

MEDION®

MD 30227

27" FLAT PANEL LCD TV



USER'S MANUAL

important safety instructions

This section contains important notices on the proper use of the LCD TV in order to maximize the lifetime of the product. Please read through this section carefully.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



CAUTION
RISK OF ELECTRIC SHOCK.
DO NOT OPEN.



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



This symbol warns the user of uninsulated voltage within the unit that can cause dangerous electric shock.



This symbol alerts the user that there are important operating and maintenance instructions in the literature regarding this unit.

Federal Communication Commission 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.

This equipment has been tested and found to comply with the limits for a TV Broadcast Receiver, 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 communication. 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 correcting 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 this 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.

For assistance please call (866)633-4660 or visit www.medionusa.com

Before connecting, operating, or adjusting this product please read these instructions completely and keep this manual for future reference.

important safety instructions

Caution

READ THE SAFETY AND OPERATING INSTRUCTIONS before operating your LCD TV and retain the instructions for future use.

Important Safety Instructions

FOLLOW INSTRUCTIONS AND HEED ALL WARNINGS on the LCD TV and in this manual.

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 is 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.
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. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
16. Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.
17. If an extension cord is used with this product, make sure that the total ampere rating of the equipment plugged into the extension cord does not exceed the extension cord ampere rating. Also, make sure that the total rating of all products plugged into the wall outlet does not exceed the fuse or circuit breaker rating.
18. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.



important safety instructions

19. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a. When the power cord or plug is damaged or frayed.
 - b. If liquid has been spilled into the product.
 - c. If the product has been exposed to rain or water.
 - d. If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal condition.
 - e. If the product has been dropped or the cabinet has been damaged.
 - f. If the product exhibits a distinct change in performance, indicating a need for service.
20. Do not dispose the battery in trash that is bound for landfills. Properly dispose of battery according to your local regulations and ordinances.
21. Use only the proper type of power supply cord set (provided in your accessories box) for this unit. It should be a detachable type: UL listed/CSA certified, type SVT/SJT, rated 6A 125V minimum, VDE approved or its equivalent. Maximum length is 15 feet (4.6 meters).
22. No naked flame sources, such as lighted candles, should be placed on the apparatus.
23. This apparatus must be connected to a grounded power-outlet.
24. Use this apparatus within its environmental specifications (i.e., temperature and humidity). Follow all warnings and instructions marked on the product.

Note to CATV System Installer

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the National Electrical Code (Section 54 of 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.

Caution – FCC Notice

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

important safety instructions

Grounding the Antenna System

If an outside antenna is connected to this equipment, be sure the antenna system is grounded in order to provide some protection against voltage surges.

Note: This equipment is designed to operate in the U.S.A. and other countries where the broadcasting system and AC house current is exactly the same as in the U.S.A.

Fixed Image Display

The marking or retained image on the LCD panel resulting from fixed image use is not an operating defect and as such is not covered by Warranty. This product is not designed to display fixed image patterns for extended periods of time.

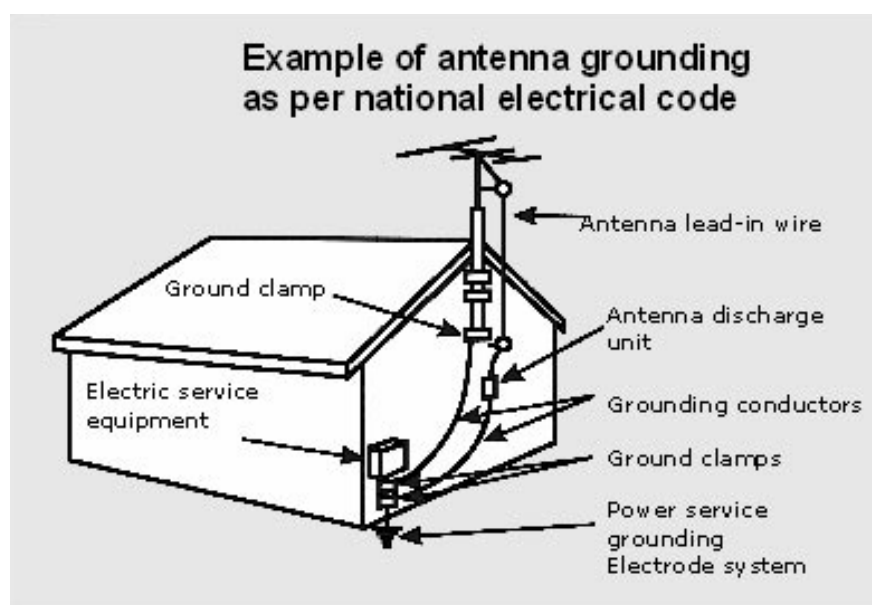


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THANK YOU

...for your purchase of this LCD TV. We hope you will be happy with the LCD TV as much as we enjoyed making it for you.

Before you begin using your LCD TV, please read through the Important Safety Instructions section found on pages 2-5.

About your LCD TV

An LCD TV provides many features and advantages over traditional CRT (Cathode-Ray Tube) TVs. For starters, it occupies less space. It is also easier to carry and position because it weighs less than a CRT TV. More importantly, it consumes less power and emits no harmful radiation.

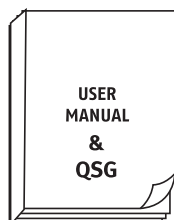


In addition, this LCD TV includes the following features:

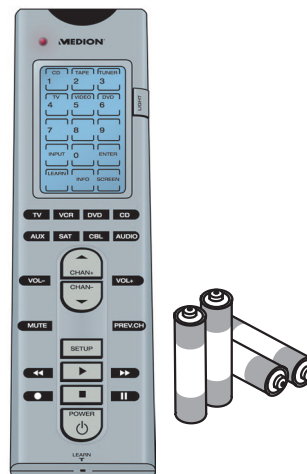
- Bright and vivid screen
- Adaptive 2D noise filter for cleaner images
- Non-linear up-down scaling for excellent video and resolution switching
- A host of input/output terminals including TV tuner, Component Video (YPbPr), S-video, Video, Audio, Subwoofer, DVI and VGA
- PIP (Picture-In-Picture) modes
- User-friendly multi-lingual onscreen menu system
- Easy-to-use universal remote control
- Built-in stereo speakers
- Headphone jack for private listening
- Timer function
- Child lock (Parental) feature

Included Accessories

An accessory box comes packaged with your LCD TV. This contains the manual, Quick Start Guide (QSG), remote control and cables. Check the accessories before installation.



User manual



Remote control
and batteries (AAA x 4)



Power cord



Component Video (YPbPr) cable



Composite video cable



Audio cable



VGA cable



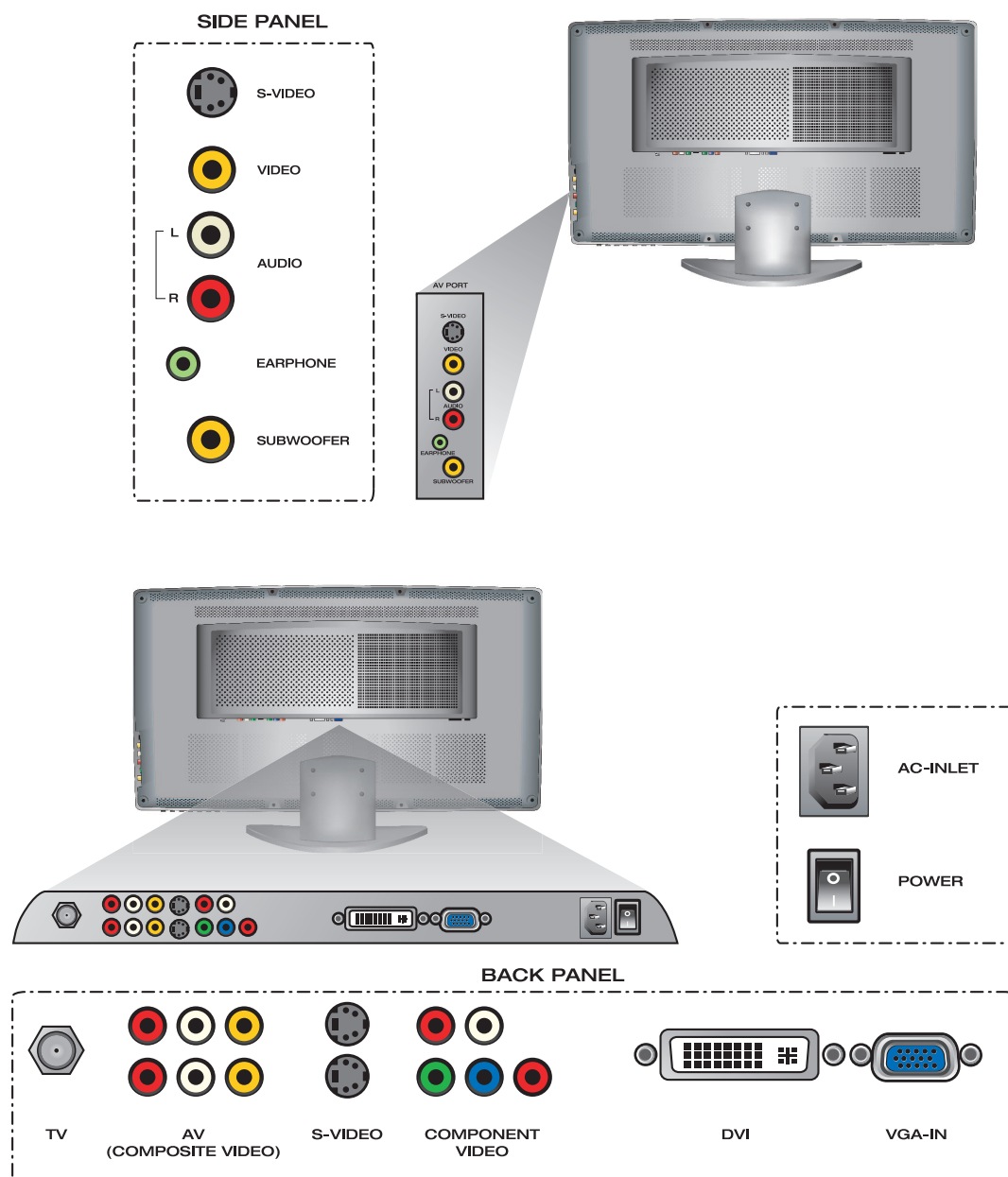
Antenna cable

Note: The items included in the accessory box may vary and are subject to change

making the connections

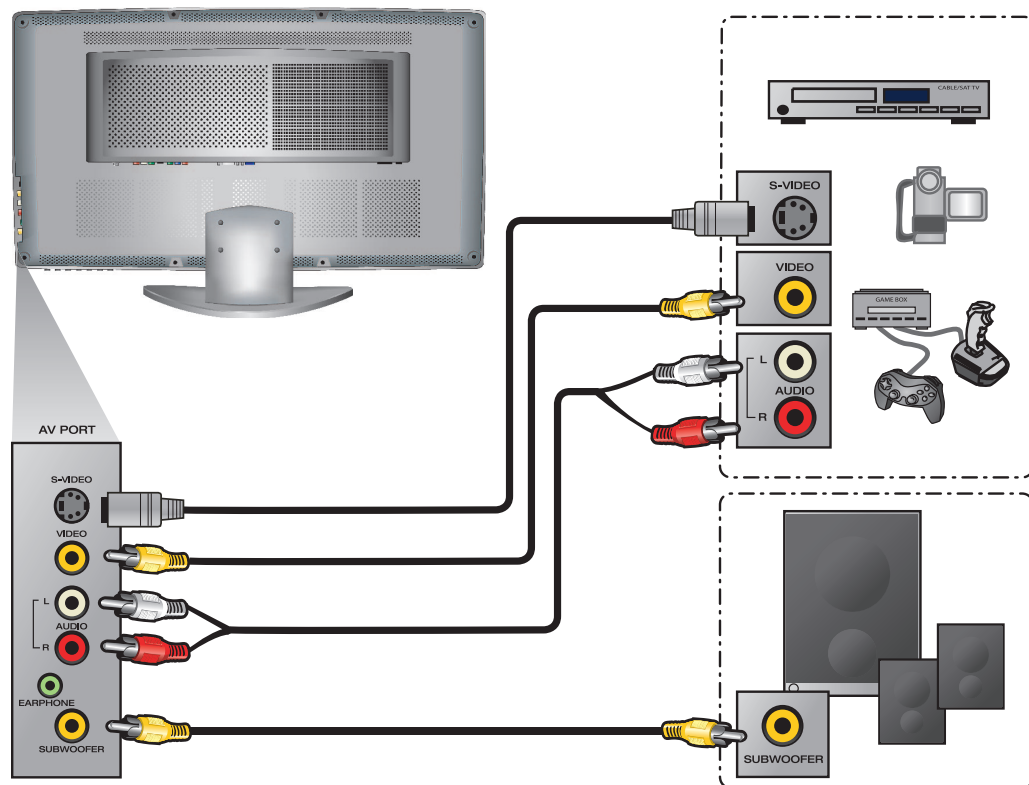
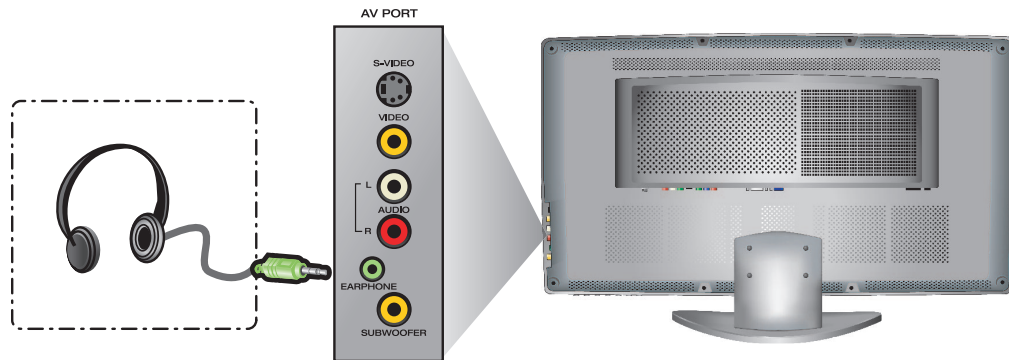
CONNECTION CONFIGURATIONS


The following illustrations show the different audio and video ports available on your LCD TV. Pages 11–15 show example configurations with DVD players, VCR's, Camcorders, Video game consoles, PC's, Cable boxes and Antennas.



