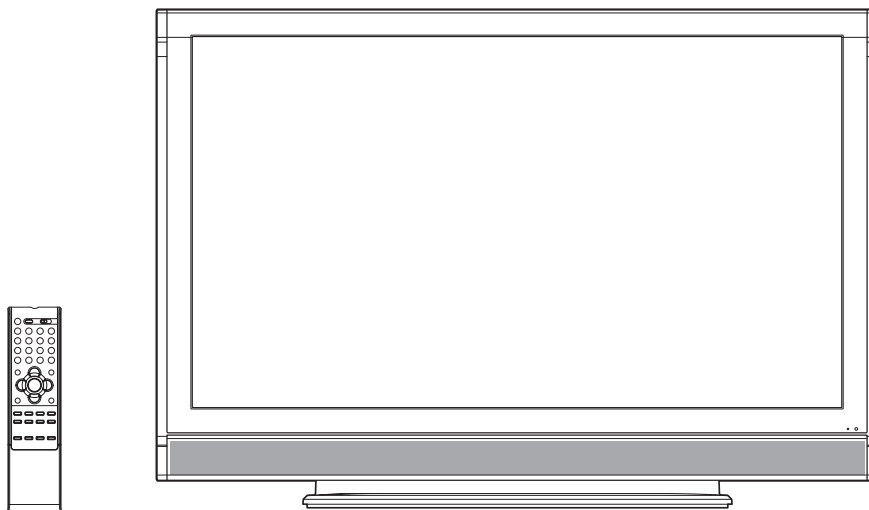# 50E900HD

ELECTROHOME®

50" WIDE PLASMA DISPLAY
ÉCRAN À PLASMA LARGE DE 50 po
USER MANUAL
MANUEL D'INSTRUCTIONS

CAUTION
ATTENTION

Changes or modifications not expressly approved by the party responsible for compliance with the FCC Rules could void the user's authority to operate this equipment.

Tout changement ou toute modification n'étant pas autorisée de façon explicite par l'organisme responsable de la conformité aux règles de la FCC peut entraîner l'interdiction à l'utilisateur de se servir de l'appareil.

ATTENTION

If you purchase a universal remote control from your local retailer, please contact the remote manufacturer for the required programming code.

Si vous utilisez avec cet appareil une télécommande universelle (autre que celle vendue avec ce téléviseur), consultez la documentation accompagnant la télécommande universelle afin de connaître le code numérique correspondant au téléviseur.

Before operating the unit, please read this manual thoroughly.
Avant de faire fonctionner l'appareil, veuillez lire le présent guide attentivement.

HDMI SRS(●) WOW HDTV MONITOR

<table>
<tr><td>

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

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

</td><td>

The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

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

</td></tr>
</table>

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS POLARIZED PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

FCC Declaration of Conformity Compliance Statement (Part 15):
The ELECTROHOME 50E900HD, WIDE PLASMA DISPLAY complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
The party responsible for compliance to these rules is:
RGC REDMOND GROUP
6185 MCLAUGHLIN ROAD, MISSISSAUGA, ONTARIO L5R 3W7
Ph: 1-800-663-5954

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 in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Changes or modifications not expressly approved by the partly responsible for compliance with the FCC Rules could void the user's authority to operate this equipment.

Location of the required Marking
The rating sheet and the safety caution are on the rear of the unit.

2
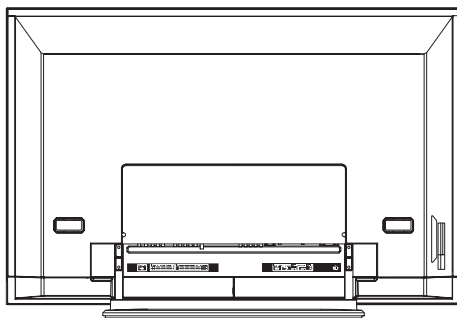
IMPORTANT SAFETY INSTRUCTIONS

1) Read these instructions.

2) Keep these instructions.

3) Heed all warnings.

4) Follow all instructions.

5) Do not use this apparatus near water.

6) Clean only with dry cloth.

7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11) Only use attachments/accessories specified by the manufacturer.

12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

PORTABLE CART WARNING
(symbol provided by RETAC)

S3126A

13) Unplug this apparatus during lightning storms or when unused for long periods of time.

14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15) Apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such a vases, shall be placed on the apparatus.

16) Do not overload wall outlets and extension cords, as this can result in a risk of fire or electric shock.

17) Do not push objects through any openings in this unit, as they may touch dangerous voltage points or short out parts that could result in fire or electric shock. Never spill or spray any type of liquid into the unit.

18) When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

19) Upon completion of any service or repairs to this unit, ask the service technician to perform safety checks to determine that the unit is in proper operating condition.

20) When you connect the product to other equipment, turn off the power and unplug all of the equipment from the wall outlet. Failure to do so may cause an electric shock and serious personal injury. Read the owner's manual of the other equipment carefully and follow the instructions when making any connections.

21) Reduce the volume to the minimum level before you turn on the product. Otherwise, sudden high volume sound may cause hearing or speaker damage.

22) Do not allow the product to output distorted sound for an extended period of time. It may cause speaker overheating and fire.
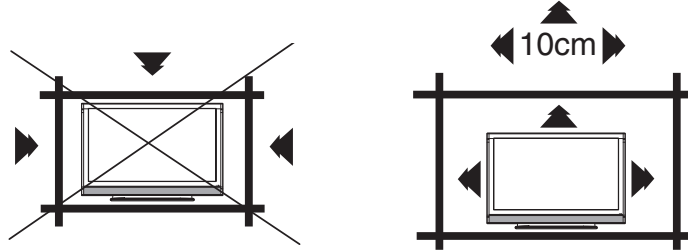
3

SAFETY PRECAUTIONS

The unit emits heat when in operation. Do not place any covers or blankets on the unit, this may cause overheating. Do not block ventilation holes, or set up near radiators. Do not place in direct sunshine. When placing on a shelf leave 10 cm (4 inches) free space around the entire unit.

Notes when mounting the Plasma Display on a wall
- When installing the unit on a wall, allow at least 6 cm (2 1/2 inches) clearance between the rear of the Plasma Display and the wall. Clearance of less than 6 cm (2 1/2 inches) will obstruct the vents and may cause the interior of the unit to overheat, resulting in damage to the unit.
- If the unit is to be mounted on the wall, contact the retailer where you purchased the Plasma Display for advice, and have the equipment professionally installed. Incomplete or improper installation may cause injury to you and/or the Plasma Display.
- Bracket holes: To attach a wall mounting bracket (not supplied) here, remove the screws.

Bracket holes
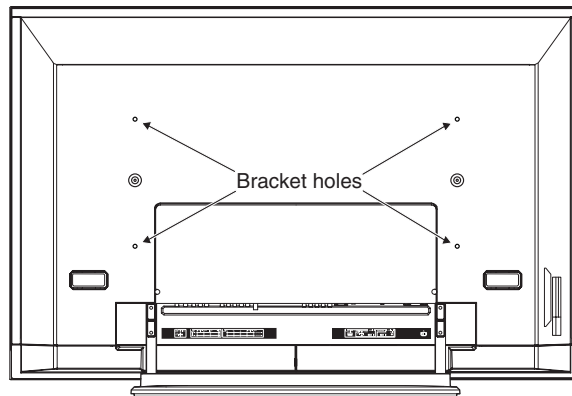
IMPORTANT NOTICE

Possible Adverse Effects on Plasma Screen: If a fixed (non-moving) pattern remains on the plasma screen for long periods of time, the image can become permanently engrained in the plasma display panel and cause subtle but permanent ghost images. This type of damage is NOT COVERED BY YOUR WARRANTY. Never leave your plasma display on for long periods of time while it is displaying the following formats or images:

- Fixed Images, such as stock tickers, video game patterns, TV station logos, and websites.
- Special Formats that do not use the entire screen. For example, viewing letterbox style (16:9) media on a normal (4:3) display (gray bars at top and bottom of screen); or viewing normal style (4:3) media on a widescreen (16:9) display (gray bars on left and right sides of screen).

To avoid the engraining, we recommend that you use the screen saver function (see P.33).

The following symptoms are not signs of malfunction but technical limitation. Therefore we disclaim any responsibility for these symptoms.
- Plasma display panels are manufactured using an extremely high level of precision technology, however sometimes parts of the screen may be missing picture elements or have luminous spots. This is not a sign of a malfunction.
- Do not install the Plasma Display near electronic equipment that is susceptible to electromagnetic waves. Some equipment placed too near this unit may cause interference.
- Effect on infrared devices – There may be interference while using infrared devices such as infrared cordless headphones.

4

Contents

PREPARATIONS

OPERATION

OTHERS

5

Features

- **Picture Adjustments Using The Remote Control -** The On-Screen display allows precise remote control adjustment of BRIGHTNESS, CONTRAST, COLOR, TINT and SHARPNESS.
- **Programmable Display Sleep Timer -** Operable from the remote control, the Plasma Display can be programmed up to 120 minutes to turn off automatically.
- **S-Video/Component Video Jacks -** A VCR, DVD player, satellite receiver or other audio/video component can be connected to this unit.
- **Video Input Jacks -** This unit is equipped 3 types of video input jacks. The component video in jacks and S-video in jack enable you to watch the DVD player or the video devices with high quality picture.
- **On-Screen 3 Language Display -** You can select one of 3 languages, English, French or Spanish for on-screen programming.

Power source

TO USE AC POWER
1. Connect the AC cord plug into this unit's AC IN jack.
2. Connect the AC cord into an AC outlet.

AC 120V, 60Hz
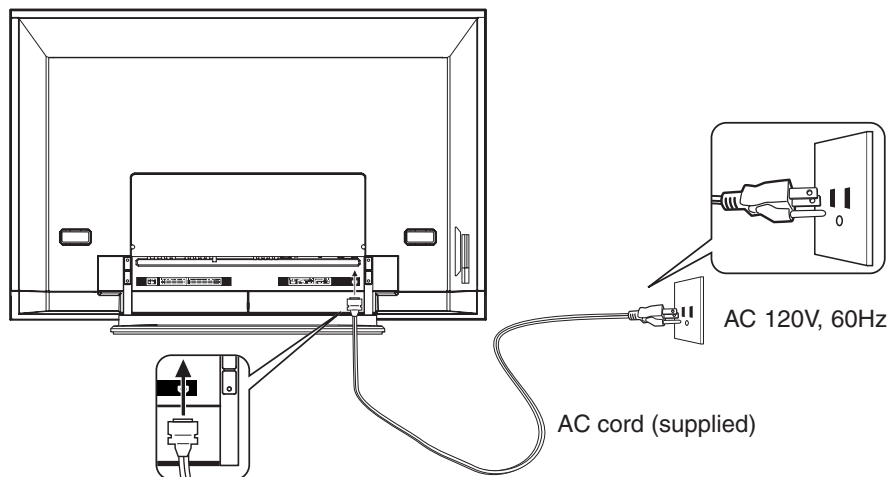
AC cord (supplied)

NOTES:
- Please make sure to insert the cord securely at both the Plasma Display and the wall outlet.
- The AC Cord has a grounding-type AC line plug. If the supplied AC cord does not match you AC outlet, contact a qualified electrician, do not defeat the purpose of a grounding plug.

WARNING:
- DO NOT CONNECT THIS UNIT TO THE POWER USING ANY DEVICE OTHER THAN THE SUPPLIED AC CORD. THIS COULD CAUSE FIRE, ELECTRICAL SHOCK, OR DAMAGE.
- DO NOT USE WITH A VOLTAGE OTHER THAN THE POWER VOLTAGE DISPLAYED. THIS COULD CAUSE FIRE, ELECTRICAL SHOCK, OR DAMAGE.

CAUTION:
- WHEN THIS UNIT IS NOT USED FOR A LONG TIME, (E.G., AWAY ON A TRIP) IN THE INTEREST OF SAFETY, BE SURE TO UNPLUG IT FROM THE AC OUTLET.
- DO NOT PLUG/UNPLUG THE PLUG WHEN YOUR HANDS ARE WET. THIS MAY CAUSE ELECTRICAL SHOCK.
- IF YOU NEED TO REPLACE THE SUPPLIED AC ADAPTER OR AC CORD, THE SPECIFIED ONE IS RECOMMENDED. CONTACT THE DEALER THAT YOU PURCHASED THE UNIT FROM.

6

Left side **Front** **Right side**

VIDEO-3 IN

*CURSOR ▲/▼ button

*VOLUME ▲/▼ button

INPUT button

POWER button

STANDBY/ON indicator

STANDBY/ON

Remote sensor
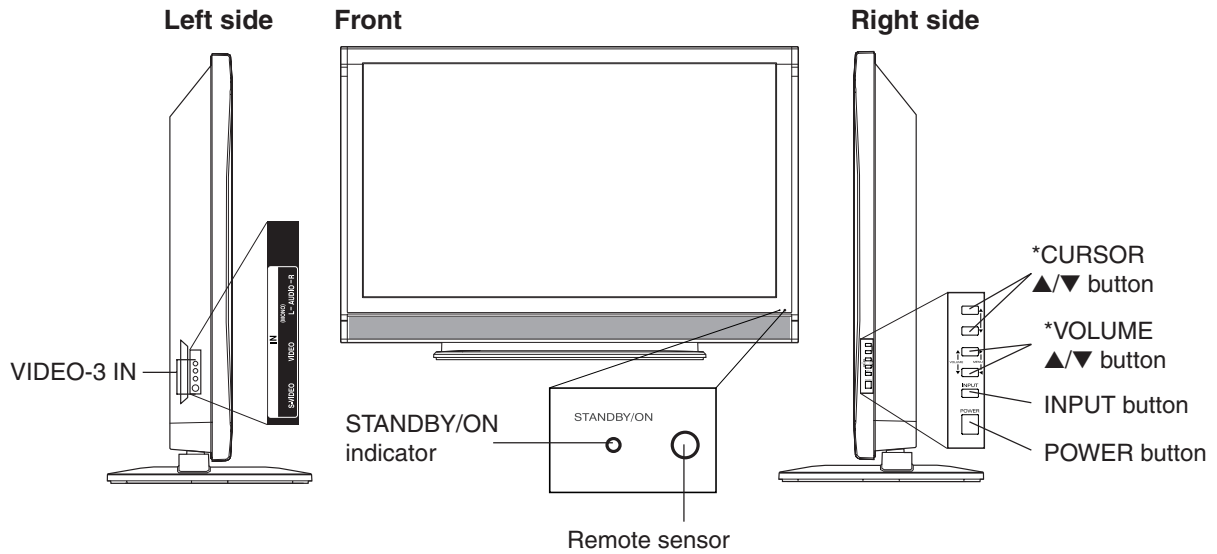
* To display the menu screen.
  Press both VOLUME ▲/▼ buttons at the same time to display the menu screen.
  CURSOR ▲/▼ buttons and VOLUME ▲/▼ buttons can be used to select the desired setting during the menu screen operations.

