

WR7 Pre-Programmed & Learning REMOTE CONTROL

Owner's Manual



Congratulations!

With your new WR7 universal remote, you now have the power to control your home entertainment system with just one easy-to-use control. Thousands of audio and video component codes have already been programmed into the remote for you, making it a breeze to set up. Be sure to install the included batteries first. See page 6 for instructions.

Quick Set-up

Note: Selecting the proper Component button is a key to your success. If you have a combination component that includes a DVD or Blu-Ray player, use the DVD button regardless of other functions, so that the DVD transport controls will work properly. Select SAT/CABLE for your cable box so the Menu, Guide, Info and Exit buttons work correctly.

Set-up one component at a time, and you'll move quickly through your system.

STEP 1: Turn on the component you want to activate. (Other components can be on or off, it doesn't matter.)

STEP 2: Point your new WR7 universal remote toward the component and press the appropriately labeled Component button (TV for TV, DVD for DVD, etc.) **While holding this button down**, press the numeric assigned to your brand in the Quick Set-up Code Table (See Page 2) and release both Component button and the number key to save the code. The component light will blink three times to confirm that the code has been stored.

STEP 3: Point the remote control at the component.

STEP 4: Press the power button. If it turns off, it is programmed for your component. If it does not turn off, use the Pre-Programmed 3-Digit code Method or Auto-Search Method.

Check your work before you move to the next component. Press the POWER [ON] button to turn the component back on. Next, test the VOLUME and CHANNEL buttons (or PLAY and STOP buttons for VCR and DVD). Repeat Steps 1-4 to activate up to seven components.

Didn't work for one of your components?
See other set-up options on page 9.

Quick Set-up Code Tables

AUD

| Quick Number | Manufacturer/Brand |
|--------------|--------------------|
| 0 | ROTEL |
| 1 | DENON |
| 2 | PHILIPS |
| 3 | MARANTZ |
| 4 | LUXMAN |
| 5 | INTEGRA |
| 6 | HARMAN KARDON |
| 7 | PIONEER |
| 8 | BOSE |
| 9 | LEXICON |

DVD

| Quick Number | Manufacturer/Brand |
|--------------|--------------------|
| 0 | INSIGNIA |
| 1 | PHILIPS |
| 2 | HITACHI |
| 3 | SAMSUNG |
| 4 | PHILIPS MAGNAVOX |
| 5 | PANASONIC |
| 6 | LG |
| 7 | JVC |
| 8 | DENON |
| 9 | PIONEER |

CD

| Quick Number | Manufacturer/Brand |
|--------------|--------------------|
| 0 | DENON |
| 1 | SONY |
| 2 | SANYO |
| 3 | JVC |
| 4 | KENWOOD |
| 5 | MARANTZ |
| 6 | NAD |
| 7 | YAMAHA |
| 8 | ONKYO |
| 9 | RCA |

SAT/CABLE

| Quick Number | Manufacturer/Brand |
|--------------|--------------------|
| 0 | LG |
| 1 | SCIENTIFIC ATLANTA |
| 2 | SAMSUNG |
| 3 | DIRECTV |
| 4 | ECHOSTAR |
| 5 | TOSHIBA |
| 6 | CABLEVISION |
| 7 | SAMSUNG |
| 8 | GE |
| 9 | JERROLD |

VCR

| Quick Number | Manufacturer/Brand |
|--------------|--------------------|
| 0 | MITSUBISHI |
| 1 | HUGHES, TIVO |
| 2 | PHILIPS |
| 3 | JVC |
| 4 | SAMSUNG |
| 5 | PANASONIC |
| 6 | PHILIPS MAGNAVOX |
| 7 | TOSHIBA |
| 8 | PIONEER |
| 9 | LG |

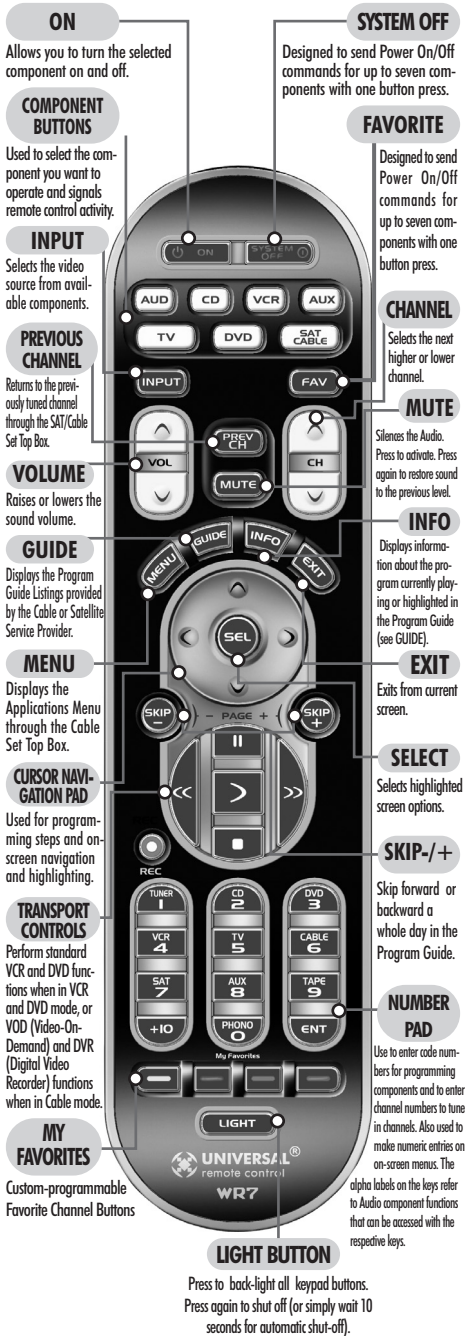
AUX

| Quick Number | Manufacturer/Brand |
|--------------|--------------------|
| 0 | BOSE |
| 1 | HP |
| 2 | ONKYO |
| 3 | APPLE / iPod |
| 4 | MICROSOFT / XBOX |
| 5 | SONY / PS2 |
| 6 | LUTRON |
| 7 | X-10 |
| 8 | YAMAHA |
| 9 | ROKU |

TV

| Quick Number | Manufacturer/Brand |
|--------------|--------------------|
| 0 | SANYO |
| 1 | SONY |
| 2 | SAMSUNG |
| 3 | LG |
| 4 | TOSHIBA |
| 5 | PANASONIC |
| 6 | PHILIPS |
| 7 | HITACHI |
| 8 | SHARP |
| 9 | VIZIO |

Keypad Layout and Button Functions



ON

Allows you to turn the selected component on and off.

SYSTEM OFF

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

COMPONENT BUTTONS

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

FAVORITE

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

INPUT

Selects the video source from available components.

CHANNEL

Selects the next higher or lower channel.

PREVIOUS CHANNEL

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

MUTE

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

VOLUME

Raises or lowers the sound volume.

INFO

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

GUIDE

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

EXIT

Exits from current screen.