Side Input Terminals

The following illustrations show the different audio and video equipment you can connect to the side of the LCD TV. Connect the outputs of the various devices to the corresponding inputs on the side of the LCD TV as shown below.



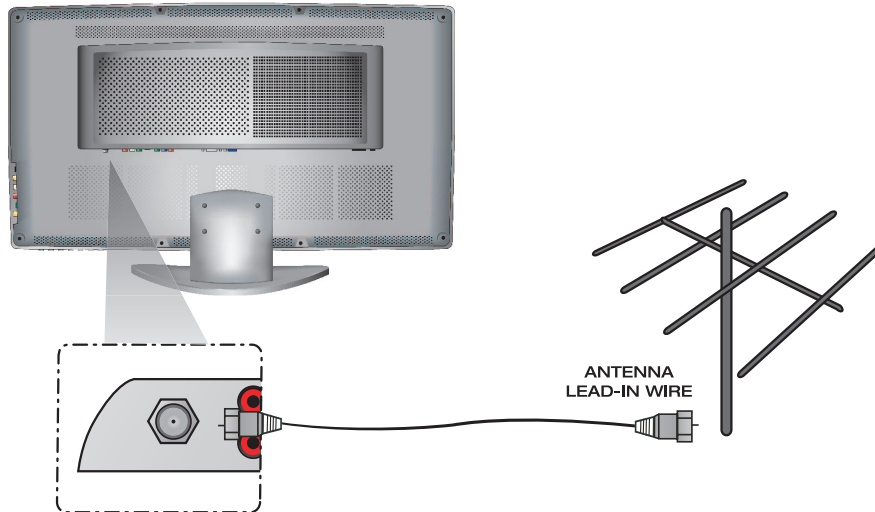
 Most cables and AV connectors on your equipment follow a standard color code. Observing this code can be very helpful when connecting your AV equipment.

making the connections

The following illustrations show the different audio and video equipment you can connect to the rear of the LCD TV.

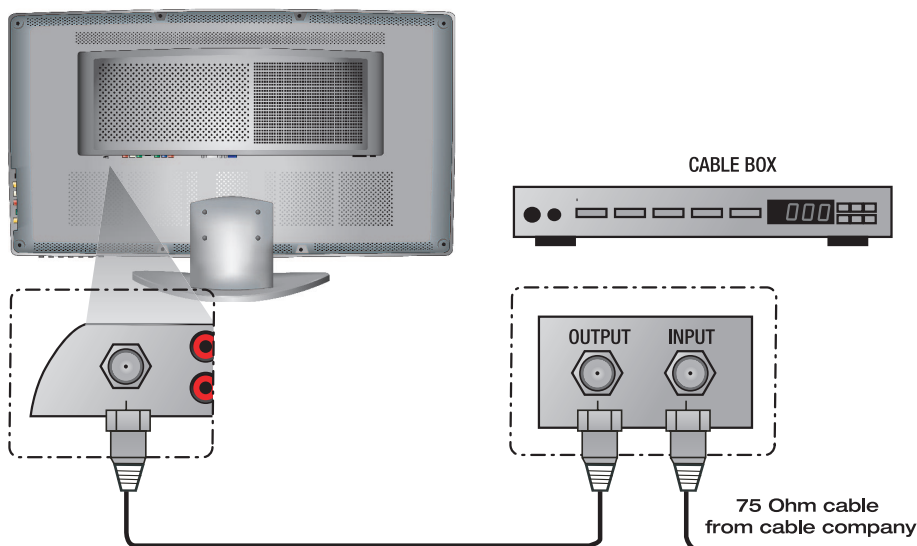
Antenna/Cable (analog) Connection

Connect the 75 Ohm antenna cable from your antenna/cable company to the TV input on the rear of the LCD TV.



Cable Box Connection

Connect the 75 Ohm cable from the cable company to the input of the cable box and then connect the output of the cable box to the TV input on the rear of the LCD TV.

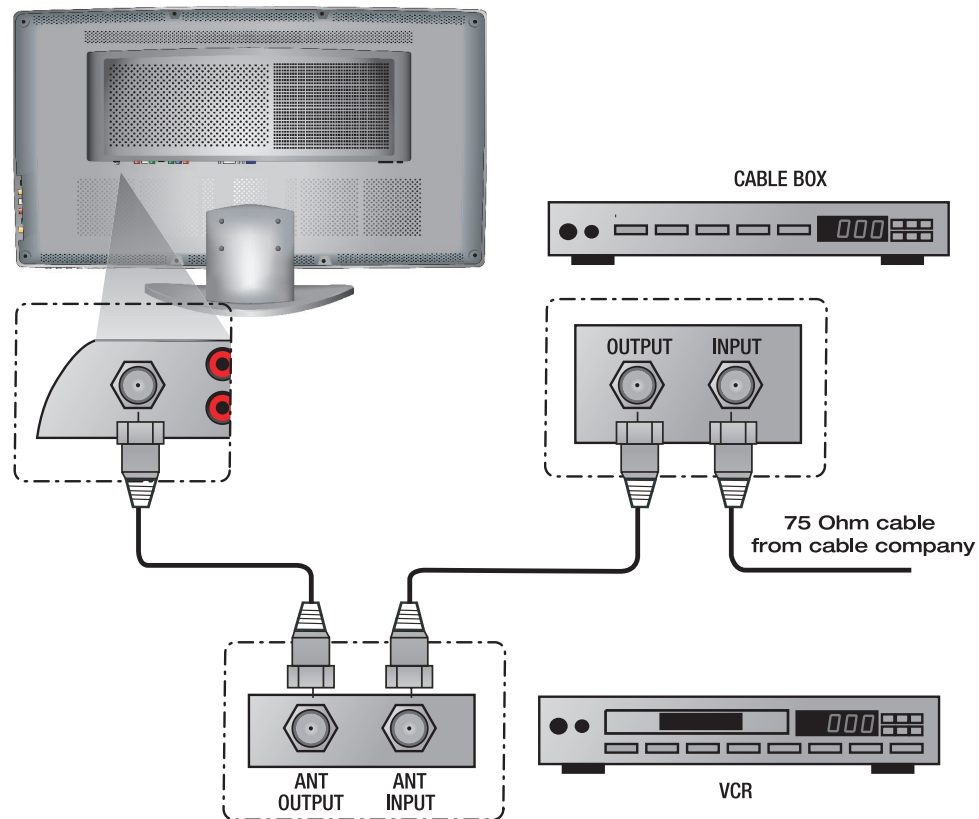


i Most cables and AV connectors on your equipment follow a standard color code. Observing this code can be very helpful when connecting your AV equipment.

making the connections

Cable Box & VCR Connection

First, connect the 75 Ohm cable from your cable company to the input of the cable box. Next, connect the output of the cable box to the input of the VCR. Finally, connect the output of the VCR to the TV input on the rear of the LCD TV.

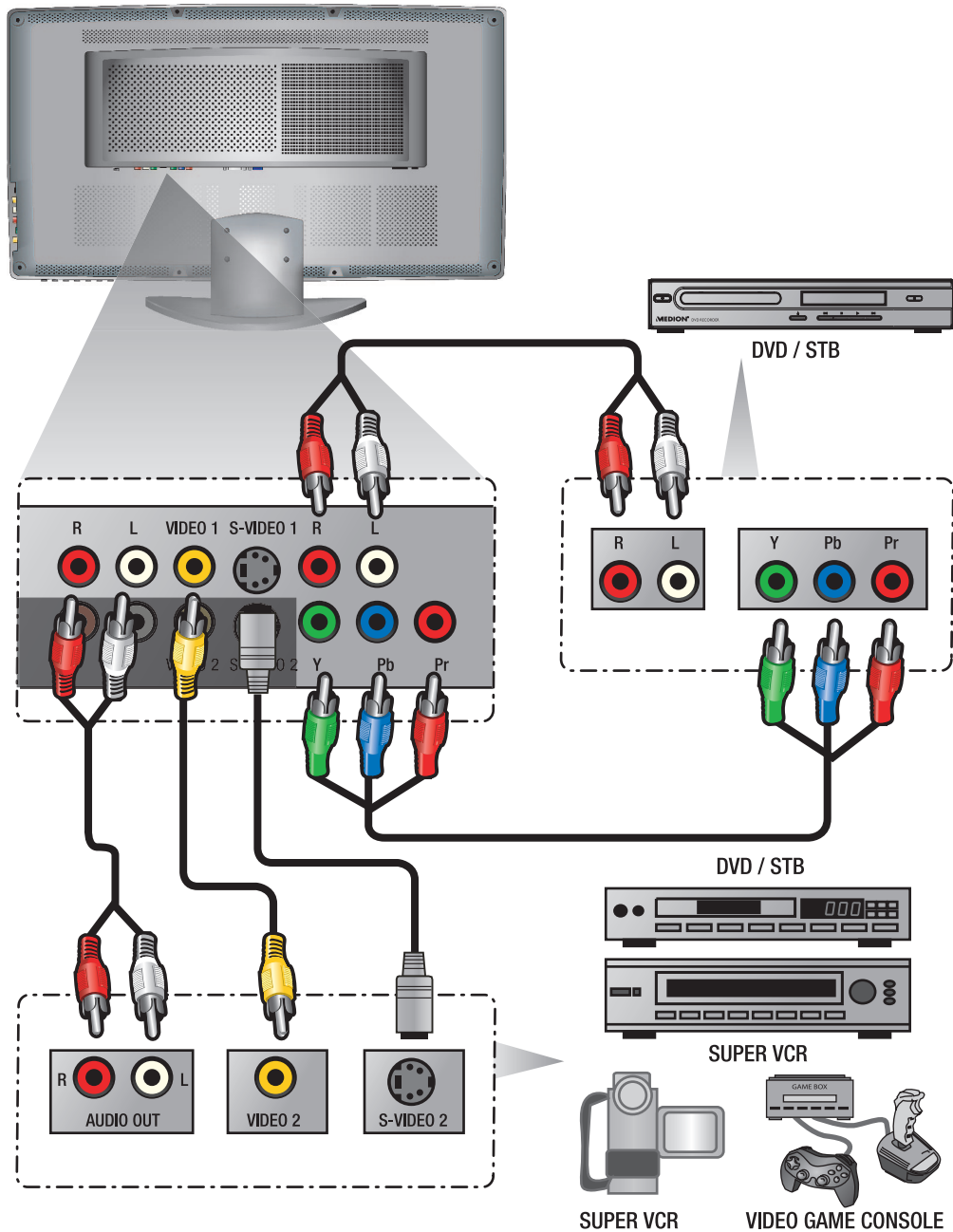


i Most cables and AV connectors on your equipment follow a standard color code. Observing this code can be very helpful when connecting your AV equipment.

making the connections

Rear Input Terminals

Connect the outputs of the various devices to the corresponding inputs on the rear of the LCD TV as shown below.

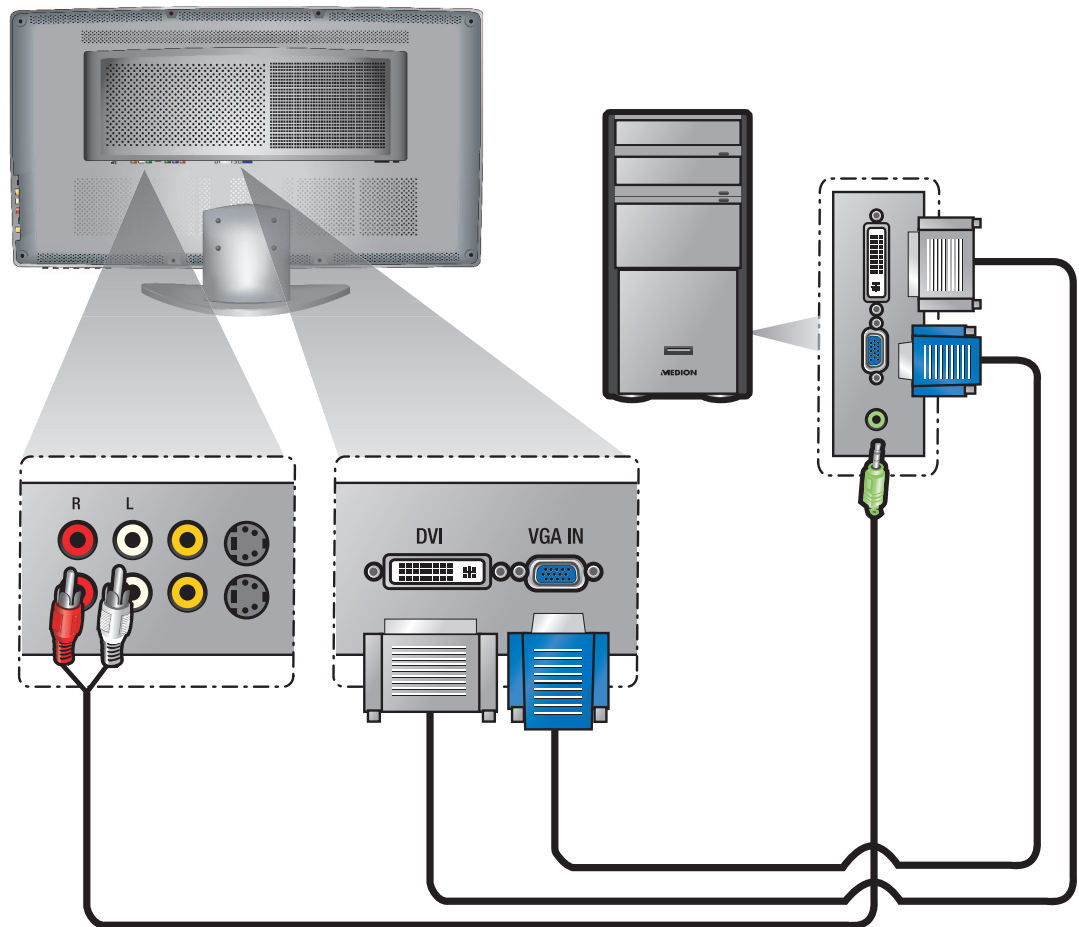


i Most cables and AV connectors on your equipment follow a standard color code. Observing this code can be very helpful when connecting your AV equipment.

making the connections

PC Connections

This LCD TV features a DVI port that is optimized for PC connections. If available, this will provide the best digital-to-digital signal quality. If your PC is not equipped with DVI, connect the VGA cable (supplied) from the output of your computer to the VGA port on the rear of the LCD TV. A separate audio connection is required for either connection type.



i Most cables and AV connectors on your equipment follow a standard color code. Observing this code can be very helpful when connecting your AV equipment.

