



ZRF1



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Congratulations on your purchase of a Zenith Universal Remote Control. Zenith Universal Remotes let you replace a broken or lost remote or combine more than one remote into one.

This remote control operates the common features of most but not all models and brands of IR Infrared Controlled Video Equipment. This remote may provide functions that are not available on your equipment. Some functions of your particular equipment (e.g. menu functions) may not be controlled by this remote. In such cases, use the original remote control for your equipment. Please use this manual to become familiar with your Zenith Universal Remote. After you are familiar with your remote the first thing you need to do is to install batteries and setup your remote for your particular product and brand.

Introduction

The remote also transmits wireless Radio Frequency (RF) commands. The wireless receiver (included) receives these commands and converts them to regular Infrared (IR) commands. These IR commands are then emitted from the IR Extender (also included) to control your A/V components. This lets you control your A/V components from ANY room in your home - you don't need to aim the remote at your component!

Thank you for buying a Zenith remote and we hope it will give you many years of service.

FCC Caution

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 generates and uses radio frequency energy, and if not installed and used properly, that is, in strict accordance with the manufacturers instructions, it may cause interference to radio and television reception. It has been type tested and found to comply with the limits for remote control devices in accordance with the specifications in Sub-Parts B and C of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by unplugging the equipment, try to correct the interference by one or more of the following measures.

- Reorient the antenna of the radio/TV experiencing the interference.
- Relocate the interface with respect to the radio/TV.
- Move the interface away from the radio/TV.
- Plug the interface into an outlet on a different electrical circuit from the radio/TV experiencing the interference.
- If necessary, consult your local Dealer for additional suggestions.

NOTE: Modifications to any of the components in this kit will void the user's authority to operate this equipment.

Setup

Battery Installation

1. On the back of the remote, push down on the tab and lift the cover off.
2. Match the batteries to the + and - marks inside the battery case, then insert 2 AAA Alkaline batteries.
3. Press the battery cover back into place.

Battery Saver

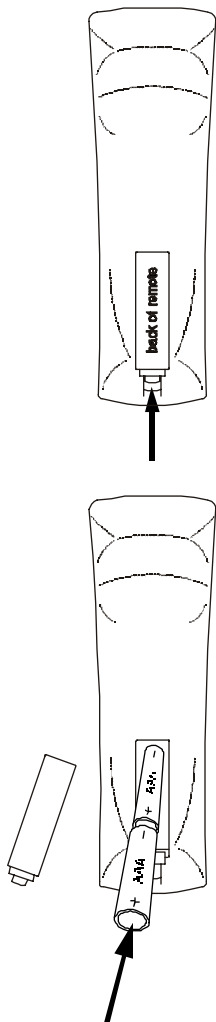
Your remote automatically turns off if the buttons are depressed more than 30 seconds. This will save your batteries should your remote get stuck in a place where the buttons remain depressed (e.g., between the sofa cushions).

Code Saver

You will have up to 10 minutes to change the batteries in your remote without losing codes you have programmed. However, do not press any buttons until batteries are installed in the remote. If buttons are pressed without batteries in the remote, all codes will be lost.

Power-On Default

The remote powers on in SAT mode.



Setup, cont.

TV Volume/Mute Punch-Through Feature

The TV Volume/Mute punch-through feature lets you control the Volume and Mute function of your TV in any mode programmed to be a VCR, DVD, CABLE or SAT device, without needing to change to TV mode.

VCR/DVD Punch-Through Feature

Punch-through to VCR/DVD mode i.e. the 6 keys (**PLAY**, **PAUSE**, **STOP**, **FF**, **REWIND**, and **REC**) is only allowed in modes programmed for TV or Cable codes.

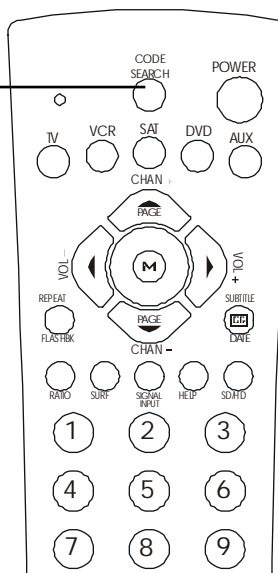
Code Setup

The **CODE SEARCH** button is used to setup the remote. You can either setup the remote using the code for your brand of product, from the code tables (on separate sheet), or you can search through the library of codes until you find a code that works for your product.