MENU

Displays the Applications Menu through the Cable Set Top Box.

SELECT

Selects highlighted screen options.

CURSOR NAVIGATION PAD

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

SKIP-/+

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

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.

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.

MY FAVORITES

Custom-programmable Favorite Channel Buttons

LIGHT BUTTON

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

Table of Contents

| | |
|--|--------------|
| Quick Set-up | 1 |
| Keypad Layout & Button Functions | 3 |
| Getting Started – Overview | |
| • Battery Installation | 6 |
| • Activation Overview..... | 6 |
| • Using Component Buttons | 7 |
| • Learning Capability | 7 |
| • Light Button..... | 7 |
| • Low Battery Warning | 7 |
| • Couch Mode | 7 |
| Get Started with the Basics..... | 8 |
| • Quick Set-Up..... | 9 |
| • Three-Digit Set-up..... | 10-11 |
| • Auto-Search Set-up..... | 12-13 |
| • Set-up Using the Learning Method | 14-16 |
| Activating Optional Advanced Features..... | 18-19 |
| • MacroPower™ Total System On/Off..... | 20 |
| • “My Favorites” – Favorite Channels..... | 21 |
| • Turning Component buttons into Macros | 22 |
| Activating Punch Throughs | 23 |
| • SimpleSound™ Total System Volume Control | 24-25 |
| • Channel Control Punch Through | 26 |
| • Transport Control Punch Through | 27 |
| • OSD (On-Screen Display) Control Punch Through | 28 |

Erasing Commands -

| | |
|--|-----------|
| Overview | 29 |
| • Erasing a Single Learned Command | 30 |
| • Erasing All Learned Commands from One Component | 31 |
| • Erasing MacroPower & Other Macro Commands | 32 |
| • Erasing SimpleSound & Other “Punch Through” Commands | 33 |
| • Factory Reset | 34 |

Finding a Component’s Set-Up

| | |
|--------------------------|-----------|
| Code Number | 35 |
|--------------------------|-----------|

Pre-Programmed

| | |
|--------------------------|-----------|
| Code Tables | 36 |
| • AUDIO | 37 |
| • CD..... | 38 |
| • VCR/DVR | 39 |
| • AUX | 40 |
| • TV | 41-42 |
| • DVD..... | 43 |
| • CABLE/SAT | 44 |

| | |
|-------------------|-----------|
| FAQs | 45 |
|-------------------|-----------|

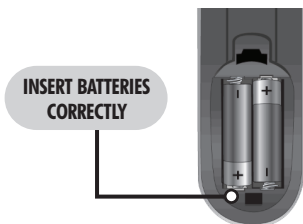
| | |
|-----------------------|-----------|
| Warranty | 46 |
|-----------------------|-----------|

| | |
|-----------------------------|-----------|
| Specifications | 46 |
|-----------------------------|-----------|

Getting Started - Overview

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.



Activation overview control up to seven components

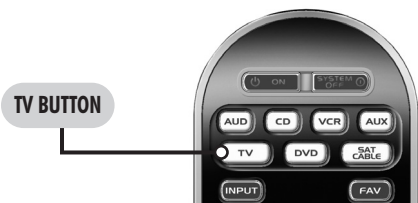
Your WR7 Universal remote control is designed to operate virtually all brands of AUDIO, TV, DVD, VCR/DVR, CD, SAT/CABLE and AUX (Light, Music Server, PS2, etc.) components.

Component Buttons

Be sure to match your component to the proper Component button on the top of the remote.

If your component is a combination device that includes a DVD option, set up the DVD or AUX button so that the transport controls will work properly.

The AUX (Auxiliary) 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.



Component Buttons

Using Component Buttons

Once you have activated the WR7 remote for all of your components, you can simply press a Component button at the top of the remote, and the buttons on the WR7 will work with that component.

Each time you press a button on the remote, the Component button light will turn on, indicating 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 our pre-programmed database. See *page 14 for instructions*.

Light Button

Your WR7 universal remote features a fully backlit keypad for low light or darkened conditions. Press the LIGHT button to turn on the keypad backlight. Press again to turn off (or simply wait 10 seconds for automatic shut-off).

Low Battery Warning

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

Couch Mode

We're watching out for your batteries. Your WR7 remote is designed to automatically turn itself off if a button is pressed for more than 30 seconds. This prevents battery power from being depleted if the remote accidentally slips between the couch cushions.

We love to help!

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Three ways to get started

There are three ways you can activate your new WR7 universal remote control using its pre-programmed codes.

1. Quick Set-Up (page 9)
2. Three-Digit Code Set-up (page 10)
3. Auto—Search Set-up (page 12)

Component Buttons

Selecting the proper Component button is a key to your success. If you have a combination component that includes a DVD or Blu-Ray player, use the DVD button regardless of other functions, so that the DVD transport controls will work properly. Select SAT/CABLE for your cable box so the Menu, Guide, Info and Exit buttons work correctly. In addition to activating the preprogrammed codes, the WR7 universal remote has the capacity to learn from your component remote. See *instructions on page 14*.

AUX Component Button

While most component buttons are self-explanatory, the AUX Component button is designed for components such as Xbox , PS2 or PC media centers. Simply set up the [AUX] button in the same manner as any other component using Quick Set-Up, the 3- Digit Set-up or Auto-Search Set-up.

The AUX button can also be used for other components such as a second TV, DVD, or any other audio/video component that you may have in your system. You may need to activate the key as a Macro if you are connecting a second DVD or VCR. See *page 17 for more information on automated activity macros*.

1. Quick Set-up

Set-up one component at a time, and you'll move quickly through your system.

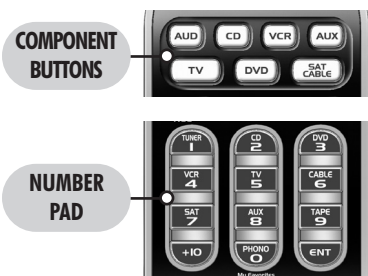
Step 1: Turn on the component you want to activate. (Other components can be on or off, it doesn't matter.)

STEP 2: Point your new WR7 universal remote toward the component and press the appropriately labeled Component button (TV for TV, DVD for DVD, etc.) **While holding this button down**, press the numeric assigned to your brand in the Quick Set-up Code Table (See Page 2) and release both Component button and the number key to save the code. The component light will blink three times to confirm that the code has been stored.

STEP 3: Point the remote control at the component.

STEP 4: Press the power button. If it turns off, it is programmed for your component. If it does not turn off, use the Pre-Programmed 3-Digit code Method or Auto-Search Method.

Check your work Press the POWER [ON] button 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. Repeat steps one through four until all your components are set up properly.