Rear

HDMI-2 AUDIO IN jack

HDMI-2 IN jack

VIDEO-2 IN   COMPONENT2 IN jacks

COMPONENT1 IN jacks

PC IN jack

HDMI-1 IN jack

VIDEO-1 IN

AC power cord socket

PC AUDIO/HDMI-1 AUDIO (LR) IN jacks

AUDIO (L/R)/VIDEO OUT jacks

7
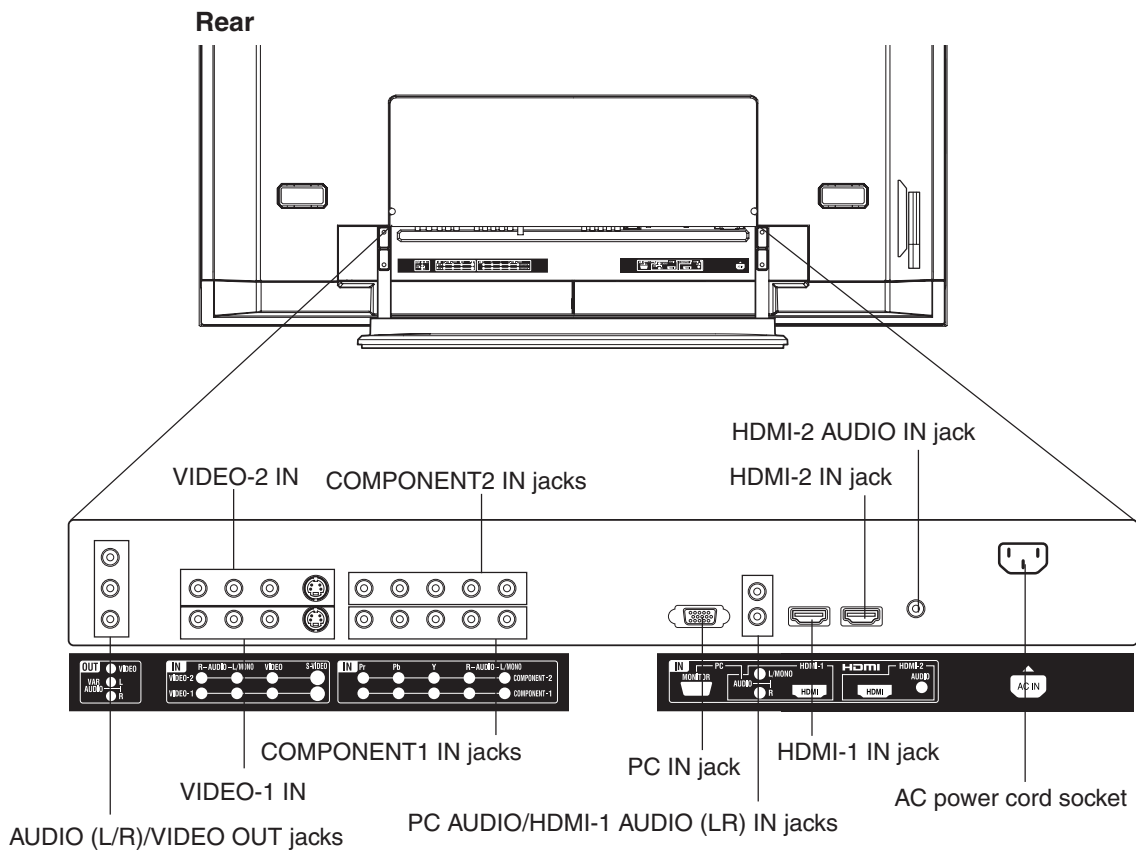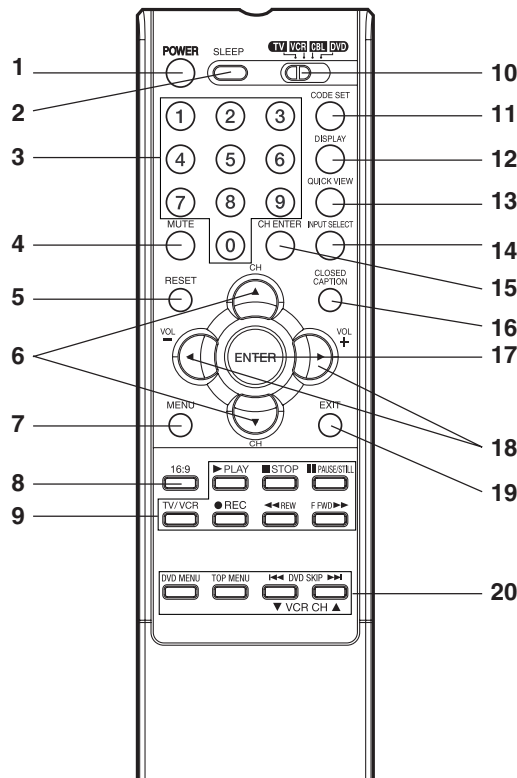
Remote control

* You can use these buttons to operate your VCR, Cable/Satellite box or DVD after you have programmed the remote control for the code that operates your VCR, Cable/Satellite box or DVD (see page 10 and 11).

1. **PLASMA DISPLAY, VCR, CBL (Cable/Satellite box), DVD POWER Button* -** Used to turn the Plasma Display, VCR, Cable/Satellite box or DVD on or off after you select the operating mode in step 9.
2. **SLEEP Button -** To set the Plasma Display to turn off after a preset amount of time, use the SLEEP button on the remote control.
3. **Direct Channel Selection Buttons (0-9)* -** Allows direct access to any channel of the VCR, Cable/Satellite box or DVD.
4. **MUTE Button -** To turn off the sound, press this button once. The Plasma Display will be silenced and the symbol "MUTE" will appear on the screen. The muting feature can be released by pressing the MUTE button again or one of the VOL (VOLUME) **+** or **–** buttons.
5. **RESET Button -** Press to reset the On-Screen picture adjustments to their factory preset positions.
6. **CH (CHANNEL), CURSOR ▲/▼ Buttons* -** Used to operate the menu functions of the Plasma Display, and to change the channels of a Cable/Satellite box.
7. **MENU Button -** Use to display the On-Screen menu function.
8. **16:9 Button -** Press to display PICTURE SIZE menu.
9. **VCR Operation Buttons* -** Press to operate your VCR if programmed properly using a code listed on page 10.
10. **TV, VCR, CBL (Cable/Satellite box), DVD Selector Switch -** Slide to select the Plasma Display, VCR, Cable/Satellite box or DVD to be operated.

11. **CODE SET Button -** Used to register the 3-digit codes to operate your VCR or Cable/Satellite box (See page 10).
12. **DISPLAY Button -** When you press this button, the input source will appear on the lower right corner of the screen. Press the button again to remove display from the screen.
13. **QUICK VIEW Button -** This button allows you to go back to the previous input source selected by just pressing the QUICK VIEW button. Press this button again to return to the channel you were watching.
14. **INPUT SELECT Button -** Press to display SOURCE SELECTION menu.
15. **CH ENTER Button* -** Some connected equipment such as a Cable/Satellite box, VCR, or DVD may require this button to input selected channels.
16. **CLOSED CAPTION Button -** Press this button to switch between normal mode and the two Closed Caption modes (captions and 1/2 of full screen text). Closed Captioning will display text on screen for hearing impaired viewers.
17. **ENTER Button -** Use to enter or select information for On-Screen operations.
18. **VOL (VOLUME) +/–, CURSOR ◄/► Buttons -** Used to operate the menu functions of the Plasma Display. Press the ► button to increase, or the ◄ button to decrease the sound level.
19. **EXIT Button -** Press to remove setup menu.
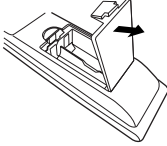20. **DVD Operation Buttons* -** Press to operate your DVD if programmed properly using a code listed on page 11.
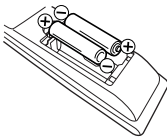
8

Before using the remote control, batteries must first be installed.

HOW TO INSTALL BATTERIES

1. Open the battery compartment cover.

2. Install two "AA" batteries (supplied).

3. Replace the battery compartment cover.

HOW TO USE THE REMOTE CONTROL

You may be able to use the remote control to operate your VCR, Cable/Satellite box and DVD along with the Plasma Display after the batteries are installed and you have registered the codes that operate your products.
Some buttons are used exclusively for each product and some buttons are used in common with each product.
To operate your products correctly using this universal remote control follow each step below.

Use two "AA" size batteries. The batteries may last approximately one year depending on how much the remote control is used. For best performance, it is recommended that batteries should be replaced on a yearly basis, or when the remote operation becomes erratic. Do not mix old and new batteries or different types.

BATTERY PRECAUTIONS

These precautions should be followed when using batteries in this device:
- Use only the size and type of batteries specified.
- Be sure to follow the correct polarity when installing the batteries as indicated in the battery compartment. Reversed batteries may cause damage to the device.
- Do not mix different types of batteries together (e.g. Alkaline and Carbon-zinc) or old batteries with fresh ones.
- If the device is not to be used for a long period of time, remove the batteries to prevent damage or injury from possible battery leakage.
- Do not try to recharge batteries not intended to be recharged; they can overheat and rupture. (Follow battery manufacturer's directions.)

A. For PLASMA DISPLAY

1. Slide the selector switch to select "TV" first.
2. Aim remote at Plasma Display.
3. Press the POWER button.
4. Press other buttons to operate the features of your Plasma Display. You can use the VOL + and – buttons, the 0-9 buttons.

B. For VCR

1. Slide the selector switch to select "VCR" first.
2. Aim remote at VCR.
3. Press the POWER button to turn on VCR.
4. Press other buttons to operate the features of your VCR. You can use the VCR CH ▲ and ▼ buttons, the 0-9 buttons, the CH ENTER button.

C. For CABLE/SATELLITE box

1. Slide the selector switch to select "CBL" first.
2. Aim remote at CABLE/SATELLITE box.
3. Press the POWER button to turn on your CABLE/SATELLITE box.
4. Press other buttons to operate the features of your CABLE/SATELLITE box. You can use the CH ▲ and ▼ buttons, the 0-9 buttons, the CH ENTER button.

D. For DVD

1. Slide the selector switch to select "DVD" first.
2. Aim remote at DVD.
3. Press the POWER button to turn on DVD.
4. Press other buttons to operate the features of your DVD. You can use the DVD SKIP ◄◄ and ►►I buttons, the TOP MENU button, the DVD MENU button, the 0-9 buttons, the CH ENTER button.

NOTES:
- Some buttons that have same functions are called different names according to the brand and model of the product. For example, RESET may be called "CANCEL".
- The buttons **A**, **B**, **C** and **D** are used exclusively for each product. You can use these buttons whenever you want.

ENGLISH

9
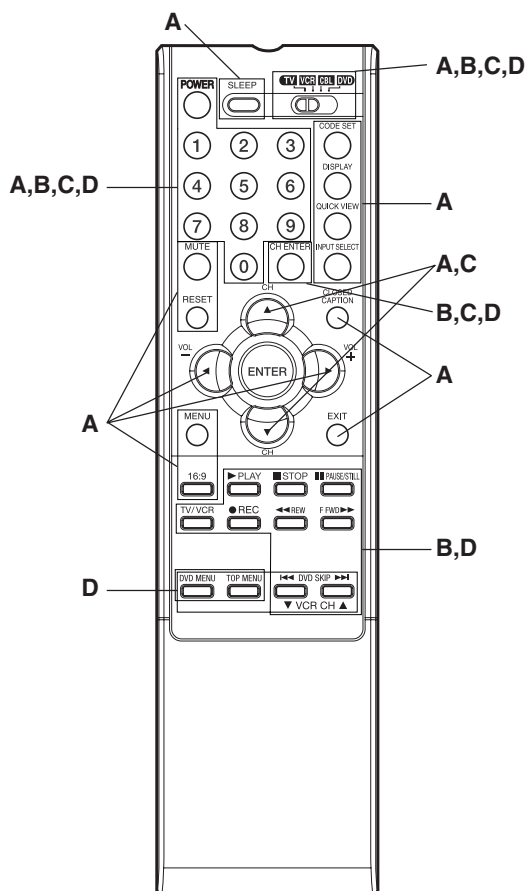
Remote control

TO REGISTER YOUR VCR, CABLE/SATELLITE BOX OR DVD WITH THE REMOTE CONTROL

1. Slide **the selector switch** to select the product you want to register (VCR, CBL or DVD).

2. Press and hold the **CODE SET** button while inputting a 3-digit code from the following lists using the Direct Channel Selection buttons (0-9).

NOTES:
- When shipped from the factory, the remote control is set to operate your Plasma Display.
- If you enter the non-listed code below, this operation is canceled.
- When you install or replace batteries, you may need to register the codes again for the products you want to control.

REGISTRATION CODES BY PRODUCT AND BRAND NAME

VCR			
Admiral	014, 024	Motorola	005, 014
Adventura	000	Multitech	000, 017
Aiko	027	NEC	007, 009, 016, 019
Aiwa	000, 006	Nikko	006
Akai	009	Noblex	026
America Action	027	Olympus	005
American High	005	Optimus	006, 014, 019, 022, 029, 030, 045, 047, 051
Asha	026	Orion	001, 023, 024, 031, 053
Audiovox	006, 027	Panasonic	005, 022, 025, 030, 033, 042, 045, 047, 051
BEAUMARK	026	Penney	005, 006, 007, 010, 026, 042, 050
Bell & Howell	019	Pentax	010
Broksonic	001, 020, 023, 024, 031, 053	Philco	005, 024, 031
CCE	017, 027	Philips	005, 018, 034, 036, 046, 048
Calix	006	Pilot	006
Canon	005	Pioneer	016
Carver	018	Polk Audio	018
Cineral	027	Profitronic	026
Citizen	006, 027, 052	Proscan	015, 037, 044
Colt	017	Protec	017
Craig	006, 013, 017, 026	Pulsar	008
Curtis Mathes	015, 005, 009, 022, 037, 042	Quasar	005, 022, 030, 042, 047
Cybernex	026	RCA	010, 015, 026, 037, 038, 042, 044
Daewoo	012, 027, 052	Radio Shack	000, 043
Denon	010	Radix	006
Dynatech	000	Randex	006
Electrohome	006	Realistic	000, 005, 006, 013, 014, 019
Electrophonic	006	Replay TV	033
Emerex	003	Runco	008
Emerson	000, 001, 006, 011, 020, 023, 024, 027, 031, 052	STS	010
		Sumsung	012, 026
Fishir	013, 019	Sanky	008, 014
Fuji	004, 005	Sansui	000, 009, 016, 024, 031, 053
Funai	000	Sonyo	013, 019, 026
Garrard	000	Socott	011, 012, 020, 023
GE	005, 015, 026, 037, 038, 042, 044	Sears	000, 005, 006, 010, 013, 019, 050
Go Video	029	Semp	012
Goldstar	006, 007, 050	Sharp	014, 038, 040
Grandiente	000	Shintom	017
HI-Q	013	Shogun	026
Harley Davidson	000	Singer	017
Harman/Kardon	007, 018	Sonic Blue	033
Harwood	017	Sony	000, 003, 004, 005, 035, 041, 049
Hiyachi	000, 009, 010	Sylvania	000, 005, 011, 018, 054
JVC	009, 016	Symphonic	000
Jensen	009	TMK	026
KEC	006, 027	Tatung	009
KLH	017	Teac	000, 009
KENWOOD	007, 009, 016	Tecnics	005, 022
Kida	005, 006	Teknika	000, 005, 006
Lloyd	000	Thomas	000
Logik	017	Tivo	034, 035
LXI	006	Toshiba	011, 012, 039
MEI	000	Totevision	006, 026
MGA	011, 026	Unitech	026
MGN Technology	026	Vector	012
MTC	000, 026	Vector Research	007
Magnasonic	052	Video Concepts	012
magnavox	000, 005, 008, 018, 032	Videomagic	006
Magnin	026	Videosonic	026
Marantz	005, 018	Villain	000
Marta	006	Wards	000, 005, 010, 013, 014, 015, 017, 018, 026, 037
Matsushita	005, 022, 030	White Westinghouse	017, 024, 052
Memorex	000, 005, 006, 008, 013, 014, 022, 024, 026, 030, 031, 043, 047, 050, 051	XR-1000	000, 005, 017
		Yamaha	007
Minolta	010	Zenith	000, 004, 008, 031, 053
Mitsubishi	016, 011, 038		

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ENGLISH

CBL (CABLE)