UNDERSTANDING THE CONTROLS

LCD TV front panel

Located on the front of the LCD TV, these buttons control the basic functions of the LCD TV. Advanced functions require use of the remote control.

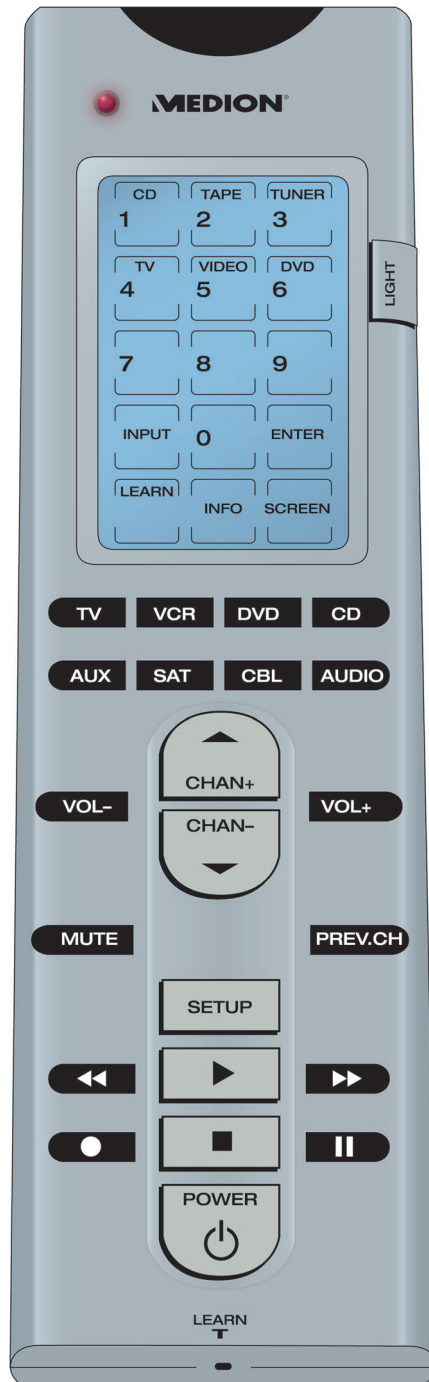
—	Volume down	Decreases the volume.
+	Volume up	Increases the volume.
⏮	Channel down	Switches to a lower channel.
⏭	Channel up	Switches to a higher channel.
☰	Menu	Displays the menu.
⏮	Source	Switches the input source (TV, AV1, AV2, AV, SVIDEO1, SVIDEO2, SVIDEO, YPbPr, VGA, DVI).
⏻	Power	Turns the LCD TV on and off. The power indicator light in standby mode is amber and turns blue when the LCD TV is on.



understanding the controls

Universal remote control

Below are the illustrations of the universal remote control. The LCD touch screen of the universal remote control is used to input channels and navigate all of the menus of the LCD TV. Press SCREEN to toggle between SCREEN I and SCREEN II.



Screen I

1	2	3
4	5	6
7	8	9
INPUT	0	ENTER
LEARN	INFO	SCREEN

Screen II

CC	▲	SLEEP
◀	OK	▶
TOGGLE	▼	PIP
MENU	MOVE	QUIT
GUIDE		SCREEN II

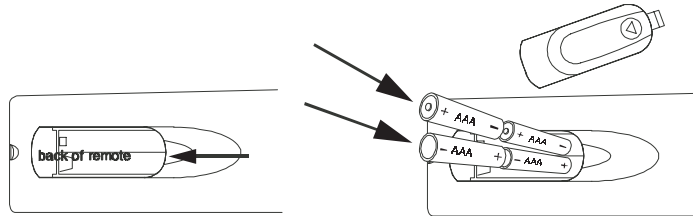
understanding the controls

Battery Installation

Your LCD Universal Remote requires 4 new AAA alkaline batteries (included).

To install the batteries:

1. Turn the remote over, pull on the tab and lift the cover off.
2. Insert the batteries, matching the batteries to the (+) and (-) marks inside the battery compartment.
3. Slide the battery cover back into place.



Precaution on battery use

Incorrect installation can cause battery leakage and corrosion that will damage the remote control transmitter.

Notes:

- ① Match the +/- polarity with the label on the compartment.
- ① Do not attempt to charge, short-circuit, disassemble, heat or burn used batteries.
- ① Please do not use different brands and/or types of batteries together. Do not mix new and old batteries.
- ① If you find the operation range is reduced, please replace all batteries with new ones.
- ① If the remote control is not used for a long period, please remove the batteries to prevent damage from battery leakage.
- ① Do not drop, apply shock to or step on the remote control.
- ① Do not spill water on the remote control.

Power-On Default

When you first insert the batteries your LCD remote always powers-on in TV Mode.

Battery Saver

Your LCD remote automatically “times-out” if the buttons are depressed for more than 30 seconds. This saves your batteries should your remote get stuck in a place where the buttons remain depressed (e.g., between the sofa cushions).

Code Saver

All programmed information is retained while changing batteries.

LCD

The Liquid Crystal Display (LCD) acts as a “Virtual Keypad.” The display has a 15 position segmented button area. The display is normally blank when the remote is not in use. To turn the display on, press the Setup button, Mode button or touch anywhere on the LCD. The remaining rubber buttons do not activate the display.

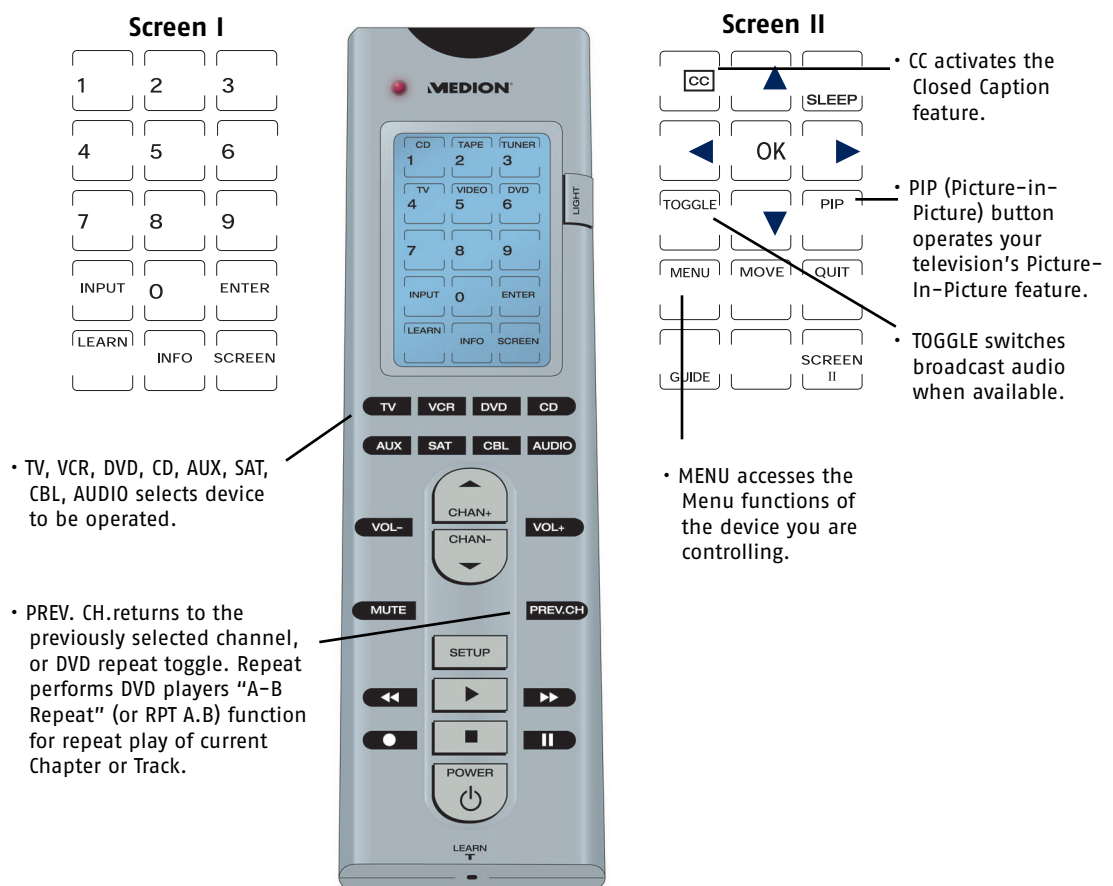
understanding the controls

Setting up the universal remote for the LCD TV

The remote control is pre-programmed for your convenience. To reset the remote control, follow the instructions below:

1. Install four AAA-type batteries into the battery compartment of the remote control.
2. Press and hold (SETUP) for 4 seconds.
3. Press "Mode" on the touch screen of the universal remote.
4. Press (TV) and then press "CODE" and key in "163" on the touch screen.
5. Press "QUIT" on the touch screen to finish the setup.

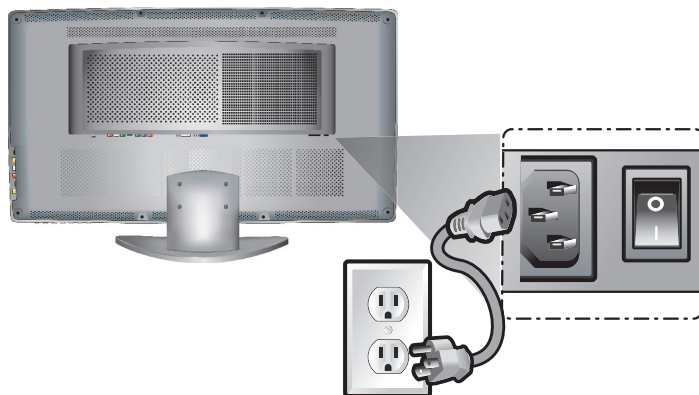
Button/LCD Key Descriptions




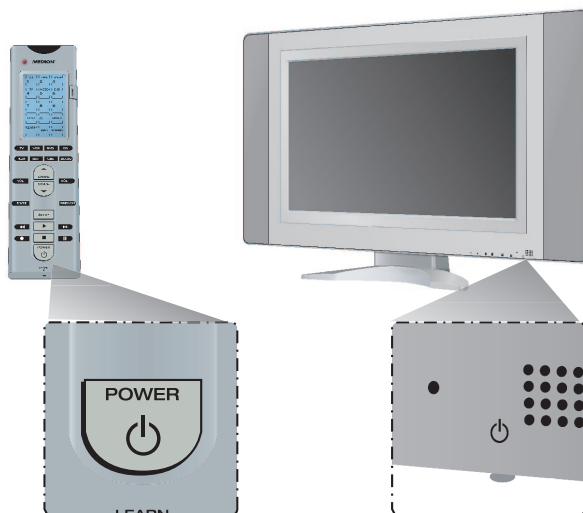
setting it up...

...THE FIRST TIME

1. Remove the LCD TV packaging and position the LCD TV in a safe and well-ventilated location.
2. Refer to pages 10–15 for your equipment connections.
3. Connect the power cord to the AC inlet terminal and to a properly grounded power outlet.



4. Press the main power switch beside the AC inlet terminal.
5. Press the power button on the front of the LCD TV or press  (POWER) on the remote control.



6. To begin channel scanning, toggle to **SCREEN II** and press MENU on the touch screen of the universal remote control to bring up the menu screen on the LCD TV. Press **▲▼** buttons to highlight **TUNER**; press **▶** to enter the submenu. Highlight the **AUTOSCAN** with the **▲▼** buttons on the touch screen of the universal remote control. Press **▶** to select YES. The LCD TV will automatically scan for available channels.
7. After the channel scanning is complete, the channel screen appears and you can begin watching TV.



BASIC CONTROLS

Turning the LCD TV on and off

There are a number of ways you can turn the LCD TV on and off. Make sure the main power switch is turned on, then:




- Press the power button on the universal remote control.
- Press the power button on the front of the LCD TV.

Switching Between Input Sources



1. Make sure the video input device is properly connected and turned on.
2. Press the "INPUT" button on the touch screen of the universal remote control to select the desired input type (**TV, AV1, AV2, AV, SVIDEO1, SVIDEO2, SVIDEO, YPbPr, VGA or DVI**). Press repeatedly on the input type to toggle between the available input sources. The "INPUT" button on the touch screen is found under "SCREEN 1". Another way is, after pressing the **INPUT** button, use the  (**CHAN-**) or  (**CHAN+**) buttons to select the input source.


You can also press the **SOURCE** button  on the **LCD TV** front panel to switch between the input sources.

Switching TV Channels

1. Make sure the LCD TV is in TV mode.
2. Press  (**CHAN+**) or  (**CHAN-**) buttons to switch through the channels in the list. You can also press the number buttons to directly jump to the channel. Pressing the  (**PREV.CH**) button will show the previous channel.
3. To view channels 100 and up, you have to press "ENTER" on the touch screen of the universal remote control. The channel number 100 will be displayed on the LCD TV, then press the last two digits of the channel number. For example: To view channel "112", press "ENTER", then press "1" and "2".

Adjusting the Volume

Press  (**VOL-**) or  (**VOL+**) buttons to decrease and increase the volume respectively.

You can turn off the sound by pressing the  (**MUTE**) button. Press it again or press the **VOL+** or **VOL-** buttons once to turn the sound back on.

Switching Broadcast Audio

If the channel supports it, you can switch between broadcast audio (such as the case of bilingual broadcasts). Press the **TOGGLE** button on the touch screen of the universal remote control to cycle between Mono, Stereo and SAP options.