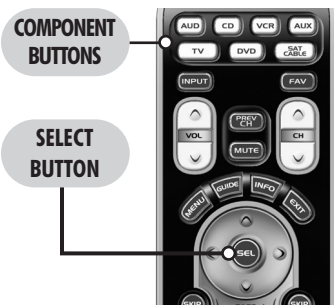
2. Three-Digit Set-up

STEP 1: Find the 3-digit code numbers for your component type and brand from the lists in the back of this manual. The codes are listed by component type (TV, VCR, DVD, etc.), then by brand name. **Be sure to identify the list of codes for the correct component and brand.** For instance, if you would have a Sony television, first locate the TV category, and then look for the Sony brand. Be careful. Codes for Sony DVDs may be different than from Sony TVs.

You may want to write the numbers down on a piece of paper before moving to step two.

STEP 2: Turn on the component you want to activate. (Other components can be on or off, it doesn't matter.)

STEP 3: On your WR7 universal remote, press the Component button that you want to set up and the SELECT [SEL] button at the same time. Hold down both buttons for two seconds until the Component light turns on. This signals that you are in set-up mode, and you can then release the buttons.



STEP 4: Point the WR7 toward the component and use the number buttons 0-9 to punch in the first 3-digit code for that specific component.

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

Note: If you do not press a button within 30 seconds, the component light will turn off. The remote will exit the set-up mode, and you will have to start over with step three.

STEP 5: Check your work. Once you've entered the code number and the component has turned off, press the POWER [ON] button 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 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 Steps 4 and 5 until you find a perfect match.

STEP 6: Save your work. Once you've entered a correct code that turns off your component, you must save it. Press the Component button you just activated one more time to save the code number. The Component light will blink three times to confirm that the code was successfully stored.

IMPORTANT: *If you have tried all the setup codes in the list and the component still did not turn off, either the Auto-Search Set-up (page 12) or the Learning Method (page 14) will help you activate your component. If you need assistance, contact our technical support center at 1-800-901-0800 or techsupport@universalremote.com, and we'll be glad to walk you through it.*

We love to talk!

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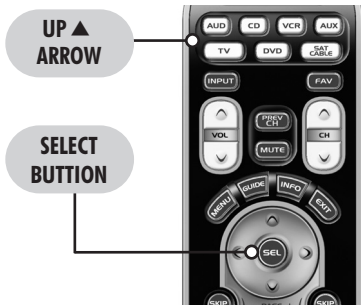
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3. Auto-Search Set-up

The Auto-Search Set-up scans through all of the codes in the table to find the right code for your component. Use this method for components you cannot set up with either the Quick Set-Up or 3-Digit Set-up. This step is not difficult, but tests your patience, as it takes about five minutes to work through the entire table.

STEP 1: Turn on the component you want to activate. (Other components can be on or off, it doesn't matter.)

STEP 2: On the WR7, press the Component button that you want to set up and the SELECT [SEL] button at the same time. Hold down both buttons for two seconds until the Component button light turns on. This signals that you are in set-up mode and can release the buttons.



STEP 3: Point the WR7 remote control toward the component and press the UP or the DOWN arrow button on the navigation pad. 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 to the component.



Navigation Pad

Continue pressing the up or down button, in approximately one second intervals, until the component turns off. (DO NOT alternate the up and down button. You want to move in only one direction.)

STEP 4: Once the component has turned off, check your work. 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 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: Save your work. Once you have found the right code, you must save it. Press the component button you just activated one more time to save the code number. The component light will blink three times to confirm that the code was successfully stored.

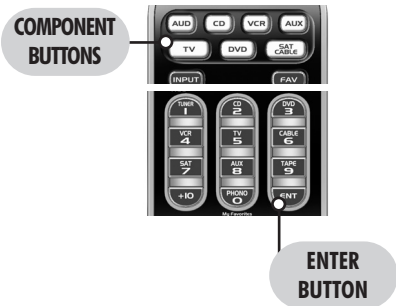
Note: *It may take up to five minutes to work your way through the entire pre-programmed table.* If you cannot find the right code after 5 minutes of trying the Auto-Search Method, try the Learning Method (page 14)

Set-up 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 the two remotes' infrared (IR) window touching, or nearly touch.



STEP 2: On the WR7, press the Component button that you want to set up and the ENTER [ENT] button at the same time. Hold down both buttons for two seconds until the Component button light turns on. This signals that you are in set up mode.



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. The TV Component button light will blink once indicating that the WR7 is ready to learn the command.

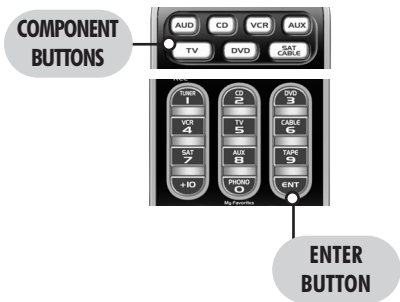
STEP 4: Press and hold the appropriate button on the other remote until the component button light on the WR7 blinks twice. This indicates the WR7 has learned the command from your other remote.

Didn't work? Tap and release the button on your old remote instead of pressing and holding the button down See other tips on page 16.

STEP 5: 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 light will blink five times if there was an error in the learning process. In this case, please repeat Steps 3 and 4.

STEP 6: Save your work. Once the WR7 has learned all the buttons for the selected component, press and hold the Component button and ENTER [ENT] buttons at the same time to save the learned functions. The component light will blink three times to confirm the set up.



Check your work. Test all the buttons to make sure they learned correctly. Repeat Steps 1-5 to set up any other component modes.

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

- Infrared (IR) beams on all remotes are sensitive to light, and can be impacted several ways. Here are some things to look out for:
 - If you have a Plasma TV, move farther away from it or to another room while working with the remotes.
 - Avoid programming under fluorescent light or direct sunlight. Close your curtains during the day.
 - If you have a glass top or metal table, put a cloth between the table and the remotes to reduce reflections. It's a great use for your black t-shirts.
- 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 and release the button on your old remote instead of pressing and holding the button down

Here are some additional facts regarding the learning process:

- Learned functions override any existing preprogrammed 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. See page 28.
- 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

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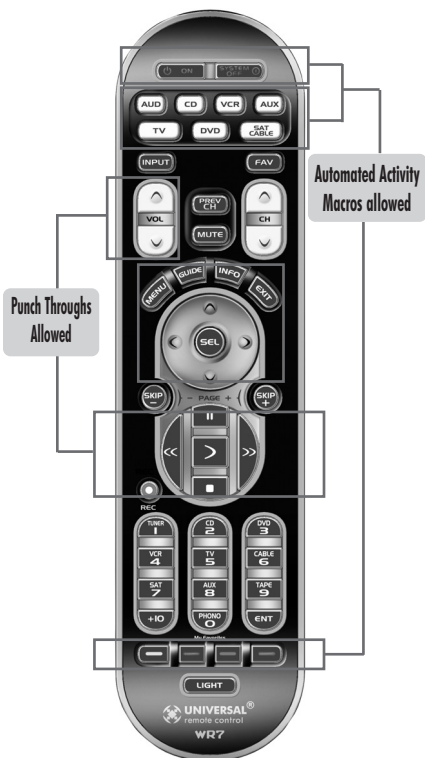
Want more?

