

RCA





Plasma Monitor User's Guide

Changing Entertainment. Again.



PHD42600

Important Information

| | |
|---|---|
|  CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN  |  This symbol indicates important instructions accompanying the product. |
| 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. |  This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury. |

WARNING

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

The apparatus should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on the apparatus.

Refer to the identification/rating label located on the back panel of your product for its proper operating voltage.

FCC Regulations state that unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Caution: Using video games or any external accessory with fixed images for extended periods of time can cause them to be permanently imprinted on the picture tube (or projection TV picture tubes, or plasma panel). ALSO, some network/program logos, phone numbers, etc. may cause similar damage. This damage is not covered by your warranty.

Cable TV Installer: This reminder is provided to call your attention to Article 820-40 of the National Electrical Code (Section 54 of the Canadian Electrical Code, Part 1) which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

Product Registration

Please fill out the product registration card (packed separately) and return it immediately. For U.S. customers: Your RCA Consumer Electronics product may also be registered at www.rca.com/productregistration. Registering this product allows us to contact you if needed.

Product Information

Keep your sales receipt to obtain warranty parts and service and for proof of purchase. Attach it here and record the serial and model numbers. These numbers are located on the product.

Model No. _____ Serial No. _____ Purchase Date: _____

Dealer/Address/Phone: _____

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Chapter 1: Connections and Setup

Things to Consider Before You Connect

Protect Against Power Surges

- Connect all components before you plug any of their power cords into the wall outlet or power strip. NEVER plug your monitor into an outlet that is controlled by a wall switch.
- Turn off the monitor and/or component(s) before you connect or disconnect any cables.
- Make sure all antennas and cables are properly grounded. Refer to the Important Safeguards sheet packed with your monitor.

Protect Components from Overheating

- Don't block ventilation holes on any of the components. Arrange the components so that air can circulate freely.
- Don't stack components.
- When you place components in a stand, make sure you allow adequate ventilation.
- If you connect an audio receiver or amplifier, place it on the top shelf so the heated air from it won't flow around other components.

Important Stand and Base Safety Information

If a stand or base is used insure that it is of adequate size and strength to prevent the TV from being accidentally tipped over, pushed off, or pulled off. This could cause personal injury and/or damage the TV. Refer to the Important Safety Instructions packed separately.

Position Cables Properly to Avoid Audio Interference

- Insert each cable firmly into the designated jack.

Use Indirect Light

Don't place the monitor where sunlight or room lighting will be directed toward the screen. Use soft or indirect lighting.

Connection Illustrations

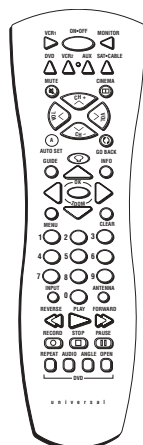
The components used in the connection illustrations are for representation only.

Receiving Channels

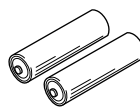
In order for your Plasma Monitor to display television programming, you must connect a component that can receive programming (e.g. satellite receiver, HD receiver, or cable box).

Check Supplied Parts

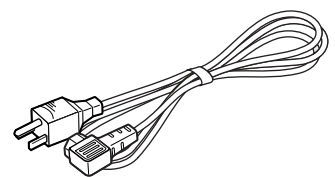
Check that the following parts were packed with your product.



Remote Control



2 AA batteries



Power cord

Installation of the Monitor

Installation using a stand or wall mount bracket

- Please be sure to request installation or mounting of this unit or the installation bracket by the dealer where purchased.
- When installing, be sure to use the bolts provided with the stand or installation bracket.
- For details concerning installation, please refer to the instruction manual provided with the stand or installation bracket.

Installation using accessories other than the stand or installation bracket (sold separately)

- When possible, please install using parts and accessories manufactured by Thomson. Thomson will not be held responsible for accident or damage caused by the use of parts and accessories manufactured by other companies.
- For custom installation, please consult the dealer where the unit was purchased.

Note for U.S. customers: If you prefer, we can provide you with the name of an Authorized Service Representative who will visit your home for a fee to install your electronic entertainment system and to instruct you in its operation. For details about this service, call 1-888-206-3359.

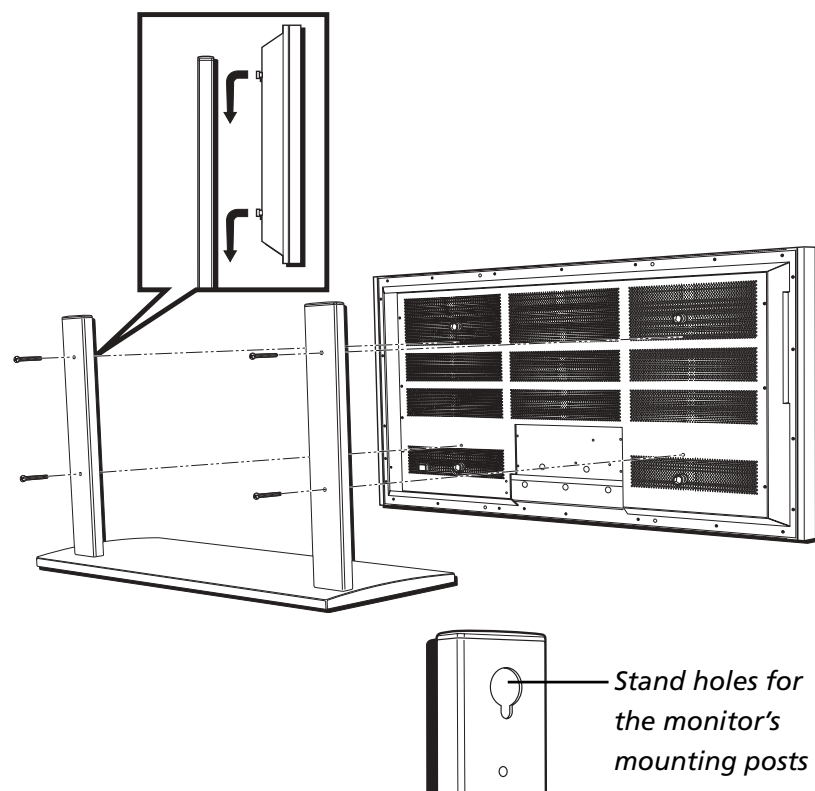
For additional assistance while using your RCA product, please visit www.rca.com/customersupport.

⚠ CAUTIONS

To avoid malfunction, overheating of this unit, and possible fire hazard, make sure that the vents on the main unit are not blocked when installing. Also, as hot air is expelled from the air vents, be careful of dust build up on rear surface wall, etc.

This monitor unit is very heavy and has little front-to-back depth, making it very unstable when stood on edge. The monitor should either be attached to the table stand or mounted on the wall. No other mounting method is recommended. As a result, two or more persons should cooperate when unpacking, moving, or installing the monitor.

This unit incorporates a thin design. To ensure safety if vibrated or shaken, please be sure to take measures to prevent the unit from tipping over.



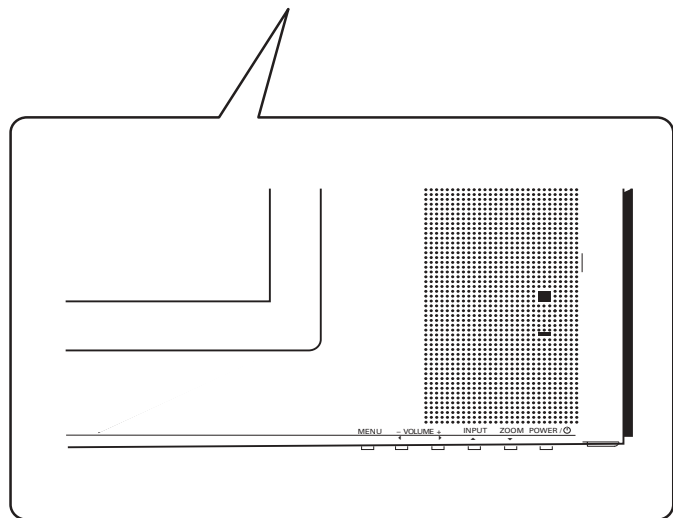
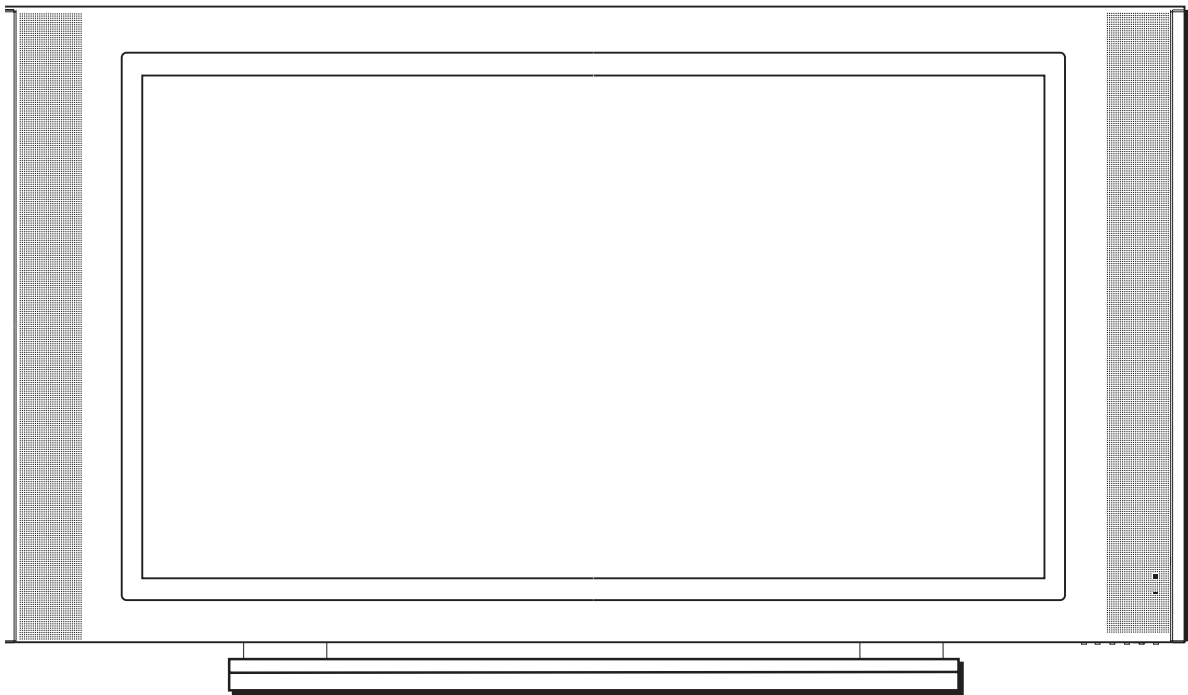
Mounting or Removing the Table Stand

To mount the monitor to the stand:

1. Lift the plasma monitor and insert the 4 mounting posts on the back of the unit into the mounting holes on the table stand.
2. Make sure all the posts are fully inserted, then let the monitor slide down into the smaller notches until the posts fit firmly into place.
3. Insert the screws into the holes on the back of the stand (as shown) and tighten them into place.

To remove the monitor from the stand:

Remove the screws, and follow the above steps in reverse order.



The Front of Your Monitor

If you can't locate your remote, you can use the front panel of your monitor to operate many of the monitor's features.

MENU Brings up the Main menu. When the menu system is displayed, pressing MENU selects highlighted items.

VOL ◀ Decreases the volume. In the menu system, it acts like the left arrow button on the remote (moves highlight left).

VOL ▶ Increases the volume. In the menu system, it acts like the right arrow button on the remote (moves highlight right).

INPUT ▲ Toggles through the available Video Input Channels. In the menu system, it acts like the up arrow button on the remote (moves highlight up).