Please refer to “Programming with Code Search” on page 13 for more information on using the code search feature to learn how to search through the library of codes for your products.

NOTE: You can store any kind of code under any mode (except TV). I.E. you can store a VCR code under the **DVD** button, or a DVD code under the **VCR** button, etc. However, you can only store TV codes under the **TV** button.

CODE SEARCH



Button Functions

Some buttons on the remote might have functions that are referred to by different names on the device you are controlling. E.G. **FLASHBK** may be called **RECALL**, or **ENTER** may be called **DISPLAY**. These differences depend on the brand and model of your product. Also, this remote can only operate features that exist on your product. E.G., your product must have **FLASHBK** ability for the **FLASHBK** button to operate this feature.

Red Indicator Lights when any button is pressed.

TV, VCR, SAT, DVD, AUX Selects product to be operated.

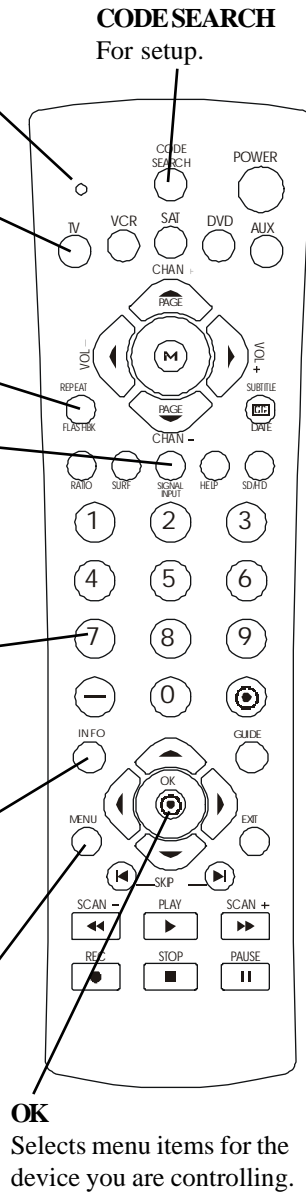
FLASHBK Returns to the previously selected channel, or DVD repeat toggle.

SIGNAL/INPUT For some TVs, press repeatedly to select from available viewing sources (antenna, cable box, VCR, etc.).

NUMBERS Enter numbers for direct channel selection. Some products require Enter to be pressed after channel selection.

INFO Displays Channel Banner information in DirecTV mode.

MENU Access the Menu functions of the device you are controlling.



Button Functions, cont.

CHANNEL UP/DOWN Changes the channels.

POWER Turns product On or Off.

VOLUME UP/DOWN Changes the volume level of the product, normally the TV.

MUTE Turns off the TV sound while the picture remains.

CC (SUBTITLE) TV Closed Caption (if your TV has this feature) or DVD Subtitle toggle.

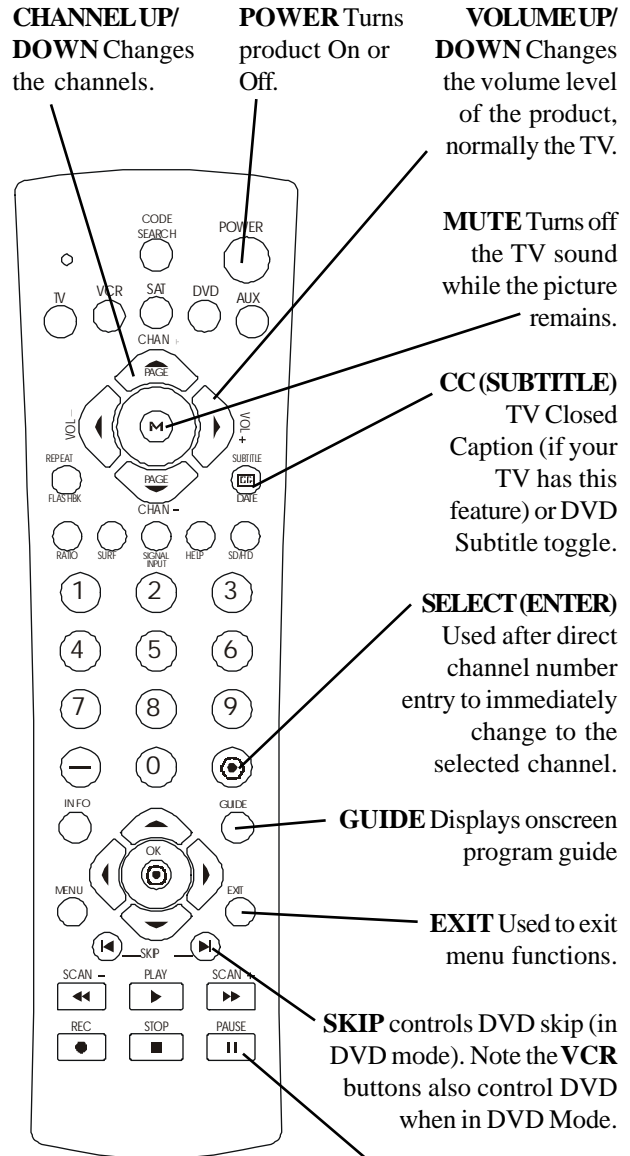
SELECT (ENTER) Used after direct channel number entry to immediately change to the selected channel.