Activating Optional Advanced Features

Now that you've got your components up and running, you can stop right here. Or if you are adventurous, you can set up optional advanced features including Automated Activity Macros and Punch Throughs.

The WR7 has 13 Automated Activity Macro buttons. Macros can be set up to automatically fire off a sequence of commands. Set it up, press the button, and watch it happen just the way you wanted.

Optional Punch Throughs are special commands that control components without having to press the Component buttons at the top of the remote. Volume, channel selection and DVD/VCR transport controls can be set up with punch throughs.



What to know before you start:

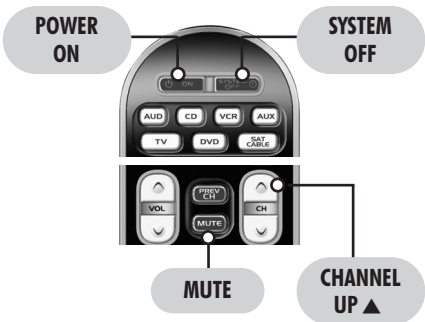
- You can program up to 20 sequential commands on a Macro button.
- You can program delays in between commands by pressing the [PAUSE] button on the transport control.
 - Each press adds a one-half second delay.
 - If you add the delay time as the first step of Macro commands, the remote will not send the Macro unless the button is held for two seconds.
- You can set up macro commands in layers by pressing the [STOP] button in between commands. This will allow you to rotate commands, and is typically used to program channel lists. For example, when working the “My Favorites” button, if you press [009], [STOP], [035], [STOP], [365], [STOP] 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 set-up the [CH ▲ ▼] or [PAUSE ||] buttons with macros.
- You also can set up the “FAV” button above the channel control as a favorite macro (like watch a movie), or you can save it to learn your favorite channel list from your cable/SAT remote control.

MacroPower™ Total System On or Off

MacroPower makes several devices work together while pressing just one button. If you want to turn on your TV, DVD player and Surround Sound receiver by pressing a single button, you can. Both the Power On and the System Off buttons can be set up for MacroPower control.

Note: Most components use the same signal to turn the power on and off. You may want to set-up MacroPower only in the POWER [ON] button and save the [SYSTEM OFF] button to turn components on or off individually.

STEP 1: To set-up MacroPower for the POWER [ON] button, press the POWER [ON] button and the [MUTE] button at the same time for two seconds until any one of the Component lights turns on. Release the buttons before going on to step 2.



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

Note: If you do not press a button within 30 seconds, the component light will turn off. The remote will exit the set-up mode, and you will have to start over with step one.

STEP 3: Once you've entered all the Power On commands, press the CHANNEL Up [CH ▲] button to save your MacroPower commands. The Component light will blink three times to confirm that the activation has been successfully saved. Repeat for System Off button if desired.

"My Favorites" Button

The four [MY FAVORITES] buttons at the bottom of the remote can be set up as dedicated Favorite Channel buttons or lists.

Set up a dedicated Favorite Channel:

STEP 1: Press the [CABLE/SAT] button

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 light turns on.

STEP 3: Using the Number Pad, punch in the Channel number that you want to store in the My Favorites button.

STEP 4: Press the CHANNEL UP [CH ▲] button to store the commands entered. The [CABLE/SAT] Component light will blink three times to confirm the set-up.

Set up a Top 5 "My Favorites" List:

Each of the four "My Favorite" buttons can be set up to surf/rotate through up to five channels. Set up lists for family members or choose to set up category lists such as music, movies or sports.

STEP 1: Press the [CABLE/SAT] button

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 light turns on.

STEP 3: Write down the list of channels, and punch them in sequentially, pressing the stop button between each channel. For example, if you press [009], [STOP], [035], [STOP], [365], [STOP] 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.



STEP 4: Save your work. After you have input your five channels, Press the CHANNEL UP [CH ▲] button to store the commands entered. The [CABLE/SAT] Component light will blink three times to confirm the set-up.

Set up Component buttons as Automated Activity Macros

Each Component button can be set up to send a series of commands to any or all of the components that you already set up. Our favorite macro is turning the DVD button into a “Watch a Loud Movie” command, so that you can press one button to turn on the DVD, TV and Audio system. Then all you have to do is put in the DVD, hit play, and turn up the volume. No more juggling multiple remotes and trying to remember all the commands.

Here’s how you can set that up.

STEP 1: Write down the sequence of events you desire on a piece of paper. For instance: Turn off Cable/Sat, Turn on TV, Set TV Input to DVD, Turn on DVD, Turn on AUD, set AUD Input to DVD. (Your steps may vary up to a maximum of 20 activities). You might want to do a dry run to make sure you have all the activities in order.

STEP 2: Press and hold the DVD Component button.

STEP 3: Press and hold the [MUTE] button until the DVD Component light turns on.

STEP 4: Input all steps of the actions that you wrote down in step one. For instance, press Cable/Sat, press power off, press TV, press power on, change TV input to DVD, press AUD, press power on, etc.

STEP 5: Save your work. After you have input your commands, Press the CHANNEL UP [CH ▲] button to store this series of commands as an automated activity macro. The [DVD] Component light will blink three times to confirm the set-up.

You can use this same method to input multiple commands to any of the Component buttons. For instance, you can set up the CD button to turn on both the CD player and the AUDIO system, or use the AUX to turn on your PS2 and the TV.

TV input button not working right? You may want to teach your new WR7 remote from your TV remote. See page 14 for the Learning Method.

Setting Up Optional Punch Throughs

Punch Throughs are special commands that control components without having to press the Component buttons at the top of the remote.

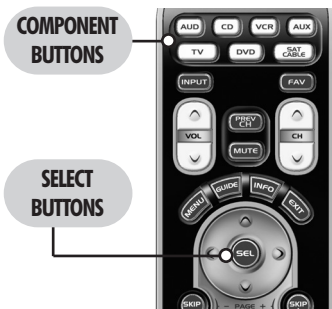
If you find yourself switching to a particular component mode frequently to access a particular control, (TV Volume up or down, for example) consider setting up a Punch Through.

SimpleSound™ Total System Volume Control Punch Through

SimpleSound 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. It saves you the hassle of switching between component modes just to control volume.

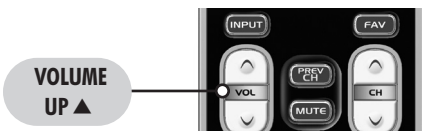
STEP 1: Identify which device in your system will be used to deliver sound. In a basic system, the sound may come from your TV speaker. In a more advanced system, the sound may come from your audio components (such as a Surround Sound Receiver or Home Theatre system).

STEP 2: 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 light turns on. Release the buttons.



STEP 3: 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 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.