ZOOM ▼ Toggles through the zoom modes. In the menu system, it acts like the down arrow button on the remote (moves highlight down).

POWER Turns the monitor on and off. The indicator next to the button lights when monitor is on.

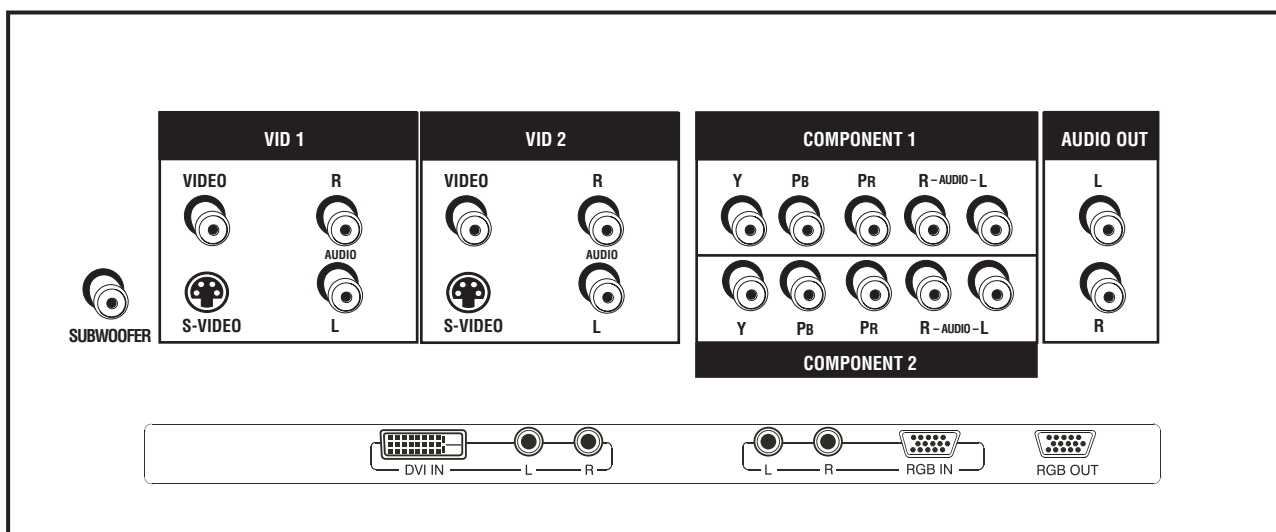
Connections and Setup

Explanation of Jacks

This section describes the jacks and cables you might use to make connections. There are several ways to connect components to your monitor.

Different jacks and cables provide a different level of performance. It's important to remember the different degrees of picture improvement for comparison. The component jacks (Y, Pb, Pr) are considered excellent; and S-Video and composite jacks are considered very good.

Note: The illustration below shows how your monitor's jacks are labeled and where they are located. The jacks might vary slightly depending on your model.



The jack panel is found on the back of the monitor at the bottom part of the raised area.

Back Panel

VID1 and VID2

- **S-VIDEO In** The S-Video (separate video) jack provides better picture quality than the regular video jacks because the color (chrominance, also called chroma) part of the signal is separated from the black and white (luminance) part of the picture.

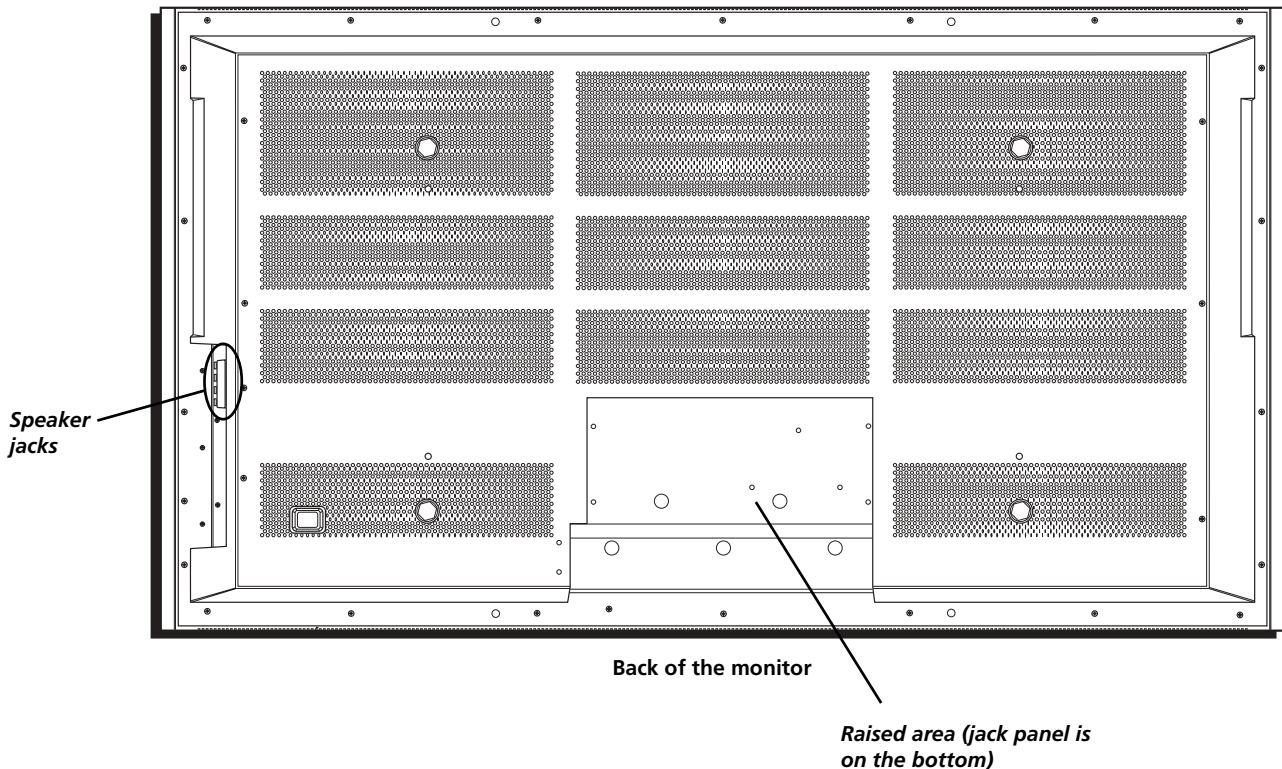
If a component you're connecting to your monitor (like a DVD player) has an S-VIDEO jack and composite video, connect the DVD player to the monitor with an S-Video cable (not provided) for better quality picture.

Note: Remember to connect the left and right audio cables to the Audio In jacks because the S-Video cable carries only the picture signal, not the sound.

- **AUDIO In L** Provides left audio connection. The left audio connector is usually white.
- **AUDIO In R** Provides right audio connection. The right audio connector is usually red.

Note: If your component has only one output for audio (mono), connect it to the left (white) audio jack on the monitor and don't connect the right (red) audio part of the cable.

- **VIDEO In** Provides composite video connection. The video connector is usually yellow.
- **SUBWOOFER** Provides a connection for your subwoofer for improved bass effects.



COMPONENT 1 / COMPONENT2

- **YPbPr** For connection of components that have component output jacks (Y, Pb, Pr) such as a personal computer, HD receiver, or DVD player.

The YPbPr jack provides excellent picture quality because the video is separated into three signals.

- **AUDIO In** Use to obtain sound when a component is connected to the COMPONENT 1 or 2 jacks.

AUDIO OUT

- **AUDIO OUT** Use to output the audio of the selected source component connected to this unit to an AV amplifier or similar component.

SPEAKERS

- For connection of external speakers.

DVI / RGB

- **DVI IN** For connection of components that have DVI output jacks, such as an HD receiver.
- **Audio In (L and R)** Use to obtain sound when a component is connected to the DVI IN jacks.
- **RGB IN / OUT** For connection of components that have RGB output or input jacks, such as a personal computer, HD receiver, or DVD player.
- **Audio In (L and R)** Use to obtain sound when a component is connected to the RGB IN jacks.

Connections and Setup

Choose Your Connection

There are several ways to connect your plasma monitor, depending on the components you want to connect and the quality of the signal you want to achieve. The following are general connection examples. Choose the connection which is best for you.

Note: *If you prefer, we can provide you with the name of an Authorized Service Representative who will visit your home for a fee to install your electronic entertainment system and to instruct you in its operation. For details about this service, call 1-888-206-3359. For additional assistance while using your RCA product, please visit www.rca.com/customersupport.*

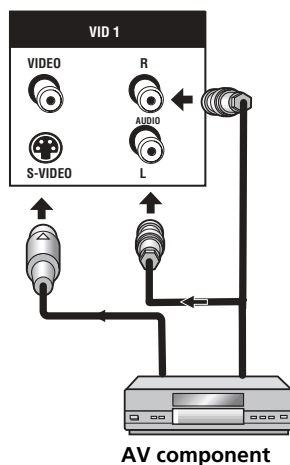
Connection to audio/video components

Using the VID1 and VID2 jacks

Connect a component, such as a VCR, DVD player or satellite receiver, to the monitor using the VID1 or VID2 jacks. Connect an S-Video cable to the S-VIDEO In jack and to the S-Video Out jack on the component. Then connect audio cables to the Audio In L and R jacks on the back of the monitor and to the Audio Output jacks on the component.

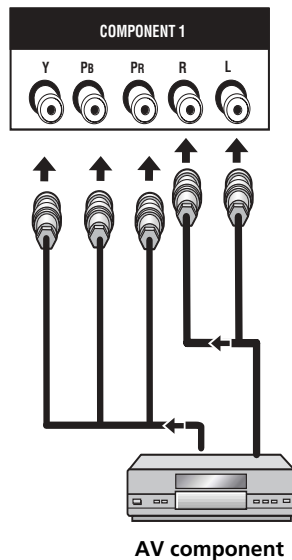
Notes:

- *If S-Video and composite video are connected at the same time, S-Video takes priority.*
- *If the component you are connecting only has a video jack, connect the component to the monitor's VID1 VIDEO jack using a standard video cable.*



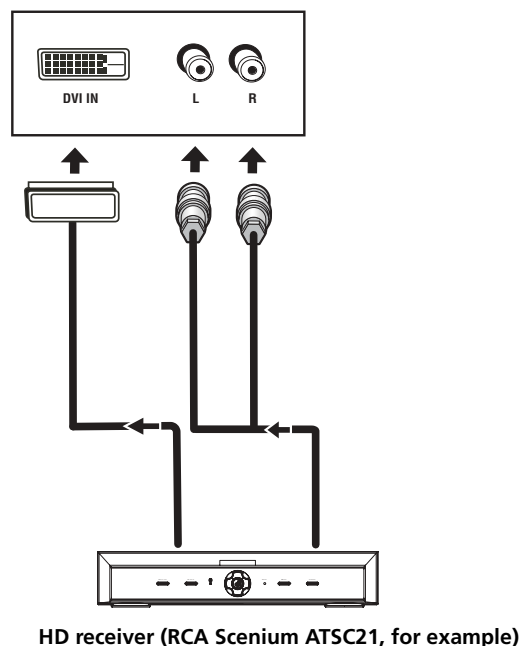
Using the Component Video jacks (Y, Pb, Pr)

Connect a component, such as a DVD player or digital cable box, to the monitor using the Y, Pb, Pr jacks. Connect a component video cable to the Y, Pb, Pr jacks on the back of the monitor and to the component video jacks (Y, Pb, Pr) on the component. Then connect the COMPONENT1 AUDIO In (L and R) jacks on the monitor to the Audio Out jacks on the back of the component using audio cables.