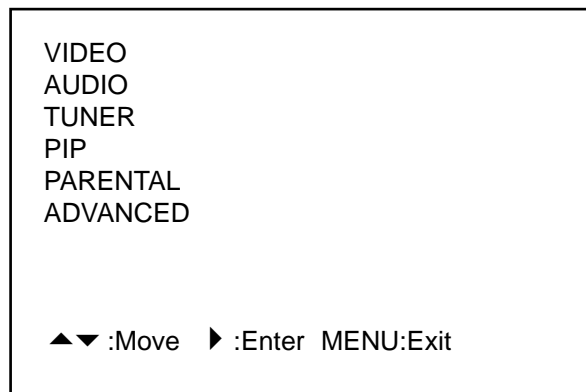
Using INFO feature

The INFO feature on the touch screen of the universal remote control displays some useful information. Pressing INFO will display current channel on the LCD TV, audio and video status, and after 2 seconds will display the current time.

operating the LCD TV

On Screen Display (OSD)

With the LCD TV powered on, press the MENU button.



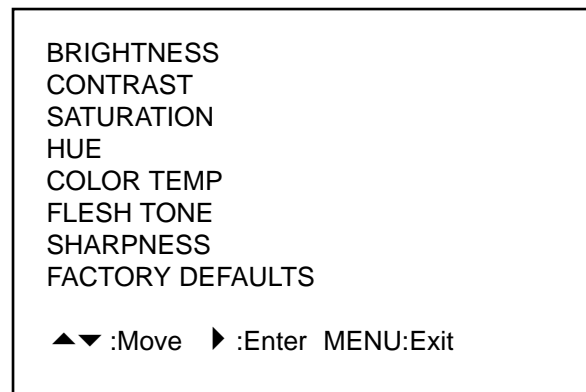
- On the touch screen of the universal remote control press the ▲▼ buttons to scroll through the menu items, then press the ▶ or OK button to access the sub-menu.
- To make adjustments, use the ◀▶ buttons.
- To return to the main menu from a sub-menu, or to exit from the main menu, press the MENU button.

Menu Summary

With the LCD TV powered on, press the MENU button. You can adjust some items directly by highlighting a menu item. Some menu items have sub-menus for detailed settings, which you can access by highlighting the item and pressing the OK or ▶ button.

Video

The VIDEO menu provides you with different ways of adjusting the picture including BRIGHTNESS, CONTRAST, SATURATION, HUE, COLOR TEMP, FLESH TONE and SHARPNESS.

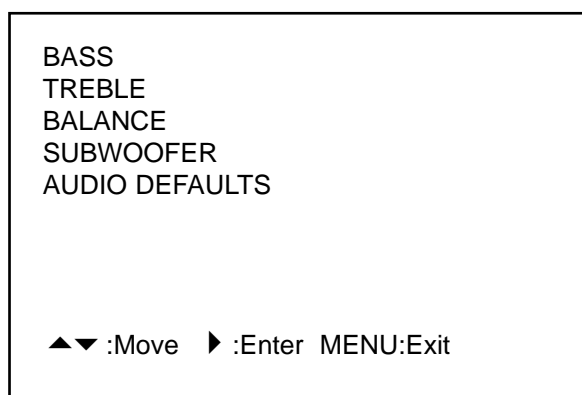


To adjust the VIDEO

1. On SCREEN II of the universal remote control, press the **MENU** button to access the menu on the LCD TV.
2. On the LCD TV, highlight the VIDEO menu and press **OK** or ▶ on the touch screen of the universal remote control to access the submenu.
3. Highlight the appropriate item by using the ▲▼ buttons on the touch screen of the universal remote control. To make adjustments, use the ◀▶ buttons.

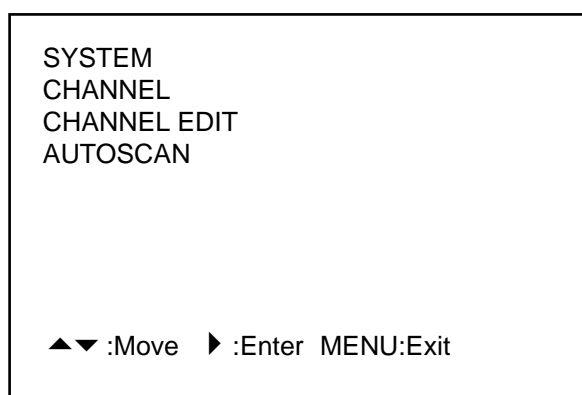
AUDIO

The AUDIO menu gives you control over the BASS, TREBLE, BALANCE, SUBWOOFER and AUDIO DEFAULTS.



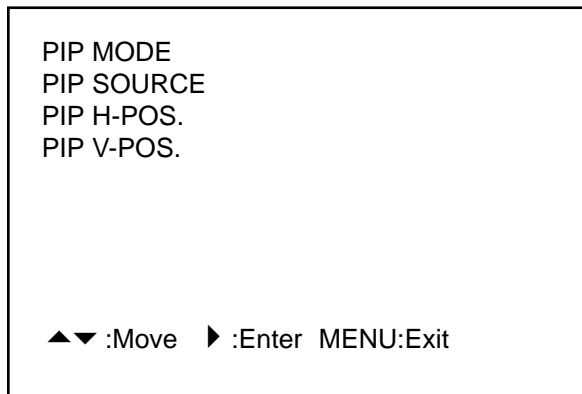
TUNER

The TUNER menu gives you control over the SYSTEM (cable or antenna), CHANNEL (present channel), CHANNEL EDIT (add or remove a channel), and AUTOSCAN (automatically scan for channel).



operating the LCD TV

PIP

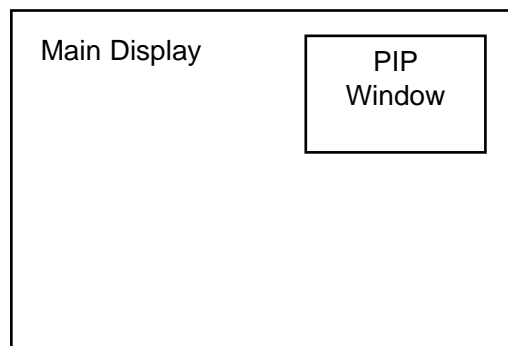


The PIP menu allows you to set the PIP mode (toggle the size of the PIP), PIP source, PIP H-POS (horizontal position of the PIP), PIP V-POS. (vertical position of the PIP).

Using Picture-in-Picture

The PIP feature allows you to view two video input sources simultaneously on the LCD TV. With any source as the primary video input, you can choose between the other video input sources to display as a sub-display on the LCD TV. See page 48 for a matrix of supported PIP combinations.

1. Press the **PIP** button on the touch screen of the universal remote control.
2. To set the PIP source, press **OK** right after pressing **PIP** on the touch screen of universal remote control to bring up the PIP menu on the LCD TV.
3. Highlight **PIP SOURCE** by using the ▲▼ buttons on the touch screen of the universal remote control and press the ◀▶ buttons to select the video input source. Make sure the video input source is properly connected (refer to pages 11–15).

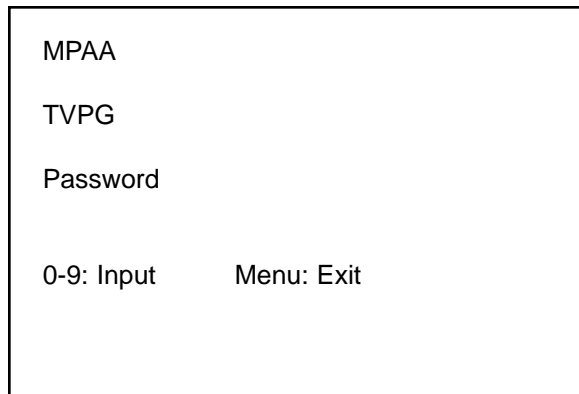


To change the position of the PIP window, highlight the **PIP H-POS** or **PIP V-POS** and press the ◀▶ buttons on the touch screen of the universal remote control to move the window.

You can also use **MOVE** on the touch screen of the universal remote control to position the PIP window. Pressing the **MOVE** button on the touch screen of the universal remote control will bring up the PIP submenu on the LCD TV. Follow the instructions above to change the position of the PIP window.

To change the size of the PIP window, highlight the **PIP MODE** and press the ▶ button repeatedly to toggle between the different window sizes.

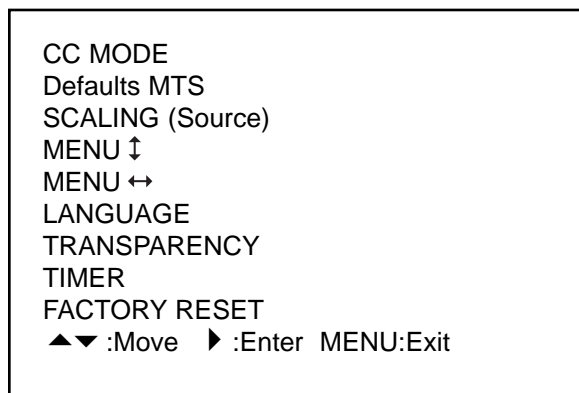
PARENTAL



The **PARENTAL** menu lets you set the child lock feature of the LCD TV. This menu lets you set the program rating from MPAA (Motion Picture) or TVPG (TV parental guidelines). Input the password to enable this option. The default password is **0000**, you have to change the password to be able to use the feature. The password **0000** will no longer be accepted after you have changed the default password.

Note: V-Chip feature is not supported in YPbPr mode. If you want to use the V-Chip feature, the Video or S-Video mode should be used instead.

ADVANCED



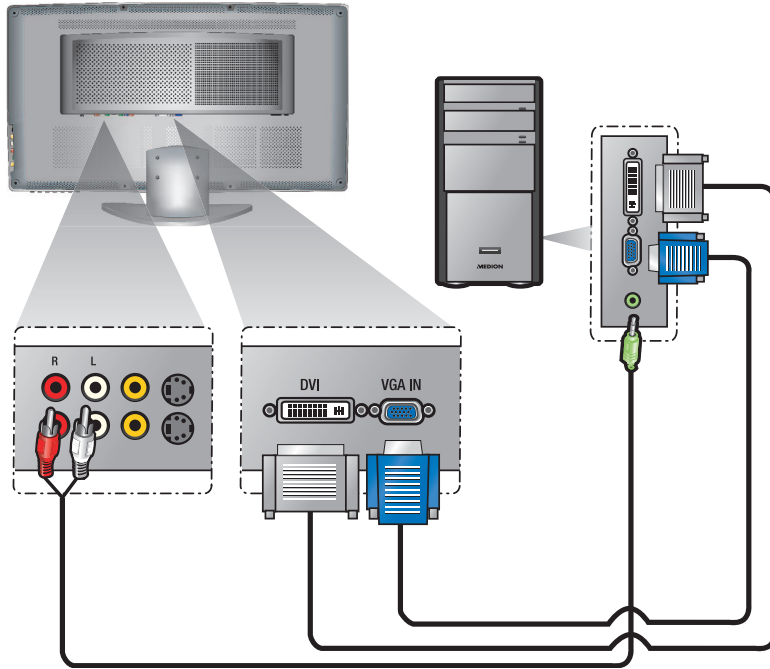
The **ADVANCED** menu lets you access the advanced features of the LCD TV. The features include CC MODE (close caption), Defaults MTS (MAIN, SAP), SCALING (depends on the source: TV, DVD, etc. The options are NORMAL (only available in VGA/DVI mode), FILL, ASPECT, WIDE or DVD MOVIE), MENU ↓ (adjust the vertical position of the menu), MENU ↔ (adjust the horizontal position of the menu), LANGUAGE (ENGLISH, SPANISH or FRENCH), TRANSPARENCY (transparency of the menu), TIMER, FACTORY RESET.

Note: Close Caption (CC) feature is not supported in YPbPr mode. If you want to use the Close Caption (CC) feature, the Video or S-Video mode should be used instead.

using as a computer monitor

USING VGA/DVI MODE

You can use this LCD TV as a display for your computer. There are two terminals, VGA and DVI, which you can connect to your computer.



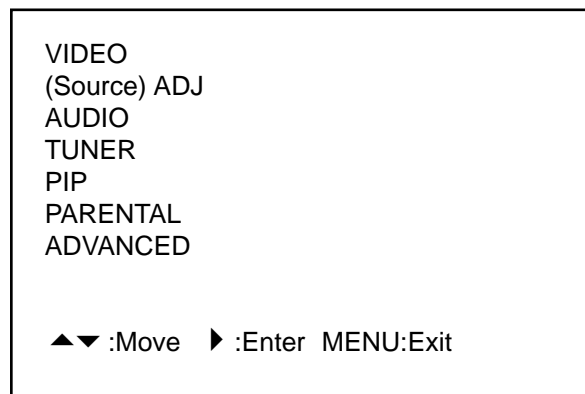
1. Connect the VGA or DVI cable from the LCD TV to the appropriate connector on the computer.
2. Connect an audio cable (RCA L/R-to-3.5mm minijack), included, from the AUDIO 1 connector on the LCD TV to the computer's audio jack.
3. Turn on the computer and the LCD TV.
4. Press the **INPUT** button on the touch screen of the universal remote control. Toggle thru the options until the VGA/DVI is displayed. The LCD TV will automatically adjust itself to the VGA/DVI video signal.

For supported VGA/DVI resolutions, see the table on page 48.

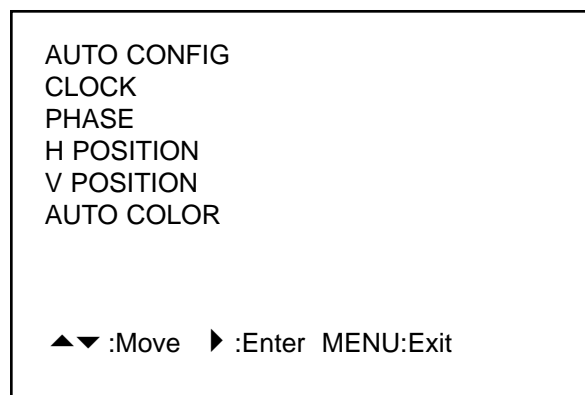
Adjusting the display in VGA/DVI mode

When the LCD TV is in VGA/DVI mode, you can make screen adjustments via the **VGA/DVI ADJ** (depending on the source connected to the LCD TV) menu. This menu will only be available if there is a VGA or DVI source connected to the LCD TV.

