

WR7 Pre-Programmed & Learning REMOTE CONTROL

Owner's Manual



Congratulations!

Congratulations on purchasing Universal Remote Control's WR7 7-Component Pre-Programmed and Learning remote control. You now have the power to control your entire home entertainment system with one easy-to-use remote. The WR7 can be used with thousands of audio/video components because of the extensive library of codes that have already been programmed into the remote. So... get ready to sit back, relax, and simplify your home entertainment experience.

This Owner's Manual is designed to assist you in programming your WR7 remote to work with your components by guiding you through an easy step-by-step process. Everything you need to know about programming the WR7 is contained in this Manual.

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The Pioneer in Control Technology

500 Mamaroneck Avenue, Harrison, NY 10528
Phone: (914) 835-4484 Fax: (914) 835-4532

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Getting Started - Overview

Control up to 7 Components

The WR7 remote control is designed to control up to seven different Audio/Video components and operate virtually all brands of AUDIO, TV, DVD, VCR/DVR, CD, SAT/CABLE and AUX (Light, Music Server, etc.) components.

Activating Component Buttons

Once you have programmed the WR7 for all of your components, all you need to do is press a component button and all the buttons on the WR7 will work with that component. For example, when you press the TV component button, all the buttons on your WR7 will operate your TV. If you press the DVD component button, all the buttons on the WR7 will operate your DVD.

Each time you press any of the buttons on the remote, the LED light in the component button will light up to indicate which component you are controlling.



Learning Capability

The WR7 has the ability to “learn” functions from the original remote controls of other manufacturers, even if they are not in the Pre-programmed database.

AUX Function

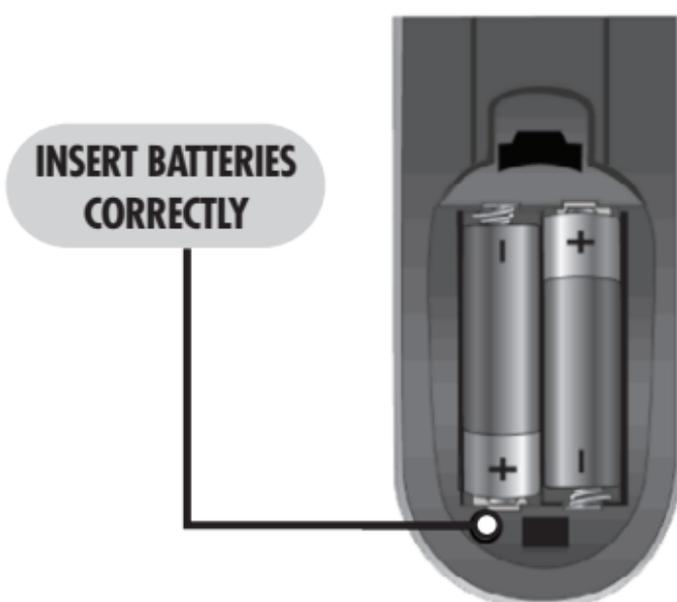
The AUX (Auxillary) button is designed to operate a 7th audio/video component that you may have in your system... such as a TIVO, a second VCR or DVD, or an additional audio component.

Light Button

The WR7 features a fully backlit keypad for ease of use in low light or darkened viewing conditions. Press the LIGHT button to back-light all the keypad buttons. Press again to turn off (or simply wait 10 seconds for automatic shut-off).

Battery Installation

Press the tab and remove the cover of the battery compartment located in the back of your remote. Insert the two AA Alkaline batteries (included in the package) making sure to match the positive (+) and negative (-) symbols as shown in the diagram. Place the cover back over the battery compartment.



Low Battery Warning

When the batteries are low and need to be replaced the component LED will quickly blink three times when you press the POWER [ON] button.

Couch Mode

The WR7 is designed to automatically turn itself off if a button is pressed for more than 30 seconds. This prevents battery power from being depleted should the remote accidentally slip between the couch cushions.

Special Advanced Features

The WR7 also offers the following special advanced features that can offer you many time-saving conveniences:

MacroPower™ & Other Macro Buttons

MacroPower is a unique feature that enables you to turn all your components ON or OFF, all at the same time, simply with the press of one button. The WR7 has 13 Macro buttons that are designed to store up to 20 commands in each button. Pressing any one of the Macro buttons will send out the series of commands that are stored in that button.

“My Favorites” (Favorite Channels)

This is one of the most desirable features of the WR7 remote control. Once it's set up, you can select one of four favorite channels with the press of one button – without the need to type in a channel number. So, whether it's CNN or the Food Network, your favorite viewing spot is just one click away.

SimpleSound™ & Other “Punch Throughs”

SimpleSound Volume Control is a dynamic feature that gives you total volume control over all the components in your system, even those that do not have their own built-in volume control, such as TIVO, DVD and VCR... saving you the hassle and inconvenience of constantly needing to switch between component modes on the remote. As an example, in order to increase the volume while watching a DVD, you would typically have to pick up the TV remote control to increase the volume. With the WR7, you do not even have to press the TV component button. Once you program SimpleSound in your DVD mode, you will automatically have TV volume control in DVD mode.

SimpleSound is what is called a “Punch Through” feature and is not limited to volume control. It can also be applied to Channel Control, Transport Control, and OSD Control.

Keypad Layout & Button Functions

ON

Allows you to turn the selected component on and off.

AUD, CD, VCR, AUX, TV, DVD, SAT/CABLE

Used to select the component you want to operate and signals remote control activity.

INPUT

Selects the video source from available components.

PREVIOUS CHANNEL

Returns to the previously tuned channel through the SAT/Cable Set Top Box.

VOLUME

Raises or lowers the sound volume.

GUIDE

Displays the Program Guide Listings provided by the Cable or Satellite Service Provider.

MENU

Displays the Applications Menu through the Cable Set Top Box.

CURSOR NAVIGATION PAD

Used for programming steps and on-screen navigation and highlighting.

TRANSPORT CONTROLS

Perform standard VCR and DVD functions when in VCR and DVD mode, or VOD (Video-On-Demand) and DVR (Digital Video Recorder) functions when in Cable mode.

MY FAVORITES

Custom-programmable Favorite Channel Buttons

SYSTEM OFF

Designed to send Power On/Off commands for up to seven components with one button press.

FAVORITE

Designed to send Power On/Off commands for up to seven components with one button press.

CHANNEL

Selects the next higher or lower channel.

MUTE

Silences the Audio. Press to activate. Press again to restore sound to the previous level.

INFO

Displays information about the program currently playing or highlighted in the Program Guide (see GUIDE).

EXIT

Exits from current screen.

SELECT

Selects highlighted screen options.

SKIP-/+

Skip forward or backward a whole day in the Program Guide.

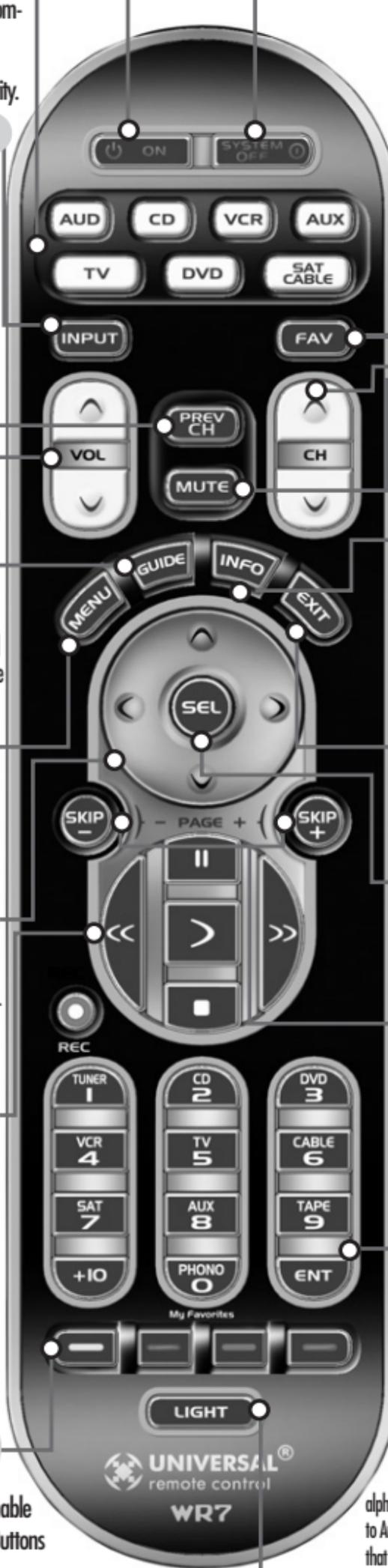
NUMBER PAD

Use to enter code numbers for programming components and to enter channel numbers to tune in channels. Also used to make numeric entries on on-screen menus. The

alpha labels on the keys refer to Audio component functions that can be accessed with the respective keys.

