT
```

5. Press the "OK" button.
   The display language is switched to Deutsch.

6. *Once the setting is completed ...*
   Press the "MENU" button.
   The menu disappears.

Information

■ Language settings

ENGLISH .... English
DEUTSCH .... German
FRANÇAIS .... French
ESPAÑOL .... Spanish
ITALIANO .... Italian
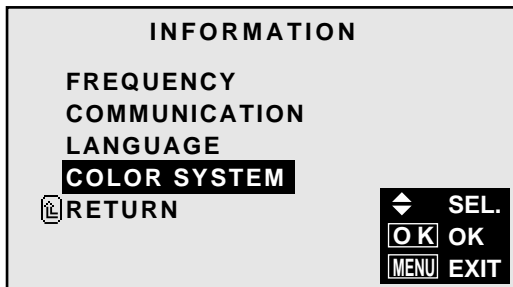SVENSKA .... Swedish
日本語 .... Japanese

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Setting the video signal format
Use these operations to set the video signal format (PAL, SECAM, 4.43 NTSC or 3.58 NTSC).

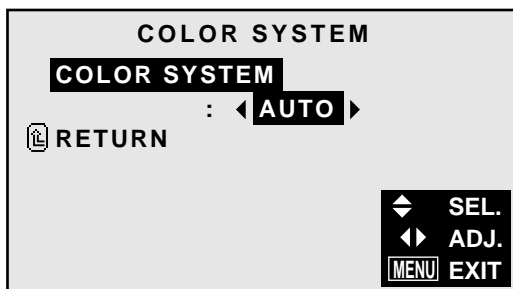Example: Setting the video signal format to "3.58 NTSC"

Press the MENU button on the remote controller to display the MAIN MENU on the screen, then...

1. Use the ▲ and ▼ buttons to select "INFORMATION", then press the "OK" button.
   The "INFORMATION" screen appears.

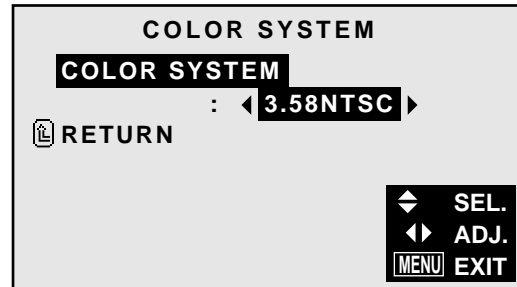2. Use the ▲ and ▼ buttons to select "COLOR SYSTEM", then press the "OK" button.

```
          I N F O R M A T I O N

  F R E Q U E N C Y
  C O M M U N I C A T I O N
  L A N G U A G E
  C O L O R  S Y S T E M
  RETURN                    ◆  SEL.
                          O K  OK
                          MENU  EXIT
```

The "COLOR SYSTEM" screen appears.

3. Use the ▲ and ▼ buttons to select "COLOR SYSTEM".

```
        C O L O R   S Y S T E M

  C O L O R  S Y S T E M
              :  ◀ AUTO ▶
  RETURN

                          ◆  SEL.
                          ◀▶  ADJ.
                          MENU  EXIT
```

4. *To select "3.58 NTSC" ...*
   Use the ◀ and ▶ buttons to select "3.58 NTSC".
   The mode switches as follows when the ◀ and ▶ buttons are pressed:
   → **AUTO** ↔ **PAL** ↔ **SECAM** ←
   └→ **3.58NTSC** ↔ **4.43NTSC** ←┘