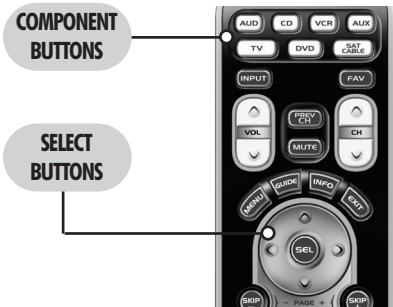
Component Buttons

Note: If you do not press a button within 30 seconds, the component light will turn off. The remote will exit the set up mode, and you will have to start over with step one.

Channel Control Punch Through

This punch through lets you set up the WR7 remote 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 light turns on. Release the buttons.



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

Note: If you do not press a button within 30 seconds, the component light will turn off. The remote will exit the set up mode, and you will have to start over with step one.

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

Channel Control Punch Through

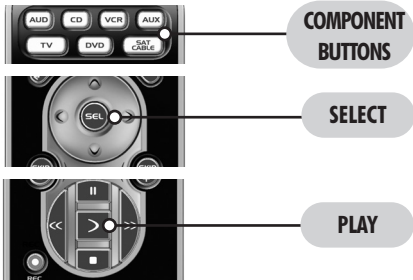
This punch through enables you to set up the WR7 remote so that VCR or DVD Transport Controls (PLAY, STOP, FF, REW, PAUSE, SKIP and RECORD) will also operate in other component modes on the remote control.

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.

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

Note: If you do not press a button within 30 seconds, the component light will turn off. The remote will exit the set up mode, and you will have to start over with step one.

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



Transport controls

OSD (On-Screen Display) Control Punch Through

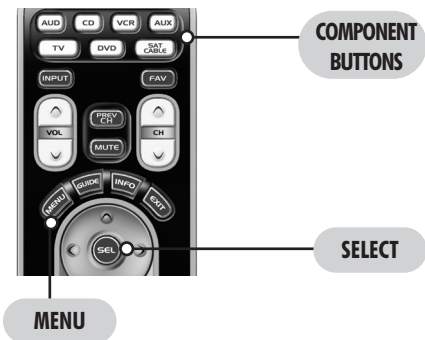
This “punch through” enables you to set up the WR7 so that CBL or DVD OSD Controls (MENU, GUIDE, INFO, EXIT, SEL and 4 Cursor Controls) will also operate in other component modes on the remote control.

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.

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

Note: If you do not press a button within 30 seconds, the component light will turn off. The remote will exit the set up mode, and you will have to start over with step one.

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.



On Screen Display (OSD)

Erasing Commands - Overview

If you have set up your macros and punch throughs, you should be able to put all your other controls away for safe keeping.

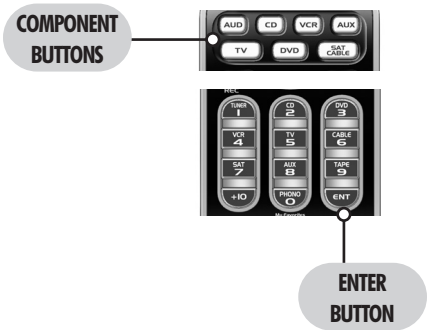
However, you may find one pesky control you want to change or get rid of. The WR7 allow you to erase commands easily.

You can erase a single learned command, all learned commands in each component mode, Simple Sound programming, MacroPower commands, or reset the remote to original factory default settings.

These next few pages walk you through the process.

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.



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

Note: If you do not press a button within 30 seconds, the component light will turn off. The remote will exit the set up mode, and you will have to start over with step one.

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

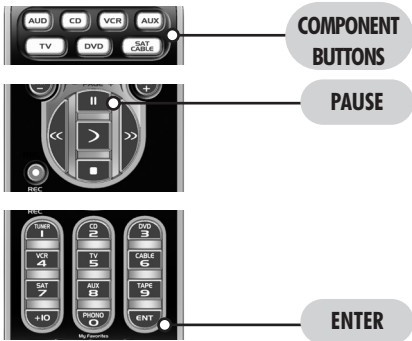
STEP 4: To exit Erase mode, press and hold both the component button and the [ENTER] button at the same time until the component light blinks three times.

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.

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.

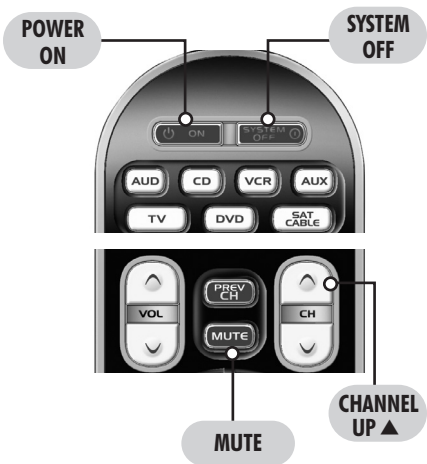


Note: If you do not press a button within 30 seconds, the component light will turn off. The remote will exit the programming mode, and you will have to start over with step one.

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.



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: If you do not press a button within 30 seconds, the component light will turn off. The remote will exit the programming mode, and you will have to start over with step one.

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.

Finding a Component's Set-up Code Number

If you used the Auto-Search or Learning Methods to set up 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 light turns on.

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.

Note: *If you do not press a button within 30 seconds, the component light will turn off. The remote will exit the programming mode, and you will have to start over with step one.*

Example: One blink, pause, eight blinks, pause, three blinks indicates code number 183. Note that ten (10) blinks represent the number 0.

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 | 37 |
| CD | CD Players & Changers | 38 |
| VCR/DVR | VCRs, DVRs & Combo Units | 39 |
| AUX | iPod, Media PC, Gaming System, Lighting Controls | 40 |
| TV | TVs, Plasmas, Projectors & Monitors | 41-42 |
| DVD | DVD Players & Recorders, and Combo Units. | 43 |
| CABLE/ SAT | Cable Set Top Boxes & Satellite Receivers | 44 |

AUDIO

| Brand | Code Numbers |
|---------------------|--|
| ADC | 007 |
| ADCOM | 082 092 225 161 269 355 356 |
| AIWA | 170 018 104 202 203 213 211 188 |
| AKAI | 189 |
| AMC | 125 126 127 281 282 |
| ANGSTROM | 142 |
| ANTHEM | 335 337 |
| ARCAM | 141 418 |
| ATLANTIC TECHNOLOGY | 342 |
| AUDIO FILE | 071 |
| AUDIO MATRIX | 167 |
| AUDIO TECHNICA | 134 |
| B & K | 096 097 |
| BOSE | 070 170 224 347 409 460 |
| BOSTON ACOUSTICS | 447 |
| BRIX | 555 |
| CARVER | 006 028 061 071 201 214 226 185 022 077 284 |
| CINEMA SOUND | 134 |
| CITATION | 148 272 |
| CLARION | 026 |
| DELPHI | 515 |
| DENON | 109 215 230 234 330 001(Default) 801 |
| DVICO | 802 |
| ELAN | 057 290 |
| ENLIGHTENED AUDIO | 099 098 |
| ESCIENT | 368 451 |
| FISHER | 047 214 182 297 |
| FLEXTRONICS | 378 |
| FOSGATE AUDIONICS | 231 342 |
| GE | 056 |
| GOLDSTAR | 008 |
| HARMAN KARDON | 231 233 153 154 118 318 |
| HITACHI | 020 |
| INTEGRA | 275 781 |
| 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 |
| NILES | 403 |
| ONKYO | 017 046 108 080 209 275 |
| OPTIMUS | 026 |