Brand	Codes	Brand	Codes
ABC	001, 007, 012, 046, 056	Philips	009, 034, 041, 047, 048, 052, 053, 057
ADELPHIA	017	Pioneer	004, 028, 058
Allegro	006, 010	Pulsar	013
Americast	023	RADIO SHACK	010
Antronix	025, 033	RCA	021, 039
Archer	025, 033, 040, 047	Realistic	033
AT&T	049	Regency	018
Cabletenna	025	Rembrandt	056
Cableview	025	Runco	013
Century	047	Samsung	002, 004
Citizen	047	Scientific Atlanta	011, 012, 014, 017, 020, 024, 028, 032
Colour Voice	052, 057	Signal	002, 026
Comtronics	002, 008	Signature	056
Eastern	018	SL MARX	002
Garrard	047	Sprucer	039
GC Electronics	033	Starcom	026, 046
GE	038	Stargate	002, 026
Gemini	016, 026, 034	Starquest	026
General Instruments	005, 030, 031, 035, 037, 045, 049, 051, 056, 060	Starsight	044
		Starsight Cable Service	021
Hitachi	056	TANDY	042
JASCO	047	TELEVIEW	002
Jerrold	001, 003, 007, 015, 026, 031, 035, 037, 043, 046, 049, 056	Tocom	001, 060
		Toshiba	013
Magnavox	009	Tusa	026
Memorex	013	TV86	019
Motorola	001, 003, 005, 007, 023, 026, 030, 031, 035, 037, 043, 045, 046, 049, 051, 056, 060	Unika	025, 033, 047
		United Cable	046
Movie Time	019	Universal	025, 033, 040, 047, 054
NSC	019	View Star	008, 009, 019, 042
Panasonic	029, 039	Zenith	006, 010, 013, 022, 023, 027, 036, 044, 050, 055, 059, 061, 062
Paragon	013		

CBL (SATELLITE)

Brand	Codes	Brand	Codes
Bell ExpressVu	125, 140, 142	Philips	108, 133, 145, 150
Dish Network	125, 131, 140, 141, 142, 144, 146	Philips/Magnavox	133, 145, 150
Drake	121, 137, 148	Pioneer	122
Echosphere	142	Primestar	147
Echostar	125, 140, 141, 142, 144, 146	Proscan	100, 101, 105, 106, 110, 134, 151
GE	100, 101, 105, 106, 110, 134, 151	RCA	100, 101, 105, 106, 110, 118
Gemini	127	RCA DDS	134
General Instruments	120, 124, 126, 130, 132, 147, 152, 154, 155	Realistic	138
Hitachi	107	Samsung	114, 116
Hughes Network Systems	104, 107, 109, 112	Sony	102, 113, 119
Jerrold	138	Star Choice	130, 147
Magnavox	108	Toshiba	149
Magnavox DDS	133, 145	VIDEO CIPHER II	121
Motorola	100, 101, 105, 106	Zenith	121, 123, 127, 128, 129, 135, 136, 137, 139, 148, 153
PACE	128, 135		
Panasonic	103, 111, 115		

DVD

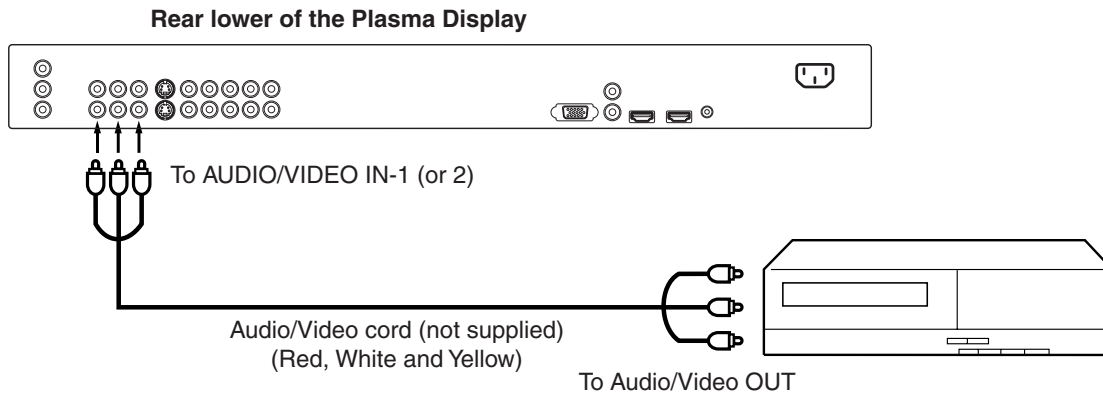| Brand	Codes	Brand	Codes
Apex	017	Onkyo	001
Blue Parade	008	Oritron	014
Broksonic	016	Panasonic	000, 012, 023, 024, 025
DVD2000	002	Philips	001, 006, 019
Denon	000	Pioneer	004, 008, 012
Emerson	010	Polk Audio	006
Enterprise	010	Potel	011
GE	003, 017	Proscan	003
Gradiente	014	RCA	003, 008, 017, 021
Greenhill	017	Samsung	009, 018
Hitachi	009	Sansui	016
JVC	007, 011, 020	Sony	005
KLH	017	Sylvania	015
Kenwood	000	Shinsonic	005
Koss	014	Technics	000
Magnavox	001, 015	Theta Digital	008
Marantz	006	Toshiba	001, 016, 022
Microsoft	003	Urban Concepts	001
Mintek	017	Xbox	003
Mitsubishi	002	Yamaha	000, 006
Nesa	017	Zenith	001, 010

11

Connections to other equipment

The exact arrangement you use to interconnect various video and audio components to the Plasma Display is dependent on the model and features of each component. Check the Owner's Manual provided with each component for the location of video and audio inputs and outputs.

The connection diagrams below are offered as suggestions. You may need to modify them to accommodate your particular assortment of components. The diagrams are intended to show component video and audio interconnections only.
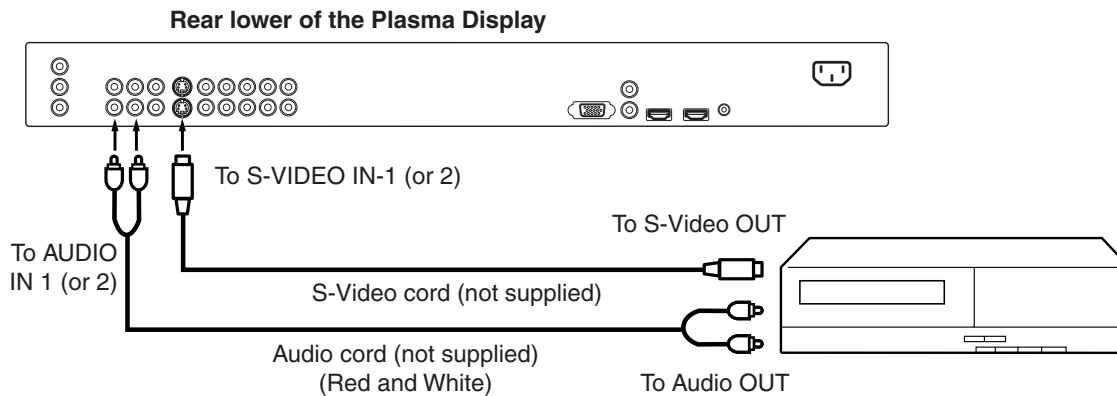
To connect the Plasma Display to a VCR

Rear lower of the Plasma Display

To AUDIO/VIDEO IN-1 (or 2)

Audio/Video cord (not supplied)
(Red, White and Yellow)

To Audio/Video OUT

NOTE:
To change the TV mode to this connected device please review "Selecting the video input source" on page 19.

To connect the Plasma Display to a VCR with an S-Video cord

If you connect a VCR with an S-VIDEO cord to the S-VIDEO IN jack on the rear of the Plasma Display, you must also connect the audio cords to the AUDIO IN jacks on the rear of the Plasma Display. The S-VIDEO cord only carries the video signal. The audio signal is separate.

Rear lower of the Plasma Display

To S-VIDEO IN-1 (or 2)

To S-Video OUT

To AUDIO IN 1 (or 2)

S-Video cord (not supplied)

Audio cord (not supplied)
(Red and White)

To Audio OUT

NOTES:
- When the S-video cord and the video cord are connected to each jack at the same time, the S-video cord takes precedence over the video cord.
- To change the TV mode to this connected device please review "Selecting the video input source" on page 19.
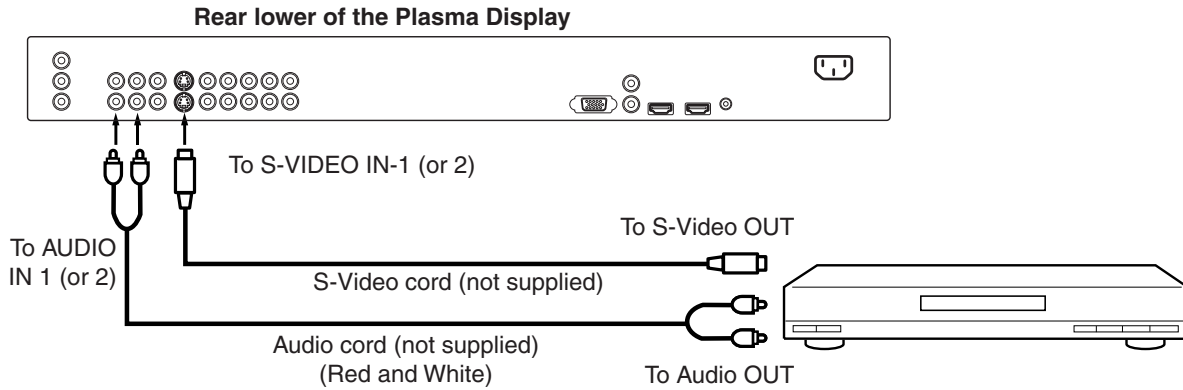
12

To connect the Plasma Display to a DVD player/Satellite receiver

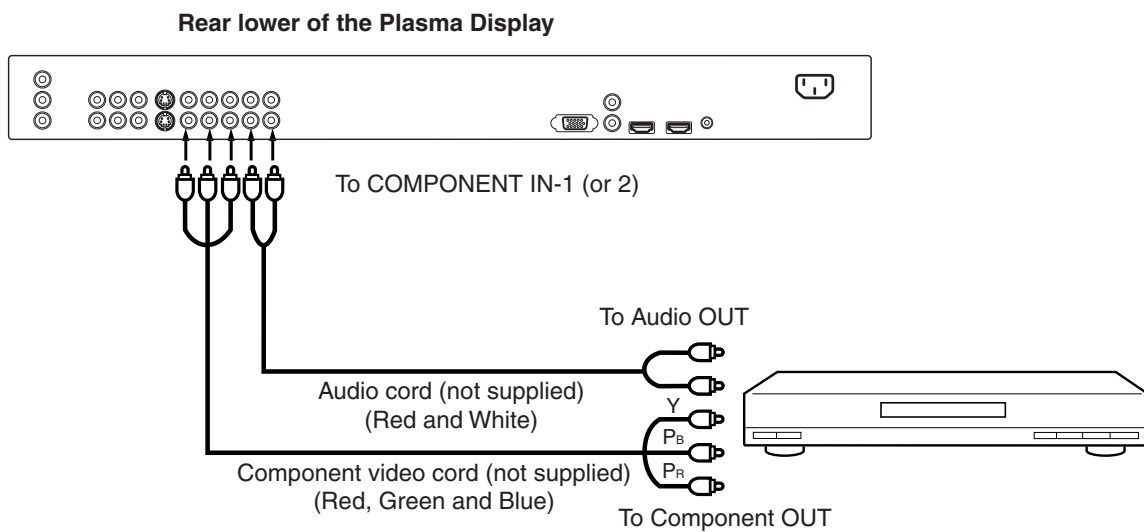If your DVD player or Satellite receiver has an S-Video out jack, connect cords as shown.

Rear lower of the Plasma Display

To S-VIDEO IN-1 (or 2)

To S-Video OUT

To AUDIO
IN 1 (or 2)

S-Video cord (not supplied)

Audio cord (not supplied)
(Red and White)

To Audio OUT

NOTE:
To change the TV mode to this connected device please review "Selecting the video input source" on page 19.

To connect the Plasma Display to a DVD player with component video

If your DVD player has component video out jacks, connect your Plasma Display to a DVD player using a component video cord. It can greatly enhance picture quality and performance.
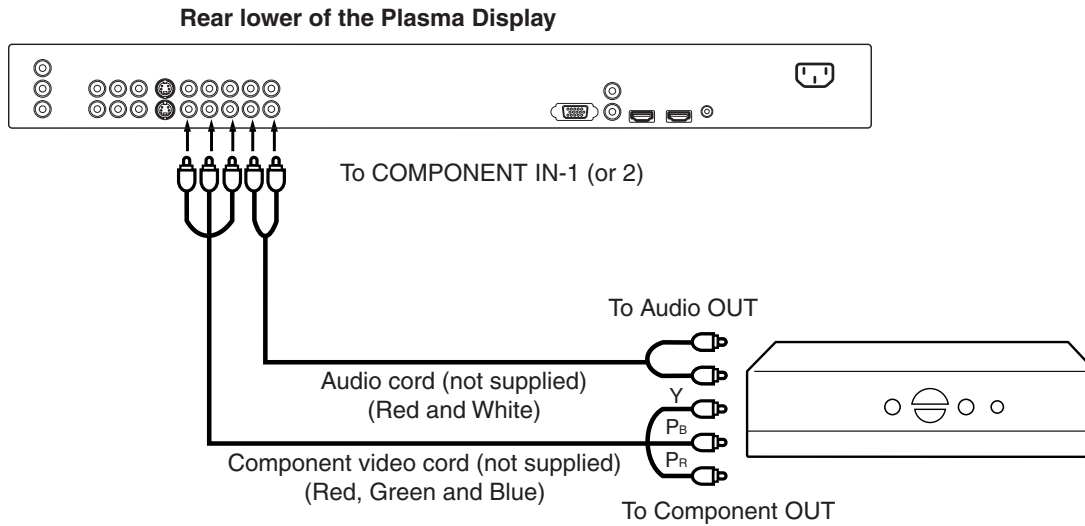
Rear lower of the Plasma Display

To COMPONENT IN-1 (or 2)

To Audio OUT

Audio cord (not supplied)
(Red and White)

Y
P_B
P_R

Component video cord (not supplied)
(Red, Green and Blue)

To Component OUT

NOTES:
- Component Video input of this unit are for use of device which output 480i/1080i interlaced signals and 480p/720p progressive signals.
- To change the TV mode to this connected device please review "Selecting the video input source" on page 19.

13

Connections to other equipment

To connect the Plasma Display to a DTV receiver/set-top box

If you connect a DTV receiver/set-top box, connect your Plasma Display to a DTV receiver/set-top box using a component video cord.
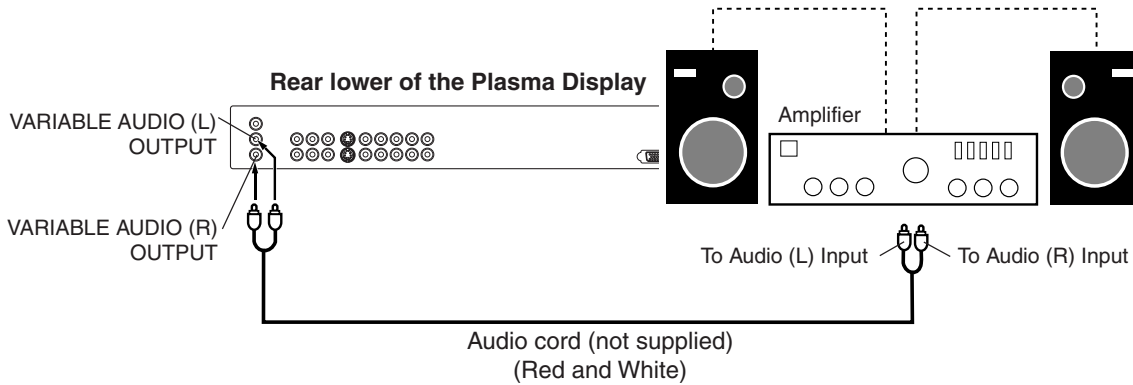
Rear lower of the Plasma Display

To COMPONENT IN-1 (or 2)

To Audio OUT

Audio cord (not supplied)
(Red and White)

Y
P_B
P_R

Component video cord (not supplied)
(Red, Green and Blue)

To Component OUT

NOTE:
To change the TV mode to this connected device please review "Selecting the video input source" on page 19.