GUIDE Displays onscreen program guide

EXIT Used to exit menu functions.

SKIP controls DVD skip (in DVD mode). Note the **VCR** buttons also control DVD when in DVD Mode.

RECORD, PLAY, STOP, REW, FF, PAUSE VCR control buttons operate your VCR even when the remote is set to operate the TV. Also operates DVD Scan +/-.



Note: The **REC** button must be pressed **TWICE** to record from your VCR. For some brands of VCRs, you might need to press the **REC** button once, then press it again for three seconds.



Advanced Functions

DASH (-) Used to enter a channel number for multiple channels such as 2-1, 2-2, etc. A broadcaster may transmit multiple programs on a single channel. Multiple programs are distinguished by a unique sub-channel number, separated by a dash (-).

SEL (SELECT) Use with numbered buttons for instant channel selection. When you press a channel number, for example 22, the receiver awaits another button press for three seconds and then tunes to 22.

SURF Shows the list of your Surf channels. A Surf channel list can contain up to 50 channels. You can return to normal viewing by pressing the **EXIT** button or by pressing the **SURF** button again.

INFO Press this button when you are watching DirecTV® programming to display the Channel Banner information and information about the current program. Press again to remove the banner, or wait 10 seconds. You can select the display mode, short or detailed, by pressing the navigate up and down arrows. You can also change the audio language, when available, by pressing the left and right navigation buttons.

HELP Shows the on-screen “EZ Help” menu while you are in normal viewing, or in an on-screen menu. To see the help description of the selected option in the menu, press and hold the **HELP** button.

NAVIGATION (UP, DOWN, LEFT, RIGHT arrows) Lets you navigate the on-screen menus and adjust the system settings and preferences, by moving to menu option with the up, down, left, right buttons and selecting the highlighted option with the button with a circle on it (in the center of the navigation buttons). If this button is pressing while in normal view, the information banner is displayed.

RATIO Changes the picture aspect ratio. When you view a picture with a wide (16:9) aspect ratio in 480i or 480p format, this button changes the display options from Letterbox, to Cropped, to Squeezed, and back to Letterbox. When you view a picture with a normal (4:3) aspect ratio in 720p or 1080i format, this button changes the display options from Normal, to Wide, to Panorama, to Zoom1, to Zoom2, and back to Normal. Detailed descriptions of the TV aspect ration are given in TV aspect ration section of the Preferences Menu.



Advanced Functions, cont.

SIGNAL Shows the signal strength of the current channel. For digital over-the-air or satellite channels you may be able to improve the signals strength by adjusting the direction of your over-the-air antenna.

SD/HD Set the output resolution of the SD (480i format) and pre-selected HD (480p, 720p, 1080i, native, hybrid-1, and hybrid-2 formats). If you want to use VCR recording, set to STD format. Note, pressing **SD/HD**, then the **LEFT** navigation button, then **SEL**, will always cause the receiver to output SD (480i) display format. Pressing **SD/HD**, then the **RIGHT** navigation button, then **SEL**, will always cause the receiver to operate in the pre-selected HD display format. I.E. the buttons will work no matter what format had been selected.

FLASHBK (Flash Back) Returns to the last channel viewed. Lets you move back and forth between the last two channels viewed.