Using the DVI IN jack

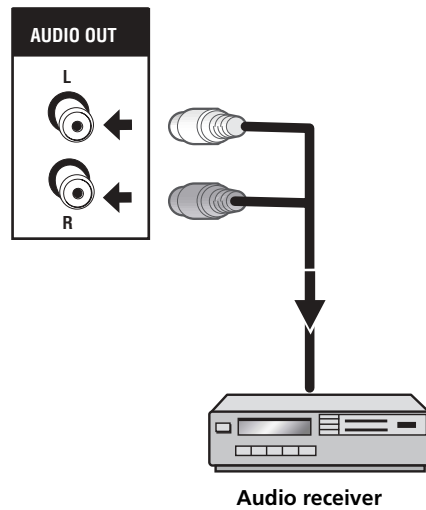
Connect a component using DVI, such as an HD receiver, using the DVI IN jack. Connect one end of the DVI cable (not supplied) to the DVI Out jack on the back on the component and the other end to the DVI IN jack on the back of the monitor. Then connect the Audio In jacks (L and R) next to the DVI IN jack on the monitor to the Audio Out jacks on the back of your component.



Connections and Setup

Using the AUDIO OUT jacks

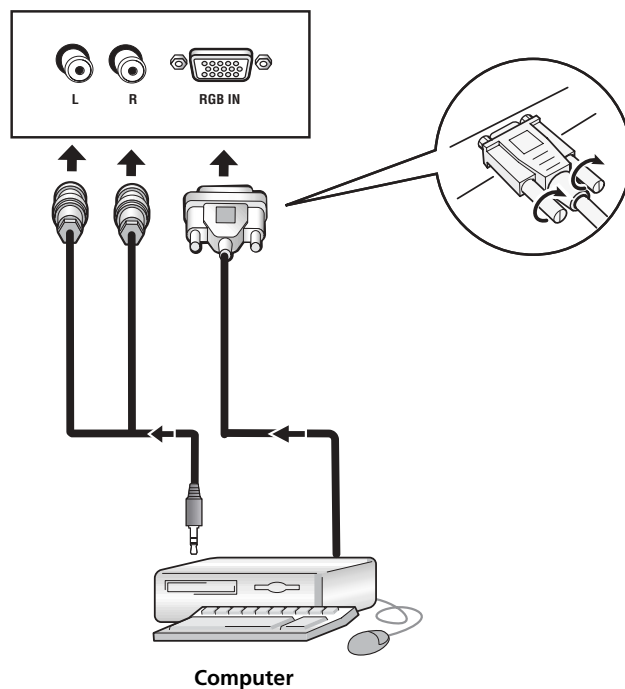
Connect your audio receiver to the monitor using the AUDIO OUT jacks. Connect the Audio OUT jacks (L and R) on the monitor to the Audio In jacks on the back of your receiver.



Connection to a personal computer

Using the RGB IN jack

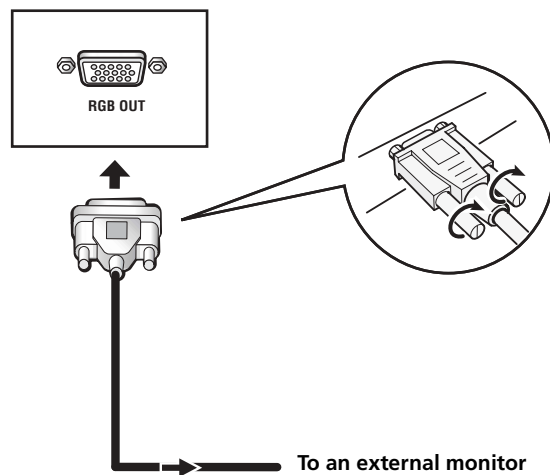
Connect your computer to the RGB IN jack. Connect one end of a 15-pin monitor cable to the computer and the other end to the RGB IN jack on the back of the monitor. For sound, you can connect the Audio In jacks (L and R) next to the RGB IN jack on the monitor to the Audio Out jack (usually a stereo headphone jack) on the back of your computer using a stereo mini to RCA plugs cable (not supplied).



Connection to an external monitor

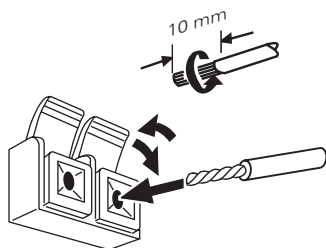
This monitor is able to output video signal to an external monitor or other component from the RGB OUT jack. Connect one end of a 15-pin monitor cable to the external monitor or component and the other end to the RGB OUT jack on the back of the monitor. Then connect the Audio OUT jacks (L and R) on the monitor to the Audio In jacks on the back of your external monitor.

Note: A video signal will not be output from the RGB OUT jack when the main power of this unit is off or in standby.



Connecting speakers

Before making connections, be sure to check that the audio component's power and the unit's main power is off. Speaker cords, 1 for each speaker, are needed for connection. Twist the stripped ends of speaker cord about 2/3 inch (15 mm). Press down on the tab to open the terminal and insert the wire. Let go to close the terminal.

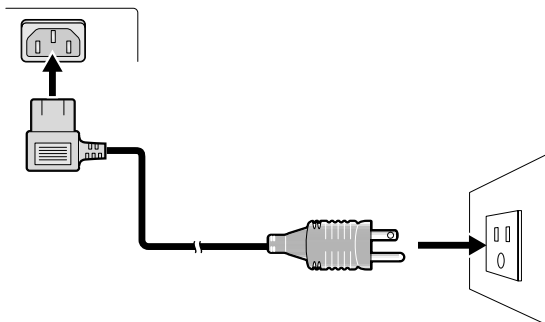


Twist exposed wire strands together.

Push tab to the open position, and insert the wire. Then, let go of the tab to secure the wire in place.

Note: When making speaker connections, be sure to match the polarities (+ and -) of the speaker terminals on this unit and the corresponding terminals on the speakers. If the polarity is reversed, the sound will be unnatural and lack bass.

Connections and Setup



Plug in the Monitor

Plug the flat end of the cable into the power jack on the back of the monitor. Then plug the end of the power cord into an appropriate wall outlet. Be sure to insert the plug completely. Do not plug into an outlet controlled by a light switch.

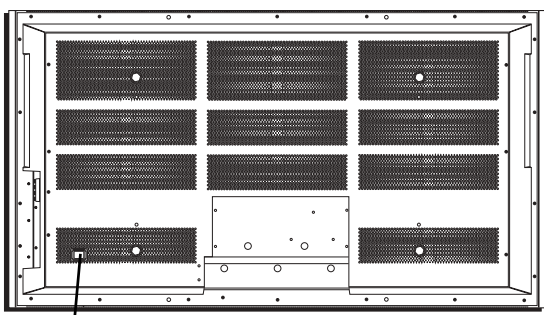
Put batteries in the remote

- Remove the battery compartment cover from the back of the remote by pushing down on and sliding off the cover.
- Insert 2 fresh “AA” batteries. Make sure the polarities (+ and -) are aligned correctly.
- Replace the cover.

Turn on the Monitor

1. Push in the main power button on the back of the monitor (located on the lower-left side).
2. Press MONITOR on the remote, or press POWER on the monitor’s front panel.

Note: Pressing the MONITOR button turns on the monitor and puts the remote into monitor mode. “Monitor mode” means that the buttons on the remote control operate the monitor’s functions.



The back of the monitor

Main power button

Set up Your Monitor

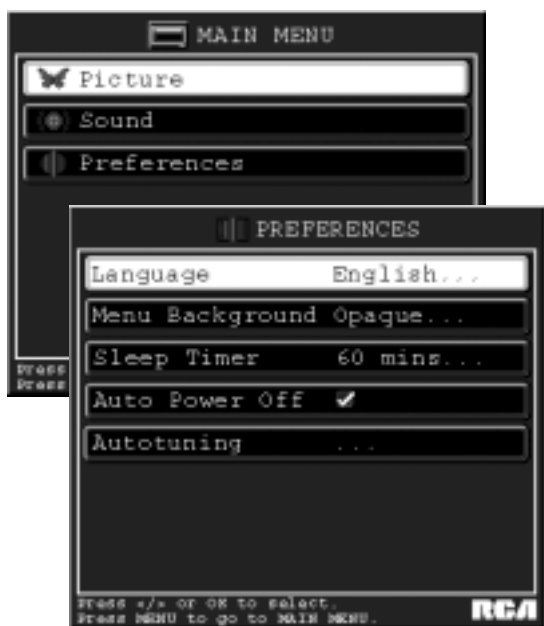
The first thing you need to do after turning on your plasma monitor is to tune it to the Video Input Channel which corresponds to how it is connected to the video source signal from the HD receiver, satellite receiver, or cable box. Make sure the remote is in the monitor mode by pressing the MONITOR button, then press the INPUT button repeatedly until the signal appears for the input you have connected.

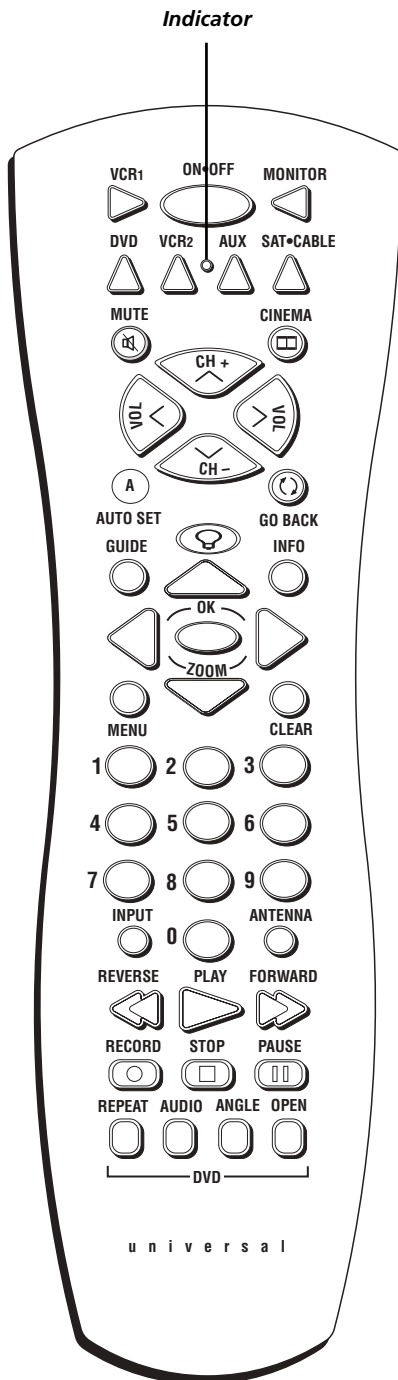
Remember, the monitor is dependent on an external source for programming (HD receiver, cable box, etc); it can’t receive channels on its own.

Choose the Menu Language

If want to change the language of the on-screen displays, follow the steps below. The default language is English.

1. Press the MENU button on the remote control (the MAIN MENU appears).
2. Press the down arrow button to highlight Preferences, then press OK (the Preferences menu appears with Language highlighted).
3. The default language is English. To select French or Spanish, press the right arrow button.





Note: This remote operates most RCA, GE, and Proscan products.

Tip

To turn off the RCA, GE, and Proscan components that are connected to the TV, press ON•OFF twice within two seconds.

This feature only works with most RCA, GE, and Proscan products.

Button Descriptions for Monitor Mode

In addition to operating your Plasma Monitor, the remote that came with it can operate your other components. However, this page only describes the buttons on the remote that you will use with your monitor.

For descriptions of remote control buttons to be used with your other components, go to the next page.

In alphabetical order

(0-9) Number buttons Access the Video Input Channels in the following order: 1– Vid1, 2–Vid2, 3–CMP1, 4–CMP2, 5–RGB, 6–DVI.

Arrow buttons Use the arrows to navigate through the menu screens and make adjustments. When no on-screen menus are displayed, use the left and right arrow buttons to toggle to the next and previous zoom modes.

AUTO SET Automatically reverts the picture preset settings to the ones you chose for the current selected video input.