To connect an audio system

This connection allows you to use an audio amplifier and external speakers, and adjust the audio level using the Plasma Display's remote control.
To control the audio, turn on the Plasma Display and the stereo amplifier, and turn off the Plasma Display's built-in speakers (see "Turning off the built-in speakers" on page 31).

Rear lower of the Plasma Display

VARIABLE AUDIO (L)
OUTPUT

Amplifier

VARIABLE AUDIO (R)
OUTPUT

To Audio (L) Input   To Audio (R) Input

Audio cord (not supplied)
(Red and White)

NOTE:
To hear sound when using an external audio amplifier, the volume of both the Plasma Display and the amplifier must be set above 0 (zero).
For example, if the volume of the Plasma Display is set to 0, you will not be able to hear any sound, even if the volume of the amplifier is at its highest level.
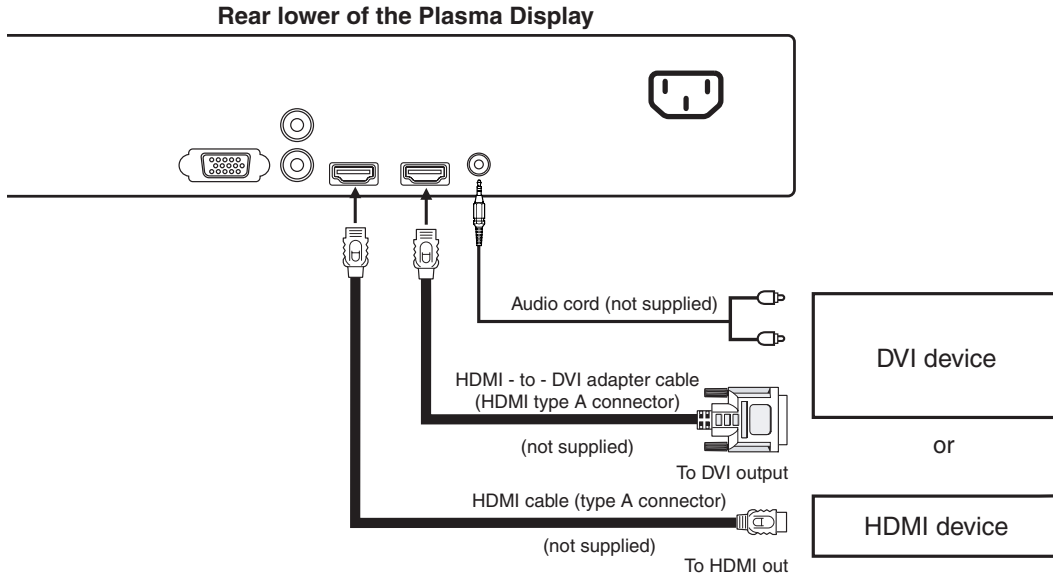
14

To connect the Plasma Display to an HDMI or a DVI device

The HDMI input receives digital audio and uncompressed video from an HDMI device or uncompressed digital video from a DVI device.

When you connect to a DVI device with an HDMI-to-DVI adapter cable, it transfers only the video signal. Separate analog audio cords are required.

Rear lower of the Plasma Display

Audio cord (not supplied)

DVI device

HDMI - to - DVI adapter cable
(HDMI type A connector)

(not supplied)

or

To DVI output

HDMI cable (type A connector)

HDMI device

(not supplied)

To HDMI out

NOTES:
- You must choose an appropriate setting for each connection (see "Selecting the HDMI audio input source" on page 32).
- You can also use HDMI-1 IN for DVI device connection. In this case, you must connect the audio cables to AUDIO L/R, not AUDIO.
- To change the TV mode to this connected device please review "Selecting the video input source" on page 19.

To connect the Plasma Display to a PC (Personal Computer)

Before you connect this Plasma Display to your PC, change the adjustment of your PC's Resolution and Refresh rate (60 Hz).

Connect one end of a (male to male) VGA cable to the video card of the computer and the other end to the VGA connector PC MONITOR on the back of the Plasma Display. Attach the connectors firmly with the screws on the plug.

In case of a Multimedia computer, connect the audio cables to the audio outputs of your Multimedia computer and to the AUDIO L and R connectors of the PC AUDIO/HDMI-1 AUDIO (L/R) IN jacks of the Plasma Display.

Press **INPUT SELECT** on the remote control to select PC mode.

Switch on the computer. The Plasma Display can operate as the computer monitor.

Rear lower of the Plasma Display

PC

To PC IN

To PC AUDIO/HDMI-1
AUDIO (L/R) IN jacks

Audio cord (not supplied)

VGA cable (not supplied)

Monitor Display modes

MODE	Resolution	Refresh rate
VGA	640x480	60Hz
WVGA	848x480	60Hz
SVGA	800x600	60Hz
XGA	1024x768	60Hz
WXGA	1280x768	60Hz
WXGA	1280x720	60Hz
WXGA	1360x768	60Hz

To return to normal mode
Press **INPUT SELECT** again.
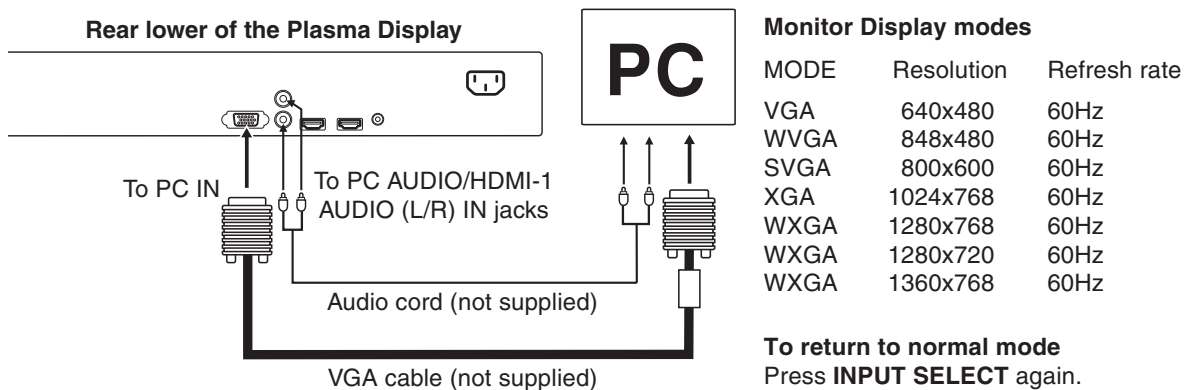
NOTES:
- The on-screen displays will have a different appearance in PC mode than in other mode.
- When you select WXGA or WVGA mode, set the WXGA INPUT or WVGA INPUT to ON in the PC PICTURE menu (see page 34).
- To change the TV mode to this connected device please review "Selecting the video input source" on page 19.
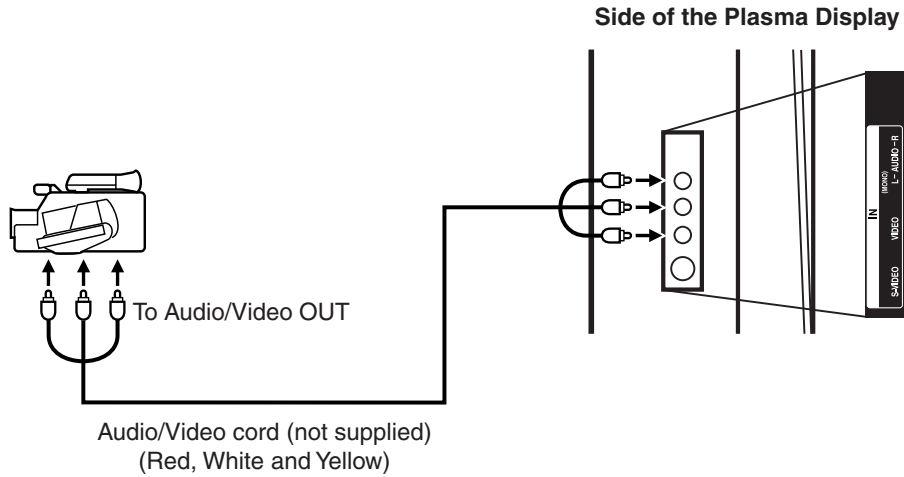
15

ENGLISH

Connections to other equipment

To connect the Plasma Display to a camcorder

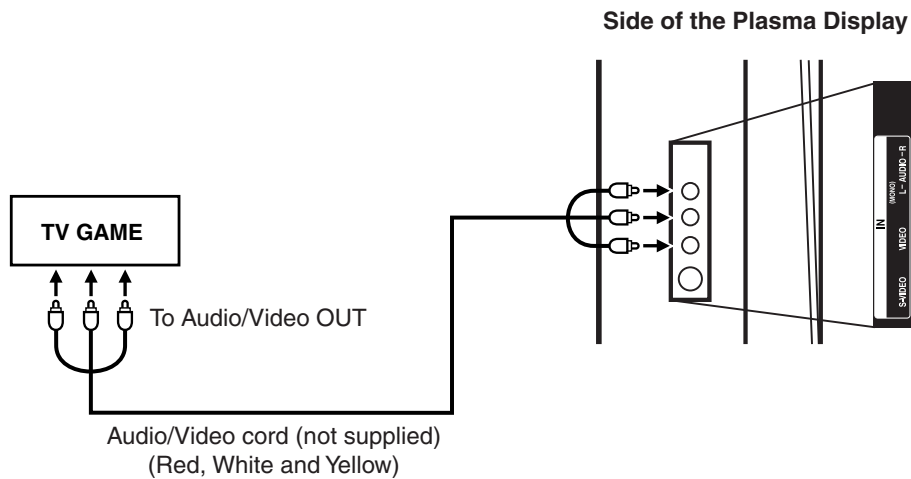To playback from a camcorder, connect the camcorder to the Plasma Display as shown.

Side of the Plasma Display

To Audio/Video OUT

Audio/Video cord (not supplied)
(Red, White and Yellow)

NOTE:
To change the TV mode to this connected device please review "Selecting the video input source" on page 19.

To connect the Plasma Display to a Game

The Plasma Display can also be used as a display device for many video games. However, due to the wide variety of signals generated by these devices and subsequent hook-up variations required, they have not all been included in the suggested connection diagrams. You'll need to consult each component's Owner's Manual for additional information.

Side of the Plasma Display

TV GAME

To Audio/Video OUT

Audio/Video cord (not supplied)
(Red, White and Yellow)

NOTE:
To change the TV mode to this connected device please review "Selecting the video input source" on page 19.

16

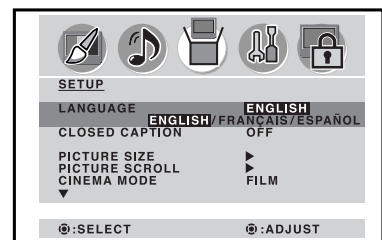**You can choose from three different languages (English, French and Spanish) for the on-screen displays.**
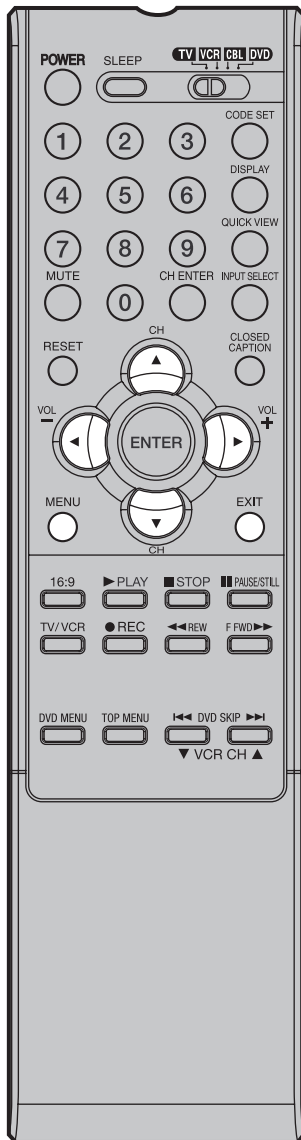
1 Press **MENU**. The menu screen will appear.

2 Press ◄ or ► to select (SETUP) menu.

```
SETUP
LANGUAGE          ENGLISH
CLOSED CAPTION    OFF
PICTURE SIZE      ►
PICTURE SCROLL    ►
CINEMA MODE       FILM
▼
:SELECT          :ADJUST
```
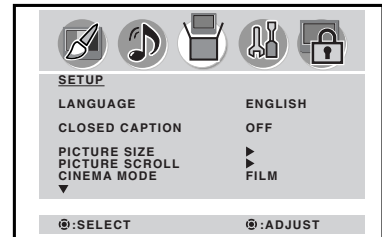
3 Press ▲ or ▼ to select "LANGUAGE".

```
SETUP
LANGUAGE          ENGLISH
                  ENGLISH/FRANÇAIS/ESPAÑOL
CLOSED CAPTION    OFF
PICTURE SIZE      ►
PICTURE SCROLL    ►
CINEMA MODE       FILM
▼
:SELECT          :ADJUST
```

4 Press ◄ or ► to select the desired language: English (ENGLISH), French (FRANÇAIS) or Spanish (ESPAÑOL).

5 Press **EXIT** to return to the normal screen.

NOTE:
If no buttons are pressed for more than about 60 seconds, the MENU screen will return to normal operation automatically.

17

Display operation
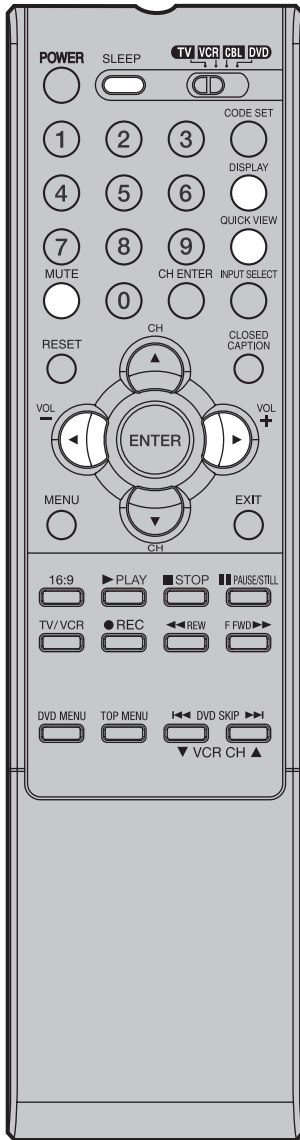
VOLUME

Adjust the volume level by pressing **VOL +** or **–** . The volume level will be indicated on the screen by white bars. As the volume level increases, so do the number of bars. If the volume decreases, the number of white bars also decreases.

```
VOLUME                           32
```
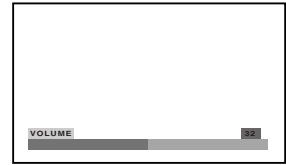
DISPLAY

Press **DISPLAY** to display the current information on the screen.

- VIDEO mode selected
- Video label (if preset)
- Sleep time (if preset)
- Picture size

```
SLEEP TIMER 2h00m

NATURAL              VIDEO1
480i                  VCR
```
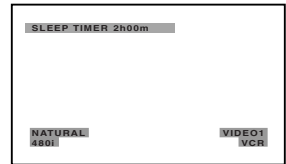
Press **DISPLAY** again to clear the call display.