Note: The source will display either VGA or DVI depending on the peripheral connected to the LCD TV.



1. While in VGA/DVI mode, press the **MENU** button on the touch screen of the universal remote control.
2. Press the ▲▼ buttons on the touch screen of the universal remote control to highlight VGA/DVI ADJ.
3. Press the ► button on the touch screen of the universal remote control to enter the VGA/DVI ADJ submenu.



For configuring the LCD TV in VGA/DVI mode, it's recommended to use the AUTO CONFIG feature to automatically configure the LCD TV's settings. AUTO CONFIG adjusts the LCD TV's brightness, contrast, color, image position, etc. for the best image display.

Note: Run AUTO CONFIG also when you change display resolutions, or when the image is not properly displayed on the LCD TV.

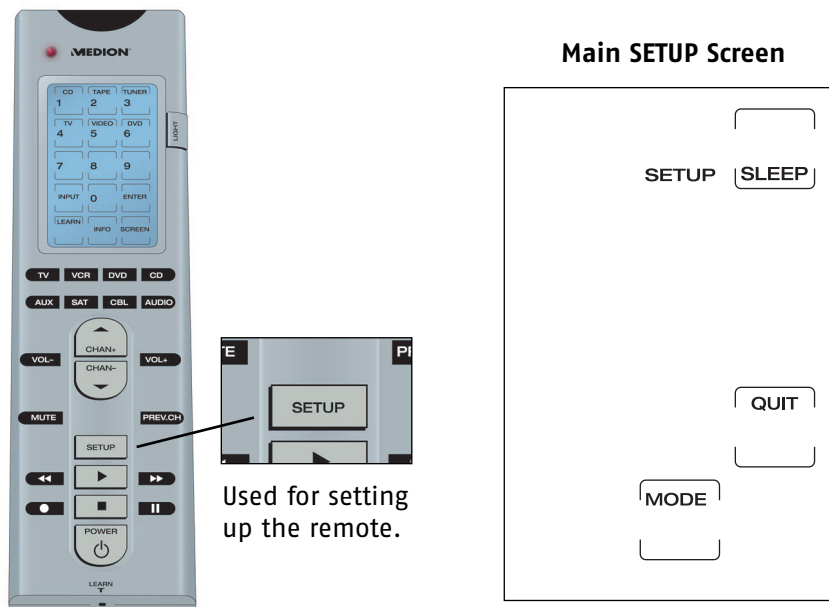
using the universal remote

...TO CONTROL OTHER DEVICES

Convention: In this section button names shown in upper case and Bold are LCD screen buttons, e.g., **MODE**, **CODE**, **QUIT**, etc. Other names refer to the hard rubber buttons, e.g., TV, VCR, Power.

Setup Button


The Setup button is used for setting up the remote. The red indicator (LED) blinks briefly when you press the Setup button. To enter the Setup routines press and hold the Setup button until the LED remains on. The Main Setup Screen shown below appears. Setup is used for direct Library Code entry, Code Searching, Code Identification., etc. Exit from Setup occurs automatically after 60 seconds if no button is pressed. In certain routines, the Setup button can be used to return to the Main Setup Screen. If any operation is not complete when the time-out occurs then that operation remains unchanged at its original setting.



Notes

1. Pressing the LCD **QUIT** button when shown in a Setup routine, returns the display to Main Setup Screen. Any changes made prior to that point are discarded.
2. You can exit to normal operation by pressing the LCD **QUIT** button at the Main Setup Screen.
3. In some cases, pressing the Setup button at any time in a Setup routine discards any changes made and returns to normal operation.
4. Any Setup routine button entry error or code entry error causes the remote to give an error warning (3 beeps). Only shown in TV Mode.

Quick Setup Guide

 See pages 49 through 52 for various codes.

To program your remote to control your DVD player, VCR, or Cable, etc.:

1. Press and hold Setup (the remote beeps).
2. Release Setup when you hear a second beep.
3. Press and release MODE.
4. Press and release DVD, VCR, etc.
5. Press and release CODE.
6. Enter 3 digit code.
7. Press QUIT.

To search for a code (instead of using the code library list):

1. Turn on the device (DVD, VCR, etc.) to be controlled.
2. Press and hold Setup (the remote beeps).
3. Release Setup when you hear a second beep.
4. Press and release MODE.
5. Press and release DVD, VCR, SAT, etc.
6. Press and release CODE.
7. Press the CHANNEL UP button repeatedly until the Device to be controlled changes channel.
8. Press and release MUTE, or OK to install the code.
9. Press QUIT.

To identify a code:

1. Press and hold Setup (the remote beeps).
2. Release Setup when you hear a second beep.
3. Press and release MODE.
4. Press and release DVD, VCR, SAT, etc.
5. Press and release CODE.
6. Press and release Setup.
7. The display shows the code using the LCD digits. The 3 digits are shown in sequence for 1 second each.
8. Press QUIT.

To learn a command:

1. Press and hold Setup (the remote beeps).
2. Release Setup when you hear a second beep.
3. Press and release MODE.
4. Press and release DVD, VCR, SAT, etc.
5. Press and release LEARN.
6. Press and release the LCD Remote button that you want to store a learned button under.
7. Quickly point the top of your original remote at the bottom of the LCD remote and press and hold the original remote button that you want to learn until the LED blinks off once. To learn another button, press and release LEARN repeat from Step 6.
8. To save and exit from the Learn routine, press and release QUIT.
9. Press QUIT.

using the universal remote

Quick Setup Guide (cont'd)

To turn on your DVD, VCR, or Cable Box, etc.:

1. Press DVD, VCR, or CBL.
2. Press Power.

To clear stored learned commands under a Mode:

1. Press and hold Setup (the remote beeps).
2. Release Setup when you hear a second beep.
3. Press and release MODE.
4. Press and release DVD, VCR, SAT, etc.
5. Press and release LEARN.
6. Press and hold Setup. Release when you hear a beep.
7. Press QUIT.

To Clear ALL stored learned commands:

1. Press and hold Setup (the remote beeps).
2. Release Setup when you hear a second beep.
3. Press and release MODE.
4. Press and release any Mode button (DVD, VCR, SAT, etc.)
5. Press and hold LEARN. Release when you hear a beep.
6. Press QUIT.

To Clear all stored Learned Commands, and User Programmed Codes, i.e., return to factory defaults:

1. Press and hold Setup (the remote beeps).
2. Release Setup when you hear a second beep.
3. Press and hold Setup for approximately 5 seconds until the LED blinks on then turns off. The screen goes blank. The Default Reset is now complete and the remote will be in normal TV Mode.

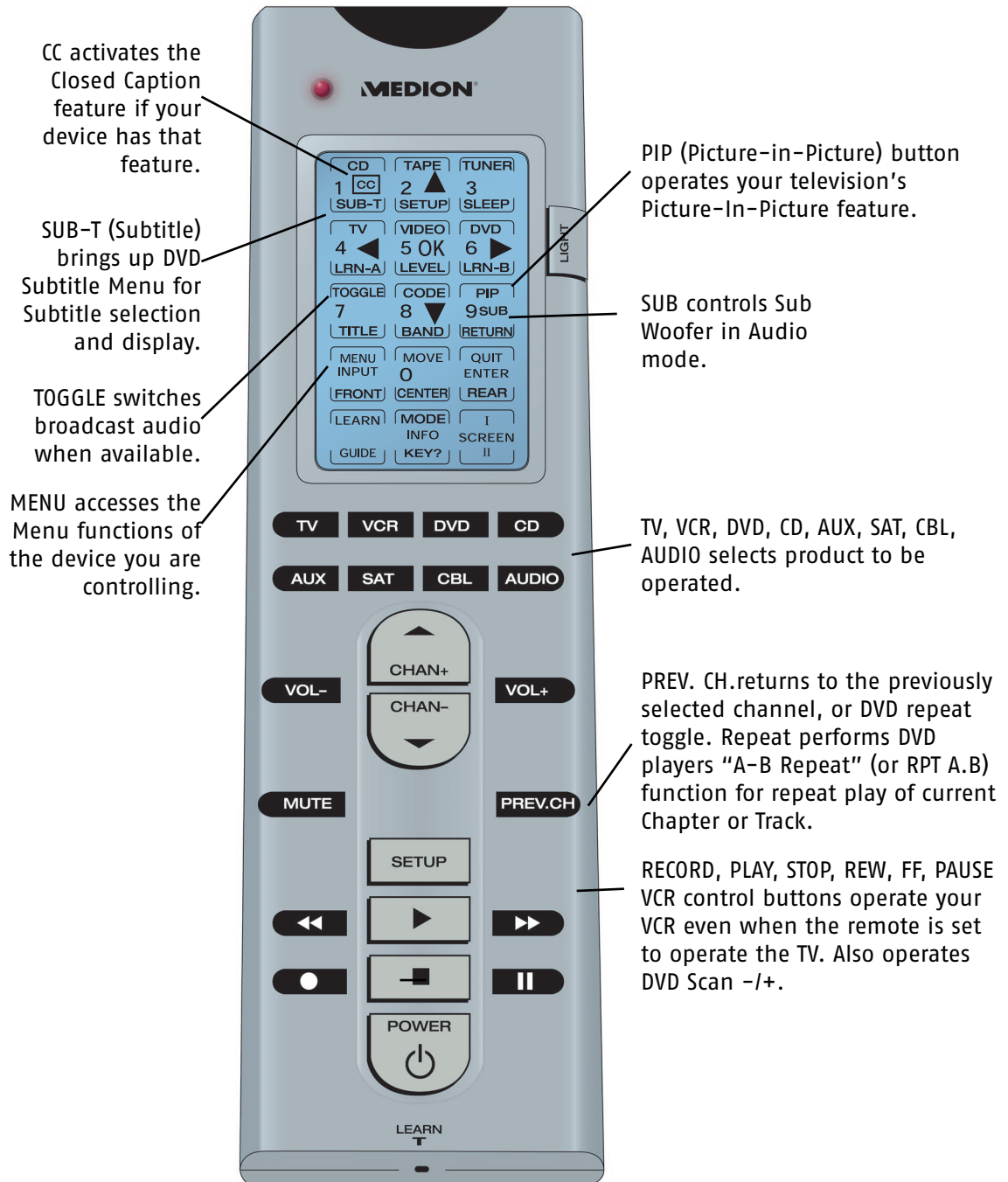
To change the name for a button:

1. Press and hold Setup (the remote beeps).
2. Release Setup when you hear a second beep.
3. Press and release MODE.
4. Press and release DVD, VCR, SAT, etc.
5. Press and release SCREEN.
6. Press any of the LCD buttons repeatedly within the current Mode to select the individual button segment display required. Press SCREEN to toggle between the two screens for that Mode.
7. To save the Label selections for the current Mode screen, press the Mute button or the Setup button.
8. Press QUIT.

Preprogrammed and Learned codes are not affected by these changes.

using the universal remote

Button/LCD Key Descriptions



using the universal remote

DVD

TITLE LCD key brings up the DVD Title Menu screen.

SUB-T (Subtitle) LCD key brings up DVD Subtitle Menu for Subtitle selection and display.

RETURN LCD key goes back to previous on-screen selection.

INFO LCD key brings up DVD Display or Control Menu for Chapter/Track/Title number, Time remaining/elapsed indication, system information, etc.

MENU LCD key brings up the DVD disc Menu screen – use with the Up, Down, Left & Right navigation buttons.

OK LCD key is used for on-screen Menu selection. Note some DVD players require the Play button to be used.

QUIT LCD key is used to Exit or Clear on-screen Menu displays.

Play hard button is used to start Disc playback and for Menu selection on some DVD players.

Stop hard button stops Disc playback.

Pause hard button will pause Disc playback – press Play to resume.

◀ and ▶ hard buttons control the speed of Fast Forward and Reverse Playback respectively.

PREV.CH hard button performs DVD players “A-B Repeat” (or RPT A.B) function for repeat play of current Chapter or Track.

SAT

GUIDE LCD key displays on-screen Satellite Channel Guide.

INFO LCD key brings up Satellite Display screen for current Channel and system information.

MENU LCD key brings up the Satellite Menu screen – use with the Up, Down, Left & Right navigation buttons.

OK LCD key is used for on-screen Menu selection.

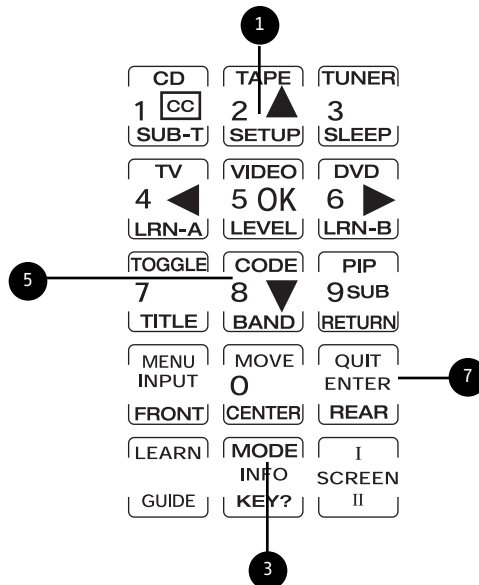
QUIT LCD key is used to Exit or Clear on-screen Menu displays.

INPUT LCD key performs the Satellite TV/SAT function.

using the universal remote

Direct Library Code Entry

To enter Codes directly from Library Code Tables using the Setup button. When a valid code is entered for a Mode, that Mode is reset to its Default Button Label screen and any learned functions for that Mode are deleted i.e., the Mode is reset back to its power-on default configuration.