LIGHT BUTTON

Press to back-light all keypad buttons. Press again to shut off (or simply wait 10 seconds for automatic shut-off).



Programming WR7 using Pre-Programmed Codes

There are three ways you can program your WR7 using the component brand codes that are pre-programmed into the remote.

- Quick Set-Up Method
- Three-Digit Code Entry Method
- Auto-Search Method

The Quick Set-Up Method is a unique new feature that enables the fastest and easiest set-up by using one-digit codes for up to 10 major brands for each component. The Three-digit Code Entry Method allows you to set-up the WR7 using 3-digit codes for component brand names. It is also a fast and easy way to program the remote. The Auto-Search Method scans through all the brands in the remote control, one at a time. It should be used when either the Quick Set-Up or Three-Digit Code Entry Methods do not work.

* * *

Quick Set-Up Method

STEP 1: Manually or using your old remote, turn on the component you want to program—for example, to program your TV, turn on your TV set.

STEP 2: Point the WR7 toward the component that you want to program (in this case the TV set) and press and hold the component button (in this case the TV button).

While holding down the component button, begin to press numeric keys, one number at a time, starting from 1, continuing to 2, 3...0 until the component (in this case the TV) turns off.

STEP 3: Release the component button to save the code. The component LED light will blink three times to confirm that the code has been stored.

Repeat the above steps for other components.

**COMPONENT
BUTTONS**



**NUMBER
PAD**



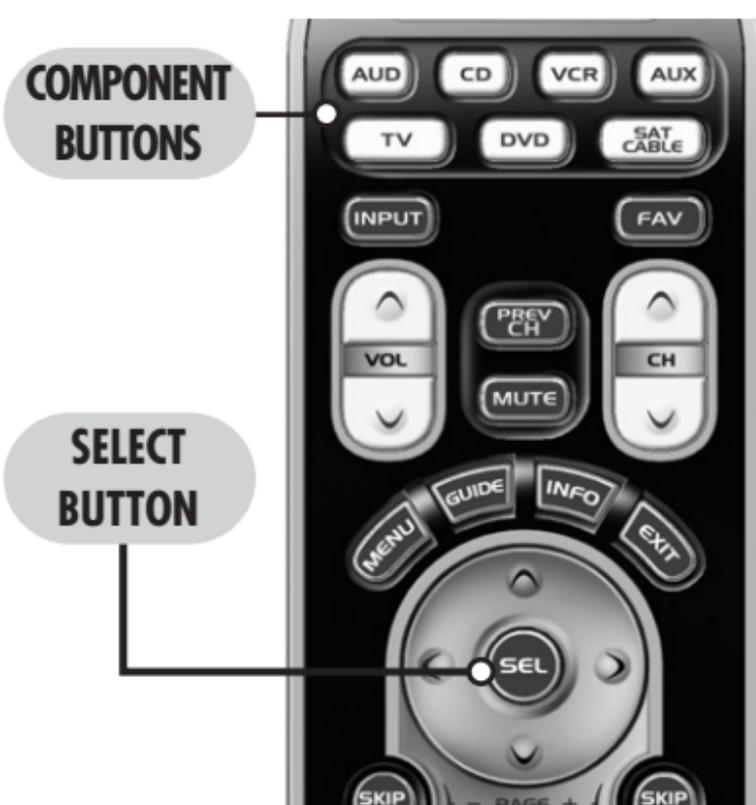
Three-Digit Code Entry Method

STEP 1: Find the 3-digit code numbers assigned to your brand from the lists in the back of this manual. The codes are listed by component category (i.e., TV, VCR, DVD, etc.), then by brand name. For instance, if you would like to locate a code for a Sony television, first locate the TV category and then look for the Sony brand.

STEP 2: Once you have located the 3-digit codes for each of the components that you wish to operate with your WR7, write them ALL down on a piece of paper. It's important that you write down all the codes listed for your brand because only one code is going to work with your component.

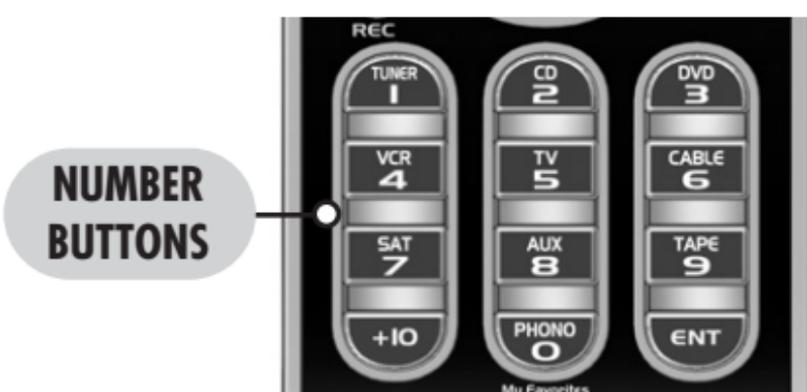
STEP 3: Manually or using your old remote, turn on the component you want to program—for example, to program your TV turn on your TV set.

STEP 4: On the WR7, press the Component button that you want to program (in this case the button that says TV) and the SELECT [SEL] button at the same time. Hold down both buttons for two seconds until the TV Component LED light turns on. This signals that you are in programming mode.



IMPORTANT: You have 30 seconds to perform the next step while you are in programming mode. If you do not press a button within 30 seconds, the component LED light will turn off. The remote will exit the programming mode and you will have to start over.

STEP 5: Point the WR7 toward the component (in this example the TV) and punch in the first 3-digit code that you wrote down for that specific component. Use the Number buttons 0~9 on the remote to punch in the code. The TV LED light will blink each time a number is pressed.



If the 3-digit code number you just punched in is the correct number, the component you are trying to program will turn off. If it did not turn off, enter the next code number from your list until it does turn off.

STEP 6: Once you've entered the code number and the component has turned off, press the POWER [ON] button on the WR7 remote to turn the component back on.

Next test the VOLUME and CHANNEL buttons (or PLAY and STOP buttons for VCR and DVD) to make sure they all work. For example, perhaps your Sony TV turned off with code number 147, but the volume controls did not work properly. In this case, try the next code number listed for that component. Repeat Step 5 using the next code number until you find a perfect match.

STEP 7: Once you've entered a correct code, **you must save it.** Press the component button you just programmed (in this case TV) one more time to save the code number.

The component LED light will blink three times to confirm that the code was successfully stored. Now when you press the TV component button, all of the buttons will work with your TV.

Program the remaining components by repeating steps 3 through 7.

IMPORTANT: If you have tried all the set-up codes in the list and the component still did not turn off after Step 5, either the Auto-Search Method (page 14) or the Learning Method (page 16) will help you program.

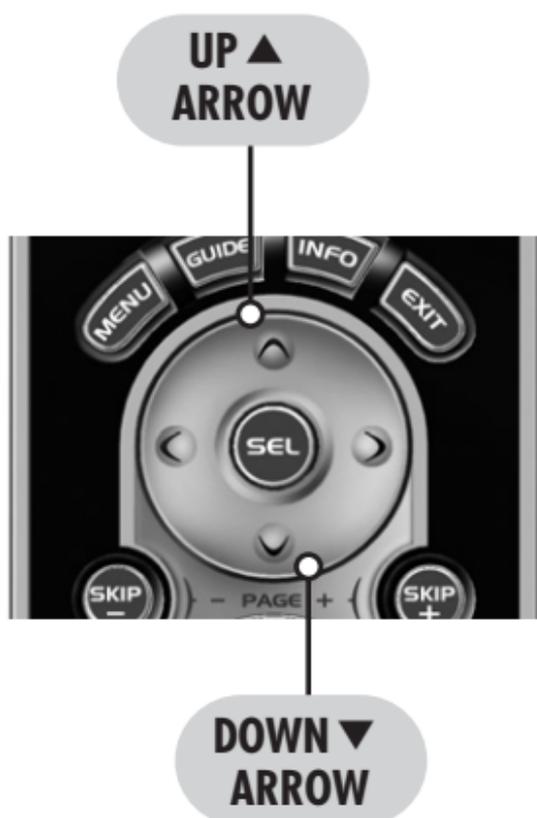
Auto-Search Method

The Auto-Search Method is a way you can scan through all of the codes in the table to find the right code for your component.

STEP 1: Manually or using your old remote, turn on the component you want to program—for example, to program your TV, turn on your TV set.

STEP 2: On the WR7, press the Component button that you want to program (in this case the button that says TV) and the SELECT [SEL] button at the same time. Hold down both buttons for two seconds until the TV Component button light turns on. This signals that you are in programming mode.

IMPORTANT: You have 30 seconds to perform the next step while you are in programming mode. If you do not press a button within 30 seconds, the component LED light will turn off. The remote will exit the programming mode and you will have to start over.