Backlight (☾) Lights up some of the remote buttons in the dark.

CH +/- Tunes the monitor to the next or previous input. If the monitor is off, pressing one of these buttons turns on the monitor to the last used input.

CINEMA Changes the zoom mode to Cinerama no matter which zoom mode is selected.

CLEAR Clears on-screen displays and returns you to normal viewing.

GO BACK Changes the video input to the last one used.

INFO Brings up the status display.

INPUT Changes the Video Input Channel. Press the INPUT button repeatedly until the input channel for the component you have connected is displayed.

MENU Brings up the on-screen menu.

MONITOR Turns the monitor on and puts the remote in Monitor mode so the remote operates the monitor.

MUTE Reduces sound to an inaudible level.

OK/ZOOM When menus are on the screen, selects the highlighted choice. When there are no on-screen menus displayed, press OK/ZOOM to toggle the available zoom modes.

ON•OFF Turns the monitor off.

VOL< and > buttons Adjust the volume.

Using the Remote Control

Button Descriptions for Other Components

This remote operates most brands of other components (VCRs, DVD players, satellite receivers, etc). The following list (in alphabetical order) provides basic information about how these buttons will operate in these modes.

(0-9) Number buttons Enter channel numbers for a compatible component.

ANGLE Accesses various camera angles when using a compatible RCA, GE, or Proscan DVD player (if available on the DVD disc).

ANTENNA In VCR mode, functions as the TV/VCR button for compatible VCRs. In satellite receiver mode, functions as the TV/receiver button.

AUDIO In DVD mode, brings up the Audio language info display on a compatible RCA, GE, or Proscan DVD player.

AUX (auxiliary) You can program this button to control any one of the following: a cable box; audio components; a laserdisc player; a VCR; or a satellite receiver; a DVD player; or a DVD/VCR combo. Press this button to operate the component you've programmed to work with the AUX button.

CH+/CH- buttons Change channels on a compatible component. In DVD mode, changes next or previous chapters or tracks on a compatible RCA, GE, or Proscan DVD player.

DVD Turns on a compatible RCA, GE, or Proscan DVD player and sets the remote to control the DVD player. Also used with the ON•OFF button to turn on other compatible DVD players.

FORWARD Fast forwards a tape or searches forward on a DVD disc on a compatible VCR or DVD player.

GO BACK Returns you to the previous channel on a compatible component.

GUIDE Brings up the on-screen program guide on a compatible component.

ON•OFF Toggles power on and off for the components that you have programmed. For example, if you are in VCR mode, turns VCR on and off.

OPEN Opens and closes the DVD disc tray on a compatible DVD player.

PAUSE Pauses playback or recording on a compatible VCR. Pauses a DVD disc on a DVD player.

PLAY Plays a tape or DVD disc on a compatible VCR or DVD player.

RECORD Starts recording on a compatible VCR.

REPEAT Brings up the Repeat info display on a compatible RCA, GE, or Proscan DVD player. You can repeat part or all of a title, chapter, or track.

REVERSE Rewinds a tape or searches backward on a DVD disc on a compatible VCR or DVD player.

SAT•CABLE Turns on a compatible RCA, GE, or Proscan satellite receiver, puts the remote in satellite receiver or cable box mode, and can also be programmed to operate some compatible satellite receivers or cable boxes.

STOP Stops the current function (play, record, reverse, etc.) on a compatible VCR or DVD player.

VCR1 and VCR2 buttons Turn on a compatible RCA, GE, or Proscan VCR and set the remote to control the VCR. Also used with the ON•OFF button to turn on other compatible VCRs.

Using the INPUT Button

Use the INPUT button to scroll through the available video input channels and view components you have connected to the monitor.

1. Make sure the component you want to view is turned ON.
2. Press INPUT to tune to the video input channel that corresponds to the jack on the monitor you used to connect the component.
3. To return to the previous channel, continue pressing INPUT.

Programming the Remote to Operate Other Components

The universal remote can be programmed to operate most brands of remote controllable components. The remote is already programmed to operate most RCA, GE, and Proscan components.

Note: The MONITOR button can't be programmed on this remote.

Find Out If You Need to Program the Remote

To determine whether the universal remote needs to be programmed for your component, turn the component ON. For example, to program the remote for a VCR, turn on the VCR. Point the remote at the VCR, and press the VCR1 button. Then press ON•OFF or CH + (channel up) or CH – (channel down) to see if the VCR responds to the remote commands. If the component does not respond, the remote needs to be programmed.

Programming the Remote

There are two ways to program the remote control:

- automatic code search
- direct entry

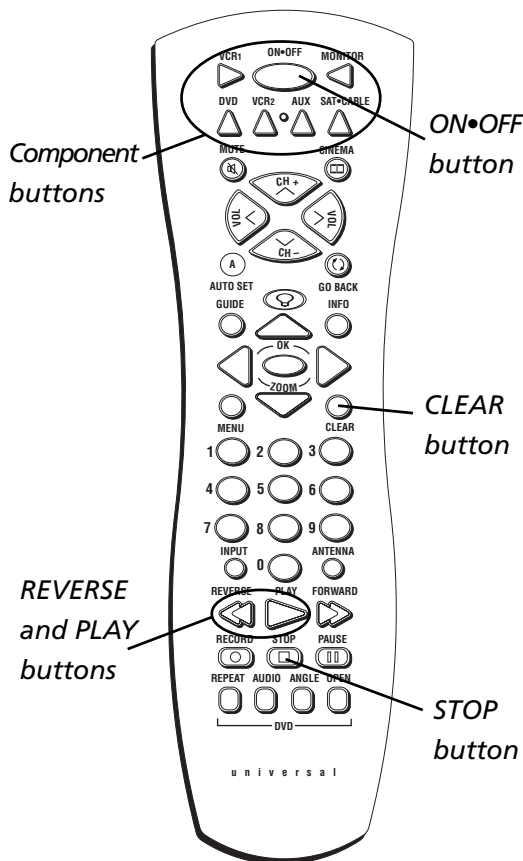
Using Automatic Code Search

The following instructions can be used to program the remote to operate each of your components. If you want to stop the automatic code search without programming any of your components, press CLEAR until the indicator on the remote turns off.

1. Turn on the component you want to operate (VCR, DVD player, etc.)
2. Press and hold the component button you want to program (VCR or DVD, etc.). While holding the component button, press and hold ON•OFF until the indicator on the remote turns on, then release both buttons.

Note: You can also use Automatic Code Search to program the AUX button for audio components.

3. Point the remote at the component. Press and release PLAY, then wait 5 seconds or until the indicator on the remote stops flashing.



You'll use these buttons when programming the remote.

Important: The remote may not be compatible with all models of all brands of components. It may also not operate all functions of the remote that came with your component.

continued on next page

Using the Remote Control

At this point the remote is searching for the correct code to program. If, after 5 seconds, the component you want to operate does not turn off, press PLAY again to tell the remote to search the next set of codes.

Continue pressing PLAY until the component turns off or you have searched through all of the codes. There are 20 total sets of codes. If the component does not turn off after pressing PLAY 20 times, then the remote can't be programmed to operate that component.

Note: To cancel Code Search, press CLEAR at any time.

If the component you want to operate *does* turn off:

1. Press and release REVERSE, then wait 2 seconds. Repeat this step until the device turns back ON.
2. To finish, press and hold STOP until the indicator on the remote turns off.

Using Direct Entry

1. Turn on the component to be programmed.
 2. Look up the brand and code number(s) for the component on the code list in this section.
 3. Press and hold the component button you want to program on the remote.
 4. Enter the code from the remote control code list on the following pages. If the indicator flashes, you have either entered an invalid code or the button isn't programmable.
 5. Release the component button.
 6. Point the remote at the component. Press ON•OFF to see if the component responds to the command. If it doesn't, try pressing the component button and then ON•OFF again.
- If you get no response, repeat these steps using the next code listed for your brand, until the component responds to the remote commands.
 - If you try all the codes for your component brand and none work, try the automatic code search method. If automatic code search doesn't find the code, the remote is not compatible with your component.

How to Use the Remote After You've Programmed It

Because this universal remote can operate several different components it uses operational modes triggered by the component buttons. For example, if you want the remote to operate the monitor, you would press the MONITOR button to put the remote into Monitor mode before you could operate the unit.

1. Press the appropriate component button (DVD, MONITOR, VCR1, etc.) to set the remote to operate the component.
2. Press ON•OFF to turn the component ON or OFF.
3. Use the remote buttons that apply to that component.

Notes:

- *The remote may not be compatible with all brands and models of components. It also may not operate all functions of the remote that came with your component.*
- *If you keep pressing buttons and nothing happens, the remote is probably in the wrong mode. You must press the component button that matches the component you want to operate (i.e., if you want to operate the VCR, press VCR1 on the remote control to put the remote in VCR mode.)*

Remote Control Codes

VCR

Programmable for VCR1, VCR2,
and AUX buttons.