1. Press and hold Setup button until the LED remains on (after approximately 2–3 seconds) and the display shows the Main Setup Screen.
2. Release the Setup button.
3. Press and release MODE. The LED blinks off once.
4. Press and release the desired Mode button (DVD, VCR, SAT, etc.) on the rubber keypad. The LED blinks off once.
5. Press and release CODE. The LED blinks off once.
6. Enter the 3 digit Code from the Library Code Tables using the LCD number buttons. For a valid code, the LED blinks off after the last digit is entered. For an invalid code, the LED flashes three times before going off. In both cases, the display returns to the Main Setup Screen.
7. Press QUIT.

using the universal remote

Code Search

If you can't find the code for your brand of product in the code list, you can search the entire Code Library for a particular device that might not be listed in the code list or is listed under a different manufacturer. When a valid code is entered for a Mode, the Default Button Label screen is used and any learned functions are deleted for that Mode i.e., the Mode is reset back to its power-on default setting.

1. Turn on the device (DVD, VCR, etc.) to be controlled.
2. Press and hold Setup until the LED remains on (after approximately 2–3 seconds) and the display shows the Main Setup Screen.
3. Release the Setup button.
4. Press and release MODE. The LED blinks off once.
5. Press and release desired Mode button (DVD, VCR, SAT, etc.) on the rubber keypad. The LED blinks off once.
6. Press and release CODE. The LED blinks off once.
7. Press the CHANNEL UP button (or POWER or PLAY) on the rubber keypad repeatedly until the device to be controlled changes channel. If you overshoot the code required, press the CHANNEL DOWN button to backtrack through the Library. Press CHANNEL UP to change direction to forward again.
8. When the device to be controlled changes channel, press and release OK, or MUTE on the rubber keypad to install the code.
9. Press QUIT.

If the Device does not have a Channel Up button, use the Play (VCR or DVD only) or the Power button instead. Code Search starts from the currently stored code number under that Mode.

Reverse Code Search: It is possible to start a manual Code Search in the reverse direction by pressing the CHANNEL DOWN button instead of the CHANNEL UP button.

Code Identification

Lets you identify codes installed in the remote.

1. Press and hold Setup until the LED remains on (after approximately 2–3 seconds) and the display show the Main Setup Screen.
2. Release the Setup button.
3. Press and release MODE. The LED blinks off once.
4. Press and release the desired Mode button (DVD, VCR, SAT, etc.) on the rubber keypad. The LED blinks off once.
5. Press and release CODE. The LED blinks off once.
6. Press and release the Setup button. The LED blinks off once.
7. The display shows the code using the LCD digits. The 3digits are shown in sequence for 1 second each. The LED blinks off for each digit displayed. This sequence is only performed once then the display returns to the Main Setup Screen.
8. Press QUIT.

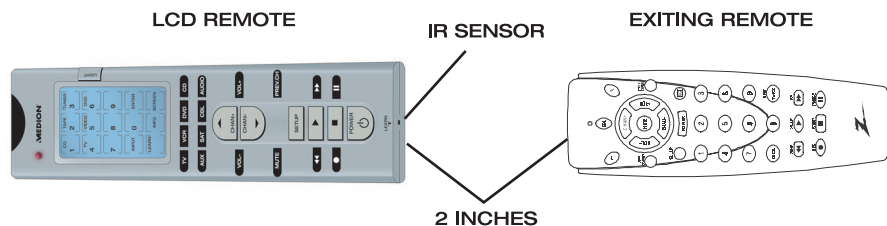
using the universal remote

Code Learning

You can teach the LCD Remote to learn commands from your existing remotes. The Remote can store original remote commands consisting of up to 40 buttons each per Mode. Only one original remote type can be stored under any one Mode (see Tips on Learning). The Remote can also be pre-programmed with one of the library codes and then have learned buttons "overlaid" in button positions of your choice.

Tips on Learning

1. Use fresh batteries for both the LCD remote and your original remote(s).
2. It is recommended that you perform a Master Reset before attempting any learning. Note this will reset all user programming back to factory defaults.
3. Place the original remote to the rear of the LCD remote so that the IR LED on the front of the original remote is in line with the LCD remote's IR sensor, located below the hard button area. See diagram below.



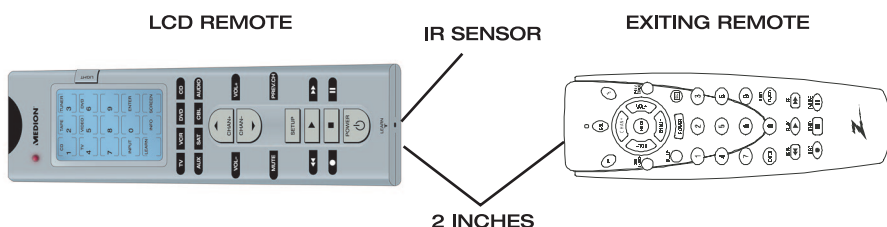
4. Keep the distance between the two remotes to approximately 2 inches.
5. Experiment by learning 2 or 3 buttons initially (to ensure compatibility and familiarity) and then carry out a Master Reset before completely learning your original remote's keyboard.
6. Do not attempt to learn directly under an incandescent or low-voltage light as these can cause interference with the IR transmissions. Keep at least three feet away from any such light sources.
7. When learning a button, do not release the button being learned until the LED remains on and the LCD display returns (this can take 2-3 seconds).

using the universal remote

To Learn Commands

No functions can be stored under the LEARN, SLEEP, Setup, TV, VCR, DVD, CD AUX, SAT, CBL, or AUDIO buttons, or the SCREEN button.

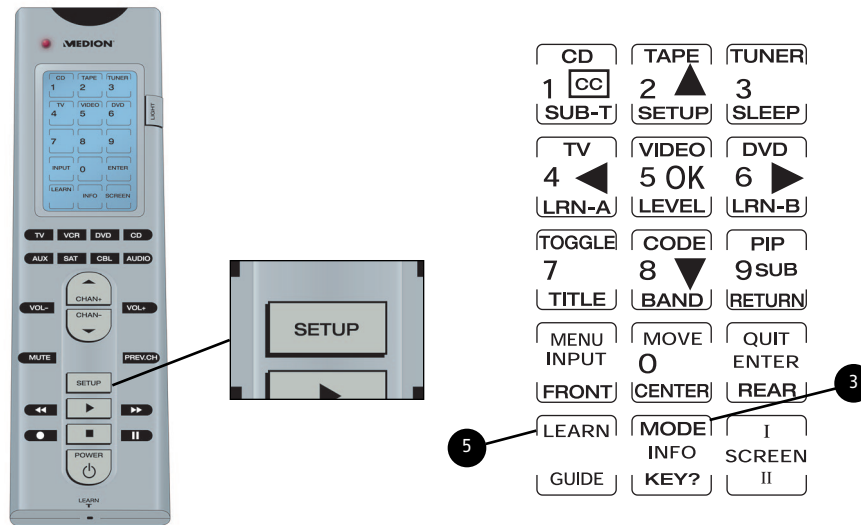
Gather all the remotes that you want to learn “from” and have them all lined up on your coffee table side by side. Place the LCD Remote in front of your existing remotes so that the top of your existing remotes point at the bottom of the LCD Remote. You can then slide the LCD Remote along the line of remotes as you learn commands from each of them in turn, making sure that you keep about 2 inches in between the remote you are learning from and the LCD Remote.



1. Press and hold the Setup button until the LED remains on (after approximately 2–3 seconds) and the display shows the Main Setup Screen.
2. Release the Setup button.
3. Press and release MODE. The LED blinks off once.
4. Press and release desired Mode button (DVD, VCR, SAT, etc.) on the rubber keypad. The LED blinks off once.
5. Press and release LEARN. The LED blinks off once. The screen shows the current screen labels for that Mode. The SETUP and LEARN labels are also shown.
6. Press and release the LCD Remote button that you want to store a learned function under. Press SCREEN to toggle the screen labels displayed. The LED blinks off.
7. The display now shows a blank screen with just SETUP and LEARN labels. Press and hold the original remote button that you want to learn until the LED blinks off and the LEARN/QUIT key screen is displayed (this process can take up to 2 or 3 seconds to complete). To learn another button, press and release the LEARN key (on the LEARN/QUIT key screen) and repeat from Step 6. If there is a problem with learning the LED flashes three times. Go back to Step 6. If problems persist learning a particular remote, try clearing the learned commands under that Mode (see page 37) and start again. To abort learning, press Setup once and return to the Main Setup screen (i.e. back to step 3).
8. To save and exit from the Learn routine press QUIT. The display returns to the Main Setup Screen.
9. Press QUIT. Learning is now complete.

using the universal remote

To Clear stored Learned Commands under a Mode



1. Press and hold the Setup button until the LED remains on (after approximately 2–3 seconds) and the display shows the Main Setup Screen.
2. Release the Setup button.
3. Press and release MODE. The LED blinks off once.
4. Press and release desired Mode button (DVD, VCR, SAT, etc.) on the rubber keypad. The LED blinks off once.
5. Press and release LEARN. The LED blinks off once.
6. Press and hold Setup until the Main Setup Screen is displayed.
7. Press QUIT.

All Learned Command entries under that Mode are now cleared.

To Clear ALL stored Learned Commands

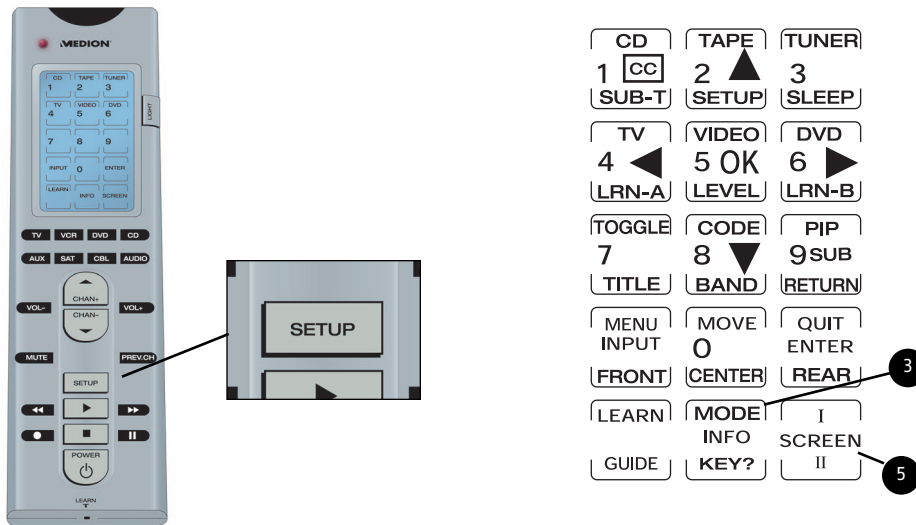
Clears all stored Learned Commands in the Remote (recommended before first time learning).

1. Press and hold the Setup button until the LED remains on (after approximately 2–3 seconds) and the display shows the Main Setup Screen.
2. Release the Setup button.
3. Press and release MODE. The LED blinks off once.
4. Press and release any Mode button (DVD, VCR, SAT, etc.) on the rubber keypad. The LED blinks off once.
5. Press and hold LEARN until the Main Setup Screen is displayed (after approx. 5 seconds).
6. Press QUIT.

All Learned Commands are now cleared.

using the universal remote

Changing Button Labels



Lets you select which buttons and individual button label segments are shown in the display. You can select any LCD button for change except the SCREEN button. Each button can use any one of the available labels. Each button allows just the "frame" to be shown. You can even completely hide a button.

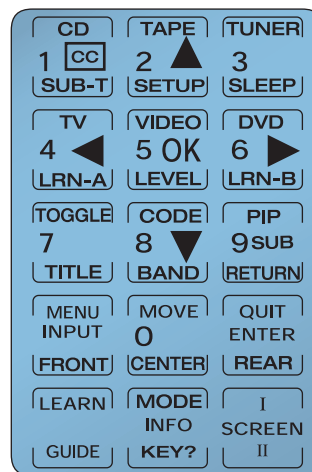
1. Press and hold the Setup button until the LED remains on (after approximately 2-3 seconds) and the display shows the Main Setup Screen.
2. Release the Setup button.
3. Press and release MODE. The LED blinks off once.
4. Press and release desired Mode button (DVD, VCR, SAT, etc.) on the rubber keypad. The LED blinks off once.
5. Press and release SCREEN. The LED blinks off once. The display shows the current labels for that Mode (Note this might not be the Default Labels). The SETUP and SCREEN labels are also shown.
6. Press any of the LCD buttons multiple times within the current Mode to select the individual button label required. (Use SCREEN to toggle between the two screens for that mode). The LED blinks off to indicate each button keypress acceptance.
7. To save the Label change selections, press the Mute button or the Setup button. This then returns to the Main Setup Screen.
8. Press QUIT.

The Button Label change routine is now complete. Preprogrammed and Learned codes are not affected by these changes.

Restoring Default Button Labels

1. Press and hold the Setup button until the LED remains on (after approximately 2–3 seconds) and the display shows the Main Setup Screen.
2. Release the Setup button.
3. Press and release MODE. The LED blinks off once.
4. Press and release desired Mode button (DVD, VCR, SAT, etc.) on the rubber keypad. The LED blinks off once.
5. Press and release SCREEN. The LED blinks off once.
6. The display shows the current labels for that Mode. The SETUP and SCREEN labels are also shown.
7. To reset the current Mode button labels back to their Default settings, press and hold the current Mode button (DVD, VCR, SAT, etc.) on the rubber keypad until the Main Setup Screen is shown.
8. Press QUIT.

The display shown to the right shows ALL the possible labels, although only the options for the Mode you selected are shown at any one time.



Note:

1. Resetting the Mode button labels back to their power-on default setting, results in an automatic save for that Mode.
2. You cannot change the SCREEN button. Restoring Default Labels, cont.

ADVANCED OPTIONS/FEATURES

TV or CD/Audio Volume/Mute Punch-Through

User selectable TV or Audio Device Volume Punch-through is a feature which lets you select which device is controlled by the Volume/Mute keys. Normally other types of remotes punch-through to the device programmed under the TV Mode when the Volume/Mute keys are pressed e.g. when in DVD Mode, pressing Volume/Mute operates the TV sound. With this remote you can select TV, or one of the programmed Audio devices, as the volume punch-through target e.g. if you use your A/V Amplifier for sound then pressing Volume/Mute buttons in any Mode can control your A/V Amplifier sound.

The Mode selected for Volume punch-through control must be either TV Mode, or an AUDIO Mode programmed with a CD or Audio Device. Any other selection (VCR, DVD, CBL, SAT) is denied with an LED "error flash." The power-on default is TV Volume punch-through.