QUICK VIEW

This button allows you to go back to the last input source selected by pressing **QUICK VIEW**. Press **QUICK VIEW** again to return to the last input source you were watching.

```
                     VIDEO1
                      VCR
```

MUTE

Press **MUTE** to switch off the sound. The unit's sound will be silenced and "MUTE" will appear on the screen. The sound can be switched back on by pressing this button again or **VOL +** or **–**.

```
                     MUTE
```

SLEEP

To set the unit to turn off after a preset amount of time, press **SLEEP** on the remote control. The clock will count up 10 minutes for each press of the **SLEEP** button (0h00m, 0h10m, ...1h50m, 2h00m).

```
                    SLEEP
                    2h00m
```
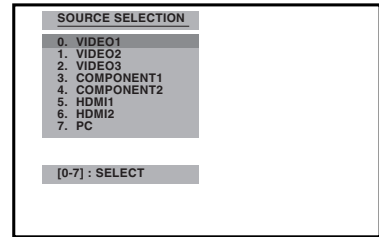
After the sleep time is programmed, the display will appear briefly every ten minutes to remind you that the sleep timer is operating. To confirm the sleep timer setting, press **SLEEP** and the remaining time will be displayed for a few seconds. To cancel the sleep timer, press **SLEEP** repeatedly until the display turns to 0h00m.

18

Selecting the video input source/Labeling the video input source

Selecting the video input source

Press **INPUT SELECT** to view a signal from another device connected to your Plasma Display, such as a VCR or DVD player. You can select VIDEO1, VIDEO2, VIDEO3 (left side of the unit), COMPONENT1, COMPONENT2, HDMI1, HDMI2 or PC depending on which input jacks you used to connect your devices.
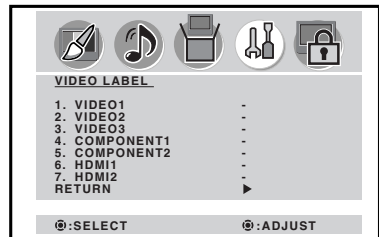
```
┌─────────────────────────┐
│   SOURCE SELECTION      │
│                         │
│   0.  VIDEO1            │
│   1.  VIDEO2            │
│   2.  VIDEO3            │
│   3.  COMPONENT1       │
│   4.  COMPONENT2       │
│   5.  HDMI1            │
│   6.  HDMI2            │
│   7.  PC              │
│                         │
│   [0-7] : SELECT       │
│                         │
└─────────────────────────┘
```

Pressing **INPUT SELECT** on the remote control displays the current signal source. To change the video input source, press **INPUT SELECT** again or **0-7**.

Labeling the video input source

The video label feature allows you to label each input source for your unit.

1 Press **MENU**. Then press ◄ or ► to select 🔧 (VIDEO LABEL) menu.

```
┌─────────────────────────────────────┐
│  🖌  🎵  📺  🔧  🔒              │
│                                     │
│  VIDEO LABEL                        │
│                                     │
│  1.  VIDEO1          -              │
│  2.  VIDEO2          -              │
│  3.  VIDEO3          -              │
│  4.  COMPONENT1      -              │
│  5.  COMPONENT2      -              │
│  6.  HDMI1           -              │
│  7.  HDMI2           -              │
│  RETURN             ►               │
│                                     │
│  ◉:SELECT        ◉:ADJUST          │
└─────────────────────────────────────┘
```

2 Press ▲ or ▼ to select the video source you want to label.

```
┌─────────────────────────────────────┐
│  🖌  🎵  📺  🔧  🔒              │
│                                     │
│  VIDEO LABEL                        │
│                                     │
│  1.  VIDEO1          -/VCR/DVD/DTV  │
│  2.  VIDEO2          -    SAT/CBL   │
│  3.  VIDEO3          -              │
│  4.  COMPONENT1      -              │
│  5.  COMPONENT2      -              │
│  6.  HDMI1           -              │
│  7.  HDMI2           -              │
│  RETURN             ►               │
│                                     │
│  ◉:SELECT        ◉:ADJUST          │
└─────────────────────────────────────┘
```
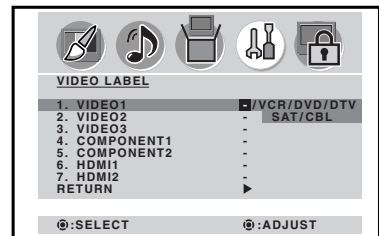
3 Press ◄ or ► to select the desired label for that input source.

```
┌─────────────────────────────────────┐
│  🖌  🎵  📺  🔧  🔒              │
│                                     │
│  VIDEO LABEL                        │
│                                     │
│  1.  VIDEO1          - /VCR/DVD/DTV │
│  2.  VIDEO2          -    SAT/CBL   │
│  3.  VIDEO3          -              │
│  4.  COMPONENT1      -              │
│  5.  COMPONENT2      -              │
│  6.  HDMI1           -              │
│  7.  HDMI2           -              │
│  RETURN             ►               │
│                                     │
│  ◉:SELECT        ◉:ADJUST          │
└─────────────────────────────────────┘
```

- **–** : Uses the default label name
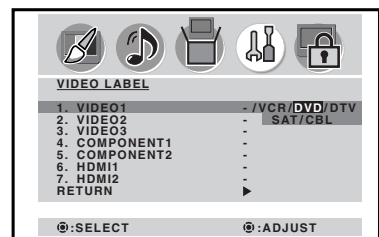- **VCR** : Video cassette recorder
- **DVD** : DVD video
- **DTV** : Digital TV set-top box
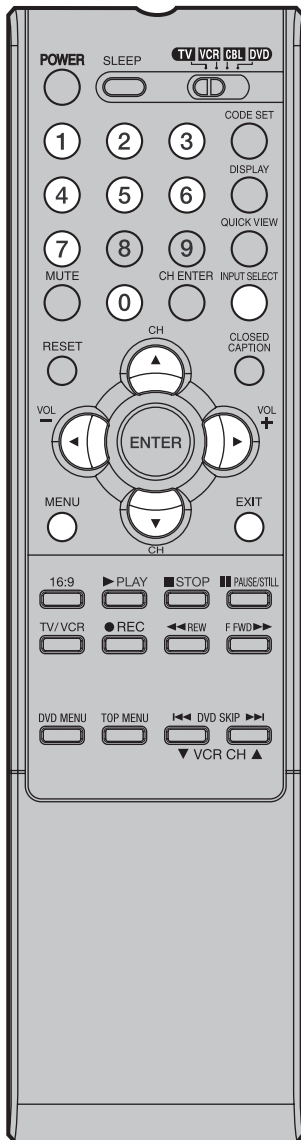- **SAT** : Satellite box
- **CBL** : Cable box
- **HD** : HDMI device (only HDMI)

4 Press **EXIT** to return to the normal screen.

19

Closed Caption
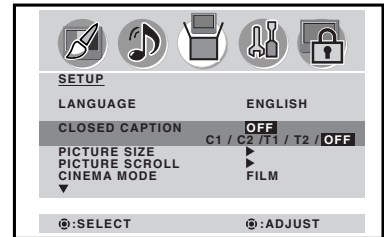
WHAT IS CLOSED CAPTIONING?

This Plasma Display has the capability to decode and display Closed Captioned television programs. Closed Captioning will display text on the screen for hearing impaired viewers and may translate and display text in another language if broadcast.

Captions: This Closed Caption Mode will display text on the screen in English or another language if broadcast. Generally, Closed Captions in English are transmitted on C1 and Closed Captions in other languages are transmitted on C2.

Text: The Text Closed Caption Mode will usually fill 1/2 of the screen with a programming schedule or other information.
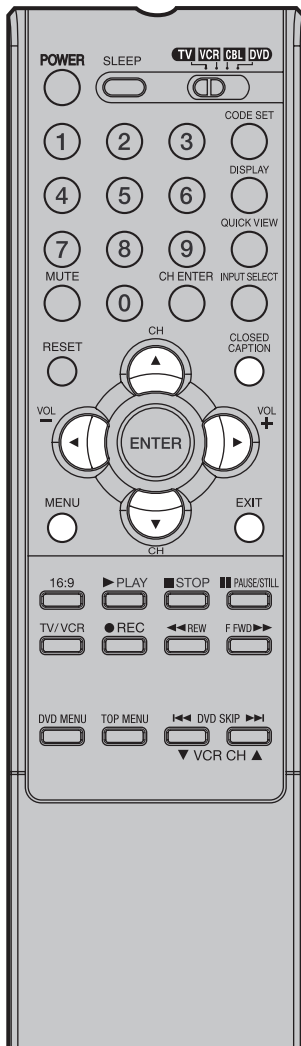
1 Select desired video source for the Plasma Display.

2 Press **MENU**, then press ◀ or ▶ to display 🗄 (SETUP) menu.

3 Press ▲ or ▼ to select "CLOSED CAPTION".

```
SETUP
LANGUAGE              ENGLISH
CLOSED CAPTION        OFF
                     C1 / C2 /T1 / T2 / OFF
PICTURE SIZE         ▶
PICTURE SCROLL       ▶
CINEMA MODE          FILM
▼
⊙:SELECT             ⊙:ADJUST
```

NOTE:
This screen can be displayed by pressing the **CLOSED CAPTION** button on the Remote control.

4 Press ◀ or ▶ to select the desired Closed Caption mode.

NOTE:
To turn the Closed Caption feature off, select "OFF".

5 Press **EXIT** to return to the normal screen.

NOTES:
- If the program or video you selected is not closed-captioned, no captions will display on-screen.
- If text is not available in your viewing area, a black rectangle may appear on-screen. If this happens, set the Closed Caption feature to "OFF".
- When selecting Closed Captions, the captioning will be delayed approx. 10 seconds.
- If no caption signal is received, no captions will appear, but the plasma Display will remain in the Caption Mode.
- Misspellings or unusual characters may occasionally appear during Closed Captioning. This is normal with Closed Captioning, especially with live programs. This is because during live programs, captions are also entered live. These transmissions do not allow time for editing.
- When Captions are being displayed, on-screen displays, such as volume and mute may be seen but may interfere with Closed Captions.
- Some Cable TV systems and copy protection systems may interfere with the Closed Captioned signal.

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You can lock the front panel buttons to prevent your settings from being changed accidentally (by children, for example). When the panel lock is ON, all control buttons on the Plasma Display front panel (except POWER) do not operate.
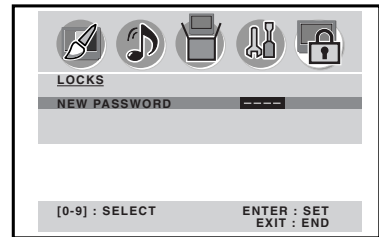To use the panel lock function, you must register a password.
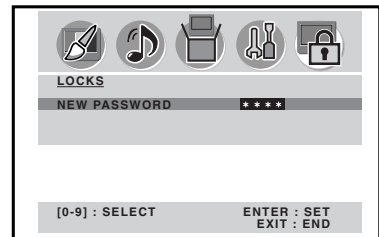
To register a password

1 Press **MENU**. The menu screen will appear. Then press ◄ or ► to select 🔒 (LOCKS) menu.

LOCKS
PANEL LOCK
NEW PASSWORD

⊙:SELECT   ⊙:ADJUST

2 Press ▲ or ▼ to display the password entering mode.

LOCKS
NEW PASSWORD   – – – –

[0-9] : SELECT   ENTER : SET
                        EXIT : END
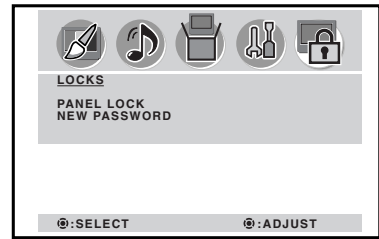
3 Enter the password (4 digits) using **number buttons (0-9)**, then press **ENTER**.

LOCKS
NEW PASSWORD   ✳ ✳ ✳ ✳

[0-9] : SELECT   ENTER : SET
                        EXIT : END

"✳" appears instead of the number.

4 Enter the same password to confirm, then press **ENTER**.
The password is now registered and the LOCKS menu will appear on the screen.

LOCKS
CONFIRM PASSWORD   ✳ ✳ ✳ ✳

[0-9] : SELECT   ENTER : SET
                        EXIT : END
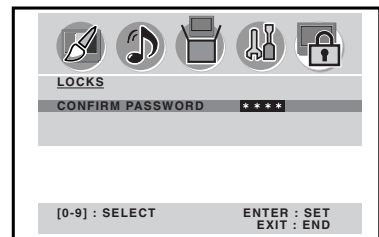
ENGLISH

NOTES:
- Do not forget the password. If you forget the password, contact the dealer that you purchased the unit from.
- To avoid forgetting the password, write it down and keep in a safe place.

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To change the password

1 Press **MENU**, then press ◄ or ► to select 🔒 (LOCKS) menu.
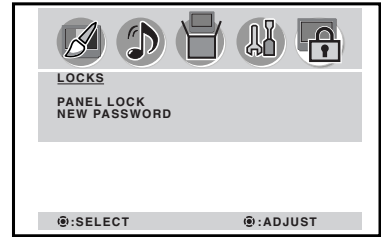
> LOCKS
> PANEL LOCK
> NEW PASSWORD
>
> ⊕:SELECT   ⊕:ADJUST

2 Press ▲ or ▼ to display the password entering mode. Use the **number buttons (0-9)** to enter your password, then press **ENTER**. The LOCKS menu appears.

> LOCKS
> PASSWORD   ＊＊＊＊
>
> [0-9] : SELECT   ENTER : SET
>   EXIT : END
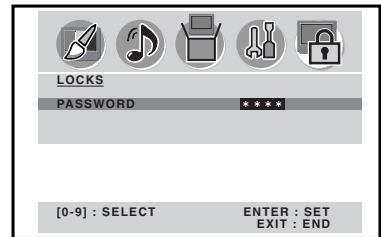
3 Press ▲ or ▼ to select "NEW PASSWORD", then press ◄ or ►.

> LOCKS
> PANEL LOCK   OFF
> NEW PASSWORD   ►
>
> ⊕:SELECT   ⊕:ADJUST
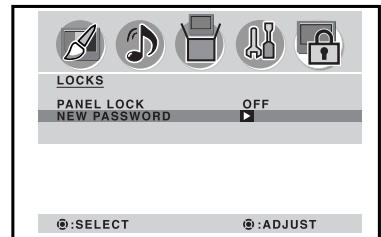
4 Enter a new password using the **number buttons (0-9)**, then press **ENTER**.

> LOCKS
> NEW PASSWORD   ＊＊＊＊
>
> [0-9] : SELECT   ENTER : SET
>   EXIT : END
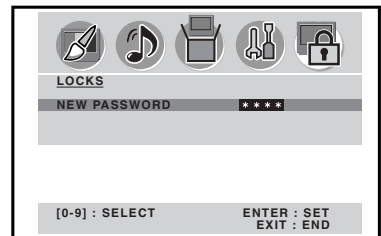
5 Enter the same password again to confirm, then press **ENTER**.

> LOCKS
> CONFIRM PASSWORD   ＊＊＊＊
>
> [0-9] : SELECT   ENTER : SET
>   EXIT : END
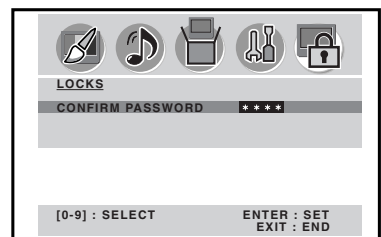
6 Press **EXIT** to return to the normal screen.

22

ENGLISH
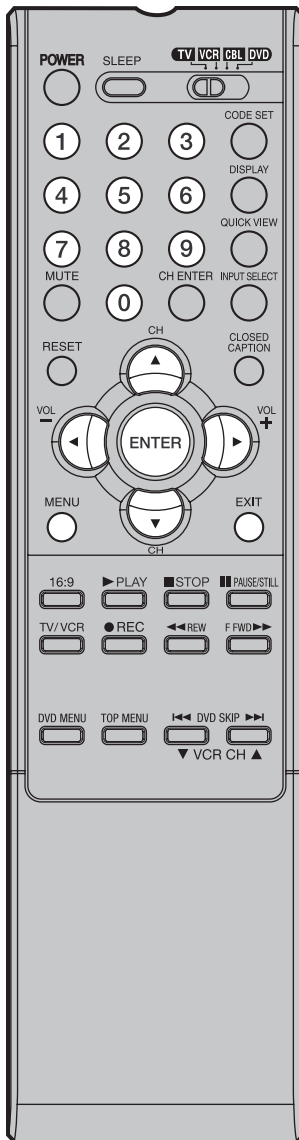
To lock the front panel

1 Press **MENU**, then press ◄ or ►
to select 🔒 (LOCKS) menu.
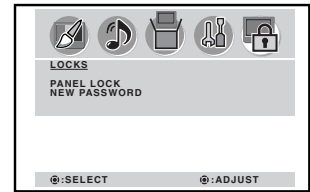
LOCKS
PANEL LOCK
NEW PASSWORD

⊙:SELECT   ⊙:ADJUST

2 Press ▲ or ▼ to display the
password entering mode. Use the
number buttons (0-9) to enter
your password, then press
ENTER. The LOCKS menu
appears.