| Brand | Code Numbers |
|--------------------|---|
| OUTLAW | 342 |
| PANASONIC | 032 195 219 177 292 383 |
| PARASOUND | 129 130 132 261 294 295 333 334 |
| PHILIPS | 249 250 251 063 119 805 |
| PIONEER | 014 039 044 069 168 116 035 078 198 480 |
| POLKAUDIO | 515 |
| PROCEED | 144 268 |
| RCA | 010 048 117 156 067 288 |
| REALISTIC | 019 056 073 075 095 |
| ROTEL | 074 083 085 |
| RUSSOUND | 379 391 392 |
| SAMSUNG | 016 804 |
| SANSUI | 040 048 110 119 065 228 |
| SANYO | 047 |
| SCOTT | 019 091 |
| SHARP | 026 094 026 175 |
| SHERWOOD | 024 102 106 447 |
| SIRIUS | 555 |
| SONY | 018 247 248 166 101 184 218 271 369 372 380 800 |
| SSI | 068 |
| SUNFIRE | 344 345 346 |
| TEAC | 005 019 049 040 212 217 |
| TECHNICS | 122 176 193 219 178 177 200 257 262 |
| THETA DIGITAL | 136 |
| TOSHIBA | 060 087 198 278 |
| XM SATELLITE RADIO | 515 |
| YAMAHA | 026 253 169 067 173 264 232 089 264 274 285 373 803 644 |
| ZENITH | 143 210 |

SATELLITE Radios

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

CD

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

VCR/DVR

| Brand | Code Numbers |
|----------------|------------------------------------|
| VCRs | |
| AIWA | 034 |
| AKAI | 043 |
| AMPRO | 072 |
| ANAM | 145 |
| AUDIO DYNAMICS | 012 043 |
| BROKSONIC | 129 |
| CANON | 145 |
| CRAIG | 003 |
| CURTIS MATHES | 145 |
| DAEWOO | 010 112 |
| DBX | 012 043 |
| DYNATECH | 034 053 |
| ELECTROHOME | 059 |
| EMERSON | 006 145 034 101 129 131 153 |
| FISHER | 003 010 008 |
| FUNAI | 034 |
| GE | 145 072 147 144 |
| GOLDSTAR | 101 013 012 123 |
| HARMAN KARDON | 012 |
| HITACHI | 034 043 013 |
| INSTANTREPLAY | 145 |
| JCL | 145 |
| JCPENNEY | 012 013 101 |
| JENSEN | 043 |
| JVC | 048 043 012 145 |
| KENWOOD | 048 034 |
| LG | 101 013 012 123 |
| LLOYD | 034 |
| LXI | 034 003 |
| MAGNAVOX | 067 145 034 |
| MARANTZ | 067 012 145 |
| MARTA | 101 |
| MEI | 145 |
| MEMOREX | 101 003 010 145 034 053 072 102 |
| MGA | 059 |
| MINOLTA | 013 |
| mitsubishi | 059 013 |
| MTC | 034 |
| MULTITECH | 034 |
| NEC | 012 043 048 |
| NORDMENDE | 043 |
| OPTONICA | 053 |
| PANASONIC | 070 145 167 |
| PENTAX | 013 145 |
| PHILCO | 145 034 067 |
| 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 |
| 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 |

| Brand | Code Numbers |
|-----------------|----------------------------|
| SYLVANIA | 145 034 059 067 |
| SYMPHONIC | 034 |
| TANDY | 010 034 |
| TATUNG | 043 |
| TEAC | 034 043 |
| TECHNICS | 145 070 |
| TEKNIKA | 145 034 101 |
| THOMAS | 034 |
| TMK | 006 |
| TOSHIBA | 112 131 008 059 013 |
| TOTEVISION | 101 |
| VECTOR RESEARCH | 012 |
| VICTOR | 048 |
| VIDEO CONCEPTS | 012 034 |
| WARDS | 003 013 145 034 053 131 |
| YAMAHA | 012 034 043 |
| ZENITH | 072 048 101 034 058 |

TV/VCR Combos

| | |
|-------------|---------|
| EMERSON | 153 |
| FUNAI | 034 |
| GOLDSTAR | 101 123 |
| HITACHI | 034 |
| JCPENNEY | 101 |
| LG | 101 123 |
| LLOYD | 034 |
| MAGNAVOX | 034 067 |
| MEMOREX | 101 |
| PANASONIC | 070 167 |
| PHILIPS | 034 067 |
| RADIO SHACK | 123 |
| RCA | 034 |
| SEARS | 101 |
| SONY | 057 154 |
| SYLVANIA | 067 |
| SYMPHONIC | 034 |
| THOMAS | 034 |
| ZENITH | 034 |

PVR, TIVO

| | |
|-----------------|--------------|
| CHANNEL MASTER | 841 |
| HUGHES | 001(Default) |
| HUMAX | 001 |
| PHILIPS | 001 |
| REPLAY NETWORKS | 775 |
| SONY | 804 805 |
| TIVO | 001 |
| TOSHIBA | 001 |

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 |

DIGITAL TO ANALOG CONVERTER Controls

| | |
|----------------|---------|
| ARTEC | 586 |
| CASTI | 587 |
| CHANNEL MASTER | 685 |
| CRAIG | 588 |
| DIGITAL STREAM | 609 580 |
| GRIDLINK | 592 |
| INET ACCESS | 589 |
| INSIGNIA | 567 |
| LASONIC | 592 |
| MAGNAVOX | 584 |
| RCA | 585 |
| SANSONIC | 592 |
| SUDDENLINK | 579 |
| TIVAX | 589 590 |
| ZENITH | 567 |
| ZENTECH | 610 |
| ZINWELL | 591 593 |