Note: When TV is the punch-through device, all CD/Audio Modes take any Volume/Mute button press commands from the CD/Audio code. All other device types punch-through to TV Volume/Mute control. When CD/Audio is the punch-through device, all Modes take any Volume/Mute button press commands from that CD/Audio code.

1. Press and hold the Setup button until the LED remains on (after approximately 2-3 seconds) and the Main Setup Screen is shown.
2. Release the Setup button.
3. Press and hold the Mode button for device you want the Volume buttons to control (e.g. AUX, or AUDIO) until the LED blinks.
4. Press QUIT.

The Default Volume Control is now set for that Mode.

VCR/DVD Punch-Through

This remote lets you Punch-through to the last VCR or DVD device used. Normally other types of remotes only punch-through (from another Mode) on the 6 VCR carriage keys, to the device programmed under the VCR Mode key. This is not much use if you are using a DVD programmed under a Mode other than VCR. This remote punches-through to the last VCR or DVD device you used. For example, if you have 3 DVD/VCR devices programmed into this remote, the last one you accessed on the remote will be the one that has control of the 6 VCR/DVD keys when in any other mode.

VCR Record

In VCR Mode (including punch-through), the Record button has to be pressed twice before the command is sent. This is also true if a VCR type is programmed under any other Mode. The exceptions are for DVD and SAT codes where the Record button transmits the command after only a single press of the Record button. In any CD/Audio Mode, the Record button must also be pressed twice.

LCD Panel and Backlight On-Time

The LCD Panel and Backlighting remain on for a user-selectable time period (10, 20, 30,.....90 seconds). The power-on default is 10 seconds from the last button press. To change the LCD/Backlight On-time:

1. Press and hold the Setup button until the LED remains on (after approximately 2–3 seconds) and the Main Setup Screen is shown.
2. Release the Setup button.
3. Press the Setup button again, and release.
4. Press and release a digit key 1–9 (1=10 seconds, 2=20 seconds, etc.). The LED blinks.
5. Press and release ENTER (or Mute on the rubber keypad) to save the setting. The display shows the Main Setup Screen.
6. Press QUIT.

LCD/Backlight On-time setting is now complete.

Button Press Acknowledge Beep Feature

When any button is pressed, an audible beep is heard to acknowledge the button press. This beep can be toggled on or off. The default state is enabled (ON). To change this:

1. Press and hold the Setup button until the LED remains on (after approximately 2–3 seconds) and the Main Setup Screen is shown.
2. Release the Setup button.
3. Press and hold MUTE until the LED blinks.
4. Press QUIT.

The Beep Feature is now toggled OFF and Main Setup Screen is shown. Repeat above steps to toggle back ON.

Advanced Options/Features

Mode Assignments

Code types are assigned as follows:

Mode	TV	VCR/DVD	CBL	SAT	AUDIO/CD
Equipment	Television	VCR	Cable	Satellite	CD
	Projector	LD		DBS	Amplifier
		DVD		STB	Tuner
		PVR		DTV	Tape
				Web TV	A/V Recr.
					MD

using the universal remote

INPUT LCD Key

The INPUT button performs the TV/VCR antenna switch function when in VCR Mode.

The INPUT button performs the A.B switch function when in Cable Mode.

The INPUT button performs the TV/SAT switch function when in SAT Mode.

The INPUT button performs the Input source switch function when in TV Mode.

The INPUT button performs nonspecific functions when in Audio Mode.

Product Operation

After the batteries are installed and you have programmed the remote for the codes that operate your products, you can use your remote to operate a VCR, Cable Box, DVD Player, or Satellite System, etc.

TV (Press TV First)

VCR (Press VCR First)

DVD Player (Press DVD first)

Cable Box (Press CBL first)

Satellite System (Press SAT first)

To Operate:

1. Press the TV, VCR, DVD, CBL, etc. button (depending on which product you want to operate).
2. Aim the remote at the product.
3. Press POWER to turn on the product.
4. Press other buttons to operate the features of your product.

TROUBLESHOOTING—TELEVISION

Below you can find some troubleshooting tips and solutions. If you encounter any problems, please go through this helpful list before you contact your dealer.

No picture or sound	<ul style="list-style-type: none"> • Make sure the power cord is properly connected to the power outlet. • Make sure the main power switch (located beside the AC inlet) is in the ON position. • Make sure you pressed the POWER or SOURCE buttons (including TV, AV, SV, Component Video (YPbPr), VGA/DVI) on the remote control or on the LCD TV front panel. The power indicator turns blue. • Make sure the source you selected is properly connected to the LCD TV. • Check the picture brightness and contrast settings in the onscreen menu. • Check the volume level.
Picture is normal but no sound	<ul style="list-style-type: none"> • Make sure sound is not set to MUTE. • Increase the volume. • Make sure the audio source is properly connected to the LCD TV.
Picture is black and white	<ul style="list-style-type: none"> • Make sure the equipment you connected provides the signals that conform to the same standard (NTSC).
Poor reception	<ul style="list-style-type: none"> • Make sure the antenna is properly connected to the LCD TV. • Check the direction and location of the antenna. An indoor antenna will result in poor reception.
Picture is too bright or dark	<ul style="list-style-type: none"> • Check the picture brightness and contrast settings in the onscreen menu.
TV is locked	<ul style="list-style-type: none"> • Make sure the child lock password is correct. • If you forget the password, press the MENU button on the touch screen of the universal remote control and select ADVANCED; using the ▲▼ buttons on the touch screen of the universal remote control, highlight FACTORY RESET and press the ► button select YES. This resets the LCD TV settings to their factory-default values.

troubleshooting

Video and audio is abnormal	<ul style="list-style-type: none">• Press the MENU button on the touch screen of the universal remote control and select ADVANCED; using the ▲▼ buttons on the touch screen of the universal remote control, highlight FACTORY RESET and press the ► button select YES. This resets the LCD TV settings to their factory-default values.
Remote control malfunctions	<ul style="list-style-type: none">• Replace the batteries in the remote control.
VGA/DVI mode malfunctions	<ul style="list-style-type: none">• Make sure the computer is set to a supported resolution. See the table on page 47.• Press the MENU button on the touch screen of the universal remote control; using the ▲▼ buttons on the touch screen of the universal remote control, highlight VGA/DVI ADJ, and set to AUTO.CONFIG. This will optimize video settings such as position, color and brightness.• Make sure the audio cable is connected between the LCD TV and the VGA/DVI, if there is no sound.
PIP (Picture-In-Picture) mode does not work	<ul style="list-style-type: none">• Make sure that multiple sources are connected to the LCD TV.• Make sure that main display and PIP window sources are in the possible PIP combinations. See the table on page 48.
Subwoofer does not work	<ul style="list-style-type: none">• Make sure the cables are connected to the correct input/output connectors.
Power indicator flashes/blinks	<ul style="list-style-type: none">• The VGA/DVI may be in standby mode. Exit VGA/DVI standby mode to turn on the LCD TV.

TROUBLESHOOTING—REMOTE

LCD does not show anything when you touch it, or press the Setup button	<ul style="list-style-type: none">• Replace the batteries with 4 new AAA alkaline batteries.• Check batteries are properly installed.
The remote does not operate your audio or video devices	<ul style="list-style-type: none">• Try all code programming procedures with all the codes from the appropriate part of the Library Code Tables.• Wrong distance or angle? The remote functions from a distance of 20 feet?
VCR not recording	<ul style="list-style-type: none">• As a safety feature on your remote, you must press REC twice.
Problems changing channels	<ul style="list-style-type: none">• If your original remote requires ENTER to be pressed after a channel is selected, press ENTER to select the channel.
IR LEARN cannot be made successfully	<ul style="list-style-type: none">• Replace batteries in the LCD Remote and the remote you are trying to learn from.• Keep the distance between the remotes to about 2 inches.• Do not learn near an incandescent lamp.

SPECIFICATIONS

Item	Specification
Display	
Screen size	27" TFT (Thin-Film Transistor) LCD TV panel
Resolution	1280 x 720 (WXGA)
Aspect ratio	16:9
Display area (HxV)	597.12 x 335.88 mm
Pixel pitch (HxV)	0.1555 x 0.4665
Colors	16.7 million
Contrast ratio	500:1
Brightness	500 Cd/m ²
Viewing angle (H/V)	170°/170°
Viewing distance	85 cm (minimum)
Response time	16ms (TR+TF)
TV	
Tuning system	NTSC-M
Demodulated video output, MTS sound output	
Video	
Video (In)	Video x 3
	S-video x 3
	YPbPr x 1
	VGA 15-pin D-Sub x 1
	DVI-D or DVI x 1
Audio	
Audio (In)	Audio RCA L/R x 2
Audio (Out)	Built-in speakers, 8W x 2
	Subwoofer x 1
	Headphone: 3.5mm mini-jack x 1

Power

Power supply	Built-in, 90-264V @ 50/60Hz
Power consumption	140W
Power consumption (Standby)	< 5W

Environment

Temperature (Operating)	5°C to 35°C
Humidity (Operating ambient)	20% to 80% RH

Dimensions and weight

Dimension (W x H x D)	912.3 x 554 x 194.8 mm (with stand)
	912.3 x 494.5 x 105 mm (without stand)
Weight	17 kg (with stand)
	14.7 kg (without stand)

Accessories

User's manual, quick start guide, remote control, batteries (AAAx4), power cord, cables

List of supported VGA/DVI resolutions

	Resolution	Horizontal Sync	Vertical Sync
VGA	640 x 480	31,5 KHz	60,0 Hz
VGA	640 x 480	37,8 KHz	72,8 Hz
VGA	640 x 480	37,5 KHz	75,0 Hz
DOS	720 x 400	31,5 KHz	70,1 Hz
SVGA	800 x 600	37,9 KHz	60,3 Hz
SVGA	800 x 600	46,9 KHz	75,0 Hz
SVGA	800 x 600	48,1 KHz	72,0 Hz
MAC	832 x 624	49,7 KHz	74,6 Hz
XGA	1024 x 768	48,4 KHz	60,0 Hz
XGA	1024 x 768	56,4 KHz	70,1 Hz
XGA	1024 x 768	60,0 KHz	75,0 Hz
WXGA	1280 x 768	47,7 KHz	60,0 Hz

specifications

PIP Combinations

	TV	AV 1 CVBS	AV 2 CVBS	AV CVBS	S-Video Y/C	S-Video 2 Y/C	S-Video Y/C	YPbPr SD/HD	VGA	DVI
TV		•	•	•	•	•	•	•	•	•
AV 1 CVBS	•		•	•	•	•	•	•	•	•
AV 2 CVBS	•	•		•	•	•	•	•	•	•
AV CVBS	•	•	•		•	•	•	•	•	•
S-Video 1 Y/C	•	•	•	•		•	•	•	•	•
S-Video 2 Y/C	•	•	•	•	•		•	•	•	•
S-Video Y/C	•	•	•	•	•	•		•	•	•
YPBPR SD/HD	•	•	•	•	•	•	•			•
VGA	•	•	•	•	•	•	•			•
DVI	•	•	•	•	•	•	•	•	•	

• = Supported PIP combination

Glossary of Terms

LCD: Liquid Crystal Display. This is the “Virtual keyboard” on the remote.

LED: Light Emitting Diode, the red indicator at the top of the remote.

Button Frame: This is the square around a button in the LCD. It can have a name inside the square or the button can be just the “frame.”

Mode button: This means any button in the LCD that changes the mode that the remote is in, e.g. TV, VCR, Cable, SAT, etc.

TV Sleep Timer event: A countdown timer to turn your TV off after some specified number of minutes you set.

Punch-through: A command that “punches-through from one mode to another, e.g., TV volume can work even while the remote is in VCR mode.

Backlighting: Lights up the LCD so you can see it in the dark. Set to come on automatically in low light conditions.

Master Screen: The screen that shows all the possible button labels.

CODE LIST

VCR

ADMIRAL 224
 ADVENTURA 726
 AIKO 826
 AIWA 126 324 528 726
 AKAI 027 235 335 424 524 624 724 924
 ALLEGRO 326 534 925
 AMERICAN HIGH 130 226
 ASHA 425
 AUDIO DYNAMICS 025 436
 AUDIOVOX 525
 DAEWOO 529
 BELL & HOWELL 428
 BEAUMARK 425
 BROKSONIC 227 325 530 626 632
 CALIX 525
 CANDLE 025 026 425 525 625 725 825
 CANNON 130 226 535 635
 CAPEHART 135 534
 CARVER 330
 CCE 230 826
 CITIZEN 025 026 425 525 625 725 825 826
 COLORTIME 025
 COLT 230
 CRAIG 230 425 426 525
 CURTIS MATHES 025 124 130
 226 324 425 526 635 725
 CYBERNEX 425
 DAEWOO 026 135 625 626 726 825 826 926
 DAYTRON 135
 DBX 025 436
 DIMENSIA 124
 DYNATECH 324 726
 ELECTROHOME 027 525
 ELECTROPHONIC 525
 EMERSON 027 028 127 128 130 226 227 228
 324 325 327 427 428 525 526 527 528 625 626
 627 628 630 634 724 726 727 735 827 828 927
 FISHER 025 029 129 328 330 426 428 928
 FUJI 130 226 524
 FUNAI 324 726 924
 GARRARD 726
 GE 124 130 136 226 425 429 635 835
 GOLDSTAR 025 236 525
 GRADIENTE 726
 GO-VIDEO 139 438 537
 HARLEY DAVIDSON 726
 HARMAN KARDON 025 930
 HARWOOD 230
 HEADQUARTER 428
 HITACHI . 136 235 324 336 538 629 638 829 834
 HI-Q 426
 INSTANT REPLAY 130 226 924
 INTEQ 525
 JCL 130 226
 JC PENNEY 025 130 235 425
 428 436 525 629 635 834 935
 JENSEN 235 629