LOCKS
PASSWORD   ＊＊＊＊

[0-9] : SELECT   ENTER : SET
                        EXIT : END
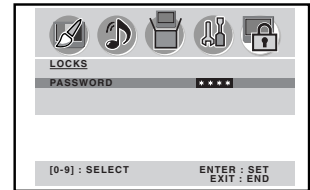
3 Press ▲ or ▼ to select "PANEL
LOCK" and press ◄ or ► to select
"ON".
If a button on the front panel is
pressed, the message "NOT
AVAILABLE" appears.

LOCKS
PANEL LOCK   ON/OFF
NEW PASSWORD   ►

⊙:SELECT   ⊙:ADJUST
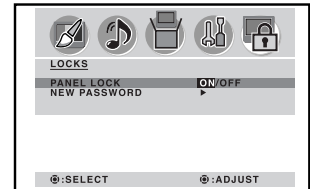
4 Press **EXIT** to return to the normal screen.

To unlock the front panel

Press and hold **VOLUME** ▼ on the front panel of Plasma Display
for about 10 seconds until the message "PANEL LOCK:OFF"
appears on the screen.

You also can unlock the front panel using the menus

1 Press **MENU**, then press ◄ or ►
to select 🔒 (LOCKS) menu.
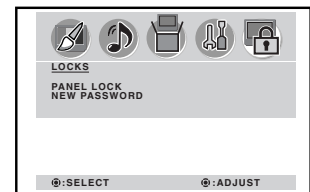
LOCKS
PANEL LOCK
NEW PASSWORD

⊙:SELECT   ⊙:ADJUST

2 Press ▲ or ▼ to display the
password entering mode.
Use the **number buttons (0-9)** to
enter your password, then press
ENTER. The LOCKS menu
appears.

LOCKS
PASSWORD   ＊＊＊＊

[0-9] : SELECT   ENTER : SET
                        EXIT : END
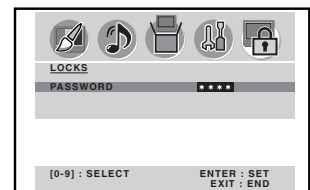
3 Press ▲ or ▼ to select "PANEL
LOCK", then press ◄ or ► to
select "OFF".

LOCKS
PANEL LOCK   ON/OFF
NEW PASSWORD   ►

⊙:SELECT   ⊙:ADJUST

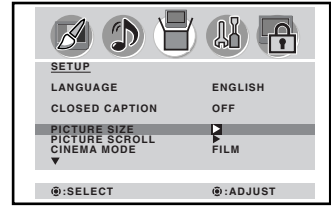**4** Press **EXIT** to return to the normal screen.

23
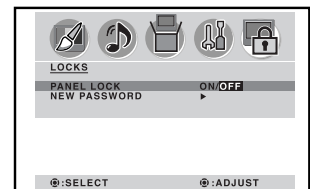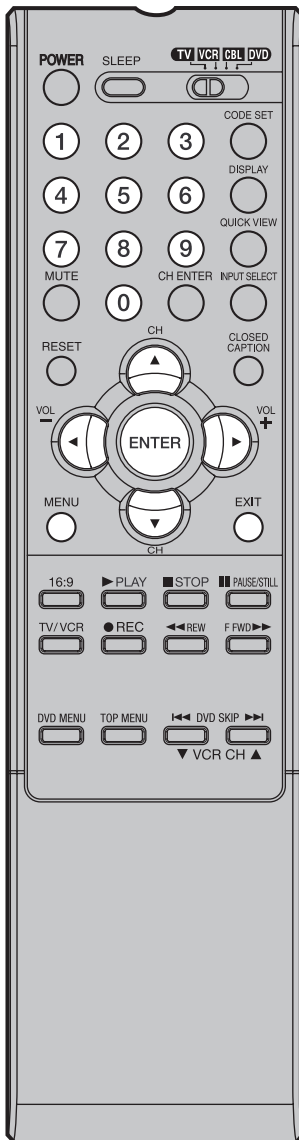
Setting the picture size

You can view 480i and 480p format programs in a variety of picture sizes —NATURAL, CINEMA WIDE1, CINEMA WIDE2, CINEMA WIDE3, and FULL.
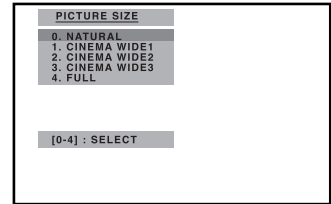
Selecting the picture size

1 Press **MENU**. Press ◄ or ► to select ▦ (SETUP) menu. Press ▲ or ▼ to select "PICTURE SIZE".

```
        🖌 🎵 🖥 🔧 🔒
  SETUP
  LANGUAGE            ENGLISH
  CLOSED CAPTION      OFF
  PICTURE SIZE           ▷
  PICTURE SCROLL         ▷
  CINEMA MODE         FILM
  ▼
  ⊕:SELECT           ⊕:ADJUST
```

2 Press ◄ or ►. The PICTURE SIZE menu will appear. Press ▲ / ▼ or a **number buttons (0-4)** to select the desired picture size, as described below and on the next page.

```
     PICTURE SIZE
   0. NATURAL
   1. CINEMA WIDE1
   2. CINEMA WIDE2
   3. CINEMA WIDE3
   4. FULL


   [0-4] : SELECT
```

3 Press **EXIT** to return to the normal screen.

NOTE:
You can also display the PICTURE SIZE menu by pressing the **16:9** button on the remote control.

NATURAL picture size

In many cases, this image will display the size of standard 4:3 with a gray side bar.
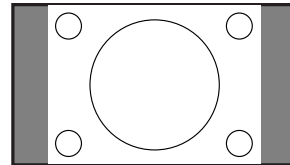
CINEMA WIDE1 picture size (for 4:3 format programs)

To fill the screen, the right and left edges are extended more widely though the center of the picture remains near former ratio.

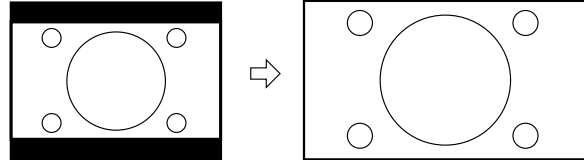The top and bottom edges of the picture may be hidden.
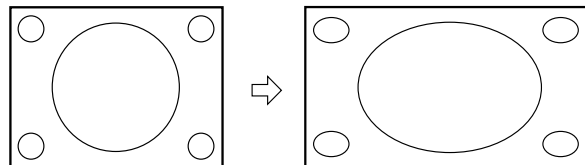
NOTES:
- The PICTURE SIZE feature is not available for some program formats (such as 1080i or 720p). Such formats will display in FULL.
- The PICTURE SIZE feature is available in the PC mode only for NATURAL or FULL.

CINEMA WIDE2 picture size (for letter box programs)

The entire picture is uniformly enlarged—it is stretched the same amount both wider and taller (retains its original proportion).

The top and bottom edges of the picture may be hidden. To view the hidden areas, it is possible to make the picture scroll (see page 26).

CINEMA WIDE3 picture size (for letter box programs with subtitles)

To fill the width of the screen, it is extended horizontally. However; it is only slightly extended at the top and the bottom.

The top and bottom edges of the picture may be hidden. To view the hidden areas (such as subtitles or captions), it is possible to make the picture scroll (see page 26).
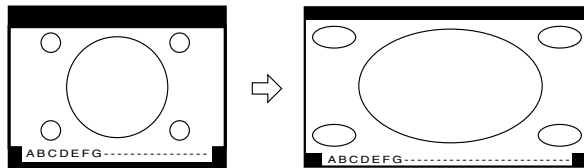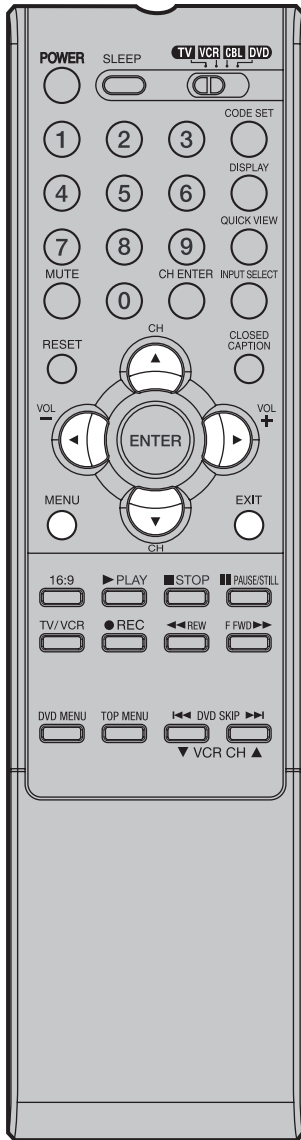
FULL picture size (for 16:9 source programs)

FULL will display the picture at the maximum size.
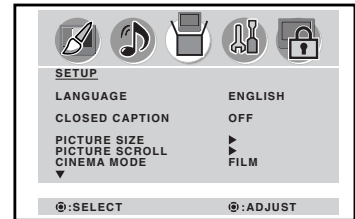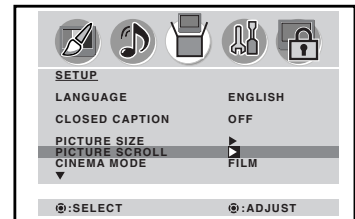
ENGLISH

25
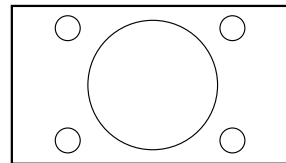
Setting the picture scroll

You can scroll the picture in CINEMA WIDE2 and CINEMA WIDE3.

1 Press **MENU** in CINEMA WIDE2 or CINEMA WIDE3 mode.
Then press ◄ or ► to select (SETUP) menu.

```
SETUP
LANGUAGE              ENGLISH
CLOSED CAPTION        OFF
PICTURE SIZE          ►
PICTURE SCROLL        ►
CINEMA MODE           FILM
▼
  :SELECT              :ADJUST
```

2 Press ▲ or ▼ to select "PICTURE SCROLL".

```
SETUP
LANGUAGE              ENGLISH
CLOSED CAPTION        OFF
PICTURE SIZE          ►
PICTURE SCROLL        ►
CINEMA MODE           FILM
▼
  :SELECT              :ADJUST
```

3 Press ◄ or ► to display the SCROLL ADJUSTMENT mode.

```
          SCROLL ADJUSTMENT   0
                 :ADJUST
```

4 Press ▲ or ▼ to adjust the vertical position of the picture.

Normal (centre) position

SCROLL ADJUSTMENT   0
:ADJUST

To raise the picture, press ▲.

SCROLL ADJUSTMENT   +20
:ADJUST
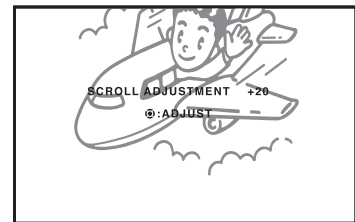
To lower the picture, press ▼.

SCROLL ADJUSTMENT   -10
:ADJUST
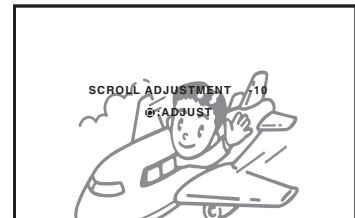
5 Press **EXIT** to return to the normal screen.

NOTE:
The scroll amounts are as follows:
• 480i/480p signal source:
  CINEMA WIDE1 : Not adjustable
  CINEMA WIDE2 : –10 to + 20
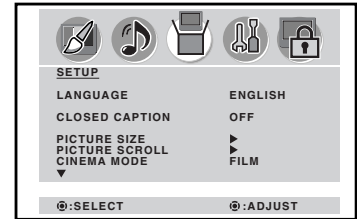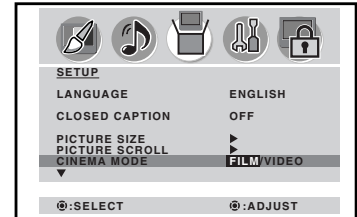 CINEMA WIDE3 : –10 to +10

26

Selecting the cinema mode

A smoother motion may be obtained by setting the CINEMA MODE to FILM when you view a DVD from the DVD player connected with the component input.

To set the CINEMA MODE to FILM

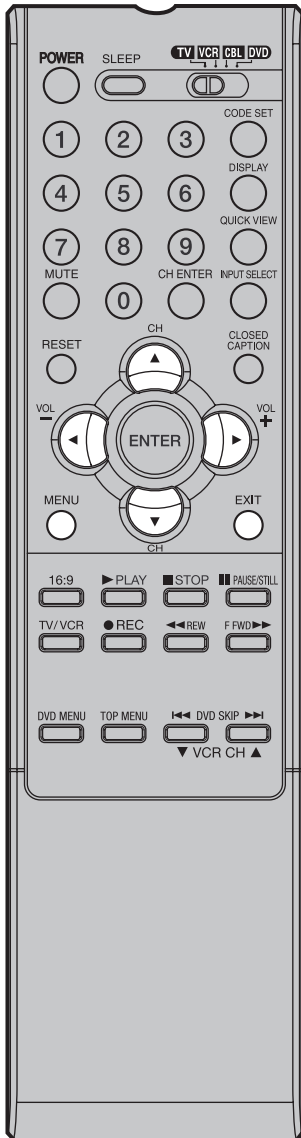**1** Press **MENU**, then press ◄ or ► to select (SETUP) menu.

```
      SETUP
LANGUAGE              ENGLISH
CLOSED CAPTION       OFF
PICTURE SIZE          ►
PICTURE SCROLL        ►
CINEMA MODE          FILM
▼
  :SELECT              :ADJUST
```

2 Press ▲ or ▼ to select "CINEMA MODE", and then press ◄ or ► to select "FILM".

```
      SETUP
LANGUAGE              ENGLISH
CLOSED CAPTION       OFF
PICTURE SIZE          ►
PICTURE SCROLL        ►
CINEMA MODE          FILM/VIDEO
▼
  :SELECT              :ADJUST
```

3 Press **EXIT** to return to the normal screen.

To set the CINEMA MODE to VIDEO :
Press ◄ or ► to select "VIDEO" in step 2 above.