CC/DATE (Closed Caption) Lets you turn closed caption on and off. The closed caption mode can be selected in the Closed Caption section of the Preference menu. You can also change the date by pressing the **CC/DATE** button in the Advanced Program Guide.™

Note, Close Caption will only appear when it is provided by the broadcaster.

GUIDE button displays on-screen Satellite Channel Guide.

CHANNEL+ and **CHANNEL-** buttons perform the “Page+” and “Page-” function for on-screen Guide Menus used by some Satellite systems.

MENU brings up the Satellite Menu screen - use with the **UP, DOWN, LEFT & RIGHT** navigation buttons.

OK button is used for on-screen Menu selection.

EXIT button is used to Exit or Clear on-screen Menu displays.



Advanced Functions, cont.

DVD Functions

SCAN+ and **SCAN-** buttons control the speed of Fast Forward and Reverse Playback respectively.

SKIP+ and **SKIP-** buttons respectively locate the succeeding or preceding Chapters or Tracks on a disc.

SUBTITLE button turns the subtitles on or off.

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

MENU brings up the DVD disc Menu screen - use with the **UP**, **DOWN**, **LEFT** & **RIGHT** navigation buttons.

OK button is used for on-screen Menu selection. Note some DVD players require the **PLAY** button to be used.

EXIT button is used to Exit or Clear on-screen Menu displays.

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

STOP button stops Disc playback.

PAUSE button pauses Disc playback - press **PLAY** to resume.

INPUT (SIGNAL INPUT) activates the DVD Player’s SETUP Menu.



Advanced Functions, cont.

VCR/DVD Punch Through Feature

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 buttons, to the device programmed under the **VCR** Mode button. 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 buttons when in any other mode.

TV/VCR/INPUT

When in TV mode the **SIGNAL/INPUT** button performs the INPUT source switch function.

When in a mode that has been programmed for VCR the **SIGNAL/INPUT** button performs the TV/VCR antenna switch function.

When in a mode that has been programmed for Cable the **SIGNAL/INPUT** button performs the A.B switch function.

When in a mode that has been programmed for SAT the **SIGNAL/INPUT** button performs the TV/SAT switch function.

When in a mode that has been programmed for DVD the **SIGNAL/INPUT** button performs the DVD Setup function.

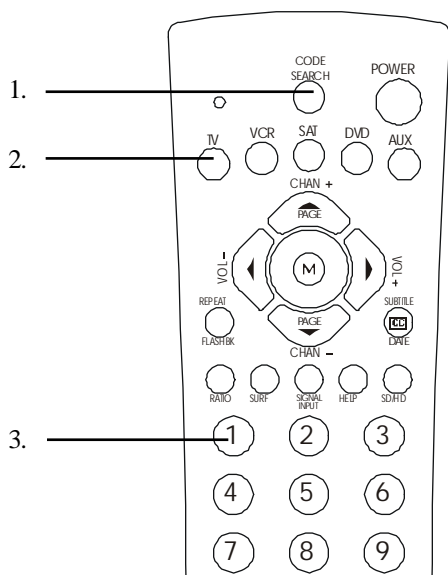
TV/VCR and TV/DVD Combo units

Note that for some TV/VCR and TV/DVD combo units you might need to set up two different buttons to control both parts of the combo unit. E.G., (referring to the Direct Code Entry section on the following page) you might need to set up a code under the **TV** button to control the TV part of the combo unit AND a separate code for the VCR or DVD under any other button you choose.

Code Entry

Direct Code Entry

1. Press and hold the **CODE SEARCH** button until the red indicator stays on, then release the **CODE SEARCH** button.
2. Press and release the desired mode button (**TV**, **VCR**, etc.). The red indicator blinks, then stays lit.
3. Enter the 3 digit code from the code tables (on separate sheet). Note: after a valid code entry, the red indicator turns off. For an invalid code, the red indicator flashes.
4. With your device on, press **CHANNEL UP**. If the device responds, no further programming is required. Note: If some buttons do not operate your equipment, try one of the other codes for your brand.



Write your codes down here for easy reference later.

Type	Type stored	Code
TV	TV	
VCR		
SAT	363	
DVD		

Code Entry, cont.