| | | | | | |
|-----------------------|--|-----------------------------|---|-----------------------|--|
| Admiral | 2132 | JVC | 2009, 2010, 2011, 2018, 2111, 2123 | | 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2107, 2115, 2120, 2125, 2131, 2133 |
| Adventura | 2026 | Kenwood | 2009, 2010, 2011, 2016, 2018, 2111, 2123 | Ricoh | 2128 |
| Aiko | 2027 | KLH | 2061 | Runco | 2104 |
| Aiwa | 2026 | Kodak | 2014, 2021 | Samsung | 2005, 2013, 2015, 2033, 2053, 2112 |
| Akai | 2003, 2004, 2005, 2007, 2008, 2111, 2112, 2113 | Lloyd | 2026 | Sanky | 2104, 2132 |
| American High | 2021 | Logik | 2061 | Sansui | 2010, 2092, 2111, 2123 |
| Asha | 2013 | LXI | 2014 | Sanyo | 2011, 2013, 2023 |
| Audio Dynamics | 2009, 2010 | Magnavox | 2021, 2022, 2062, 2063, 2104, 2105, 2108, 2124 | Scott | 2012, 2015, 2025, 2032, 2038, 2065, 2093, 2116 |
| Audiovox | 2014 | Magnin | 2013 | Sears | 2011, 2014, 2021, 2023, 2048, 2049, 2050, 2051, 2055, 2056, 2107, 2118 |
| Beaumarck | 2013 | Marantz | 2009, 2010, 2011, 2016, 2018, 2021, 2062, 2064 | Sharp | 2017, 2029, 2094, 2095, 2096, 2097, 2132 |
| Bell & Howell | 2011 | Marta | 2014 | Shintom | 2004, 2056, 2061, 2098 |
| Broksonic | 2012, 2025 | Masushita | 2021 | Shogun | 2013 |
| Calix | 2014 | MEI | 2021 | Signature | 2132 |
| Candle | 2013, 2014, 2015, 2016, 2017, 2018, 2019 | Memorex | 2011, 2013, 2014, 2021, 2023, 2026, 2104, 2132 | Singer | 2021, 2061, 2128 |
| Canon | 2021, 2022, 2114 | MGA | 2029, 2065, 2113 | Sony | 2004, 2098, 2099, 2119 |
| Capehart | 2020, 2110 | MGN Technology | 2013 | STS | 2021, 2107 |
| Carver | 2062 | Midland | 2053 | Sylvania | 2021, 2022, 2026, 2062, 2063, 2065, 2124 |
| CCE | 2027, 2061 | Minolta | 2055, 2056, 2107 | Symphonic | 2026 |
| Citizen | 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2027 | Mitsubishi | 2029, 2055, 2056, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2106, 2113, 2123 | Tandy | 2011 |
| Colortyme | 2009 | Montgomery Ward | 2075, 2132 | Tashiko | 2014 |
| Colt | 2061 | Motorola | 2021, 2132 | Tatung | 2111 |
| Craig | 2013, 2014, 2023, 2061 | MTC | 2013, 2126 | Teac | 2026, 2085, 2111 |
| Curtis Mathes | 2000, 2009, 2013, 2016, 2018, 2021, 2022, 2024, 2115, 2131 | Multitech | 2013, 2016, 2026, 2053, 2061 | Technics | 2021, 2109 |
| Cybernex | 2013 | NEC | 2009, 2010, 2011, 2016, 2018, 2064, 2076, 2078, 2079, 2111, 2123 | Teknika | 2014, 2021, 2026, 2100, 2129 |
| Daewoo | 2015, 2017, 2019, 2025, 2026, 2027, 2028, 2110 | Nikko | 2014 | TMK | 2013, 2024, 2047 |
| Daytron | 2110 | Noblex | 2013 | Toshiba | 2015, 2049, 2051, 2055, 2065, 2093, 2116 |
| DBX | 2009, 2010 | Olympus | 2021 | Totevision | 2013, 2014 |
| Dimensia | 2000, 2131 | Optimus | 2014, 2132 | Unitech | 2013 |
| Dynatech | 2026 | Optonica | 2096 | Vector Research | 2009, 2010, 2015, 2016 |
| Electrohome | 2014, 2029 | Panasonic | 2021, 2022, 2109, 2125, 2126, 2127 | Victor | 2010 |
| Electroponic | 2014 | Pentax | 2016, 2055, 2056, 2107, 2120 | Video Concepts | 2009, 2010, 2015, 2016, 2113 |
| Emerson | 2012, 2014, 2015, 2021, 2024, 2025, 2026, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2044, 2045, 2046, 2047, 2065, 2113, 2116, 2117, 2130 | Pentax Research | 2018 | Videosonic | 2013 |
| Fisher | 2011, 2023, 2048, 2049, 2050, 2051, 2052, 2118 | Philco | 2021, 2022, 2062, 2063 | Wards | 2013, 2014, 2015, 2021, 2023, 2026, 2029, 2055, 2056, 2061, 2096, 2101, 2102, 2103, 2107, 2116, 2132 |
| Fuji | 2021, 2119 | Philips | 2021, 2062, 2096, 2124 | XR-1000 | 2021, 2026, 2061 |
| Funai | 2026 | Pilot | 2014 | Yamaha | 2009, 2010, 2011, 2018, 2111 |
| Funai | 2026 | Pioneer | 2010, 2055, 2080, 2081, 2123 | Zenith | 2004, 2098, 2104, 2119, 2128 |
| Garrard | 2026 | Portland | 2016, 2017, 2019, 2110 | | |
| GE | 2000 (VCR1), 2001 (VCR2), 2013, 2021, 2022, 2053, 2115, 2120, 2131 | Proscan | 2000 (VCR1), 2001 (VCR2), 2131 | | |
| Goldstar | 2009, 2014, 2018, 2054 | Protec | 2061 | | |
| Gradiente | 2026 | Pulsar | 2104 | | |
| Harley Davidson | 2026 | Quarter | 2011 | | |
| Harman Kardon | 2009 | Quartz | 2011 | | |
| Harwood | 2061 | Quasar | 2021, 2022, 2125 | | |
| Headquarter | 2011 | Radio Shack/Realistic | 2011, 2013, 2014, 2021, 2022, 2023, 2026, 2029, 2049, 2050, 2096, 2132 | | |
| Hi-Q | 2023 | Radix | 2014 | | |
| Hitachi | 2055, 2056, 2057, 2107, 2111, 2120, 2122 | Randex | 2014 | | |
| Instant Replay | 2021 | RCA | 2000 (VCR1), 2001 (VCR2), 2003, 2013, 2021, 2055, 2056, 2082, 2083, 2084, | | |
| JCPenney | 2009, 2010, 2011, 2013, 2014, 2021, 2022, 2055, 2056, 2058, 2059, 2060, 2107, 2118 | | | | |
| JCL | 2021 | | | | |
| Jensen | 2055, 2056, 2111 | | | | |

continued on next page

Using the Remote Control

Cable Box

Programmable for AUX or SAT•CABLE button.

| | |
|---------------------------|---|
| ABC | 5002, 5003, 5004, 5006, 5053 |
| Antronix | 5008, 5009 |
| Archer | 5008, 5009, 5010 |
| Cabletenna | 5008 |
| Cableview | 5008 |
| Colour Voice | 5012, 5013 |
| Comtronic | 5014 |
| Contec | 5016 |
| Eastern | 5017 |
| GC Electronics | 5009 |
| GE | 5000, 5001 |
| Gemini | 5018, 5019 |
| General Instrument | 5003 |
| Hamlin | 5020, 5021, 5022, 5028, 5035, 5045 |
| Hitachi | 5003 |
| Jerrold | 5003, 5018, 5023, 5024, 5046, 5053 |
| Magnavox | 5025 |
| Memorex | 5026 |
| Movie Time | 5027 |
| NEC | 5005 |
| NSC | 5027 |
| Oak | 5016, 5029 |
| Panasonic | 5048, 5052 |
| Philips | 5011, 5012, 5013, 5015, 5019, 5025, 5030, 5031, 5032 |
| Pioneer | 5033, 5034 |
| Proscan | 5000, 5001 |
| RCA | 5007, 5047, 5049, 5052 |
| Realistic | 5009 |
| Regal | 5022, 5035 |
| Regency | 5017 |
| Rembrandt | 5003 |
| Samsung | 5034 |
| Scientific Atlanta | 5006, 5036, 5037, 5038 |
| Signal | 5018 |
| Signature | 5003 |
| Sprucer | 5052 |
| Standard Components | 5039, 5044 |
| Starcom | 5018, 5053 |
| Stargate | 5018 |
| Starquest | 5018 |
| Tocom | 5004, 5023 |
| Tusa | 5018 |
| TV86 | 5027 |
| Unika | 5008, 5009 |
| United Cable | 5053 |
| Universal | 5008, 5009, 5010 |
| Viewstar | 5025, 5027 |
| Zenith | 5050, 5051 |

Satellite Receiver

Programmable for SAT•CABLE or AUX button.

| | |
|------------------|--------------------------|
| Alphastar | 5079 |
| Chapparral | 5056, 5057 |
| Dishnet | 5078 |
| Drake | 5058, 5059 |
| Echostar | 5089 |
| GE | 5000 (SAT1), 5001 (SAT2) |

| | |
|---------------------------|---|
| General Instruments | 5060, 5061, 5062 |
| Hitachi | 5083, 5084 |
| Hughes Network | 5077, 5090 |
| JVC | 5082 |
| Panasonic | 5075 |
| Philips | 5085 |
| Primestar | 5076 |
| Proscan | 5000 (SAT1), 5001 (SAT2) |
| RCA | 5000 (SAT1), 5001 (SAT2), 5071, 5080, 5081 |
| Realistic | 5063 |
| Sony | 5072 |
| STS1 | 5064 |
| STS2 | 5065 |
| STS3 | 5066 |
| STS4 | 5067 |
| Toshiba | 5068, 5073 |
| Uniden | 5069, 5086 |

DVD

Programmable for DVD or AUX button.

| | |
|-----------------------|---|
| Aiwa | 3009 |
| Apex | 3023, 3057 |
| Daewoo | 3024 |
| Emerson | 3025, 3026 |
| Funai | 3026 |
| GE | 3000, 3001, 3027, 3036, 3038, 3049 (Portable), 3055 |
| Go Video | 3054 |
| Hitachi | 3008, 3058 |
| JVC | 3002, 3010, 3031, 3051 |
| Kenwood | 3059 |
| Konka | 3011, 3012 |
| Magnavox | 3003, 3028 |
| Memorex | 3029 |
| Mintek | 3030 |
| Mitsubishi 3004 | |
| NAD | 3025 |
| Onkyo | 3032 |
| Oritron | 3037 |
| Panasonic | 3013, 3033 |
| Philips | 3003, 3019, 3021, 3022 |
| Pioneer | 3005, 3034, 3035 |
| Proscan | 3000, 3001, 3027, 3036, 3038, 3049 (Portable), 3055 |
| Qwestar | 3037 |
| RCA | 3000, 3001, 3027, 3036, 3038, 3049 (Portable), 3055 |
| Samsung | 3056, 3060, 3061, 3062 |
| Sansui | 3044 |
| Sanyo | 3014, 3052 |
| Sharp | 3039, 3041, 3050 |
| Sony | 3006, 3015, 3016, 3040, 3042, 3043 |
| Sylvania | 3026 |
| Toshiba | 3007, 3017, 3020, 3045, 3046, 3047 |
| Zenith | 3018, 3048, 3053 |

DVD/VCR Combo

Programmable for DVD or AUX button for DVD; VCR1, VCR2, or AUX button for VCR.

| | |
|----------------|------------------------|
| Go Video | (DVD) 3054, (VCR) 2134 |
| JVC | (DVD) 3051, (VCR) 2135 |
| RCA | (DVD) 3055, (VCR) 2136 |
| Samsung | (DVD) 3056, (VCR) 2137 |
| Sanyo | (DVD) 3052, (VCR) 2138 |
| Zenith | (DVD) 3053, (VCR) 2139 |

LaserDisc

Programmable for VCR1, VCR2, and AUX buttons.

| | |
|-----------|------|
| RCA | 2133 |
|-----------|------|

Audio

Programmable for AUX button only.

| | |
|------------------|------|
| RCA and Dimensia | |
| AM/FM | 4003 |
| Aux | 4004 |
| Phono | 4005 |
| CD | 4007 |
| Tape | 4006 |

Receivers

| | |
|---------------------|---|
| Aiwa | 4261, 4262, 4263, 4264, 4265, 4266, 4267, 4277 |
| Denon | 4283 |
| Harman Kardon | 4276 |
| JBL | 4276 |
| JVC | 4268 |
| Kenwood | 4269 |
| Onkyo | 4278 |
| Optimus | 4284 |
| Panasonic | 4279, 4280 |
| Pioneer | 4275 |
| RCA | 4270 |
| Sherwood | 4282 |
| Sony | 4271, 4272, 4281 |
| Technics | 4279, 4380 |
| Wards | 4275 |
| Yamaha | 4273, 4274, 4275 |



About the Status Display

The Status Display appears when you press the MONITOR or INFO button on the remote. The following list describes the items on the Status Display. Other displays that are not described here are self-explanatory.

The icons change appearance to show the item's status or availability.

DVI, CMP1, VID1, etc. The current video input selected.

16:9, 4:3, etc. The current zoom mode.

720P, 480i, 1080i, etc. The current signal resolution.

Mute Icon The sound is muted.

Sleep Timer 00:30 The amount of time remaining before the monitor turns off if you have set the sleep timer.

Why You Should Use the Autotuning Feature

The autotuning feature tunes the monitor to the correct Video Input Channel for different components you have connected to your monitor (like a VCR, DVD Player, etc.). The Video Input Channel corresponds to the input jacks you used to connect a component to the monitor. When you set up autotuning in the menu system you don't have to remember to change your monitor to VID1, for example, when you want to watch the tape in your VCR.



How to Set Up the Autotuning Feature

The way you set up the autotuning feature in the monitor's menu corresponds to the component buttons on the remote and the way you have each component connected to your monitor. When you set up auto tuning, you're telling the monitor which Video Input Channel to tune to when you press the VCR or DVD button on the remote control.

1. Press MENU (the *MAIN MENU* appears).
2. Highlight *Preferences* and press OK (the *PREFERENCES* menu appears).
3. Highlight *Autotuning* and press OK (the *AUTOTUNING* menu appears).

4. Choose which channel you want to set:

Set VCR1 input Sets the Video Input Channel the monitor tunes to when you press the VCR1 button.

Set VCR2 input Sets the Video Input Channel the monitor tunes to when you press the VCR2 button.