27
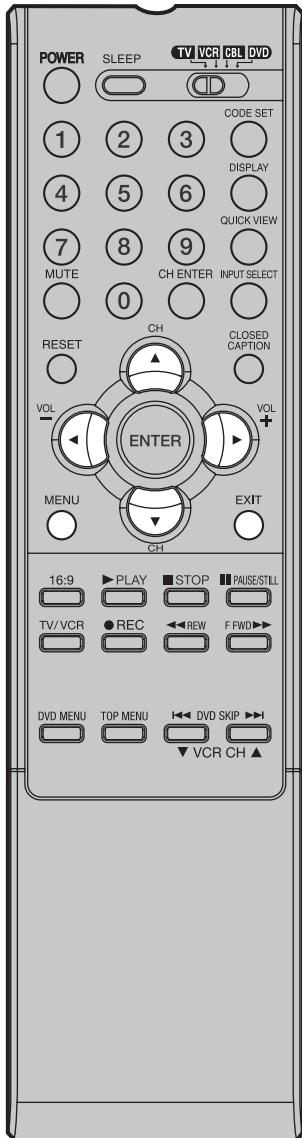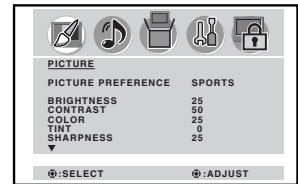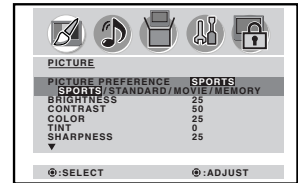
Adjusting the picture preference

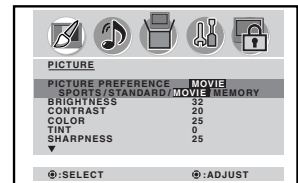**You can select four picture modes —SPORTS, STANDARD, MOVIE, and MEMORY—as described in the following table:**

1 Press **MENU**, then press ◀ or ▶ to select ◪ (PICTURE) menu.

```
PICTURE
PICTURE PREFERENCE    SPORTS
BRIGHTNESS            25
CONTRAST             50
COLOR                25
TINT                  0
SHARPNESS            25
▼
⊕:SELECT              ⊕:ADJUST
```

2 Press ▲ or ▼ to select "PICTURE PREFERENCE".

```
PICTURE
PICTURE PREFERENCE    SPORTS
  SPORTS / STANDARD / MOVIE / MEMORY
BRIGHTNESS            25
CONTRAST             50
COLOR                25
TINT                  0
SHARPNESS            25
▼
⊕:SELECT              ⊕:ADJUST
```

3 Press ◀ or ▶ to select the item you want to adjust.

```
PICTURE
PICTURE PREFERENCE    MOVIE
  SPORTS / STANDARD / MOVIE / MEMORY
BRIGHTNESS            32
CONTRAST             20
COLOR                25
TINT                  0
SHARPNESS            25
▼
⊕:SELECT              ⊕:ADJUST
```

Mode	Picture Quality
SPORTS	Bright and dynamic picture (factory-set)
STANDARD	Standard picture quality (factory-set)
MOVIE	Movie-like picture setting (factory-set)
MEMORY	Your personal preferences (set by you; see "Picture control adjustment" on page 29).

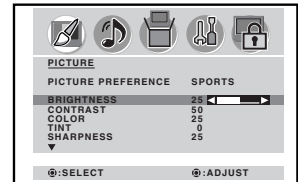**4** After your desired setting, press **EXIT** to return to the normal screen.

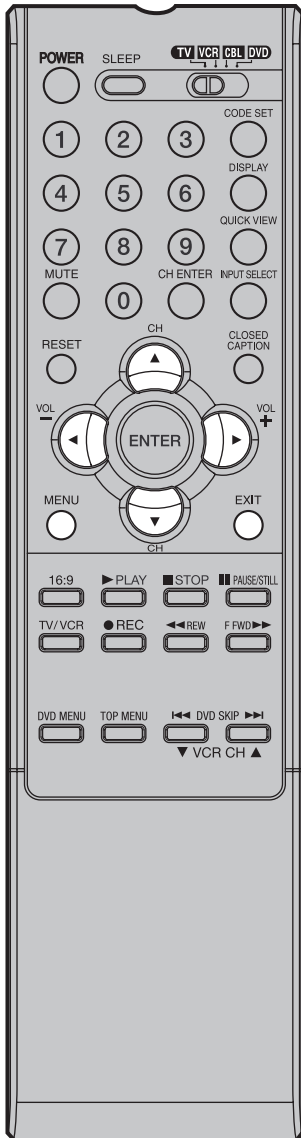**1** Press **MENU**, then press ◀ or ▶ to select ▨ (PICTURE) menu.

```
┌─────────────────────────────────┐
│  ▨  ♪  📋  ⚒  🔒                │
│  ─────────────────────────────  │
│  PICTURE                        │
│  PICTURE PREFERENCE    SPORTS   │
│  BRIGHTNESS            25        │
│  CONTRAST             50        │
│  COLOR                25        │
│  TINT                  0        │
│  SHARPNESS            25        │
│  ▼                              │
│  ⊕:SELECT        ⊕:ADJUST       │
└─────────────────────────────────┘
```

2 Press ▲ or ▼ to select the item you want to adjust.
Press ◀ or ▶ to adjust the setting.

```
┌─────────────────────────────────┐
│  ▨  ♪  📋  ⚒  🔒                │
│  ─────────────────────────────  │
│  PICTURE                        │
│  PICTURE PREFERENCE    SPORTS   │
│  BRIGHTNESS           25 ◀▭▭▶   │
│  CONTRAST             50        │
│  COLOR                25        │
│  TINT                  0        │
│  SHARPNESS            25        │
│  ▼                              │
│  ⊕:SELECT        ⊕:ADJUST       │
└─────────────────────────────────┘
```
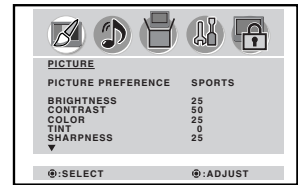
	◀	▶
BRIGHTNESS	decrease brightness	increase brightness
CONTRAST	decrease contrast	increase contrast
COLOR	paler color	brilliant color
TINT	reddish color tint	greenish color tint
SHARPNESS	makes picture softer	makes picture clearer

3 After your desired setting, press **EXIT** to return to the normal screen.

NOTE:
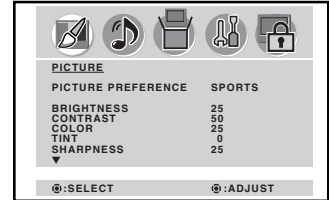The CONTRAST default setting is set to maximum at the factory.

29

Selecting the colour temperature/ Resetting your picture adjustment

## Selecting the colour temperature
Change the picture quality by selecting from three preset colour temperatures—COOL, MEDIUM, and WARM:

1 Press **MENU**, then press ◄ or ► select ▧ (PICTURE) menu.

```
[PICTURE menu icons]
PICTURE
PICTURE PREFERENCE      SPORTS
BRIGHTNESS              25
CONTRAST               50
COLOR                  25
TINT                    0
SHARPNESS              25
▼
⊕:SELECT          ⊕:ADJUST
```

2 Press ▲ or ▼ to select "COLOR TEMPERATURE". Press ◄ or ► to select the mode you prefer.

```
[PICTURE menu icons]
PICTURE
▲
COLOR
TEMPERATURE     COOL
                COOL / MEDIUM / WARM
RESET           ►
⊕:SELECT          ⊕:ADJUST
```

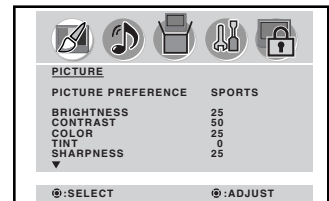| Mode	Picture Quality
COOL	Blueish
MEDIUM	Neutral
WARM	Reddish
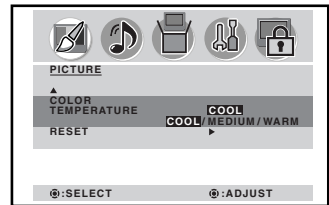
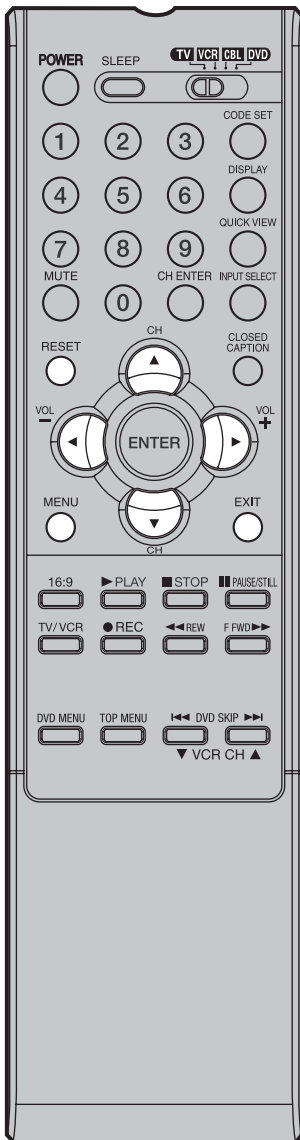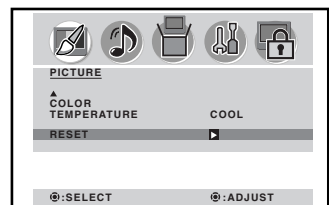**3** Press **EXIT** to return to the normal screen.

Resetting your picture adjustment
The RESET function returns your picture quality adjustments to the following factory settings:

PICTURE PREFERENCE .. SPORTS
BRIGHTNESS .... centre (25)
CONTRAST .... max (50)
COLOR .... centre (25)

TINT .... centre (0)
SHARPNESS .... centre (25)
COLOR TEMPERATURE ... COOL

1 Press **MENU**, then press ◄ or ► to select ▧ (PICTURE) menu.

```
[PICTURE menu icons]
PICTURE
PICTURE PREFERENCE      SPORTS
BRIGHTNESS              25
CONTRAST               50
COLOR                  25
TINT                    0
SHARPNESS              25
▼
⊕:SELECT          ⊕:ADJUST
```

2 Press ▲ or ▼ to select "RESET", then press ►.

```
[PICTURE menu icons]
PICTURE
▲
COLOR
TEMPERATURE        COOL
RESET              ►
⊕:SELECT          ⊕:ADJUST
```

NOTE:
When you press **RESET** in ▧ (PICTURE) menu. The picture adjustments returns to the factory preset levels.

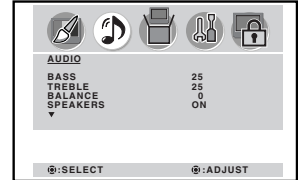**30**

Sound control adjustment

Sound controls are factory preset but you can adjust them individually as follows:

1 Press **MENU**, then press ◀ or ▶ to select (AUDIO) menu.

```
AUDIO
BASS            25
TREBLE          25
BALANCE          0
SPEAKERS        ON
▼
     :SELECT          :ADJUST
```

2 Press ▲ or ▼ to select the item you want to adjust.
   Press ◀ or ▶ to adjust the setting.

```
AUDIO
BASS            25
TREBLE          25
BALANCE          0
SPEAKERS        ON
▼
     :SELECT          :ADJUST
```

   BASS:
   Press ◀ or ▶ to adjust the bass sound.
   TREBLE:
   Press ◀ or ▶ to adjust the treble sound.
   BALANCE:
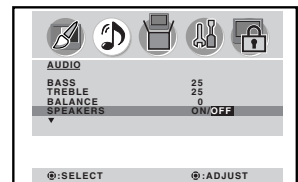   Press ◀ or ▶ to obtain an equal sound level from both speakers.
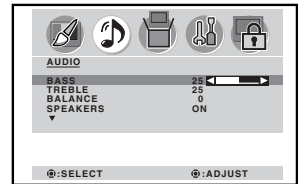
3 After your desired setting, press **EXIT** to return to the normal screen.

Turning off the built-in speakers

Use this feature to turn the Plasma Display speakers off when you connect an audio system (see pages 14).

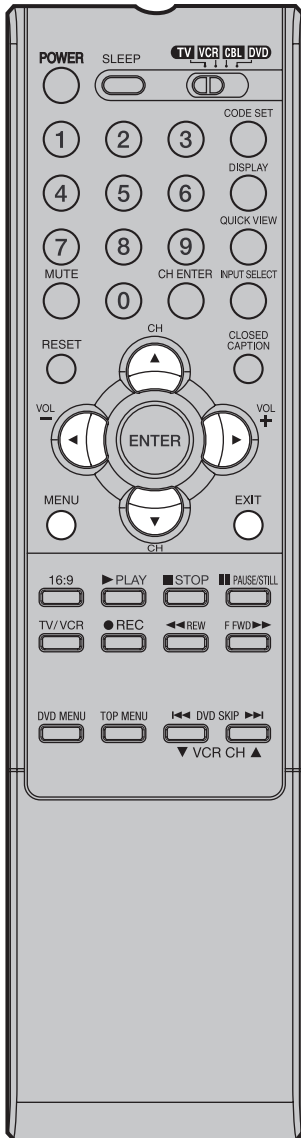1 Press **MENU**, then press ◀ or ▶ to select (AUDIO) menu.

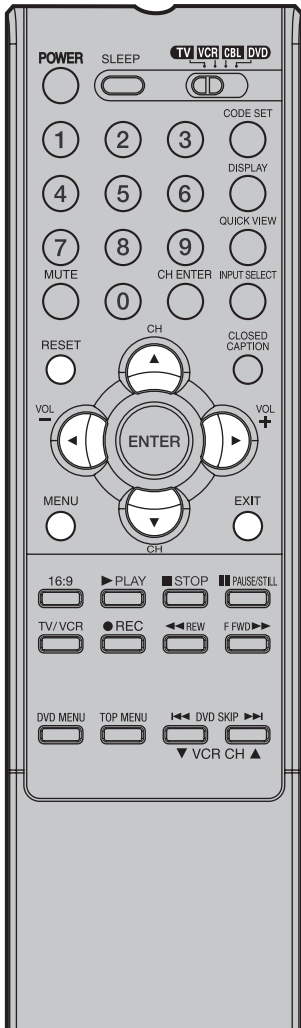2 Press ▲ or ▼ to select "SPEAKERS", and then press ◀ or ▶ to select "OFF".

```
AUDIO
BASS            25
TREBLE          25
BALANCE          0
SPEAKERS      ON/OFF
▼
     :SELECT          :ADJUST
```

3 Press **EXIT** to return to the normal screen.

**To turn on the built-in speakers:**
   Select "ON" in step 2 above.

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Using the WOW™ surround sound feature

SRS WOW is a special combination of SRS Labs audio technologies that creates a thrilling surround sound experience with deep, rich bass from stereo sound sources. Your TV's audio will sound fuller, richer, and wider. SRS WOW consists of three features; SRS 3D, FOCUS, and TruBass.

1 Press **MENU**, then press ◀ or ▶ to select 🎵 (AUDIO) menu.

2 Press ▲ or ▼ to select the desired SRS WOW feature you want to adjust.
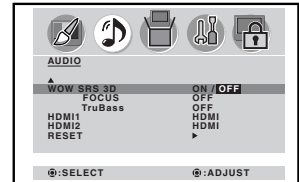
> **WOW SRS 3D:** Press ◀ or ▶ to turn on or off the surround sound effect.
>
> **FOCUS:** Press ◀ or ▶ to turn on or off the vocal emphasis effect.
>
> **TruBass:** Press ◀ or ▶ to select the bass expansion effect HIGH, LOW or OFF.

3 After your desired setting, press **EXIT** to return to the normal screen.

Selecting the HDMI audio input source

When you use HDMI AUDIO IN jacks with HDMI or DVI device, you must select HDMI audio input source from "HDMI" or "DVI".

1 Press **MENU**, then press ◀ or ▶ to select 🎵 (AUDIO) menu.

2 Press ▲ or ▼ to select "HDMI1" or "HDMI2", and then press ◀ or ▶ to select "HDMI" or "DVI".
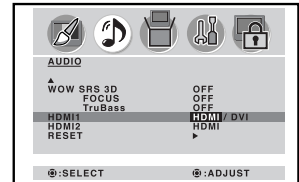
> **HDMI:** When you connect the HDMI device to the Plasma Display, select this setting.
>
> **DVI:** When you connect the DVI device to the Plasma Display with analog audio cords, select this setting.
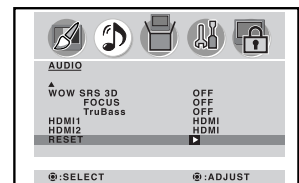
3 Press **EXIT** to return to the normal screen.

Resetting your audio adjustment

The RESET function returns the audio adjustment to the following factory settings:

BASS .... centre (25)
TREBLE .... centre (25)
BALANCE .... centre (0)

1 Press **MENU**, then press ◀ or ▶ to select 🎵 (AUDIO) menu.

2 Press ▲ or ▼ to select "RESET", then press ▶.

WOW, SRS and ◉® symbol are trademarks of SRS Labs, Inc.
WOW technology is incorporated under license from SRS Labs, Inc.

