AVEX R6
Remote Control

Owner's Manual

UNIVERSAL®
remote control

URC-R6

UNIVERSAL®
remote control
The Pioneer in Control Technology

Congratulations!

Congratulations on purchasing Universal Remote Control's AVEX R6 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 AVEX R6 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 AVEX R6 remote to work with your components by guiding you through an easy step-by-step process. Everything you need to know about programming the AVEX R6 is contained in this Manual.

Table of Contents

Getting Started - Overview

Control up to 6 Components

The AVEX R6 remote control is designed to control up to six different Audio/Video components and operate virtually all brands of AUDIO, TV, DVD, VCR/DVR, SAT/CABLE and AUX (Light, Music Server, etc.) components.

Component Buttons

Once you have programmed the AVEX R6 for all of your components, all you need to do is press a component button and all the buttons on the AVEX R6 will work with that component. For example, when you press the TV component button, all the buttons on your AVEX R6 will operate your TV. If you press the DVD component button, all the buttons on the AVEX R6 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.

TV BUTTON

Battery Installation

Press the tab and remove the cover of the battery compartment located in the back of your remote. Insert the two AAA 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.

INSERT BATTERIES CORRECTLY
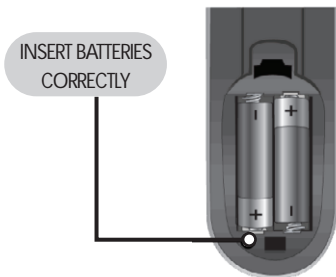
Low Battery Warning

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 AVEX R6 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.

Keypad Layout & Button Functions

POWER
Allows you to turn the selected component on and off.

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

TV, CBL, VCR, AUDIO, DVD, AUX
Used to select the component you want to operate and/or signals remote control activity.

GUIDE
Displays the Program Guide listings through the Cable Set Top Box.

MENU
Displays the Applications Menu through the Cable Set Top Box.

CURSOR NAVIGATION PAD
Used for programming steps and on-screen navigation and highlighting.

INFO
Displays information about the program currently playing or highlighted in the Program Guide through the Cable Set Top Box.

EXIT
Exits from current screen through the Cable Set Top Box.

SELECT
Selects highlighted screen options.

VOLUME
Raises or lowers the sound volume.

INPUT
Selects the video source from available components.

MY FAVORITES
Custom-programmable Favorite Channel Buttons

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

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.

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

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.

PIP CONTROLS
Controls Picture-In-Picture actions.

UNIVERSAL® remote control

URC-R6

Programming AVEX R6 using Pre-Programmed Codes

There are three different ways you can program your AVEX R6 using the component brand codes that are pre-programmed into the remote. One of these will work for you!

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

* * *

TRY THIS FIRST!

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 AVEX R6 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 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 three steps for other components.
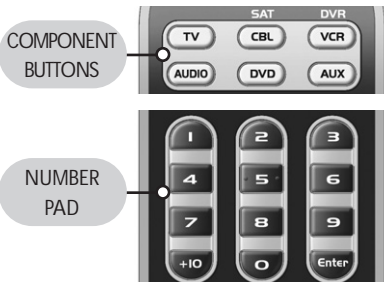
IF QUICK SET-UP DID NOT WORK, TRY THIS NEXT:

Three-Digit Code Set-Up 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 AVEX R6, 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 AVEX R6, 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 2 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.

COMPONENT BUTTONS

SELECT BUTTON
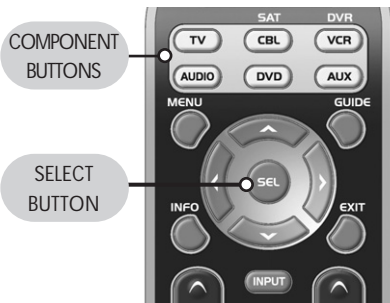
STEP 5: Point the AVEX R6 toward the component (in this example the TV) and punch in the first 3-digit code that you wrote down for that specific component. Use the Number buttons 0–9 on the remote to punch in the code. The TV LED light will blink each time a number is pressed.

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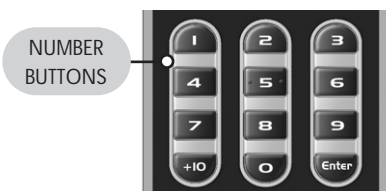
If the 3-digit code number you just punched in is the correct number, the component you are trying to program will turn off. If it did not turn off, enter the next code number from your list until it does turn off.

STEP 6: Once you've entered the code number and the component has turned off, press the POWER button on the AVEX R6 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 10) or the Learning Method (page 12) will help you program.

If the Three Digit Code did not work, try this next:

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 AVEX R6, 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 2 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.

UP ▲
ARROW
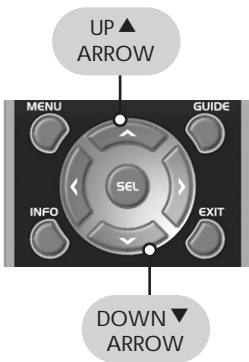
DOWN ▼
ARROW

STEP 3: Point the AVEX R6 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 button on the AVEX R6 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 14).

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)

If Auto Search did not work, try this:

Programming AVEX R6 using the Learning Method

STEP 1: Line up the AVEX R6 to the remote control you want to 'learn' from, head-to-head as shown below. Make sure the heads are one to two inches apart.

STEP 2: On the AVEX R6, 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 2 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 AVEX R6 that you want to teach a command to. For example, if you want to teach the MUTE button on the AVEX R6 the TV Mute command from the other remote, first press the MUTE button on the AVEX R6 and the TV component button LED light will blink once indicating that the AVEX R6 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 AVEX R6 blinks twice. Now you can continue learning all other buttons from your old remote by pressing the next button on the AVEX R6 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.