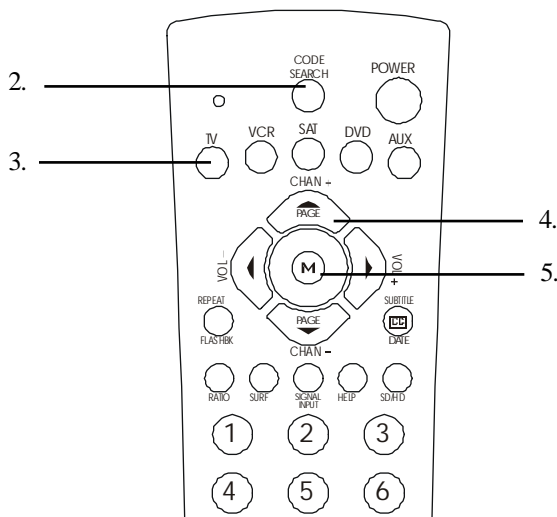
Programming with Code Search

If your product does not respond after you have tried all the codes for your brand, or if your brand is not listed, try searching for your code by following these steps.

1. Manually turn on the device (**TV**, **VCR**, etc.) to be controlled.
2. Press and hold the **CODE SEARCH** button until the red indicator stays on, then release the **CODE SEARCH** button.
3. Press and quickly release the desired mode button (**TV**, **VCR**, etc.). The red indicator blinks off once.
4. Press the **CHANNEL UP** button repeatedly (up to 300 times) until the device to be controlled changes channel. The red indicator blinks off with each button press. If you accidentally overshoot the code required, press the **CHANNEL DOWN** button to backtrack through the library until the device changes channel. Pressing **CHANNEL UP** changes direction to forward again.
5. Press and release **MUTE** to install the code.

Most users will store VCR codes under the **VCR** button, DVD codes under **DVD**, etc. If (for example) you want to store a VCR code under **DVD**, first follow the procedure for Direct Code Entry (page 12) and press **DVD** in step 2 of Direct Code Entry, then enter ANY VCR code in step 3 of Direct Code Entry. Then follow the steps above for Code Search (or Brand Search, next page).

Note: If the device does not have a **CHANNEL UP** button, use **PLAY** (VCR only) or **POWER** instead. Code Search starts from the currently stored three digit number under that mode.



Code Entry, cont.

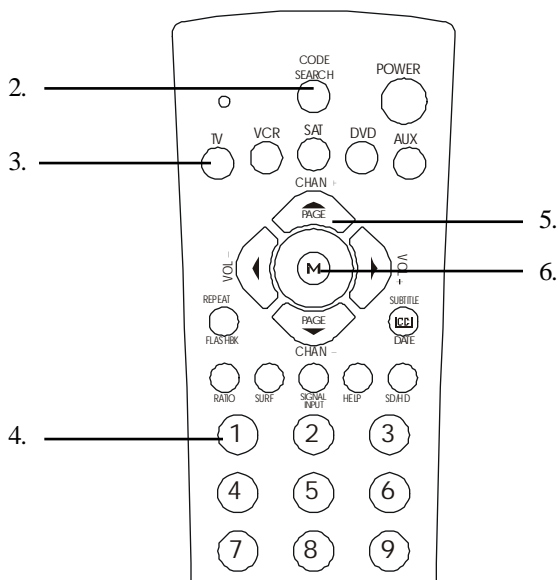
Code Search by Brand

Lets you search for a code for a specific Brand within the Code Library for a particular manufacturer.

1. Turn on the device (TV, VCR, etc.) to be controlled.
2. Press and hold the **CODE SEARCH** button until the red indicator remains on, then release **CODE SEARCH** button.
3. Press and quickly release the desired mode button (**TV**, **VCR**, etc.). The red indicator blinks off once.
4. Press and release the numeric button (**0-9**) corresponding to desired Manufacturer (see table on next page). The red indicator blinks off once. Note, pressing "0" performs a full library search same as normal Code Search Method on previous page.
5. Press the **CHANNEL UP** button ((or **POWER** or **PLAY** (VCR only)) repeatedly until the device to be controlled changes channel. The red indicator blinks off with each button press. If you accidentally overshoot the code required, press the **CHANNEL DOWN** button to backtrack through the library until the device changes channel. Pressing **CHANNEL UP** changes direction to forward again.
6. Press and release **MUTE** to install the code.

Brand Search Method entry is now complete.

Note: When all codes under a Brand have been searched the red indicator flashes rapidly for 3 seconds.