Set DVD input Sets the Video Input Channel the monitor tunes to when you press the DVD button.

Set SAT-CAB input Sets the Video Input Channel the monitor tunes to when you press the SAT•CABLE button.

5. Press the right arrow button to select the choice that matches the way you have the component connected to this monitor. The choices and a brief explanation follow:

N/A Choose this if you don't have this particular component connected to the monitor, or if you don't want the monitor to automatically tune to the correct input when you're using this component.

Using the Monitor's Features

VID1 Component is connected to the VID1 VIDEO In or S-VIDEO In jack.

VID2 Component is connected to the VID2 VIDEO In or S-VIDEO In jack.

CMP1 Component is connected to the COMPONENT 1 jacks (YPbPr).

CMP2 Component is connected to the COMPONENT 2 jacks (YPbPr).

RGB Component is connected to the RGB IN jacks.

DVI Component is connected to the DVI IN jack.

Zoom Modes

Many DVD titles are “anamorphic” (widescreen). There are two predominant “anamorphic” (widescreen) aspect ratios: 2.35:1 and 1.85:1. When 2.35:1 is displayed on this 16:9 widescreen monitor, there will be small black bars on the top and bottom of the screen. When a 1.85:1 content is displayed, the black bars on the top and bottom will be slimmer than those of 2.35:1.

This plasma monitor is capable of displaying a widescreen image on its native 16:9 aspect ratio. However, not all available broadcast or video contents fit perfectly on widescreen (16:9) format, resulting in unused screen space. Use the following guidelines to determine the most suitable widescreen viewing mode.

4:3 — 4:3 image is centered on the display, black bars are added to the extra space on the left and right

16:9 — 4:3 image is proportionally stretched to fill the entire screen.

Zoom 14:9 — Stretch 1.85:1 content to full screen, eliminating black bars on the sides.

Zoom 16:9 — Stretch 2.35:1 content to full screen, eliminating the black bars on the sides.

Zoom 16:9 Subtitle — Stretches and shifts the image up to facilitate display of subtitles.

Cinerama — 4:3 image is expanded in the horizontal and vertical directions. The center of the picture is almost normal while the edges are expanded.

Notes: When using the RGB and DVI inputs, the only available zoom options are 16:9 and 4:3. Cinerama is not available when using component video (Y Pb Pr).

Remote Control Buttons for Zoom Modes

The Zoom modes can be accessed a couple of different ways: through the menu system or through buttons on the remote. This section focuses on the remote control methods, but for information on how to access the zoom options through the menu system, go to pages 24-25.

Arrow buttons

When there are no on-screen menus displayed, use the left and right arrow buttons to toggle the next and previous zoom modes.

OK/ZOOM button

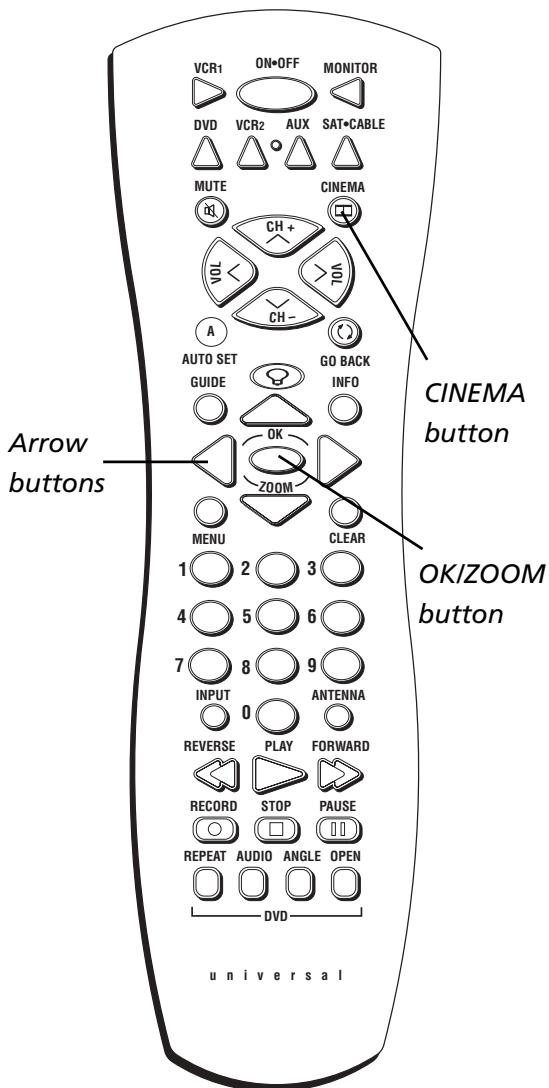
When there are no on-screen menus displayed, press OK/ZOOM to toggle the next and previous zoom modes.

CINEMA button

No matter what zoom mode is selected, pressing CINEMA changes the zoom mode to Cinerama.

Auto Set

You can have the monitor automatically revert the picture preset settings to the ones you chose for this input by pressing the AUTO SET button.



Chapter 4: Using the Menu System

Menus, On-screen Help and Control Panels

This section explores menus of your monitor beginning with some information on using menus and control panels. Each menu is outlined and detailed to help you get the most from your monitor.



The first menu you see when you press the MENU button on the remote is called the *MAIN MENU*.

1. Press the MENU button (the *MAIN MENU* appears).
2. Use the arrow buttons (left, right, up, down) to move through the menu items.
3. Press the OK button or right arrow button to select a highlighted item in the menu.

Note: The Picture, Sound, and Preferences menus are available and can be customized for each input. If an option within a menu isn't available for an input it will be noted.

Exiting a menu

There are two ways to exit a menu:

- Press MENU until on-screen menus disappear.
- Press CLEAR. The on-screen displays are cleared from the screen and you return to monitor viewing.

Controls

Controls let you adjust the default settings of your monitor. You can choose a setting or adjust a level such as tint or brightness. There are four types of controls: sliders, choice lists (check boxes, icon selections), numeric choices, and choice fields.



Sliders

Sliders are used to select a specific point of a control that has continuous levels. To make adjustments:

1. Press the up or down arrow button to select the slider control for the feature you want to adjust.
2. Press the left or right arrow button to adjust the indicator on the slider.



Check Box List

Choice Lists

Check boxes are used to select options from a list of choices. Check boxes allow you to turn on or off an option.

Press the left or right arrow button or press OK to turn on or off an option.



Numeric Choices

Numeric choices are used to toggle values. The arrow buttons on the remote or the OK button can be used to make adjustments.



Choice Fields

A choice field cycles through two or more choices. Press the left or right arrow button or OK to select the next entry in the choice field.



Picture Menu

The *Picture* menu options apply to the video for the main monitor and video input selections. The *Picture* menu displays five slider controls for adjusting the way the picture looks.

Note: Some menu items and options may not appear depending on the input the monitor is tuned to and the incoming resolution (for example, 480i, 720p, or 1080i).

To access the Picture menu:

1. Press MENU on the remote control (the *MAIN MENU* appears).
2. *Picture* is already highlighted, so just press OK (the *PICTURE* menu appears).

Pict. Preset Allows you to adjust the picture settings depending on the lighting in your home. You can choose from *Vibrant* (bright lighting), *Natural* (normal lighting), *Standard* (soft lighting), and *Personal*. *Personal* lets you adjust the settings to your personal preference and can save them as a default. Different settings can be saved for each input.

Brightness Adjusts the brightness of the picture.

Contrast Adjusts the difference between the light and dark areas of the picture.

Saturation Adjusts the richness of color.

Tint Adjusts the balance between the red and green levels.

Sharpness Adjusts the crispness of the edges in the picture.

Adv. Settings Allows you to set more advanced picture settings. This menu is described in detail on page 25.

Reset Resets all picture settings to their original factory settings. Highlight *Reset* and press OK for 5 seconds to reset picture settings.

Using the Menu System



The **PICTURE** menu when DVI or RGB video signal is being used.

Tip

You can also change the Zoom modes using ZOOM, CINEMA, and the arrow buttons.

Picture Menu (when using DVI or RGB inputs)

Pict. Preset Allows you to adjust the picture settings depending on the lighting in your home. You can choose from *Vibrant* (bright lighting), *Natural* (normal lighting), *Standard* (soft lighting), and *Personal*. *Personal* lets you adjust the settings to your personal preference and save them as a default. Different settings can be saved for each input.

Brightness Adjusts the brightness of the picture.

Contrast Adjusts the difference between the light and dark areas of the picture.

Color Warmth Automatically adjusts the color temperature of the picture. Press the right arrow to scroll through the color adjustments: *Cool* for a more blue palette of picture colors; *Normal*; and *Warm* for a more red palette of picture colors. The *6500D* setting is used by technicians and is not recommended for normal use.

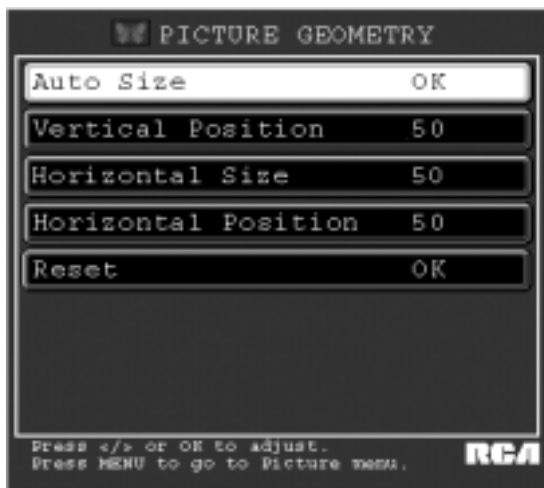
High Contrast Adjusts the amount of light the picture emits for the darkest areas of an image. Press OK to check the box.

Zoom Mode Allows you to zoom the picture ratio using these options: 4:3 and 16:9.

Note: When using the RGB and DVI inputs, the only available zoom options are 16:9 and 4:3.

Pict. Geometry Allows you to set the picture geometry when using DVI or RGB inputs. This menu is described in detail below.

Reset Resets all picture settings to their original factory settings. Highlight *Reset* and press OK for 5 seconds to reset picture settings.



Picture Geometry

Near the bottom of the **PICTURE** menu for RGB or DVI inputs is the **Pict. Geometry** menu choice, which allows you to adjust more specific settings, such as horizontal and vertical size and position.

Auto Size Automatically adjusts the picture to fit the screen for the chosen input.

Vertical Position Adjusts the picture's position upward or downward.

Horizontal Size Adjusts the horizontal size of the picture.

Horizontal Position Adjusts the picture's position left or right.

Reset Resets all picture settings to their original factory settings. Highlight *Reset* and press OK for 5 seconds to reset picture settings.

Using the Menu System



The **ADVANCED SETTINGS** menu when standard video signal is being used.

Tip

You can also change the Zoom modes using ZOOM, CINEMA, and the arrow buttons.

Advanced Settings

Near the bottom of the *PICTURE* menu is the *Adv. Settings* menu choice, which allows you to adjust more specific settings, such as color warmth, high contrast, and the comb filter.

Note: Some menu items and options may not appear depending on the input the monitor is tuned to and the incoming resolution (for example, 480i, 720p, or 1080i).

Color Warmth Automatically adjusts the color temperature of the picture. Press the right arrow to scroll through the color adjustments: *Cool* for a more blue palette of picture colors; *Normal*; and *Warm* for a more red palette of picture colors. The *6500D* setting is used by technicians and is not recommended for normal use.

High Contrast Adjusts the amount of light the picture emits for the darkest areas of an image. Press OK to check the box.

Comb Filter Separates the chrominance from the luminance to produce a more accurate color. If a component is connected to the monitor using the composite video or S-Video and the picture lacks detail, press OK to check the box.

Noise Reduction Reduces the picture “static” or any type of interference. Press OK to check the box.