STEP 3: Point the WR7 remote control toward the component and press the UP [▲] arrow (or DOWN [▼] arrow) button once. Each time the UP or DOWN arrow button is pressed, the code will count up (or down) one code number and send a Power OFF signal. When the correct code is sent out, the component will turn off.

STEP 4: Once you have found the right code number and the component has turned off, press the POWER [ON] button on the WR7 remote to turn the component back on.

Next test the VOLUME and CHANNEL buttons (or PLAY and STOP buttons for VCR and DVD) to make sure they all work. If any of the buttons do not work properly, you need to find a new code. Continue pressing the UP (or DOWN) arrow button until you find a new code that turns off the component and makes the VOLUME or PLAY buttons respond correctly.

STEP 5: Once you have found the right code, **you must save it.** Press the component button you just programmed (in this case TV) one more time to save the code number. The component LED light will blink three times to confirm that the code was successfully stored. Now when you press the TV component button, all of the buttons will work with your TV.

NOTE: Use this method for those components you cannot program with either the Quick Set-Up or 3-digit Code Entry Methods.

IMPORTANT: If you cannot find the right code after 5 minutes of trying the Auto-Search Method, try the Learning Method (page 16).

**PLEASE DO NOT RETURN
THIS PRODUCT TO THE STORE**

**PLEASE CONTACT OUR TECHNICAL
SUPPORT CENTER.**

IF YOU NEED ASSISTANCE E-MAIL
techsupport@UniversalRemote.com

or dial 1-800-901-0800
(9:00AM - 6:00PM EST)

Programming WR7 using the Learning Method

STEP 1: Line up the WR7 to the remote control you want to “learn” from, head-to-head as shown below. Start with both remotes’ IR windows touching (or nearly touching).



STEP 2: On the WR7, press the Component button that you want to program (in this case the button that says TV) and the ENTER [ENT] button at the same time. Hold down both buttons for two seconds until the TV Component button light turns on. This signals that you are in programming mode.

IMPORTANT: You have 30 seconds to perform the next step while you are in programming mode. If you do not press a button within 30 seconds, the component LED light will turn off. The remote will exit the programming mode and you will have to start over.

STEP 3: Press any button on the WR7 that you want to teach a command to. For example, if you want to teach the [MUTE] button on the WR7 the TV Mute command from the other remote, first press the [MUTE] button on the WR7 and the TV component button LED light will blink once indicating that the WR7 is ready to learn the command.

STEP 4: Press and hold the [MUTE] button on the other remote until the component button LED on the WR7 blinks twice. Now you can continue learning all other buttons from your old remote by pressing the next button on the WR7 and repeating this step.

Note: The component LED will blink five times if there was an error in the learning process. In this case, please repeat Steps 3 and 4.

STEP 5: Once the WR7 has learned all the buttons in the selected component mode, press and hold the Component button and ENTER [ENT] buttons at the same time to save the learned functions. The component LED light will blink three times to confirm the programming. Now test all the buttons to make sure they learned correctly.

Repeat Steps 1-5 to program any other component modes.

If the Learning Method does not work, here are a few suggestions:

- If you have a Plasma TV, move to another room
- Avoid programming under fluorescent light or direct sunlight
- Put new batteries in the old remote
- Gradually vary the distance between the two remote controls
- Adjust the angles of the remotes (i.e., keep the WR7 on a flat surface while holding the other remote in hand and angling it down toward the WR7)
- Tap the button on your old remote instead of pressing and holding it during the learning process

Here are some additional facts regarding the Learning process:

- Learned functions override any existing pre-programmed functions on the remote control
- Learned functions are automatically erased when a new function is learned on the same button
- Learned functions are retained even after a different set-up code number is programmed into the remote control
- To return to an original pre-programmed function, a learned function must be erased
- Rapidly tapping the Volume Up button on the old remote will teach the WR7 to ramp the volume instead of raising it in increments of one

AUX Function: Programming a 7th Component

After you've finished programming the WR7 for six primary components and you did not use AUX, you can take advantage of the AUX function to program a 7th component, such as a second TV, DVD, or any other audio/video component that you may have in your system. Simply program the [AUX] button in the same manner as any other component using either the Quick Set-Up Method, the 3-Digit Code Entry Method, the Auto-Search Method or the Learning Method.

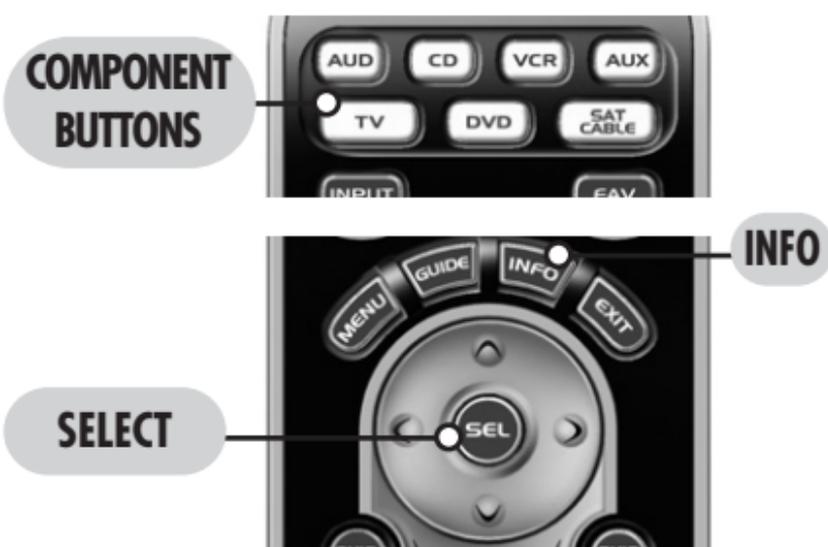
Finding a Component's Set-up Code Number

If you used the Auto-Search or Learning Methods to program a component, you may not know the code number you programmed. Here is a way for you to identify what that code number is, so you can make a note in the back of this Manual for future reference.

STEP 1: Press the component button you would like to verify and the SELECT [SEL] button at the same time for two seconds until the selected component LED light turns on.

IMPORTANT: You have 30 seconds to perform the next step while you are in programming mode. If you do not press a button within 30 seconds, the component LED light will turn off.

The remote will exit the programming mode and you will have to start over.



STEP 2: Press the [INFO] button and count the number of times the Component LED light blinks. This number indicates the first digit of the code. Next it will pause for about one second and begin blinking again to indicate the number of the second digit. Then once again it will pause, then blink, to indicate the number of the third digit.

Example: One blink, pause, eight blinks, pause, three blinks indicates code number 183.

Note that ten (10) blinks represent the number 0.

Programming Special Advanced Features

Programming Multi-Commands to Macro Buttons

The WR7 has 13 Macro buttons (ON, SYSTEM OFF, 7 Component buttons, and 4 “My Favorites” buttons) that are designed to store up to 20 commands in each button. Pressing any one of the Macro buttons will send out the series of commands that are stored in that particular button.

MacroPower™ Total System On/Off

MacroPower makes several devices work together by pressing one button. Imagine the convenience of turning on your TV, your DVD player and your Surround Sound receiver by pressing a single button on your WR7. What could normally take three remotes and three button pushes, the WR7 can accomplish with the press of one button. We call that MacroPower. Any of the Power On or the System Off buttons can be programmed for MacroPower control. To set it up, follow these easy steps:

STEP 1: To program MacroPower commands for the POWER [ON] button, press the POWER [ON] button and the [MUTE] button at the same time for two seconds until one of the component button LED lights turns on.



IMPORTANT: You have 30 seconds to perform the next step while you are in programming mode. If you do not press a button within 30 seconds, the component LED light will turn off. The remote will exit the programming mode and you will have to start over.

STEP 2: Press the component button you want to turn on and then the POWER [ON] button; repeat for all other components in the order you want them to turn on. The component LED lights will blink once each time you press the POWER [ON] button.



STEP 3: Once you've entered all the Power On commands, press the CHANNEL Up [CH ▲] button to save your MacroPower commands. The component LED lights will blink three times to confirm that the programming has been successfully saved.



SUGGESTION: Most of the components have the same signal to turn the power On and Off. You may want to program MacroPower only in the POWER [ON] button and save the [SYSTEM OFF] button to turn components On or Off individually.

Note: If you want to program MacroPower for the [SYSTEM OFF] button, repeat the same steps used for POWER [ON] programming.

Programming “My Favorites” - Favorite Channel Buttons

In Cable mode, the four [MY FAVORITES] buttons are also designed to serve as dedicated Favorite Channel buttons.

Each button will access one of your favorite channels with just one button press. Here’s how to program Favorite Channels:

STEP 1: Press the [CABLE/SAT] button to select the Cable/SAT mode.