Code Entry, cont.

Brand Search Table

Look up your brand in the appropriate column (TV, VCR, etc.). Look to see what digit (1, 2, 3, etc.) applies to your brand, and enter it in step 4 of "Code Search by Brand" on the previous page.

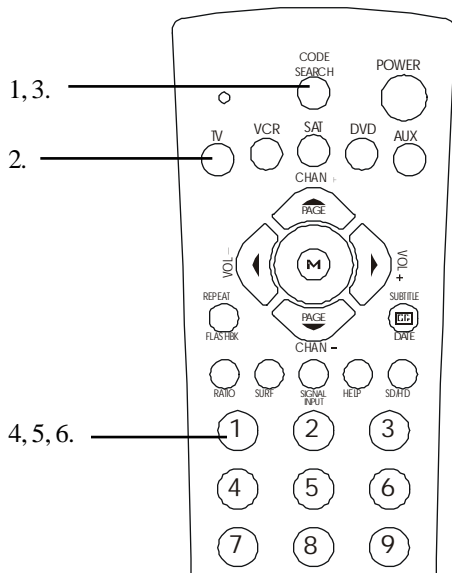
DIGIT	TV	VCR/DVD/DVR	CABLE	SAT/DBS	CD/AUDIO
1	RCA, GE, PROSCAN	RCA, GE, PROSCAN	SCIENTIFIC ATLANTA	RCA, GE, PROSCAN, PIONEER	RCA, GE, PROSCAN
2	ZENITH	ZENITH, APEX	JEROLD	ZENITH, GEMINI	ZENITH
3	PHILIPS, MAGNAVOX	PHILIPS, MAGNAVOX, MARANTZ	GENERAL INSTRUMENT, TOCOM	PHILIPS, MAGNAVOX	PHILIPS, MAGNAVOX, MARANTZ
4	SONY, PANASONIC, SHARP, TOSHIBA, DAEWOO	SONY, PANASONIC, SHARP, TOSHIBA, DAEWOO, YAMAHA, DENON	RCA, GE, PROSCAN, PIONEER	SONY, PANASONIC, TOSHIBA, SHARP	SONY, PANASONIC, TECHNICS, SHARP, TOSHIBA
5	HITACHI, SANYO, JVC, LG-GOLDSTAR, SAMSUNG, MITSUBISHI	HITACHI, SANYO, JVC, LG-GOLDSTAR, SAMSUNG, MITSUBISHI	ZENITH, GEMINI	HITACHI, JVC, SAMSUNG	HITACHI, SANYO, JVC, LG-GOLDSTAR, SAMSUNG, MITSUBISHI
6	SYLVANIA, CURTIS-MATHES, FISHER, EMERSON	SYLVANIA, CURTIS-MATHES, FISHER, EMERSON	PHILIPS, MAGNAVOX	GENERAL INSTRUMENT, ECHOSTAR, DISH, HUGHES, PRIMESTAR	SYLVANIA, CURTIS-MATHES, FISHER, EMERSON, OPTIMUS
7	N/A	N/A	N/A	N/A	PIONEER, TEAC, NAD
8	N/A	N/A	N/A	N/A	KENWOOD, YAMAHA, DENON, ONKYO
9	N/A	N/A	N/A	N/A	N/A
0	ALL	ALL	ALL	ALL	ALL

Code Identification

Code Identification Feature

The Code Identification Feature allows you to identify the three digit library code stored under your device key. For example, if you want to find out what three digit code is stored under your TV device key, follow the six steps below:

1. Press and hold the **CODE SEARCH** button until the red indicator stays on. Release the **CODE SEARCH** button.
2. Press and release the desired mode button (**TV**, **VCR**, etc.). The red indicator blinks, then stays lit.
3. Press and release the **CODE SEARCH** button. The red indicator blinks off.
4. To find the first digit for the code stored under the mode key pressed in step 2, press each numeric key from **0-9** in turn. When the red indicator blinks off the number you pressed is the first digit for the code you are searching for.
5. To find the second digit, repeat step 4, this time when the red indicator blinks off this is the second digit.
6. Repeat step 4 again to find the third digit.

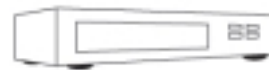


Product Operation

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 TV, VCR, Satellite Receiver, DVD Player, etc.