```
        C O L O R   S Y S T E M

  C O L O R  S Y S T E M
              :  ◀ 3.58NTSC ▶
  RETURN

                          ◆  SEL.
                          ◀▶  ADJ.
                          MENU  EXIT
```

5. *Once the setting is completed ...*
   Press the "MENU" button.
   The color system is set to "3.58 NTSC", and the menu disappears.

Information

■ **Video signal formats**

Different countries use different formats for video signals. Set to the format used in your current country.

AUTO	The video signals are automatically detected 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	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 Japan and the United States.

Table for Signals Supported

Supported resolution

• When 800 dot × 600 line signals are input, they are converted to 640 dot × 480 line or 800 dot × 480 line signals.

Computer input signals supported on this system

Model	Dots × lines	Vertical frequency (Hz)	Horizontal frequency (kHz)	Screen mode NORMAL	FULL
*IBM PC/AT compatible computers	640×400	70.1	31.5	YES	YES
	640×480	59.9	31.5	YES	YES
		72.8	37.9	YES	YES
		75.0	37.5	YES	YES
		75.0	39.4	YES	YES
	848×480*2	60.0	31.0	YES	NO
	800×600	56.3	35.2	YES*3	YES*4
		60.3	37.9	YES*3	YES*4
	*1	72.2	48.1	YES*3	NO
	*1	75.0	46.9	YES*3	NO
*Apple Macintosh	640×480	66.7	35.0	YES	YES

*1 Signals with these frequencies are only displayed in the normal mode (4:3).

*2 Only when using a graphic accelerator board that is capable of displaying 848×480.

*3 This signal is converted to a 640×480 signal.

*4 This signal is converted to an 800×480 signal.

* "IBM PC/AT" and "VGA" are a registered trademark of International Business Machines, Inc. of the United States.
* "Apple Macintosh" is a registered trademark of Apple Computer, Inc. of the United States.

Troubleshooting

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

Symptom	Checks	Remedy
Sound can be heard from inside the display.	• Is there a wall or other object near the display which is reflecting the sound?	• Move the display away from the wall or other object reflecting the sound. The display is equipped with built-in ventilation fans for preventing overheating. In some cases the sound of the fan turning may be heard.
There are points shining on the screen or points that do not light.	• Picture of plasma display consist of a collection of tiny fluorescent points. Some of the picture elements may not light, and others may shine.	
Afterimages appear.	• Has a still picture from a video or a computer image been displayed for a long period of time?	• Play a moving picture. The afterimage will gradually disappear.
Picture is disturbed. Sound is noisy. Remote control unit 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 controller does not work.	• Are the remote controller's batteries worn out?	• Replace all two batteries with new ones.
Monitor's power does not turn on when the remote controller'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 controller's batteries worn out?	• Replace all two batteries with new ones.
Monitor does not operate when the remote controller's buttons are pressed.	• Is the remote controller pointed at the monitor, or is there an obstacle between the remote controller and the monitor?	• Point the remote controller 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 controller's batteries worn out?	• Replace all two batteries with new ones.
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 controller's mute button. • Connect the speakers properly.
Tint is poor or colors are weak.	• Are the speakers properly connected? • 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 the computer connected?	• Connect the computer to the monitor.
	• Is the power manager function in the standby or off mode?	• Operate the computer (move the mouse, etc.).
Part of picture is cut off or picture is not centered.	• Is the position adjustment appropriate?	• Adjust the "RGB ADJ." properly.
Image is too large or too small.	• Is the screen size adjustment appropriate?	• Press the "WIDE/AUTO WIDE" button on the remote controller and adjust properly.
Picture is unstable.	• Is the computer's resolution setting appropriate?	• Set to the proper resolution.

Specifications

Product Name	PlasmaSync™ 4200W Plasma Monitor
Product Code	PX-42M3 A
Screen Size	36.3"(H)×20.4"(V) inches
	921(H)×518.4(V) mm
	diagonal 42"
Aspect Ratio	16 : 9
Resolution	853(H)×480(V) pixels
Pixel Pitch	0.04"(H)×0.04"(V) inches
	1.08(H)×1.08(V) mm
Color Reproduction	256 levels, analog RGB : 16,770,000 colors
Signals	
Input Signals	RGB, NTSC, PAL, SECAM, HD, DVD
RGB Input terminals	
Visual	mini D-sub 15-pin×1
Audio	Stereo RCA×1
Video Input terminals	
Visual	RCA×1
	(S-Video: 4-pin DIN×1)
Audio	Stereo RCA×1
DVD/HD Input terminals	
Visual	RCA (Y/Y, C_B/P_B, C_R/P_R)
Audio	Stereo RCA×1
Power Supply	AC120V 50/60Hz
Current Rating	5.5A (maximum)
Dimensions	41.3 (W)×25.5 (H)×3.6 (D) in
	1048 (W)×648 (H)×91 (D) mm
Weight	92.6 lbs / 42.0 kg
Environmental Considerations	
Operating Temperature	0°C to 40°C / 32°F to 104°F
Humidity	20 to 80%
Altitude	0 to 1900m / 0 to 6230ft
Storage Temperature	-10°C to 50°C / 14°F to 122°F
Humidity	10 to 90%
Altitude	0 to 3000m / 0 to 9840ft
Front Panel User Controls	Power on/off, Input source select,
	Volume up/down
Remote Control Functions	Input selct, OSM control, Visual control, Volume control, Wireless/ Wired remote control
OSM Functions	Picture (Contrast / Brightness / Sharpness / Color / Tint / Picture mode / Noise reductions), Sound (Bass / Treble / Balance), Screen adjustment (Wide adjustment / RGB adjustment / OSM adjustment), Function (Power management / RGB select / Wide RGB / OSM / Reset), Information (Frequency / Communication / Language / Color system)
Other Features	Power management, plug and play
Accessories	Remote controller with two AA batteries, Plug cable, Adapter for Macintosh, RGB cable (Mini D-Sub 15-pin to Mini D-Sub 15-pin connector), Power code, Safety metal fitting, Screw for safety metal fitting, User's Manual
Regulations	UL Approved (UL 1950, CSA 950)
	DOC Canada requirements
	Meets FCC class A requirements

41.3" (1048)
2.1" (54) 1.5" (37)
36.3" (921)
20.4" (518.4)
25.5" (648)
3.6" (91)

Units are in inch (mm)
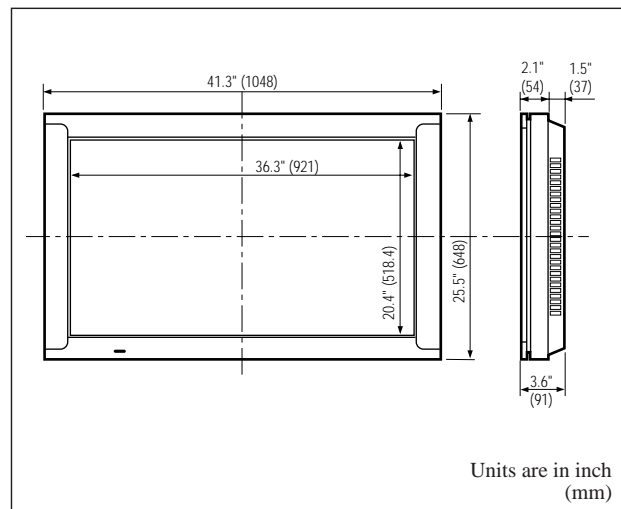
The features and specifications may be subject to change without notice.

NEC

NEC Technologies, Inc.
1250 N. Arlington Heights Road, Suite 500
Itasca, Illinois 60143-1248