STEP 2: Press one of the [MY FAVORITES] buttons and the [MUTE] button at the same time for two seconds until the [CABLE/SAT] component LED turns on.

IMPORTANT: You have 30 seconds to perform the next step while you are in programming mode. If you do not press a button within 30 seconds, the component LED light will turn off. The remote will exit the programming mode and you will have to start over.



STEP 3: Using the Number Pad, punch in the Channel number of the Favorite Channel that you want to store in the Macro button. The CABLE/SAT component LED light will blink once for each button pressed.

STEP 4: Press the CHANNEL UP [CH ▲] button to store the commands entered. The [CABLE/SAT] component LED will blink three times to confirm the programming.



Notes regarding programming multi-commands to Macro buttons:

- You can program up to 20 commands on each Macro button.
- You can program delays in between commands by pressing the [PAUSE] button. Each press adds a one-half second delay.
- Also, if you add the delay time as the first step of Macro commands, the remote will not send the Macro unless the button is held for two seconds. (This is the Press & Hold Function).
- You can also program macro commands in “layers” by pressing the [STOP] button in between commands. (For example, if you press [009], [STOP], [035], [STOP], [365], [STOP] in Step 3 of the Favorite Channel programming process) the remote will send out 009 at the first press of the selected [My Favorites] button, and then send out 035 at the second press, etc.
- You cannot program the [CH ▲] or [PAUSE] buttons as macro commands.

SimpleSound™ Total System Volume Control

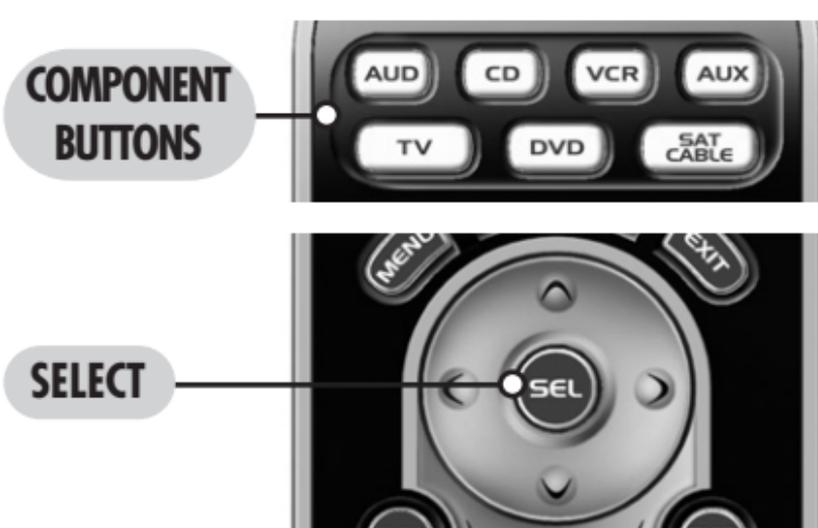
SimpleSound is one of the most exciting features of the WR7. It gives you total volume control over ALL the components in your system, even those that do not have built-in volume control, such as TIVO, DVD and VCR. SimpleSound saves you the hassle and inconvenience of constantly switching between component modes just to control volume.

First you should identify which device in your system will be used to deliver sound. In a basic system, the sound may come from your TV speaker. In a more advanced system, the sound may come from your audio components (such as a Surround Sound Receiver or Home Theatre system).

Now, let's set-up SimpleSound. Here's how:

STEP 1: Press and hold the button that corresponds to the Component you want to add volume control to (such as a DVD or VCR) and the SELECT (SEL) button at the same time for about three seconds until the component LED light turns on.

IMPORTANT: You have 30 seconds to perform the next step while you are in programming mode. If you do not press a button within 30 seconds, the component LED light will turn off. The remote will exit the programming mode and you will have to start over.



STEP 2: Press the VOLUME UP [VOL ▲] button and then press either the TV or AUDIO component button that you want to use for volume. The Component LED light will blink three times to confirm that it is saved. This sets up three buttons (Volume Up, Volume Down and MUTE) as a group for that component.



Repeat Steps 1-2 for all other components.

Note: SimpleSound is what's technically referred to as a "Punch Through" feature and is not limited to volume control. It can also be applied to other groups of buttons. If you find yourself switching to a particular component mode frequently to access a particular control, consider using Punch Through.

Channel Control “Punch Through”

This “punch through” enables you to program the WR7 so that either the Cable or TV Channel Controls (CHANNEL UP, DOWN, LAST, CHANNEL NUMBERS 0-9, +10 and ENTER) will also operate in other component modes on the remote control.

STEP 1: Press and hold the component button you want to add channel control to, such as [DVD] or [VCR], and the SELECT [SEL] button at the same time for two seconds until the Component LED light turns on.

IMPORTANT: You have 30 seconds to perform the next step while you are in programming mode. If you do not press a button within 30 seconds, the component LED light will turn off. The remote will exit the programming mode and you will have to start over.

STEP 2: Press the CHANNEL UP [CH ▲] button. The component LED light will blink once.



STEP 3: Press either the [TV] or [CABLE/SAT] button that you want to use as the source of channel control. The component LED will blink three times to confirm it is saved.

Transport Control “Punch Through”

This “punch through” enables you to program the WR7 so that VCR or DVD Transport Controls (PLAY, STOP, FF, REW, PAUSE, SKIP and RECORD) will also operate in other component modes on the remote control.

STEP 1: Press and hold the component button you want to add Transport Control to, such as [CABLE/SAT] or [TV], and the SELECT [SEL] button at the same time for two seconds until the Component LED light turns on.

IMPORTANT: You have 30 seconds to perform the next step while you are in programming mode. If you do not press a button within 30 seconds, the component LED light will turn off. The remote will exit the programming mode and you will have to start over.

STEP 2: Press the [PLAY] button. The component LED light will blink once.



STEP 3: Press either the [DVD] or [VCR] button that you want to use as the source of Transport Control. The component LED will blink three times to confirm it is saved.

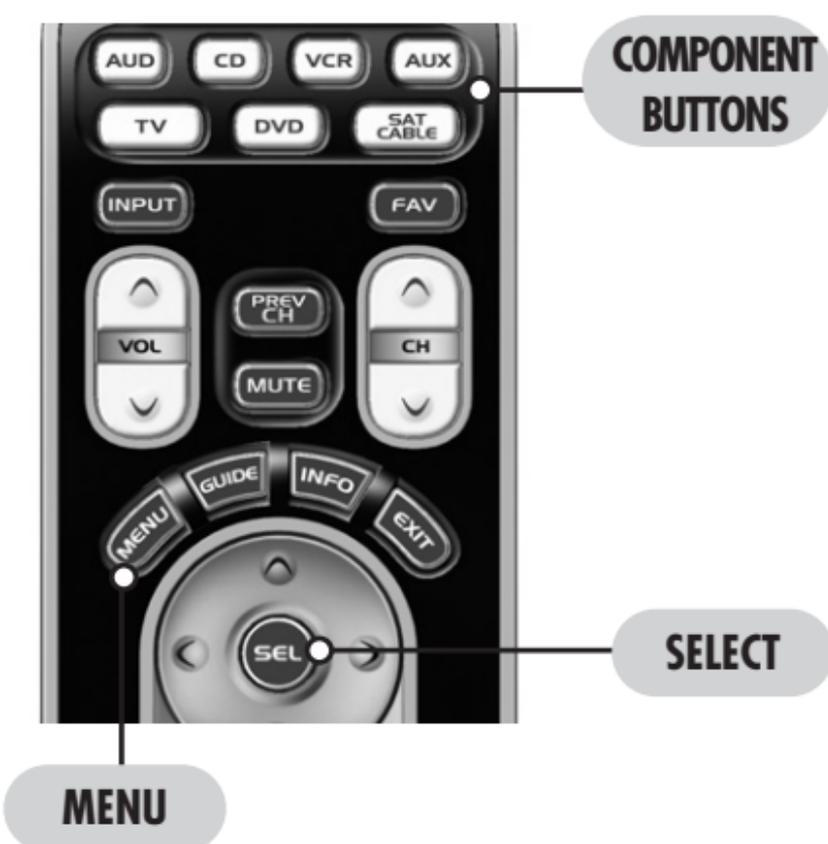
OSD (On-Screen Display) Control “Punch Through”

This “punch through” enables you to program the WR7 so that CBL or DVD OSD Controls (MENU, GUIDE, INFO, EXIT, SEL and 4 Cursor Controls) will also operate in other component modes on the remote control.

STEP 1: Press and hold the component button you want to add OSD Control to, such as [TV] or [VCR], and the SELECT [SEL] button at the same time for two seconds until the Component LED light turns on.

IMPORTANT: You have 30 seconds to perform the next step while you are in programming mode. If you do not press a button within 30 seconds, the component LED light will turn off. The remote will exit the programming mode and you will have to start over.