Film Mode Detects and converts film content for better display with minimal artifacts. If you’re watching a movie, press OK to check the box.

Zoom Mode Allows you to zoom the picture ratio using these options: 4:3, 16:9, Zoom 16:9, Zoom 16:9 Subtitles, Zoom 14:9, and Cinerama.

Notes: When using the RGB and DVI inputs, the only available zoom options are 16:9 and 4:3.

Cinerama is not available when using component video (Y Pb Pr).

Reset Resets all picture settings to their original factory settings. Highlight *Reset* and press OK for 5 seconds to reset picture settings.



The **ADVANCED SETTINGS** menu when a 2H component video signal is being used.

Advanced Settings (when using CMP1 or CMP2 inputs and the signal source is 2H)

Color Warmth Automatically adjusts the color temperature of the picture. Press the right arrow to scroll through the color adjustments: *Cool* for a more blue palette of picture colors; *Normal*; and *Warm* for a more red palette of picture colors.

High Contrast Adjusts the amount of light the picture emits for the darkest areas of an image. Press OK to check the box.

Auto Size Automatically adjusts the picture to fit the screen for the chosen input.

Vertical Position Adjusts the picture’s position upward or downward.

Horizontal Size Adjusts the horizontal size of the picture.

Horizontal Position Adjusts the picture’s position left or right.

Zoom Mode Allows you to zoom the picture ratio using these options: 4:3, 16:9, Zoom 16:9, Zoom 16:9 Subtitles, Zoom 14:9, and Cinerama.

Note: *Cinerama* is not available when using component video (Y Pb Pr).

Reset Resets all picture settings to their original factory settings. Highlight *Reset* and press OK for 5 seconds to reset picture settings.

Using the Menu System



Sound Menu

The *Sound* menu lets you adjust audio output. To access the *Sound* menu, press MENU on the remote, and then select *Sound* from the main menu.

Volume Increases or decreases the volume coming from the monitor's speakers.

Treble Increases or decreases the treble.

Bass Increases or decreases the bass.

Balance Press the right arrow button to increase the audio output in the right speaker; press the left arrow button to increase the audio output in the left speaker.

Sound Type Press the right arrow button to scroll through the available audio types, which control the way the sound comes through your speakers: *Mono* and *Stereo*.

Mono plays the sound in mono only. Use this setting when receiving broadcasts with weak stereo signals.

Use *Stereo* to split the incoming stereo audio signal into left and right channels. Most monitor programs and recorded materials have stereo audio.

Mute Press the right arrow button to turn on or off the volume to the monitor speakers.

Speakers Press the right arrow button toggle between *Internal* and *External* speakers.



Preferences Menu

Language Select your preferred language for the menus.

Menu Background Select the appearance of menu background: *Opaque* for a solid background; *Translucent* for a see-through background.

Sleep Timer Lets you set the monitor to turn off after a given time. Press the right arrow button to add 30 minutes to the clock (up to 2 hours).

Auto Power Off Allows the unit to automatically switch to power-saving mode when no sync signal is detected. After 8 minutes, the unit turns off. Press OK to check the box.

Autotuning Automatically tunes the monitor to the correct channel for different components you have connected to your monitor (like a VCR, DVD Player, etc.) Autotuning is described in Chapter 3.

Clock Phase Allows you to fine tune the monitor to perfectly synchronize the video's signal source. This is especially useful in reducing picture flickering.

Troubleshooting

Most problems you encounter with your monitor can be corrected by consulting the following troubleshooting list.

Note: If you prefer, we can provide you with the name of an Authorized Service Representative who will visit your home for a fee to install your electronic entertainment system and to instruct you in its operation. For details about this service, call 1-888-206-3359. For additional assistance while using your RCA product, please visit www.rca.com/customersupport.

Monitor Problems

Monitor won't turn on

- Press the MONITOR button.
- Make sure the monitor is plugged in.
- Check the wall receptacle (or extension cord) to make sure it is "live" by plugging in something else.
- Something might be wrong with your remote control. Press the POWER button on the front of the monitor. If the monitor turns on, check the remote control solutions on page 28.
- Maybe batteries in remote are weak, dead, or installed incorrectly. Put new batteries in the remote. (Note, if you remove the batteries, you may have to reprogram the remote to operate other components.)

Buttons don't work

- If you're using the remote control, press the MONITOR button first to make sure the remote is in monitor mode.
- Unplug the monitor for two minutes and then plug it back in. Turn the unit on and try again.

Monitor turns off unexpectedly

- Sleep timer might have been activated. Go to page 26 for instructions.
- Electronic protection circuit may have been activated because of a power surge. Wait 30 seconds and then turn on again. If this happens frequently, the voltage in your house may be abnormally high or low.
- Unplug monitor. Wait five minutes. Plug it in again.
- Auto Power Off may be turned on. Go to page 26.

Blank screen

- Make sure the component connected to the MONITOR is turned on.
- Try another channel.

No sound, picture okay

- Maybe the sound is muted. Try pressing the volume up button to restore sound.
- If using S-Video or Y, Pb, Pr, remember to also connect the component's left and right audio output jacks to the monitor's AUDIO IN jacks.
- Make sure the *Volume* option in the *Sound* menu is turned up.

Noisy stereo reception

- May be a weak station. Access the *SOUND* menu, highlight *Sound Type* and then choose *Mono*.

No picture, no sound but TV is on

- The monitor may be on the wrong Video Input Channel. Press INPUT repeatedly to toggle through the available video inputs.

Other Information

Sound okay, picture poor

- Try adjusting sharpness function to improve weak signals. Go to page 23 for more instructions.

Picture is flickering

- Try adjusting the clock phase function to reduce flickering. Go to page 26 for more instructions.

The Remote Control Doesn't Work

- Maybe batteries in remote are weak, dead, or installed incorrectly. Put new batteries in the remote. (Note, if you remove the batteries, you may have to reprogram the remote to operate other components.)
- Something might be between the remote and the remote sensor on the component. Make sure there is a clear path.
- Maybe the remote isn't aimed directly at the component (DVD, Monitor, VCR) that you're trying to operate.
- Maybe remote is not in monitor Mode. Press the MONITOR button so remote will control the monitor.
- You might need to reset the remote: remove batteries and press the number 1 button for at least 60 seconds. Release the 1 button, replace the batteries, and (if necessary) program the remote again.

Care and Cleaning

CAUTION: Turn OFF your monitor before cleaning.

You can clean the unit as required, using a soft lint-free cloth. Be sure to occasionally dust the ventilation slots in the cabinet to help assure adequate ventilation.

The monitor's screen may be cleaned with a soft, lint-free cloth as well. Take care not to scratch or mar the screen. If necessary, you may use a cloth dampened with warm water. Never use strong cleaning agents, such as ammonia-based cleaners, or abrasive powder. These types of cleaners will damage the monitor.

While cleaning do not spray liquid directly on the screen, or allow liquid to run down the screen and inside the unit. Also, never place drinks or vases with water on top of the unit. This could increase the risk of fire or shock hazard or damage to the product.

Caution: Using video games or any external accessory with fixed images for extended periods

Specifications

Display panel

| | |
|--------------|--|
| Screen size | Diagonal 42 inch |
| Aspect ratio | 16:9 wide |
| Resolution | 1024(Horizontal, RGB Trio) x 1024(Vertical)pixels |
| Pixel pitch | 0.9mm x 0.51mm |
| Luminance | 1000cd/m2, (at 1% white window pattern) |

Power Source

| | |
|-------------------|--|
| Input voltage | 100 ~ 240 Vac , 50 / 60 Hz |
| Input current | 3.5A |
| Inrush current | 60 A p-p/20ms Max. |
| Power consumption | 380±10% Watts (at 110Vac/color bar pattern) |
| Stand-by & DPMS | 6 Watts Max. (at 110Vac) |

Connection

| | |
|-----------------|--|
| Connector Type: | RCA Jack for audio, video and Y/PB/PR 4 pin Din S-terminal 9 pin D-SUB 15 pin D-SUB 24 pin DVI |
|-----------------|--|

Video/S-Video Signal

| | |
|-----------------|---|
| Amplitude | Video 1Vp-p, S-Video Y=1Vp-p C=0.286Vp-p |
| Frequency | H: 15.734KHz V: 60Hz(NTSC) H: 15.625KHz V: 50Hz(PAL) |
| Input impedance | 75 ohms |

Y/PB/PR Signal

| | |
|---------------|---|
| Amplitude | Y: 1Vp-p (with sync) PB: 0.7±0.1Vp-p PR: 0.7±0.1Vp-p |
| Frequency | |
| Y/PB/PR: HDTV | H: 31KHz V: 60Hz (480P) H: 45KHz V: 60Hz (720P) H: 33KHz V: 60Hz(1080I) |

RGB Signal

| | |
|-----------|--|
| Amplitude | RGB: 0.7Vp-p |
| Frequency | H: support to 31K~91KHz V: support to 50~85Hz |

DVI Signal

| | |
|-----------|--|
| Frequency | H: support to 31K~63KHz V: support to 50~85Hz |
|-----------|--|

Audio Signal

Analog 500mV rms /more than 22Kohm

Other Information

Pin Assignments For D-SUB Connector (In / Loop Out)

| Pin | Signal Assignment | Pin | Signal Assignment | Pin | Signal Assignment |
|-----|-------------------|-----|-------------------|-----|-------------------|
| 1 | RED | 6 | RED GND | 11 | GND |
| 2 | GREEN | 7 | GREEN GND | 12 | SDA |
| 3 | BLUE | 8 | BLUE GND | 13 | H-SYNC |
| 4 | GND | 9 | NC | 14 | V-SYNC |
| 5 | GND | 10 | GND | 15 | SCL |

Pin Assignments For 24 Pin DVI Connector(Digital Only)

| Pin | Signal Assignment | Pin | Signal Assignment | Pin | Signal Assignment |
|-----|----------------------|-----|----------------------|-----|----------------------|
| 1 | TMDS Data 2- | 9 | TMDS Data 1- | 17 | TMDS Data 0- |
| 2 | TMDS Data 2+ | 10 | TMDS Data 1+ | 18 | TMDS Data 0+ |
| 3 | TMDS Data 2/4 Shield | 11 | TMDS Data 1/3 Shield | 19 | TMDS Data 0/5 Shield |
| 4 | TMDS Data 4- | 12 | TMDS Data 3- | 20 | TMDS Data 5- |
| 5 | TMDS Data 4+ | 13 | TMDS Data 3+ | 21 | TMDS Data 5+ |
| 6 | DDC Clock | 14 | +5V Power | 22 | TMDS Clock Shield |
| 7 | DDC Data | 15 | Ground (For +5V) | 23 | TMDS Clock + |
| 8 | No Connect | 16 | Hot Plug Detect | 24 | TMDS Clock - |