TV (Press **TV** First)



VCR
(Press **VCR** First)



Satellite Receiver
(Press **SAT** first)

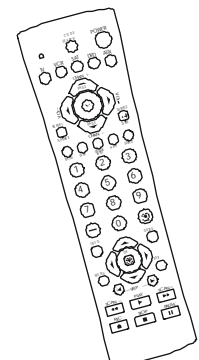


DVD Player
(Press **DVD** first)



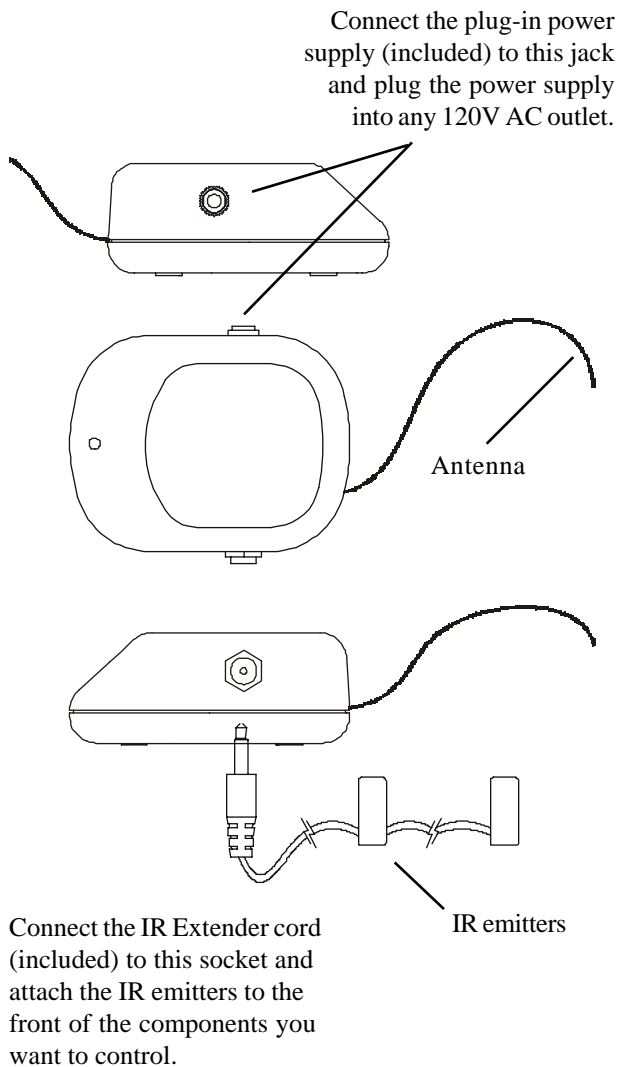
To Operate:

1. Press the **TV**, **VCR**, **SAT**, **DVD**, 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.



Wireless Receiver

The remote transmits wireless Radio Frequency (RF) commands. The wireless receiver (included) receives these commands and converts them to regular Infrared (IR) commands. These IR commands are then emitted from the IR Extender (also included) to control your A/V components. This lets you control your A/V components from ANY room in your home - you don't need to aim the remote at your component!



Troubleshooting

Remote does not operate your product.

- Press the mode button of the product you want to control.
- Program the remote with a new code.
- Install new batteries. (You might have to reprogram your remote after installing new batteries.)
- Remote may not be compatible with your product.

Remote does not operate some features of your product.

- Program remote with a new code.
- Remote may not be able to operate all features of your product or button names might be different than your product.

Red Indicator blinks after you program a product code.

- Remote did not accept the code.
- Try to program the code again or try a different code.



90 Day Warranty

This product is manufactured to ZENITH specifications and is free from defects in material, workmanship and assembly. This warranty extends only to the original purchaser and is nontransferable. Should a defect occur under normal operating conditions within 90 days from the date of purchase, ZENITH will provide a comparable replacement free of charge within the warranty period, to the original purchaser. Defective product must be returned, with the dated proof of purchase, to the place of purchase for replacement. This warranty does not extend to the product if it has been damaged or rendered defective as a result of accident, misuse, abuse, tampering with or modification. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL ZENITH BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER IN CONTRACT, TORT OR NEGLIGENCE. Some States do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Some States do not allow exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific rights and you may also have other rights, which vary from State to State.

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ZRF1
Back
Cover Art