STEP 2: Press the [MENU] button. The component LED will blink once.



STEP 3: Press either the [CABLE/SAT] or [DVD] button that you want to use as the source of OSD Control. The component LED will blink three times to confirm it is saved.

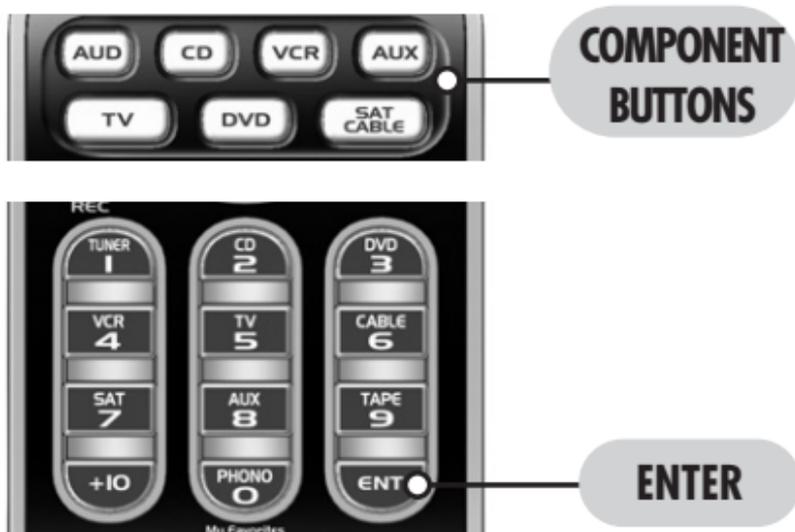
Erasing Commands - Overview

You can erase a single learned command, all learned commands in each component mode, SimpleSound programming, MacroPower commands, or re-set the remote to original factory default settings.

Erasing a Single Learned Command from One Component

STEP 1: Press the component button where the learned command is stored and the [ENTER] button at the same time for two seconds until the component LED light turns on.

IMPORTANT: You have 30 seconds to perform the next step while you are in programming mode. If you do not press a button within 30 seconds, the component LED light will turn off. The remote will exit the programming mode and you will have to start over.



STEP 2: Press and hold the button you want to erase for two seconds. The component LED light will blink twice to confirm the erasure.

STEP 3: Repeat Step 2 to erase any other buttons in the selected component mode.

STEP 4: To exit Erase mode, press and hold both the component button and the [ENTER] button at the same time until the component LED light blinks three times.

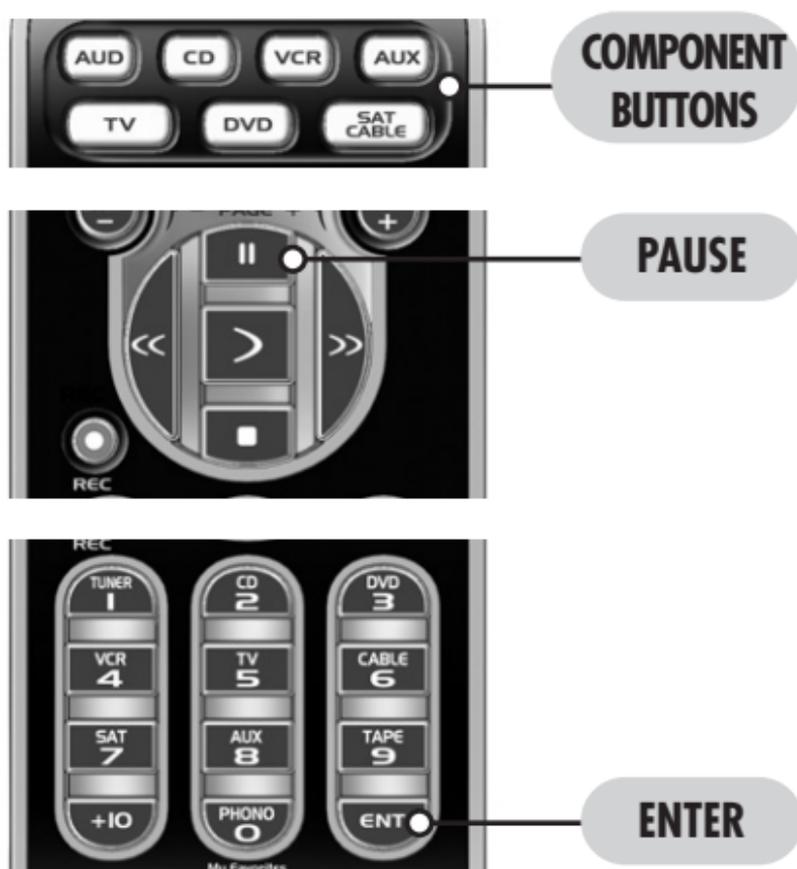
Erasing All Learned Commands from One Component

This function allows you to erase all the learned commands from one component. For example, if you want to erase all learned commands on the TV component button because you bought a new TV, the process is very simple.

STEP 1: Press the component button where all the learned commands are stored and the [ENTER] button at the same time for two seconds until the component LED turns on.

IMPORTANT: You have 30 seconds to perform the next step while you are in programming mode. If you do not press a button within 30 seconds, the component LED light will turn off. The remote will exit the programming mode and you will have to start over.

STEP 2: Press and hold both the component button you want to erase and the [PAUSE] button at the same time for two seconds, until the component LED light blinks twice to confirm the erasure.



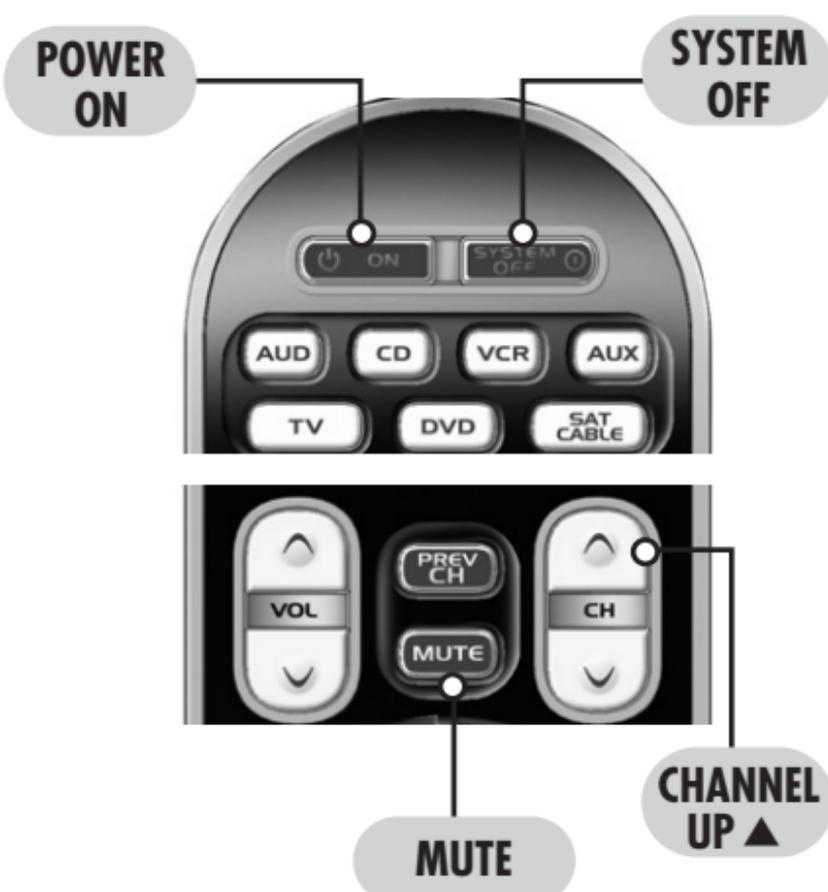
STEP 3: To exit Erase mode, press and hold both the component button and the [ENTER] button at the same time until the component LED light blinks three times.

Erasing MacroPower & Other Macro Commands

STEP 1: To erase MacroPower commands on the POWER [ON] or [SYSTEM OFF] button, press and hold either the POWER [ON] or [SYSTEM OFF] button and the [MUTE] button simultaneously for two seconds until the current status component LED turns on.

IMPORTANT: If you don't proceed to the next step within 30 seconds, the LED will turn off and exit set-up mode and you will need to start over.

STEP 2: Press the CHANNEL UP [CH ▲] button to erase and exit Erase mode. The component LED light will blink three times to confirm the erasure.



NOTE: To erase other Macros, simply press the appropriate button in Step 1 in combination with the [MUTE] button.

Erasing SimpleSound & Other “Punch Through” Commands

STEP 1: Press and hold the Component button you want to erase volume control from, such as DVD or VCR and the SELECT [SEL] button at the same time for two seconds until the Component LED light turns on.

STEP 2: Press the VOLUME UP [VOL ▲] button and the same component button from Step 1. The component LED light will blink three times to confirm the erasure.