JVC 025 235 239 326 339 428 436
 KENWOOD 025 235 428 436 725
 KLH 230 237
 KODAK 130 226 525
 LLOYD 324 726
 LOGIK 230
 LXI 525
 MAGNAVOX 130 226 330 534 536 635 734
 MAGNIN 425
 MARANTZ 025 130 226 330
 428 436 530 535 725
 MARTA 525
 MATSUSHITA 130 226
 MEI 130 226
 MEMOREX 130 224 226 324
 335 425 426 428 525 534 726
 MGA 027 630
 MGN TECHNOLOGY 425
 MIDLAND 429
 MINOLTA 629 834
 MITSUBISHI 027 031 131 229 231 329
 431 436 531 629 630 730 930
 MONTGOMERY WARD 224 631
 MOTOROLA 130 224 226
 MTC 324 425 726
 MULTITECH 324 425
 726 429 230
 NEC 025 235 428 526 530
 725 731 831 931 436
 NIKKO 525
 NOBLEX 425
 OLYMPUS 130 226
 OPTIMUS 035 224 525 537 737 837 937
 OPTONICA 537 631
 ORION 227
 PANASONIC ... 035 039 130 226 635 636 937 938
 PENTAX 136 629 725 834
 PENTEX RESEARCH 025
 PHILCO 130 226 330 635
 PHILIPS 130 226 330 430 434
 439 536 631 734 738 934 937
 PHILIPS/MAGNAVOX 434 934
 PILOT 525
 PIONEER 132 232 436 629
 PORTLAND 026 135 725 825
 PROSCAN 124
 PROTEC 230
 PULSAR 534
 QUARTER 428
 QUARTZ 428
 QUASAR 039 130 635 636 937
 RCA 033 124 130 133 136 226
 233 332 424 425 432 532 629
 636 732 832 834 835 837 932
 RADIOSHACK . 027 029 035 124 129 130 224 226
 324 335 425 426 428 525
 631 635 726 737 835 837 937
 RADIX 525

product codes

RANDEX	525
REALISTIC	027 029 035 124 129
.....	130 224 226 324 335 425 426
.....	428 525 631 635 726 737 837 937
REPLAY	938
RICOH	936
RUNCO	534
SAMSUNG 037 335 425 427 429 537 624 625 629	
SANKY	224 534
SANSUI	235 333 436
SANYO	328 425 426 428
SCOTT	325 327 433 625
.....	626 630 735 927
SEARS	029 129 130 226 330 426
.....	428 525 629 834 928 935
SHARP	027 224 324 338 631 637 737 825
SHINTOM	230 337 524 629 936
SHOGUN	425
SIGNATURE	324
SINGER	130 226 230
SONY	034 038 138 238 524 838 936
STS	130 226 629 834
SYLVANIA	130 324 330 536 630 635 726
SYMPHONIC	225 324 726
TANDY	324 428
TASHIKO	525
TATUNG	235
TEAC	235 324 726
TECHNICS	035 130 226
TEKNIKA	130 134 226 324 525 726
TIVO	738 838
TOSHIBA	029 330 433 625 629 630 735
TOTEVISION	425 525
TMK	425 526 828
UNITECH	425
VECTOR RESEARCH	025 436 625 725
VICTOR.....	436
VIDEO CONCEPTS	025 027 436 625 725
VIDEOSONIC	425
WARDS	027 130 224 226 230 234 324 425
.....	426 525 625 629 631 726 735 834
WHITE WESTINGHOUSE	324 924
XR-1000	130 226 230 726
YAMAHA	025 235 428 436
ZENITH	030 036 125 326 436 437 524 525
.....	534 632 638 729 824 925 929 936

Cable

ABC	048 148 248 348 747 847 947
ALLEGRO	054 154
AMERICAST	354
ANTRONIX	448 548
ARCHER	448 548 648 748
AT&T	752
CABLETENNA	448
CABLEVIEW	448
CENTURY	748
CITIZEN	748
COLOUR VOICE	848 948
COMTRONICS	049 149
CONTEC/CONY	249
EASTERN	349
GARRARD	748
GC ELECTRONICS	548
GEMINI	449 549

GE	556
GENERAL INSTRUMENT	053 453 454 552 554
.....	654 752 754 947 952
HAMLIN	649 749 849
HITACHI	947
HYTEX	847
JASCO	748
JERROLD	048 050 148 254 348 449
.....	454 552 554 652 747 752 947
MAGNAVOX	150
MEMOREX	250
MOVIE TIME	350 847
NSC	350 847
OAK	249 550 847
PACE	854
PANASONIC	452 647
PARAGON	250
PHILIPS	150 549 650 748 750 848 850 948
PIONEER	051 451 950
PULSAR	250
RADIO SHACK	055 152 154
RCA	352 647
REALISTIC	548
REGAL	849
REGENCY	349
REMBRANDT	947
RUNCO	250
SAMSUNG	049 051
SCIENTIFIC ATLANTA	248 251 351 451
SIGNAL	049 449
SIGNATURE	947
SL MARX	049
SPRUCER	647
STANDARD COMPONENTS	551
STARCOM	348 449 747
STARGATE	049 449
STAR SIGHT	653
STAR SIGHT CABLE SERVICE	352
STARQUEST	449
STAR TRAK	253
TANDY	651
TELEVIEW	049
TELEWEST	854
TEXSCAN	551
TOCOM	048 751 952
TOSHIBA	250
TUSA	449
TV86	350
UNIKA	448 548 748
UNITED ARTISTS	847
UNITED CABLE	747
UNIVERSAL	448 548 648 748 851
VIDEOWAY	052
VIEWSTAR	149 150 350 651
VIDEO TECH	656
ZENITH	054 154 250 353 354
.....	450 553 653 753 853 951 953 954

SAT

AMPLICA	159
CHANNEL MASTER	359 459 559
CHAPPARAL	657 659 757
CHEYENNE	757
DRAKE	059 360 857
DISH NETWORK	067 366 460 464 560 660 962

DX ANTENNA	458 859
ECHOSPHERE	464
ECHOSTAR	067 366 460 464 560 660 962
EXPRESSVU	464
FUJITSU	760 860
GE	265 863
GENERAL INSTRUMENTS	058 066 158 166
.....	258 665 865 960 965
HITACHI DSS	765 864
HUGHES SATELLITE DSS	465 564 664 864 964
JANEIL	261
JERROLD	361
JVC	466
KENWOOD	461
LUXOR	561
MAGNAVOX DSS	259 565 862
MACOM STATE	661
NORSTAT	761 861
PACE	063 163 266
PANASONIC DSS	260 264
PRIMESTAR	364 665
PHILIPS	259 565 862
PHILIPS/MAGNAVOX	259 565 862
PIONEER	060
PROSCAN	265 863
RCA DSS	566 265 866 966
REALISTIC	358 961
SAMSUNG	061
SCIENTIFIC ATLANTA	362
SHARP	062
SIERRA I II III	757
SONY DSS	160 963
STARCHOICE	364 665
STAR SIGHT	964
STAR TRAK	462
STS	458 558 658 758
SUPER GUIDE	562
THOMSON	063
TOSHIBA	858
TOSHIBA DSS	064 164 764
UNIDEN	762 958
UNIDEN DSS	964
VIDEO CIPHER II	059
ZENITH	059 065 163 165 266 360 857 957

DVD

AIWA	043
AKAI	141
APEX	044
DAEWOO	046 645 745
DENON	641 743
ELTA	045 145
EMERSON	241
FISHER	243
GE	644
GO-VIDEO	244 342
HITACHI	042 543 545
HARMAN/KARDON	344
JVC	242 443
INTEGRA	843
KENWOOD	544 641
KONKA	642 742 842 942
MAGNAVOX	441 442
MARANTZ	441 442
MICROSOFT X-BOX	542

MITSUBISHI	841
MUSTEK	744
NAD	944
NAKAMICHI	844
ONKYO	843
OPTIMUS	042 545
ORITRON	143
PANASONIC	641 741
PHILIPS	441 442 943
PIONEER	042 545
PROSCAN	941
RADIOSHACK	835 945
RCA	644 835 941 945
SAMSUNG	342
SAMPO	343
SEG	444
SHARP	341
SHERWOOD	144
SHINCO	644
SONY	541
SONY PS2	086 841
TEAC	042 545
THETA DIGITAL	042 545
TOSHIBA	245 411
WHARFEDALE	845
YAMAHA	641 643
YAMAKAWA	445
ZENITH	142 241 345

Laser Disc

DENON	132
PIONEER	132
PROSCAN	432
RCA	432
SANYO	824
SONY	933
ZENITH	824

CD

ADC	667
ADCOM	073 767
AIWA	787 867 885 967
AKAI	173 375 684
AUDIO TECHNICA	168
CALIFORNIA AUDIO LABS	273
CAPETRONIC	568
CARVER	184 268 368 468
CASIO	379
CITIZEN	284
CURTIS MATHES	379
DENON	668
EMERSON	767 868 968
FISHER	169 269 368 369 473
GE	174
GENEXXA	469 573 868 968
GOLDSTAR	673
HARMAN KARDON	669 770
HITACHI	469
INKEL	769
JC PENNEY	379 670
JVC	869 982
KENWOOD	070 170 374 474 484 969
KRELL	268
KYOCERA	667
LUXMAN	270 370 475 574

product codes

LXI 379 868
 MAGNAVOX 268 681 774
 MARANTZ 268 470 570 874
 MCS 379 670
 MGA 770
 MISSION 268
 MITSUBISHI 770 870
 NAD 773 975
 NAKAMICHI 071 784 970
 NEC 670
 NIKKO 168 269 968
 NSM 268
 ONKYO 171 271 782 873
 OPTIMUS 070 076 368 371 376
 468 469 471 571 671 776 868
 PANASONIC 273 675 974
 PHILIPS 184 268 774
 PIONEER 289 385 469 573 676 771 871
 PROTON 268
 QUASAR 273
 RADIOSHACK 089 272 289 468 571 676
 RCA 086 089 181 289 368 676 767 868 971 973
 988
 REALISTIC 368 371 469 568 570 571 767 868 968
 ROTEL 268
 SAE 268
 SAMSUNG 775
 SANSUI 072 075 268 868 973
 SANYO 172 175 368 473 875
 SCOTT 767 868 968
 SEARS 070 379 570 868
 SHARP 070 569 570
 SHERWOOD 272 471 570 587 769
 SHURE 670
 SONY 081 372 472 681 880
 STS 667
 SYLVANIA 268
 SYMPHONIC 572
 TEAC 269 287 570 571 572 672 772
 TECHNICS 273 683 887 974

THETA DIGITAL 774
 TOSHIBA 773
 VICTOR 869
 YAMAHA 074 168 286 872 972
 ZENITH 080 269 577 674 686

Audio

AIWA 585 687 786 885
 CARVER 184
 CITIZEN 284
 DENON 383 981
 FISHER 083 783
 GOLDSTAR 278
 HARMAN KARDON 082 483
 JVC 583 680 982
 KENWOOD 283 482 484 884 969
 MAGNAVOX 083 281
 MARANTZ 084 470
 NAD 575 773 975
 ONKYO 182 782 882
 OPTIMUS 077 368 376 476
 576 676 776 876 980
 PANASONIC 183 682
 PHILIPS 083 084 184 983
 PIONEER 288 385 388 489
 RADIOSHACK 077 188 189 272 282
 288 388 489 589 980 985
 RCA 181 189 288 373 384 388
 489 589 688 779 788 878 888
 REALISTIC 883
 SANYO 172
 SCOTT 478
 SHARP 070 582 768
 SHERWOOD 272 282 487 587
 SONY 085 180 185 285 381 479 481 581 984 985
 TEAC 187 287 382 387 672
 TECHNICS 088 183 682 780 983 987
 VENTURER 176
 YAMAHA 2 86 386 485 486 586 685 781 785 881
 ZENITH .. 080 083 178 269 278 576 577 674 686

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Limited warranty repair or replacement shall not extend the original limited warranty period of the defective product. This limited warranty does not cover any supplies or accessories.

EXCLUSIONS: this limited warranty does not apply, and you will have no remedy hereunder with respect to (a) products that have been modified, opened, repaired or otherwise altered, except by MEDION or an ASF, (b) products that have been damaged or destroyed after delivery to the customer, (c) any third party software, interfaces, parts, supplies, peripherals or other products or any defects resulting from use of the product in connection with such third party products, (d) defects resulting from improper or inadequate maintenance, calibration or site preparation, (e) defects resulting from any misuse, abuse, accident, neglect, negligence or any use other than in accordance with the handling or operating instructions provided by MEDION, (f) defects resulting from exposure to unusual physical or electrical stress or from any operation other than in accordance with the published environmental specifications for the product.

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MEDION's limited warranty is valid in any country or locality where MEDION has a support presence for this product and where MEDION has marketed this product. The level of warranty service you receive may vary according to local standards. MEDION will not alter form, fit or function of the product to make it operate in a country for which it was never intended to function.

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warranty

AND TO OTHERS AND THEIR PROPERTY ARISING OUT OF USE OR MISUSE OF, OR INABILITY TO USE THE PRODUCT NOT CAUSED DIRECTLY BY THE NEGLIGENCE OF MEDION. Some countries, states or provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

THE WARRANTY TERMS CONTAINED IN THIS STATEMENT, EXCEPT AS LAWFULLY PERMITTED, DO NOT EXCLUDE, RESTRICT OR MODIFY AND ARE IN ADDITION TO THE MANDATORY STATUTORY RIGHTS APPLICABLE TO THE SALE OF THIS PRODUCT TO YOU.

Please note the following:

Be sure to keep your purchase receipt in a safe place. MEDION, at its option, may require a copy of the receipt to validate the warranty period effective date (i.e. date of purchase). Warranty liability only applies to material or factory faults. It does not apply to damage due to breakage, for example, a crack in the housing. Our service includes unit exchange or send-in repair:

Unit Exchange

In locations where Unit Exchange is available, MEDION will send you a replacement product. You must return the defective product to MEDION (using the shipping carton that the new one came in.)

Send-In Repairs

In locations where Send-In Repair Service is available, repair service can be obtained by shipping your product to the MEDION Repair Center. The product will be repaired and returned to you.

Replacement products may be either new or equivalent in performance to new. MEDION replacement or repaired products may contain remanufactured parts equivalent to new in performance or may have been subject to incidental use.

Out-of-Warranty Support

In addition to providing free technical support during the warranty period, MEDION is also available to support your product after the warranty period has ended. This out-of-warranty support will be provided on a fee basis.

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