ANTENNA ROTATOR Controls

| | |
|----------------|-----|
| CHANNEL MASTER | 686 |
|----------------|-----|

TV

| Brand | Code Numbers |
|--------------------|---|
| ABEX | 025 |
| ADMIRAL | 072 251 333 160 |
| ADVENT | 247 |
| ADVENTURA | 002 |
| AKAI | 197 146 248 473 474 475 405 615 |
| A MARK | 112 143 |
| AMPRO | 167 073 |
| AMSTRAD | 052 |
| ANAM | 043 054 056 080 112 |
| AOC | 197 363 112 058 616 |
| APEX DIGITAL | 006 591 |
| AQUAVISION | 573 574 |
| AUDIOVOX | 076 |
| AVIELO | 570 |
| BELCOR | 363 |
| BELL&HOWELL | 333 072 |
| BROKSONIC | 238 |
| BROCKWOOD | 363 |
| 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 |
| COBY | 640 641 |
| COLORTYME | 363 197 |
| CONCIERGE | 073 |
| CONCERTO | 363 |
| CONTEC | 043 050 051 |
| CORNEA | 363 |
| 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 | 363 073 |
| DURABRAND | 096 |
| DWIN | 177 257 |
| DYNASTY | 043 |
| DYNATECH | 062 |
| DYNEX | 399 |
| ELECTROBAND | 001 |
| ELECTROGRAPH | 470 |
| ELECTROHOME | 143 124 076 196 |
| ELEKTRA | 072 |
| ELEMENT | 363 494 622 |
| EMERSON | 028 048 043 155 005 197 363 047 050 051 076 096 143 151 153 154514 |
| ENVISION | 363 197 |
| ESA | 323 |
| FISHER | 007 057 |
| FUJITSU | 246 346 |

| Brand | Code Numbers |
|------------|---|
| FUNAI | 028 043 052 |
| FUSION | 642 |
| FUTURETECH | 043 |
| GATEWAY | 242 268 |
| GE | 160 144 165 073 197 008 009 034 056 074 130 155 333 363 |
| GEM | 391 |
| GIBALTAR | 363 073 |
| GOLDSTAR | 102 363 106 112 127 143 |
| HALL MARK | 363 |
| HAIER | 164 363 623 |
| HANNSPREE | 381 |
| HISENSE | 419 442 619 630 |
| HITACHI | 011 007 363 009 010 012 023 075 143 158 072 250 587 613 |
| HP | 316 327 378 |
| HUMAX | 518 |
| HYPERION | 609 |
| ILO | 472 399 |
| INFINITY | 164 |
| INFOCUS | 330 333 547 548 532 |
| INTEQ | 073 |
| INSIGNIA | 350 354 457 399 164 454 617 |
| JANEIL | 002 |
| JBL | 164 |
| JCB | 001 |
| JCPENNEY | 363 124 197 008 009 030 065 258 143 160 |
| JENSEN | 013 |
| JVC | 038 034 001 083 240 406 581 639 |
| KAWASHO | 363 001 197 |
| KEC | 043 |
| KENWOOD | 197 001 |
| KLEGG | 470 |
| KLOSS | 002 059 |
| KMC | 143 |
| KONKA | 457 |
| KREISEN | 530 |
| KTV | 043 197 143 154 |
| KURAZAI | 072 |
| LG | 102 106 112 127 143 284 363 569 576 |
| LODGENET | 072 |
| LOEWE | 164 |
| LOGIK | 072 |
| LUXMAN | 363 |
| LXI | 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 | 363 197 011 |
| MEMOREX | 007 072 363 |
| MGA | 197 363 124 028 042 |
| MIDLAND | 333 073 |
| MINUTZ | 008 |
| MITSUBISHI | 109 124 363 028 040 042 146 348 450 |

TV

| Brand | Code Numbers |
|-----------------|---|
| MONTGOMERY WARD | 333 072 |
| MTC | 197 363 062 258 |
| NAD | 138 025 |
| NEC | 130 197 040 124 056 019 237 272 575 577 |
| NET TV | 202 |
| NEXUS | 620 454 |
| NIKEI | 043 |
| NIKKO | 363 197 |
| NIKO | 527 |
| NORCENT | 390 |
| NUVISION | 351 567 |
| OLEVIA | 432 363 |
| ONKING | 043 |
| ONWA | 043 |
| OPTIMUS | 025 |
| OPTONICA | 019 251 |
| OPTOMA | 265 270 249 |
| ORION | 096 |
| PANASONIC | 034 056 080 164 208 524 |
| PHILCO | 197 003 059 060 064 164 363 124 056 063 |
| PHILIPS | 164 005 093 038 197 003 363 059 127 206 333 431 594 |
| PILOT | 363 |
| PIONEER | 135 025 197 018 023 363 234 272 374 393 |
| POLAROID | 323 328 353 354 356 457 494 505 |
| PORTLAND | 363 143 |
| PROSCAN | 144 160 333 165 167 |
| PROTON | 363 112 058 143 171 172 193 |
| PROTRON | 498 499 392 398 |
| PROVIEW | 494 |
| PROX | 591 |
| PULSAR | 363 073 |
| QUASAR | 034 056 606 |
| RADIO SHACK | 019 363 143 043 127 |
| RCA | 160 165 065 144 197 363 124 056 023 074 333 588 |
| REALISTIC | 007 019 043 047 |
| REVOLUTION HD | 470 |
| RUNCO | 072 169 178 179 180 181 182 073 342 395 |
| SAMPO | 197 058 363 202 |
| SAMSUNG | 050 089 105 363 127 143 160 228 229 258 578 |
| SAMSUX | 197 |
| SANSUI | 096 399 615 |
| SANYO | 007 020 053 057 |
| SCEPTRE | 276 |
| SCOTCH | 363 197 |
| SCOTT | 028 043 363 048 143 497 |
| SEARS | 138 030 363 007 028 057 143 094 160 165 |
| SELECO | 189 200 205 011 |
| SHARP | 019 028 363 022 143 251 308 496 |
| SHOGUN | 363 |
| SIGNATURE | 072 |
| SIMPSON | 003 |

| Brand | Code Numbers |
|----------------|---|
| SONY | 001(Default) 147 185 085 213 277 279 608 |
| SOUNDESIGN | 028 363 003 043 |
| SOYO | 528 |
| SPECTRICON | 112 |
| SPECTRONIQ | 499 |
| SSS | 363 043 |
| SUNBRITE | 633 635 603 |
| SUNBRITE TV | 605 |
| SUPRA | 363 |
| SUPRE MACY | 002 |
| SUPREME | 001 |
| SVA | 328 |
| SYLVANIA | 197 003 052 059 060 063 064 164 160 127 593 |
| SYNTAX OLEVIA | 333 144 160 376 432 363 |
| TANDY | 251 |
| TATUNG | 056 062 |
| TECHNICS | 034 080 |
| TECHWOOD | 363 |
| TEKNIKA | 002 003 363 124 028 043 072 258 143 |
| TELEFUNKEN | 037 046 615 |
| TELERENT | 072 |
| TERA | 172 |
| TMK | 363 |
| TOSHIBA | 138 030 007 040 062 258 325 |
| TOTEVISION | 143 |
| TRUTECH | 529 |
| UNIVERSAL | 008 009 |
| VICTOR | 038 |
| VIDEO CONCEPTS | 146 |
| VIDIKRON | 174 164 192 342 |
| VIDTECH | 363 |
| VIEWSONIC | 242 433 |
| VIKING | 002 |
| VIORE | 472 592 |
| VISCO | 494 |
| VITO | 363 |
| VIZIO | 391 603 624 625 |
| WARDS | 363 008 009 019 028 060 061 063 064 072 074 143 164 034 |
| WESTINGHOUSE | 076 276 001 |
| YAMAHA | 197 363 370 372 408 |
| YORK | 363 |
| YUPITERU | 043 |
| ZENITH | 073 072 095 103 284 |
| ZONDA | 112 |