Repeat Steps 1–2 to erase SimpleSound commands from other components.

NOTE: To erase other “punch through” commands, simply press the following buttons in place of VOLUME UP in Step 2:

- For Channel Control, press: CHANNEL UP [CH ▲]
- For Transport Control, press: PLAY [▶]
- For OSD Control, press: [MENU]

Factory Reset

You can reset your WR7 remote to the original factory default settings.

Press and hold both the [TV] and RECORD [REC] buttons for about five seconds until the [CABLE/SAT] component LED light blinks five times. All programming and set-up codes that you have entered into the remote will be erased and the WR7 will return to the original factory default settings.

Warning

This procedure will erase all programming and set-up codes that you have entered into the remote.

**TV COMPONENT
BUTTON**

SAT/CABLE



RECORD



Pre-Programmed Code Tables

The WR7 Pre-Programmed code library is classified by category (Audio, CD, VCR/DVR, etc.).

Within each category, the code numbers are listed in rows by brand (Sony, Panasonic, B & K, etc.). Some brands have more than one three-digit code.

Circle the correct row and refer to it while you perform setup operations.

AUDIO	Amps, Preamps & A/V Receivers	36
CD	CD Players & Changers	37
VCR/DVR	VCRs, DVRs & Combo Units	38
AUX	iPod, Media PC, Gaming System, Lighting Controls	39
TV	TVs, Plasmas, Projectors & Monitors	40-41
DVD	DVD Players & Recorders	42
CABLE/SAT	Cable Set Top Boxes & Satellite Receivers	43

AUDIO

Brand	Code Numbers	Brand	Code Numbers
ADC	007	OUTLAW	342
ADCOM	082 092 225 161 269 355 356	PANASONIC	032 195 219 177 292 383
AINWA	170 018 104 202 203 213 211 188	PARASOUND	129 130 132 261 294 295 333 334
AKAI	189	PHILIPS	249 250 251 063 119 805
AMC	125 126 127 281 282	PIONEER	014 039 044 069 168 116 035 078 198 480
ANGSTROM	142	POLKAUDIO	515
ANTHEM	335 337	PROCEED	144 268
ARCAM	141 418	RCA	010 048 117 156 067 288
ATLANTIC TECHNOLOGY	342	REALISTIC	019 056 073 075 095
AUDIO FILE	071	ROTEL	074 083 085
AUDIO MATRIX	167	RUSSOUND	379 391 392
AUDIO TECHNICA	134	SAMSUNG	016 804
B & K	096 097	SANSUI	040 048 110 119 065 228
BOSE	070 170 224 347 409 460	SANYO	047
BOSTON ACOUSTICS	447	SCOTT	019 091
BRIX	555	SHARP	026 094 026 175
CARVER	006 028 061 071 201 214 226 185 022 077 284	SHERWOOD	024 102 106 447
CINEMA SOUND	134	SIRIUS	555
CITATION	148 272	SONY	018 247 248 166 101 184 218 271 369 372 380 800
CLARION	026	SOUNDESIGN	036
DELPHI	515	SSI	068
DENON	109 215 230 234 330 001(Default) 801	SUNFIRE	344 345 346
DVICO	802	TEAC	005 019 049 040 212 217
ELAN	057 290	TECHNICS	122 176 193 219 178 177 200 257 262
ENLIGHTENED AUDIO	099 098	THETA DIGITAL	136
ESCIENT	368 451	TOSHIBA	060 087 198 278
FISHER	047 214 182 297	XM SATELLITE RADIO	515
FLEXTRONICS	378	YAMAHA	026 253 169 067 173 264 232 089 264 274 285 373 803
FOSGATE AUDIONICS	231 342	ZENITH	143 210
GE	056		
GOLDSTAR	008		
HARMAN KARDON	231 233 153 154 118 318		
HITACHI	020		
INTEGRA	275 781		
INSIGNIA	589		
JAMO	398 799		
JCPENNEY	216		
JENSEN	058		
JVC	163 191 114 279 291		
KENWOOD	026 066 145 192 182 005 280 374		
KLH	331		
KOSS	216		
KRELL	072 376 384		
KYOCERA	007		
LEXICON	120 235 236 237 357 360		
LINN	124 377		
LUXMAN	139 052 165 115 004 009		
LXI	056		
MAGNAVOX	086 164 152 208		
MARANTZ	006 028 031 040 063 185 479 251 265 119 289		
MCINTOSH	238 286		
MERIDIAN	100 012 013		
MITSUBISHI	242 243 204		
MONDIAL	157 158 042 043 081 112		
MYRYAD	276 293		
NAD	113 283 478 479		
NAKAMICHI	040 244 245 172 183 287		
NEC	176		
NIRO	343		
NILES	403		
ONKYO	017 046 108 080 209 275		
OPTIMUS	026 041		

SATELLITE Radios

BRIX	555
DELPHI	515
POLKAUDIO	515
SIRIUS	555
SONY	380
XM SATELLITE RADIO	515



Brand	Code Numbers	Brand	Code Numbers
ADCOM	062 042	THETA DIGITAL	234 235
AINA	089 170 187	VICTOR	004 022
AKAI	202	WARDS	185 033
AMC	231 232	YAMAHA	024 046 054 186 183 245
ARCAM	238		
AUDIO ACCESS	119 147		
AUDIO EASE	165		
AUDIO TECHNICA	046		
CALIFORNIA AUDIO	147 008		
CARVER	185 041 050 107 130 134 135 138 139 203 204 167		
CREEK	159		
DENON	002 123		
EMERSON	042		
FISHER	050 185 134 008		
GENEXXA	010		
HARMAN KARDON	033 047 208		
HITACHI	042 175		
INKEL	130		
JCPENNEY	141		
JENSEN	158		
JVC	004 022 136 163 213 214 242 243		
KENWOOD	185 007 023 055 071 072 142 137 254		
KRELL	241 255		
KYOCERA	005		
LUXMAN	011 028 070 249 252		
MAGNAVOX	107		
MARANTZ	041 051 077 107 209 246		
MCINTOSH	212 247		
MEMOREX	010		
MISSION	107		
mitsubishi	179		
MONDIAL	147		
MYRYAD	244 155		
NAD	005 178		
NAKAMICHI	217 218		
NEC	062		
NIKKO	046		
NSM	107		
ONKYO	030 038 039 168 169		
OPTIMUS	010 050 081		
PANASONIC	147 172 008 068 248		
PARASOUND	233 240		
PHILIPS	041 107 246		
PIONEER	010 020 174 175 176		
PROCEED	239		
PROTON	107		
QUASAR	147 008		
RCA	017 042 150		
REALISTIC	042 050 051 187		
ROTEL	107 161 178 250		
SAE	107		
SANSUI	107 128 171 190 125		
SANYO	050		
SHARP	026 031 051		
SHERWOOD	051 096 112 115 119 166		
SIGNATURE	033		
SONY	048 081 097 126 133 177 001(Default) 226 164		
SOUNDESIGN	251		
SUMO	155		
SYLVANIA	107		
SYMPHONIC	052		
TANDY	010		
TEAC	051 052 233 079		
TECHNICS	147 172 184 008 068		

VCR/DVR

Brand	Code Numbers	Brand	Code Numbers
VCRs		SYMPHONIC 034	
AIWA	034	TANDY	010 034
AKAI	043	TATUNG	043
AMPRO	072	TEAC	034 043
ANAM	145	TECHNICS	145 070
AUDIO DYNAMICS	012 043	TEKNIKA	145 034 101
BROKSONIC	129	THOMAS	034
CANON	145	TMK	006
CRAIG	003 135	TOSHIBA	112 131 008 059 013
CURTIS MATHES	145	TOTEVISION	101
DAEWOO	010 112	VECTOR RESEARCH	012
DBX	012 043	VICTOR	048
DYNATECH	034 053	VIDEO CONCEPTS	012 034
ELECTROHOME	059	WARDS	003 013 145 034 053 131
EMERSON	006 145 034 101 129 131 153	YAMAHA	012 034 043
FISHER	003 010 008	ZENITH	072 048 101 034 058
FUNAI	034		
GE	145 072 147 144	TV/VCR Combos	
GOLDSTAR	101 013 012 123	EMERSON	153
HARMAN KARDON	012	FUNAI	034
HITACHI	004 034 043 013	GOLDSTAR	101 123
INSTANTREPLAY	145	HITACHI	034
JCL	145	JCPENNEY	101
JCPENNEY	012 013 101	LG	101 123
JENSEN	043	LLOYD	034
JVC	048 043 012 145	MAGNAVOX	034 067
KENWOOD	048 034	MEMOREX	101
LG	101 013 012 123	PANASONIC	070 167
LLOYD	034	PHILIPS	034 067
LXI	034 003	RADIO SHACK	123
MAGNAVOX	067 145 034	RCA	034
MARANTZ	067 012 145	SEARS	101
MARTA	101	SONY	057 154
MEI	145	SYLVANIA	067
MEMOREX	101 003 010 145 034 053 072 102	SYMPHONIC	034
MGA	059	THOMAS	034
MINOLTA	013	ZENITH	034
MTSUBISHI	059 013		
MTC	034	PVR, TIVO	
MULTITECH	034	HUGHES	001 (Default)
NEC	012 043 048	HUMAX	001
NORDMENDE	043	PHILIPS	001
OPTONICA	053	REPLAY NETWORKS	775
PANASONIC	070 145 167	SONY	804 805
PENTAX	013 145	TIVO	001
PHILCO	145 034 067	TOSHIBA	001
PHILIPS	145 067 034 101		
PILOT	101		
PIONEER	013 048		
PULSAR	072		
QUASAR	145		
RADIO SHACK	123		
RCA	144 147 145 013 034		
REALISTIC	003 008 010 145 034 053 101		
RICO	058		
SAMSUNG	102 112		
SANSUI	043 048 135		
SANYO	003 010 102		
SCOTT	112 129 131		
SEARS	003 008 010 013 101 112		
SHARP	149 145		
SIGNATURE	034		
SONY	057 058 003 145 149 154		
SOUNDESIGN	034		
STS	013		
SYLVANIA	145 034 059 067		