RGB/DVI

| Mode No | Resolution | Refresh Rate (Hz) | Horizontal Frequency (K Hz) | Vertical Frequency (Hz) | Vertical Sync Polarity (TTL) | Horizontal Sync Sync Polarity (TTL) | Dot rate (MHz) |
|---------|-----------------|----------------------|--------------------------------|----------------------------|---------------------------------|--|-------------------|
| 1 | 640(VGA)_480 | 60 | 31.469 | 59.940 | - | - | 25.175 |
| 2 | 640(VGA)_480 | 72 | 37.861 | 72.809 | - | - | 31.500 |
| 3 | 640(VGA)_480 | 75 | 37.500 | 75.000 | - | - | 31.500 |
| 4 | 640(VGA)_480 | 85 | 43.269 | 85.008 | - | - | 36.000 |
| 5 | 800(SVGA)_600 | 56 | 35.156 | 56.250 | + | + | 36.000 |
| 6 | 800(SVGA)_600 | 60 | 37.879 | 60.317 | + | + | 40.000 |
| 7 | 800(SVGA)_600 | 72 | 48.077 | 72.188 | + | + | 50.000 |
| 8 | 800(SVGA)_600 | 75 | 46.875 | 75.000 | + | + | 49.500 |
| 9 | 800(SVGA)_600 | 85 | 53.674 | 85.061 | + | + | 56.250 |
| 10 | 1024(XGA)_768 | 60 | 48.364 | 60.004 | - | - | 65.000 |
| 11 | 1024(XGA)_768 | 70 | 56.476 | 70.069 | - | - | 75.000 |
| 12 | 1024(XGA)_768 | 75 | 60.023 | 75.029 | + | + | 78.750 |
| 13 | 1024(XGA)_768 | 85 | 68.677 | 84.997 | + | + | 94.500 |
| 14 | 1280(SXGA)_1024 | 60 | 63.981 | 60.020 | + | + | 108.00 |
| 15* | 1280(SXGA)_1024 | 75 | 79.976 | 75.025 | + | + | 135.00 |
| 16* | 1280(SXGA)_1024 | 85 | 91.146 | 85.024 | + | + | 157.50 |
| 18 | 720(DOS)_400 | 70 | 31.469 | 70.087 | + | - | 28.320 |
| 19 | 640(VGA)_480 | 50 | 31.469 | 50.030 | - | - | 25.175 |

RGB/DVI (continued)

| Mode No | Resolution | Refresh Rate (Hz) | Horizontal Frequency (K Hz) | Vertical Frequency (Hz) | Vertical Sync Polarity (TTL) | Horizontal Sync Sync Polarity (TTL) | Dot rate (MHz) |
|---------|------------------|----------------------|--------------------------------|----------------------------|---------------------------------|--|-------------------|
| 20* | 1280(HDTV)_720P | 60 | 45.000 | 60.000 | + | + | 74.250 |
| 21* | 1920(HDTV)_1080I | 60(I) | 33.750 | 60.000 | + | + | 74.250 |
| 22 | 640(VGA)_350 | 70 | 31.469 | 70.087 | - | + | 25.175 |
| 23 | 852(WGA)_480 | 60 | 31.413 | 59.835 | - | - | 30.00 |

* DVI is not supported.

RGB/DVI For Apple Standard

| Mode No | Resolution | Refresh Rate (Hz) | Horizontal Frequency (K Hz) | Vertical Frequency (Hz) | Vertical Sync Polarity (TTL) | Horizontal Sync Sync Polarity (TTL) | Dot rate (MHz) |
|---------|------------|----------------------|--------------------------------|----------------------------|---------------------------------|--|-------------------|
| 24 | 640 x 480 | 67 | 35.000 | 66.667 | - | - | 30.240 |
| 25 | 832 x 624 | 75 | 49.725 | 74.550 | - | - | 57.283 |
| 26 | 1152 x 870 | 75 | 68.681 | 75.062 | - | - | 100.000 |

Maximum Resolution Up to 1280 x 1024

| Dimensions | Without Stand | With Stand |
|-------------------|----------------------|-------------------|
| Width | 1210mm | 1210mm |
| Height | 652mm | 715.5mm |
| Depth | 94.5mm | 310mm |

Package Dimensions

| | |
|--------|---------|
| Width | 1370 mm |
| Height | 950 mm |
| Depth | 450 mm |

Weight

| | |
|--------------|--|
| Net weight | 79.8 lbs / 36.2 Kgs (without stand) 88.2 lbs / 40 Kgs (with stand) |
| Gross weight | 112.2 lbs / 50.9 Kgs |

Operating

| | |
|-------------------|----------------|
| Temperature | 0~40_(32~104_) |
| Relative humidity | 20~80% |
| Pressure | 800~1114hpa |

Other Information

Non-Operating

| | |
|-------------------|--|
| Temperature | -5~45_ |
| Relative humidity | 20~80% |
| Pressure | 700~1114hpa |
| Vibration | X/Y/Z, 0.7G/30~50Hz(sweep), 15 minutes |

Acoustics

(IHF A-weighted 1meter) 40dB Max.

Sound

| | |
|---|-----------------------|
| Residual hum (at volume max) | 500_W Max. |
| Practical max. Audio output (at 10% THD max.) | |
| 1.0vp-p 1K Hz input | 5W +5W Max. / 4 ohm |
| Sound distortion (at 250 mw 1K Hz) | 1% Max. |
| Audio output (input at 1.4V _{p-p}) | _1.0 V _{p-p} |

Reliability Requirement

The MTBF needs 20000hrs under operation 25±5_(half luminosity, motion picture)

Emission Requirement

The unit shall meet the EMI limits in all screen modes. For EMI testing, the unit must be failed with the screen pattern consisting of scrolling capital "H" characters also the brightness contrast will be adjusted to max. level.

FCC class B part 15

Power Management

| Mode | H-sync | V-sync | Video | Power dissipation |
|--------------|----------|----------|----------|-------------------|
| Normal | Pulse | Pulse | Active | Normal power |
| Stand-by | No pulse | No pulse | No video | Power off |
| Power saving | Pulse | No pulse | blanked | Less than 6 watts |
| | No pulse | Pulse | | |

This Plasma display is Energy star compliant when used with a computer equipped with DPMS.

Note: The power indicator LED color is green in normal state, yellow in stand-by and power saving state.

FCC Declaration of Conformity and Industry Canada Information

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

Product: Cinema Screen Monitor
Equipment Classification: Class B Computer Peripheral
Model: PHD42600

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

Thomson Inc.
10330 N. Meridian St.
Indianapolis, IN 46290
Phone: (580) 634-0151

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.

Industry Canada Compliance Notice

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

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

Other Information

of time can cause them to be permanently imprinted on the picture tube (or projection TV picture tubes, or plasma panel). ALSO, some network/program logos, phone numbers, etc. may cause similar damage. This damage is not covered by your warranty.

Limited Warranty

What your warranty covers:

- Defects in materials or workmanship.

For how long after your purchase:

- One year from date of purchase for labor.
- One year from date of purchase for parts.
- The warranty period for rental units begins with the first rental or 45 days from date of shipment to the rental firm, whichever comes first.

What we will do:

- Pay an Authorized Service Center the labor charges to repair your unit.
- Pay an Authorized Service Center for the new, or at our option, refurbished replacement parts required to repair your unit.

How you get service:

- Call 1-800-433-8974 and have your unit's date of purchase and model/serial number ready.
- A representative will troubleshoot your problem over the phone.
- If the representative determines that you should receive service, they will provide you with the name(s) of the Authorized Service Center in your area.
- Contact the Service Center and arrange for home or pick up, repair, and return service, provided that your unit is located within the geographic territory covered by an Authorized Service Center. If not, you must take your unit to the Service Center location at your own expense, or pay for the cost the Service Center may charge to transport your unit to and from your home.
- Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the product is within the warranty period must be presented to obtain warranty service. For rental firms, proof of first rental is also required.

What your warranty does not cover:

- Customer instruction. (Your Owner's Manual describes how to install, adjust, and operate your unit. Any additional information should be obtained from your dealer.)
- Installation and related adjustments.
- Damage resulting from non-approved installation methods.
- Signal reception problems not caused by your unit.
- Damage from misuse or neglect.
- Images burnt onto the screen.
- Batteries.
- A television that has been modified or incorporated into other products.
- A unit purchased or serviced outside the U.S.A.
- Acts of nature, such as but not limited to lightning damage.

Product Registration:

- Please complete the online Product Registration on www.rca.com/productregistration or complete and mail the Product Registration Card packed with your unit. It will make it easier to contact you should it ever be necessary. The return of the card is not required for warranty coverage.

Limitation of Warranty:

- **THE WARRANTY STATED ABOVE IS THE ONLY WARRANTY APPLICABLE TO THIS PRODUCT. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED (INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) ARE HEREBY DISCLAIMED. NO VERBAL OR WRITTEN INFORMATION GIVEN BY THOMSON INC., ITS AGENTS OR EMPLOYEES SHALL CREATE A WARRANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS WARRANTY.**
- **REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. THOMSON INC. SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. THIS DISCLAIMER OF WARRANTIES AND LIMITED WARRANTY ARE GOVERNED BY THE LAWS OF THE STATE OF INDIANA. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.**

How State Law relates to warranty:

- Some states do not allow the exclusion nor limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.
- This warranty gives you specific legal rights, and you also may have other rights that vary from state to state.

If you purchased your unit outside the United States:

- This warranty does not apply. Contact your dealer for warranty information.

Service calls which do not involve defective materials or workmanship are not covered by this warranty. Costs of such service calls are the sole responsibility of the purchaser.

Other Information

Accessory Information

Below are accessories available to compliment your product. Prices are subject to change without notice. All accessories are subject to availability.

A shipping and handling fee will be charged upon ordering, and we are required by law to collect the appropriate sales tax for each individual state, county and locality to which the merchandise is being sent.

How to Order

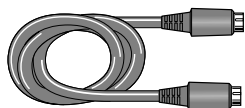
To place an order by phone, have your Visa, MasterCard or Discover Card ready and call the toll-free number listed below. Use this number only to place an order for accessory items.

1-800-338-0376

Some of these accessories are also available on-line at

www.rca.com

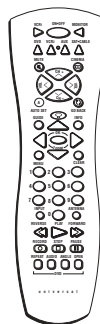
Prices are subject to change without notice. All accessories are subject to availability.



S-Video Cable: has multi-pin connectors on each end for connecting S-Video components to your TV.

VH976 (6-ft) \$7.95

V H913 (12-ft) \$14.95



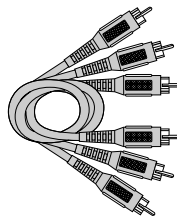
Remote Control: This is the remote control that came packed with your product. Replacements or spares can be ordered as needed.

RCR160TKLM1 \$28.25



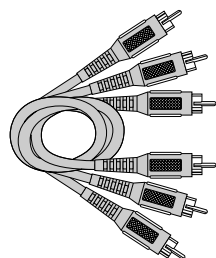
Standard Audio/Video cable with RCA-type phono plugs.

VH83 (3-ft) \$3.95



Stereo VCR Dubbing Cable: Triple cable that lets you connect the VIDEO and AUDIO jacks of stereo components.

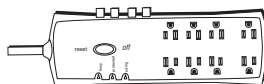
VH84 (6-ft) \$9.95



Component Video Cables Triple cable used to connect a video source with Y, Pb, Pr jacks to the TV.

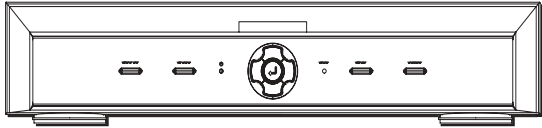
DT6DC (6-ft) \$24.95

DT12DC (12-ft) \$34.95

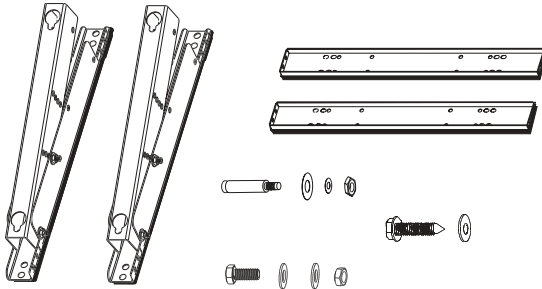


Surge Protector provides eight outlets, coaxial and telephone line protection. Audible alarm for surge failure.

SCTV4000C \$49.95



ATSC21 HDTV set-top box receives ATSC high-definition digital signal broadcasts (check with your dealer for availability).



PLWM42J2 Plasma monitor wall mount hardware allows you to securely mount your monitor to the wall (check www.rca.com or your dealer for availability).

Visit the RCA web site at www.rca.com

Please do not send any products to the Indianapolis address listed in this manual or on the carton. This will only add delays in service for your product.

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