DVD

| Brand | Code Numbers |
|------------------|--|
| AIWA | 146 |
| AKAI | 281 |
| ALPINE | 098 |
| APEX DIGITAL | 087 282 115 |
| BROKSONIC | 130 |
| CINEVISION | 091 |
| COBY | 260 |
| CYBERHOME | 271 |
| DENON | 138 080 173 358 |
| DURABRAND | 091 |
| DVD 2000 | 017 |
| EMERSON | 091 143 |
| ESA | 143 |
| FISHER | 147 |
| FUNAI | 143 |
| GE | 027 |
| GO VIDEO | 137 091 220 221 |
| GOLDSTAR | 091 |
| HARMAN KARDON | 084 140 |
| HITACHI | 101 |
| 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 |
| MAGNAVOX | 001 096 143 282 |
| MARANTZ | 083 095 |
| MERIDIAN | 153 |
| MICROSOFT | 027 |
| MINTEK | 282 |
| MITSUBISHI | 017 |
| MYRYAD | 102 134 |
| NAD | 088 353 |
| NAKAMICHI | 103 |
| ONKYO | 076 141 142 338 |
| OPPO | 341 |
| OPTIMUS | 107 |
| ORION | 130 |
| PANASONIC | 042 138 144 150 285 |
| PHILIPS | 001 (Default) 083 095 166 344 |
| PHILIPS-MAGNOVOX | 141 001 |
| PIONEER | 023 092 099 107 108 131 304 354 |
| POLAROID | 233 |
| POLK AUDIO | 141 001 |
| PROSCAN | 027 |
| RCA | 027 |
| SAMSUNG | 056 165 170 137 159 275 |
| SANSUI | 130 |
| SANYO | 147 |
| SEARS | 130 |
| SHARP | 094 |
| SONY | 033 118 145 126 191 286 242 243 343 |
| SUPERSCAN | 143 |
| SV2000 | 143 |
| SYLVANIA | 143 |
| SYMPHONIC | 143 |
| TATUNG | 102 |

| Brand | Code Numbers |
|----------|-------------------------|
| TEAC | 107 |
| TECHNICS | 042 |
| TECHWOOD | 088 |
| THOMPSON | 027 |
| TOSHIBA | 130 141 164 188 273 356 |
| VENTURER | 149 |
| X-BOX | 027 |
| YAMAHA | 042 089 166 138 197 334 |
| ZENITH | 057 091 |

Blu-ray & HD DVDs

| | |
|-----------|---------|
| DENON | 358 |
| LG | 091 |
| NAD | 353 |
| ONKYO | 338 |
| PANASONIC | 285 |
| PIONEER | 304 354 |
| SAMSUNG | 275 |
| SONY | 286 |
| TOSHIBA | 273 356 |
| YAMAHA | 197 |

DVD Recorders

| | |
|-----------|---------|
| CYBERHOME | 271 |
| GO VIDEO | 220 221 |
| KISS | 279 |
| PANASONIC | 138 |
| SONY | 191 |
| TOSHIBA | 188 |

TV/DVD Combos

| | |
|-----------|-----|
| AIWA | 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 |
|--------------------|---------------------------------|
| CABLE BOXES | |
| ABC | 004 042 053 |
| ADB | 315 254 255 259 |
| ADELPHIA | 001 074 |
| ADVANCED NEWHOUSE | 001 |
| ALTRIO | 001 |
| AMERICAST | 099 |
| AMINO | 256 257 260 261 |
| ARMSTONG | 074 |
| AT&T BROADBAND | 074 035 |
| ATLANTIC BROADBAND | 001 074 |
| BELL SOUTH | 099 |
| BLUE RIDGE | 001 074 |
| BRESNAN | 074 |
| BRIGHT HOUSE | 001 110 |
| BUCKEYE COMM | 074 |
| CABLEVISION | 001 074 108 |
| CHARTER | 001 074 |
| CISCO | 001 041 042 045 313 035 356 |
| COGECO | 074 |
| COMCAST | 001 074 110 313 |
| COMSAT | 074 |
| COX DIGITAL | 001 074 |
| DIGEO | 111 |
| EAGLE | 020 030 |
| EASTERN | 057 |
| ENTONE | 316 258 |
| GEMINI | 008 |
| GENERAL INSTRUMENT | 074 104 |
| GNC | 099 |
| GOLDEN CHANNEL | 030 |
| HAMLIN | 049 055 |
| HITACHI | 055 |
| INSIGHT | 074 |
| JERROLD | 074 004 002 008 009 010 069 |
| MAGNAVOX | 010 012 |
| MASSILLON | 074 |
| MEDIACOM | 074 |
| MINERVA | 178 |
| MOTOROLA | 074 110 148 111 112 036 |
| MOXI | 111 252 086 |
| MYRIO | 254 255 |
| 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 |

| Brand | Code Numbers |
|----------------|-----------------|
| SONY | 108 |
| SPRUCER | 047 |
| STARCOM | 002 004 008 009 |
| STARGATE | 008 030 104 |
| SUSQUEHANNA | 001 074 |
| TELNET | 154 |
| TIME WARNER | 001 074 |
| TOCOM | 056 |
| UNITED CABLE | 004 053 |
| VERIZON | 110 |
| VIDEOTRON | 001 |
| VIEWSTAR | 012 015 |
| WEGENER | 250 |
| WIDE OPEN WEST | 001 099 |
| XFINITY | 195 |
| ZENITH | 093 100 |

SATELLITE RECEIVERS

| | |
|--------------------|-----------------|
| CABLEVISION | 148 |
| DIRECTV | 173 |
| DISH NETWORK | 122 |
| ECHOSTAR | 122 |
| EXPRESSVU | 122 |
| GENERAL ELECTRIC | 116 150 |
| GENERAL INSTRUMENT | 148 |
| GOI | 122 |
| HITACHI | 139 140 |
| HTS | 122 |
| HUGHES | 114 |
| JVC | 122 |
| LG | 170 |
| MITSUBISHI | 114 |
| MOTOROLA | 148 |
| NEXT LEVEL | 148 |
| NFUSION | 192 |
| PANASONIC | 142 160 |
| PHILIPS | 152 153 156 114 |
| PROSCAN | 116 150 |
| RADIOSHACK | 148 |
| RCA | 116 150 |
| SAMSUNG | 155 163 169 175 |
| SKY | 164 |
| SONY | 115 |
| STAR CHOICE | 148 |
| TOSHIBA | 127 114 158 |
| VOOM | 148 |

Frequently Asked Questions

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

No. The WR7 stores all of your settings in nonvolatile 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 22 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)

This Owner's Manual is designed to assist you in setting up 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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www.universalremote.com