AUX

Brand Code Numbers

PC & iPod Controls

APPLE	401 412 476
BOSE	409
DLO	418
GRIFFIN	471
IPOINT	419
KENSINGTON	406
SONACE	419
TEN TECHNOLOGY	401

MEDIA PC Controls

DELL	001 262
GATEWAY	001 262
HAUPPAUGE	294 295
HP	001(Default) 262
KEYSPAN	297
SONY	001 262
TOSHIBA	001 262
WINBOOK	001 262

GAMING SYSTEM Controls

MICROSOFT / XBOX	408 107
SONY / PS2	414
SONY / PS3	598
AUDIO AUTHORITY / PS3	622

LIGHTING Controls

LITE-TOUCH	208 257
LUTRON	158 159 077
X-10	183 093

D2A

ARTEC	586
CASTI	587
CRAIG	588
DIGITAL STREAM	609
GRIDLINK	592
INET ACCESS	589
INSIGNIA	567
LASONIC	592
MAGNAVOX	584
RCA	585
SANSONIC	592
TIVAX	589 590
ZENITH	567
ZENTECH	610
ZINWELL	591 593

TV

Brand	Code Numbers
ABEX	025
ADMIRAL	072 251 333 160
ADVENT	247
ADVENTURA	002
AKAI	197 146 248 473 474 475 405
A MARK	112 143
AMPRO	167 073
AMSTRAD	052
ANAM	043 054 056 080 112
AOC	197 363 112 058
APEX DIGITAL	006 591
AQUAVISION	573 574
ASTAR	477
AUDIOVOX	076
BELCOR	116
BELL&HOWELL	333 072
BROKSONIC	238
BROCKWOOD	116
CAIRN	201
CANDLE	197 002 003 363
CAPEHART	058
CELEBRITY	001
CENTURION	197
CETRONIC	043
CITIZEN	197 002 003 363 043 258 103 143
CLASSIC	043
CLP CLASSIC	333
COLORTIME	116 197
CONCIERGE	073
CONCERTO	363
CONTEC	043 050 051
CORNEA	116
CORONADO	143
CRAIG	043 054
CROWN	043 143
CURTIS MATHES	197 258 363 143
CXC	043
DAEWOO	363 043 076 103 127 143
DAYTRON	363 143
DELL	319 320
DIGITAL PROJECTION	570
DIMENSIA	333
DREAMVISION	235
DUKANE	011 025
DUMONT	116 073
DURABRAND	096
DWIN	177 257
DYNASTY	043
DYNATECH	062
DYNEX	399
EIKI	187
ELECTROBAND	001
ELECTROGRAPH	470
ELECTROHOME	143 024 076 196
ELEKTRA	072
ELEMENT	363 494
EMERSON	028 048 043 155 005 197 363 047 050 051 076 096 143 151 153 154
ENVISION	116 197
ESA	323
FISHER	007 057
FUJITSU	198 246 346
FUNAI	028 043 052
FUTURETECH	043
GATEWAY	242 268

Brand	Code Numbers
GE	160 144 165 073 197 008 009 034 056 074 130 155 333 363
GEM	391
GIBRALTAR	116 073
GOLDSTAR	113 116 102 363 106 112 127 143
HALL MARK	363
HAIER	164 363
HANNSPREE	381
HISENSE	419 442
HITACHI	011 166 363 009 010 012 023 075 143 158 072 250 587
HP	316 327 378
HUMAX	518
ILO	472 399
INFINITY	164
INFOCUS	330 333 547 548 532
INTEQ	073
INSIGNIA	350 354 457 399 164 454
JANEIL	002
JBL	164
JCB	001
JCPENNEY	363 024 197 008 009 030 065 258 143 160
JENSEN	013
JVC	038 034 001 083 199 210 240 406 581
KAWASHO	116 001 197
KEC	043
KENWOOD	197 001
KLEGG	470
KLOSS	002 059
KMC	143
KONKA	457
KREISEN	530
KTV	043 197 143 154
KURAZAI	072
LG	113 116 102 106 112 127 143 284 363 569 576
LODGENET	072
LOEWE	164
LOGIK	072
LUXMAN	363
LXI	166 007 138 052 251 160 164
MAGNAVOX	164 059 197 003 060 061 363 063 064 127 022 160 094 226 467
MAJESTIC	333 072
MARANTZ	197 164
MATSUI	164
MAXENT	242
MEGATRON	116 197 011
MEMOREX	007 072 363
MGA	197 363 024 028 042
MIDLAND	333 073
MINUTZ	008
MITSUBISHI	109 124 024 363 028 040 042 146 348 450
MONTGOMERY WARD	333 072
MTC	197 363 062 258
NAD	138 025
NEC	130 134 197 040 024 056 019 237 262 272 575 577
NET TV	202
NIKEI	043

TV

Brand	Code Numbers	Brand	Code Numbers
NIKKO	116 197	SVA	328
NIKO	527	SYLVANIA	197 003 052 059 060 063 064 164 160 127 593
NORCENT	390	SYNTAX OLEVIA	333 144 160 376 432 363
NUVISION	351 567	TANDY	251
OLEVIA	432 363	TATUNG	056 062
ONKING	043	TECHNICS	034 080
ONWA	043	TECHWOOD	363
OPTIMUS	025	TEKNIKA	002 003 363 024 028 043 072 258 143
OPTONICA	019 251	TELEFUNKEN	037 046
OPTOMA	265 270 249	TELERENT	072
ORION	096	TERA	172
PANASONIC	034 056 080 164 208 524 583	TMK	363
PHILCO	197 003 059 060 064 164 363 024 056 063	TOSHIBA	138 030 007 040 062 258 325
PHILIPS	164 005 093 038 197 003 363 059 127 206 333 431 594	TOTEVISION	143
PILOT	116	TRUTECH	529
PIONEER	135 025 197 018 023 116 234 272 374 393	UNIVERSAL	008 009
POLAROID	323 328 353 354 356 457 494 505	VICTOR	038
PORTLAND	363 143	VIDEO CONCEPTS	146
PROSCAN	144 160 333 165 167	VIDIKRON	174 164 188 192 342
PROTON	363 112 058 143 171 172 193	VIDTECH	363
PROTRON	498 499 392 398	VIEWSONIC	242 433
PROVIEW	494	VIKING	002
PROX	572	VIORE	472 592
PULSAR	116 073	VISCO	494
QUASAR	034 056	VITO	363
RADIO SHACK	019 363 143 043 127	VIZIO	391 603
RCA	160 165 065 144 197 363 024 056 152 023 074 333 588	WARDS	363 008 009 019 028 060 061 063 064 072 074 143 164 034
REALISTIC	007 019 043 047	WESTINGHOUSE	076 276 001
REVOLUTION HD	470	YAMAHA	197 363 370 372 408
RUNCO	072 169 178 179 180 181 182 073 342 416 395	YORK	363
SAMPO	197 058 363 202	YUPITERU	043
SAMSUNG	050 089 105 363 127 143 160 228 229 258 578	ZENITH	073 072 095 103 284
SAMSUX	197	ZONDA	112
SANSUI	096 399		
SANYO	166 007 020 053 057 082 187		
SCEPTRE	276		
SCOTCH	116 197		
SCOTT	028 043 363 048 143 497		
SEARS	138 030 363 007 028 057 143 094 160 082 165 166		
SELECO	189 200 205 011		
SHARP	019 014 028 029 363 022 143 175 251 308 496		
SHOGUN	116		
SIGNATURE	072		
SIMPSON	003		
SONY	001(Default) 147 185 085 213 277 279		
SOUNDESIGN	028 363 003 043		
SOYO	528		
SPECTRICON	112		
SPECTRONIQ	499		
SSS	363 043		
SUPRA	116		
SUPRE MACY	002		
SUPREME	001		