NOTES:
- If the broadcast is monaural, the SRS 3D effect will not work.
- The audio out jacks do not output any of the SRS WOW audio features.
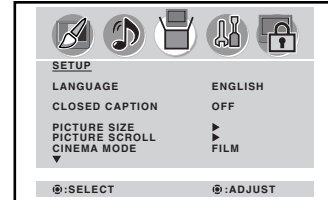- When you press **RESET** in 🎵 (AUDIO) menu. The audio adjustment returns to the factory preset levels.

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ENGLISH

INVERSION/FULL WHITE
Assists in preventing retained images on the screen.

1 Press **MENU**, then press ◄ or ► to select (SETUP) menu.

```
SETUP
LANGUAGE          ENGLISH
CLOSED CAPTION    OFF
PICTURE SIZE      ►
PICTURE SCROLL    ►
CINEMA MODE       FILM
▼
⊕:SELECT          ⊕:ADJUST
```

2 Press ▲ or ▼ to select the "INVERSION" or "FULL WHITE", then press ◄ or ►.

```
SETUP
▲
INVERSION         ►
FULL WHITE        ►
SCREEN SAVER      ON
⊕:SELECT          ⊕:ADJUST
```
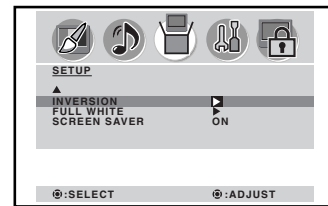
INVERSION
MENU disappears and the screen colour will invert.
FULL WHITE
MENU disappears and the picture showing on screen will be replaced with white screen.

• The screen will return to normal when any button is pressed.

SCREEN SAVER
When a still picture is displayed for an extended period of time, a "ghost" image may permanently appear on the screen.

1 Press **MENU**, then press ◄ or ► to select (SETUP) menu.
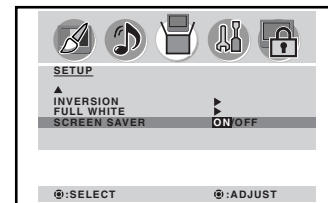
2 Press ▲ or ▼ to select "SCREEN SAVER", then press ◄ or ► to select "ON" or "OFF".

```
SETUP
▲
INVERSION         ►
FULL WHITE        ►
SCREEN SAVER      ON OFF
⊕:SELECT          ⊕:ADJUST
```

3 Press **EXIT** to return to the normal screen.

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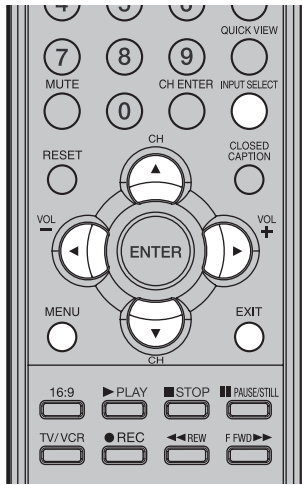# Picture/Audio control adjustment in the PC mode
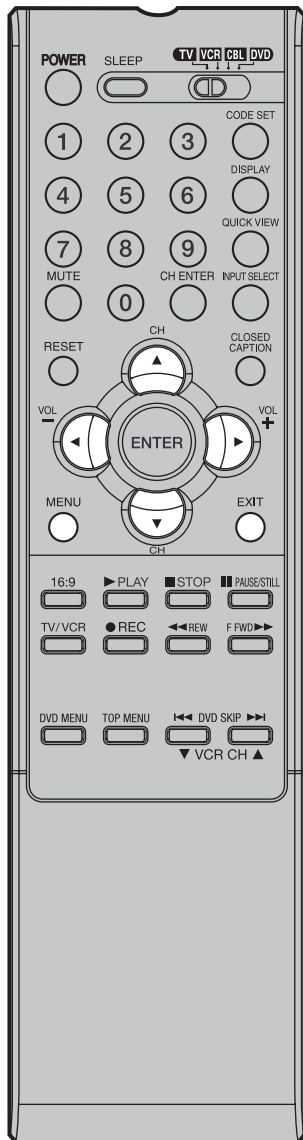
NOTES:
- If you wish to change the on-screen language, follow the steps 1 - 5 on page 17.
- If no buttons are pressed for more than approx. 60 seconds, the PC Monitor Menu-screen will return to normal Monitor-screen automatically.
- The PC Monitor Menu settings are not effective for normal mode, or external input mode.
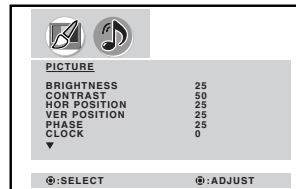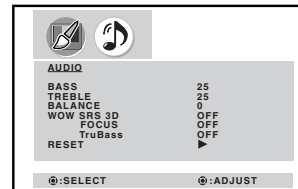
PC Monitor Menu
There are a number of picture and audio settings you can adjust to optimize the performance of the unit in PC mode.

Press **INPUT SELECT** repeatedly to select PC mode.
Press **MENU**. The PC Monitor Menu will appear.

PICTURE Menu   AUDIO Menu

Example: Adjust the contrast.

1 Press **MENU** during PC mode, then press ◄ or ►
   to select (PICTURE) menu.

2 Press ▲ or ▼ to select CONTRAST.

3 Press ◄ or ► to adjust the setting.

4 Press **EXIT** to return to the normal screen.

Picture menu setting:

BRIGHTNESS:	To adjust the brightness of PC Monitor-screen.
CONTRAST:	To adjust the contrast of PC Monitor-screen.
HOR POSITION:	To adjust the horizontal position of the image on the PC Monitor-screen.
VER POSITION:	To adjust the vertical position of the image on the PC Monitor-screen.
PHASE:	This must be adjusted after the frequency of your PC has been set to 60 Hz to optimize picture quality (page 15).
CLOCK:	To minimize any vertical bars or stripes visible on the screen background.
RED/GREEN/BLUE:	To adjust the colour temperature of PC Monitor-screen.
WVGA INPUT:	Set to ON, when you select the WVGA mode on the PC.
WXGA INPUT:	Set to ON, when you select the WXGA mode on the PC.

Audio menu setting:

BASS/TREBLE/BALANCE:	To adjust the sound quality of PC mode.
WOW SRS 3D:	To turn on or off the surround effect in PC mode.
FOCUS:	To turn on or off the vocal emphasis effect in PC mode.
TruBass:	To select your desired bass expansion level (HIGH, LOW or OFF) in PC mode.

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Picture/Audio control adjustment in the PC mode

Resetting your picture/audio adjustment in the PC mode
The RESET function returns your picture/audio adjustment to the following factory settings:

PICTURE menu
BRIGHTNESS ..... centre (25)
CONTRAST .... max (50)
RED .... centre (25)
GREEN .... centre (25)
BLUE .... centre (25)

AUDIO menu
BASS .... centre (25)
TREBLE .... centre (25)
BALANCE .... centre (0)

1   Press **MENU** during PC mode, then press ◄ or ► to select ☒ (PICTURE) or ♪ (AUDIO) menu.

2   Press ▲ or ▼ to select "RESET", then press ►.

```
          ☒    ♪
  PICTURE
  ▲
  RED              25
  GREEN            25
  BLUE             25
  WVGA INPUT       OFF
  WXGA INPUT       OFF
  RESET            ►

  ⊕:SELECT         ⊕:ADJUST
```

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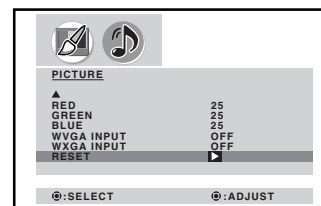
Troubleshooting

Use the following checklist for troubleshooting if you have problems with your Plasma Display. Consult your local dealer or service outlet if problems persist. Be sure all connections are properly made when using with other units.

SYMPTOMS	POSSIBLE SOLUTIONS
Display does not operate.	• Make sure the power cord is plugged in. • Try another AC outlet. • Power is off, check fuse or circuit breaker. • Unplug unit for an hour, then plug it back in.
Poor sound or no sound.	• Check sound adjustments (Volume and Mute). • Check for sources of possible interference.
Poor picture or no picture.	• Check for sources of possible interference. • Check picture control adjustments.
Poor colour or no colour.	• Check picture control adjustments. • Check for sources of possible interference.
No Remote operation.	• Batteries are weak, dead or inserted incorrectly. • Remote is out of range, move closer to Plasma Display (within 15 feet). • Make sure Remote is aimed at sensor. • Confirm there are no obstructions between the Remote and the Plasma Display. • Make sure the power cord is plugged in.
Display shuts off.	• Power interrupted.
Closed - Caption is not activated.	• Set closed caption decoder in the menu.
Display is not shown in your language.	• Select proper language in the menu options.

Cleaning instructions for your Plasma TV

Safety note:
Before you begin to clean, turn the unit power off, and disconnect from the power source.

Be careful not to scratch the plastic coated front panel - it is highly vulnerable to accidental scratching (e.g. by fingernails or other sharp items).
While cleaning, do not wear jewelry that could cause surface scratching (such as rings, wrist-watch, etc.).
Use a moist lint-free cloth and pure water to clean the Plasma Display, assure the cloth is only damp and not wet - and that the cloth is free from any dirt particles that could cause scratches to the surface.
Wipe the set clean using minimal pressure.
DO NOT USE STANDARD WINDOW CLEANER! ITS ALCOHOL / AMMONIA WILL DISSOLVE THE FRONT WINDOW'S COATING!! NEVER USE SOLVENT OR THINNER. NEVER USE SPECIAL CLEANERS WHICH ARE DESIGNED FOR CLEANING PC MONITORS OR CRT TV'S.
Carefully dry with a clean dry lint-free cloth.
Do not use paper towels or tissues to clean the set - paper can disintegrate when wet or may leave a trail of dust behind. Some paper is abrasive and may scratch your screen.

ELECTROHOME®

THE TOLL FREE ELECTROHOME HELPLINE IS 1-800-663-5954
CALL US IF YOU HAVE ANY PROBLEMS OR QUESTIONS
ABOUT YOUR NEW ELECTROHOME PRODUCT
9 am – 5 pm (EASTERN STANDARD TIME) MONDAY TO FRIDAY
RGC REDMOND GROUP
MISSISSAUGA, CANADA

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Power supply:		AC 120 V 60 Hz
Power consumption:		Operation: 520 W
		Stand by: 1 W

Weight:		106.9 lbs (48.5 kg)
Dimensions:		Width: 49-7/16 inches (1,255 mm)
		Height: 34-3/16 inches (869 mm)
		Depth: 16-3/16 inches (411 mm)

Inputs:	VIDEO:		1 V (p-p)/75 ohms
	AUDIO:		–8 dBm/50k ohms
	S-VIDEO:	Y:	1 V (p-p), 75 ohms
		C:	0.286 V (p-p), 75 ohms
	COMPONENT:	Y:	1 V (p-p), 75 ohms
		P_R:	0.7 V (p-p), 75 ohms
		P_B:	0.7 V (p-p), 75 ohms

Output:	VIDEO:	1 V (p-p)/75 ohms
	AUDIO:	–8 dBm/1k ohms

HDMI input:	HDMI compliant (type A connector)
	HDCP compliant
	E-EDID compliant
	Suggested scan rates: 1080i, 480p, 480i, 720p
	HDMI Audio: 2-channel PCM
	32/44.1/48 kHz sampling frequency
	16/20/24 bits per sample

PC Monitor input:	Mini-Dsub 15pin x 1

PDP:	49.95 inches (1268.7 mm diagonal)
	1366 x 768 pixel

Speaker:	Main: 2-3/16 inches (56 mm) x 5 inches (127 mm), 4 ohms x 2
	Tweeter: 2 inches (50.8 mm), 8 ohms x 2

Sound output power:	10 W + 10 W

ACCESSORIES:	Remote control
	Batteries (AA) x 2
	AC Cord

Designs and specifications are subject to change without notice.

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ELECTROHOME WARRANTY

Consumer Electronics Products and Home Appliances

Thank you for choosing ELECTROHOME!

RGC Redmond Group gives the following express warranty to the original consumer purchaser or gift recipient for this Electrohome brand product, when shipped in its original container and sold or distributed in Canada by RGC Redmond Group or by an Authorized Electrohome Dealer:

RGC Redmond Group warrants that this product is free, under normal use and maintenance, from any defects in material and workmanship. If any such defects should be found in this product within the applicable warranty period, RGC Redmond Group shall, at its option, repair or replace the product as specified herein. Replacement parts furnished in connection with this warranty shall be warranted for a period equal to the unexpired portion of the original equipment warranty.

This warranty shall not apply to:
- a. Any defects caused or repairs required as a result of abusive operation, negligence, accident, improper installation or inappropriate use as outlined in the owner's manual.
- b. Any Electrohome product tampered with, modified, adjusted or repaired by any party other than RGC Redmond Group or Electrohome's Authorized Service Centres.
- c. Damage caused or repairs required as a result of the use with items not specified or approved by RGC Redmond Group, including but not limited to head cleaning tapes and chemical cleaning agents.
- d. Any replacement of accessories, glassware, consumable or peripheral items required through normal use of the product including but not limited to earphones, remote controls, AC adapters, batteries, temperature probe, stylus, trays, filters, cables, paper, cabinet, cabinet parts, knobs, buttons, baskets, stands, shelves, cookware and cooking utensils.
- e. Any cosmetic damage to the surface or exterior that has been defaced or caused by normal wear and tear.
- f. Any damage caused by external or environmental conditions, including but not limited to transmission line/ power line voltage or liquid spillage.
- g. Any product received without appropriate model, serial number and CSA /cUL /cULus /cETL /cETLus markings.
- h. Any products used for rental or commercial purposes.
- i. Any installation, setup and/or programming charges.

Should this Electrohome product fail to operate during the warranty period, warranty service may be obtained upon delivery of the Electrohome product together with proof of purchase and a copy of this LIMITED WARRANTY statement to an Authorized Electrohome Service Centre. In-home warranty service may be provided at RGC Redmond Group's discretion on any Electrohome television with the screen size of 27" or larger. This warranty constitutes the entire express warranty granted by RGC Redmond Group and no other dealer, service centre or their agent or employee is authorized to extend, enlarge or transfer this warranty on behalf of RGC Redmond Group. To the extent the law permits, RGC Redmond Group disclaims any and all liability for direct or indirect damages or losses or for any incidental, special or consequential damages or loss of profits resulting from a defect in material or workmanship relating to the product, including damages for the loss of time or use of this Electrohome product or the loss of information. The purchaser will be responsible for any removal, reinstallation, transportation and insurance costs incurred. Correction of defects, in the manner and period of time described herein, constitute complete fulfillment of all obligations and responsibilities of Electrohome Electronics to the purchaser with respect to the product and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict liability or otherwise.

CARRY-IN PARTS & LABOUR WARRANTY PERIODS:
- Audio Products: 1 Year (Remote Control, if applicable – 90 Days)
- DVD Products: 1 Year (Remote Control – 90 Days)
- LCD & Plasma Display TV: 1 Year (Remote Control – 90 Days)
- Television Products: 1 Year (Remote Control – 90 Days)
- VCR Products: 1 Year (Remote Control – 90 Days, Video Heads – 6 Months)
- Home Appliances: 1 Year
  - ○ Microwave Magnetron parts only additional 6 Years
  - ○ Refrigerator / Freezer Compressor parts only, additional 4 years
- Heating / Cooling & Humidification Products: 1 Year (Remote Control – 90 Days)
  - ○ Compressor parts only (if applicable), additional 4 years

To obtain the name and address of the nearest Authorized Electrohome Service Centre or Dealer, please contact: RGC Redmond Group, 6185 McLaughlin Road, Mississauga, ON L5R 3W7.

For more information on this Warranty or Service Locations, please call (905)366-5100 or toll free 1-800-663-5954, Monday to Friday 9:00am – 5:00pm Eastern Standard Time.

04/2006

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Memo