DVD

Brand	Code Numbers
AWA	146
AKAI	281
ALPINE	098
APEX DIGITAL	087 282 115
BROKSONIC	130
CINEVISION	091
COBY	260
CYBERHOME	271
DENON	138 080 173
DURABRAND	091
DVD 2000	017
EMERSON	091 143
ESA	143
FISHER	147
FUNAI	143
GE	027
GO VIDEO	137 091 220 221 265
GOLDSTAR	091
HARMAN KARDON	084 140
HITACHI	101
ILO	268
INITIAL	282
INSIGNIA	143
INTEGRA	142 338
JBL	084
JVC	012
KENWOOD	151
KISS	279
KLH	135
KRELL	104
LEXICON	148
LG	091 057
LITEON	264 265
MAGNAVOX	001 096 143 282
MALATA	267
MARANTZ	083 095
MERIDIAN	153
MICROSOFT	027
MINTEK	282
MTSUBISHI	017
MYRYAD	102 134
NAD	088
NAKAMICHI	103
ONKYO	076 141 142 338
OPPO	266 341
OPTIMUS	107
ORION	130
PANASONIC	042 138 144 150 285
PHILIPS	001(Default) 083 095 166 344
PHILIPS-MAGNAVOX	141 001
PIONEER	023 092 099 107 108 131 304
POLAROID	233
POLK AUDIO	141 001
PROSCAN	027
RCA	027
RJTECH	269
SAMSUNG	056 165 170 137 159 275
SANSUI	130
SANYO	147
SEARS	130
Sensory Science	265
SHARP	094
SONY	033 118 145 126 191 286 242 243 343
SUPERSCAN	143
SV2000	143

Brand	Code Numbers
SYLVANIA	143
SYMPHONIC	143
TATUNG	102
TEAC	107
TECHNICS	042
TECHWOOD	088
THOMPSON	027
TOSHIBA	130 141 164 188 273
VENTURER	149
X-BOX	027
YAMAHA	042 089 166 138 197 334
ZENITH	057 091

BLU-RAY & HD DVD's

LG	091
PANASONIC	285
PIONEER	304
SAMSUNG	275
SONY	286
TOSHIBA	273

DVD Recorders

CYBERHOME	271
GO VIDEO	220 221 265
ILO	268
KISS	279
LITEON	265
PANASONIC	138
SENSORY SCIENCE	265
SONY	191
TOSHIBA	188

TV/DVD Combos

AWA	146
AKAI	281
DURABRAND	143
ESA	143
FUNAI	143
INSIGNIA	143
MAGNAVOX	282
MINTEK	282
SAMSUNG	165
SV2000	143
SYLVANIA	143
SYMPHONIC	143
TOSHIBA	130

TV/DVD/VCR Combos

EMERSON	143
INSIGNIA	143
MAGNAVOX	143
PANASONIC	144
SUPERSCAN	143
SYLVANIA	143
TOSHIBA	164

DVD/VCR Combos

GO VIDEO	137
PANASONIC	150
PHILIPS	001 (VCR Functions for VCR 067)
SAMSUNG	137 159
SANSUI	130
SONY	145 191
TOSHIBA	141
ZENITH	091 (VCR Functions for VCR101)

CABLE/SAT

Brand	Code Numbers	Brand	Code Numbers
CABLE BOXES		SUSQUEHANNA	001 074
ABC	004 042 053	TELNET	154
ADB	315 254 255 259	TIME WARNER	001 074
ADELPHIA	001 074	TOCOM	056
ADVANCED NEWHOUSE	001	UNITED CABLE	004 053
ALTRIO	001	VERIZON	110
AMERICAST	099	VIDEOTRON	001
AMINO	256 257 260 261	VIEWSTAR	012 015
ARMSTONG	074	WEGENER	250
AT&T BROADBAND	074 035	WIDE OPEN WEST	001 099
ATLANTIC BROADBAND	001 074	ZENITH	093 100
BELL SOUTH	099		
BLUE RIDGE	001 074	SATELLITE RECEIVERS	
BRESNAN	074	CABLEVISION	148
BRIGHT HOUSE	001 110	DIRECTV	173
BUCKEYE COMM	074	DISH NETWORK	122
CABLEVISION	001 074 108	ECHOSTAR	122
CHARTER	001 074	EXPRESSVU	122
CISCO	001 041 042 045 313 035 356	GENERAL ELECTRIC	116 150
COGECO	074	GENERAL INSTRUMENT	148
COMCAST	001 074 110 313	GOI	122
COMSAT	074	HITACHI	139 140
COX DIGITAL	001 074	HTS	122
DIGEO	111	HUGHES	114
EAGLE	020 030	JVC	122
EASTERN	057	LG	170
ENTONE	316 258	MITSUBISHI	114
GEMINI	008	MOTOROLA	148
GENERAL INSTRUMENT	074 104	NEXT LEVEL	148
GNC	099	NFUSION	192
GOLDEN CHANNEL	030	PANASONIC	142 160
HAMLIN	049 055	PHILIPS	152 153 156 114
HITACHI	055	PROSCAN	116 150
INSIGHT	074	RADIOSHACK	148
JERROLD	074 004 002 008 009 010 069	RCA	116 150
MAGNAVOX	010 012	SAMSUNG	155 163 169 175
MASSILLON	074	SKY	164
MEDIACOM	074	SONY	115
MOTOROLA	074 110 148 111 112 036	STAR CHOICE	148
MOXI	111 252 086	TOSHIBA	127 114 158
MYRIO	254 255	VOOM	148
NCTC	074		
NOW TV	314		
NSC	015 038		
OAK	031 053		
PACE	001 074 110 313		
PANASONIC	044 047		
PHILIPS	006 012 013 020 085		
PIONEER	001(Default) 034 051 063 105		
QUEST	112		
RCA	047		
RCN	074		
REGAL	049		
REGENCY	057		
RODGERS	001		
SAMSUNG	030		
SCIENTIFIC ATLANTA	001 041 042 045 035		
SEREN	001		
SERVICE ELECTRIC	074		
SHAW	074		
SIGECOM	001		
SONY	108		
SPRUCER	047		
STARCOM	002 004 008 009		
STARGATE	008 030 104		

Frequently Asked Questions

If the batteries run out, will I lose my settings?

No. The WR7 stores all of your settings in non-volatile FLASH memory. You could remove the batteries for months, replace them at your convenience, and the WR7 would still remember your settings.

What is MacroPower?

MacroPower is a very useful way to make a lot of things happen with one button push. For example, in most home theaters, to watch television, the user must turn on the TV, then turn on the Cable Box or the Satellite Receiver, then turn on the Surround Sound system for sound. Instead of pressing all of those buttons one at a time, MacroPower enables you to turn on all of these components, in the sequence you want, with one button push. For more information on why and how you should program MacroPower commands, refer to page 21 in this Manual.

What if my remote control no longer works from a distance?

Replace the batteries with new Alkaline batteries.

Who can I contact for more answers?

The Universal Remote Control technical support and customer service staff are ready to answer any questions you might have.

E-Mail us at techsupport@universalremote.com

Visit our website www.universalremote.com

Call us at (914) 835-4484

Monday - Friday, 9AM to 6PM (EST)

USA Limited Warranty

UNIVERSAL REMOTE CONTROL, INC. warrants this product against defects in material or workmanship for a period of one (1) year and as set forth below. Universal Remote Control will, at its sole option, repair the product using new or comparable rebuilt parts, or exchange the product for a comparable new or rebuilt product.

This warranty not does apply to the following:

- Units purchased from unauthorized resellers.
- Units purchased second-hand (used).
- Units installed or deployed for rental or commercial use.
- Damage caused by misuse, neglect, or acts of nature.
- Products that have been modified or incorporated into other products.
- Products purchased more than 12 months ago.

Specifications

Learning Capability

.....80 buttons for any component

Macro Capability

.....13 Macros of up to 20 steps each

Non-Volatile Flash Memory

.....64 KByte

IR Range (Line of Sight via Infrared)

.....30-50 feet, depending on operational environmental conditions

Weight6.9 oz. (with batteries)

Size2 1/8"W x 8 3/4"H x 1 1/8"D

BatteriesTwo AA Alkaline batteries (included)

MEMO

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UNIVERSAL[®]
remote control

The Pioneer in Control Technology

500 Mamaroneck Avenue, Harrison, NY 10528

Phone: (914) 835-4484 Fax: (914) 835-4532

www.universalsremote.com