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STEP 5: Once the AVEX R6 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.
- 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 to be erased.

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

Special Advanced Features

Programming Automated Activities

The AVEX R6 has six Macro buttons (POWER, SYSTEM OFF, A, B, C, D) that are designed to store up to 20 commands in each button. Pressing any one of the Macro buttons, or Automated activity, 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 AVEX R6. What could normally take three remotes and three button pushes, the AVEX R6 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 button and the MUTE button at the same time for 2 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 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 button.

POWER

COMPONENT BUTTONS

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

CHANNEL UP ▲
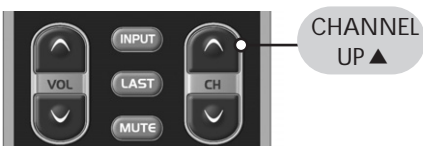
SUGGESTION: Most of the components have the same signal to turn the power On and Off. You may want to program MacroPower only in the POWER button and save the System Off button to turn components On or Off individually.

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

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 CBL, 009, STOP, 035, STOP, 365, STOP and the CH+ button in Step 2) the remote will send out 009 at the first press of the 'A' button, and then send out 035 at the second press, etc.

- You cannot program the CH+ or PAUSE buttons as macro commands.

Programming "My Favorites" - Favorite Channel Buttons

In Cable mode, the A, B, C, D 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 CBL button to select the Cable mode.

STEP 2: Press the 'A', 'B', 'C' or 'D' button and the MUTE button at the same time for 2 seconds until the CBL 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 component LED light will blink once for each button pressed.

STEP 4: Press the CHANNEL UP button to store the commands entered. The CBL component LED will blink three times to confirm the programming.

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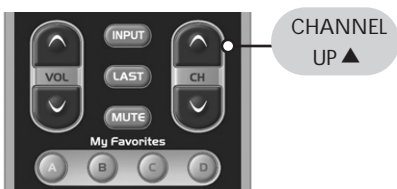
More Favorite Channels

You can also use the "A, B, C and D" buttons to program favorite channels. Each button can program up to 5 favorite channels (or a total of 20 button presses), but you're not limited to using these buttons for only that. You can record any series of button presses into a macro. This is great switching video or audio sources. Here is an example of how to program a macro on the "A" button with three favorite channels. We'll use "25, 50, and 75."

STEP 1: Press the device you are getting channel   control from. Ex. Cable.

STEP 2: Press and hold the "A" button and "Mute" button at the same time until a device button lights up.

STEP 3: Press "2".

STEP 4: Press "5".

STEP 5: Press "Select".

STEP 6: Press "Stop".

STEP 7: Press "5".

STEP 8: Press "0".

STEP 9: Press "Select".

STEP 10: Press "Stop".

STEP 11: Press "7".

STEP 12: Press "5".

STEP 13: Press "Select".

STEP 14: Press "Stop".

STEP 15: Press "Channel Up" to save macro.

Note: Pressing the "Select" button just assures the quickest response from the Cable box. Pressing "Stop" allows you to program several favorite channels on one button. Now, the first press of the "A" button will change the channel to "25." The second, to "50" and the third, to "75." Then the sequence starts all over again.

SimpleSound™ Total System Volume Control

SimpleSound is one of the most exciting features of the AVEX R6. 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.
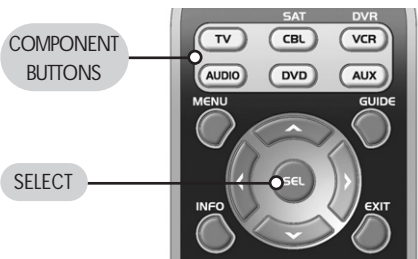
STEP 2: Press the VOLUME UP button and then press either the TV or AUDIO component button that you want to use for volume. The Component LED light will blink three times to confirm that it is saved. This sets up three buttons (Volume Up, Volume Down and MUTE) as a group for that component.

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 AVEX R6 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 button. The component LED light will blink once.

COMPONENT BUTTONS

SELECT
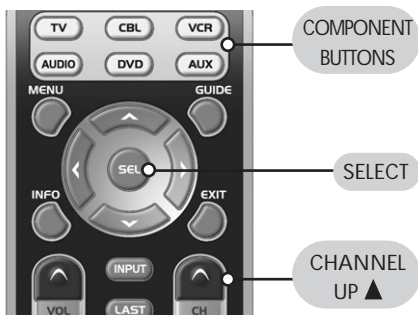
CHANNEL UP ▲

STEP 3: Press either the TV or CBL 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 AVEX R6 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 CBL 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.

Press the PLAY button. The component LED light will blink once.

COMPONENT BUTTONS

SELECT
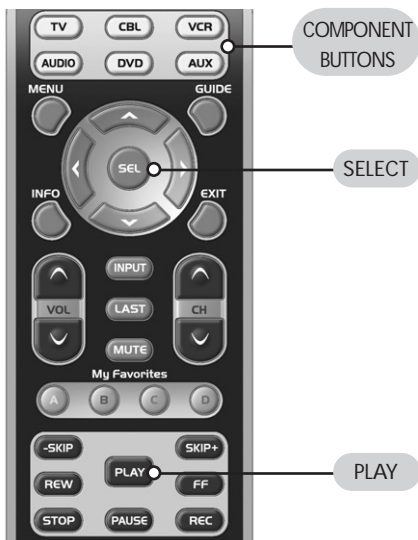
PLAY

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 AVEX R6 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 CBL 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.
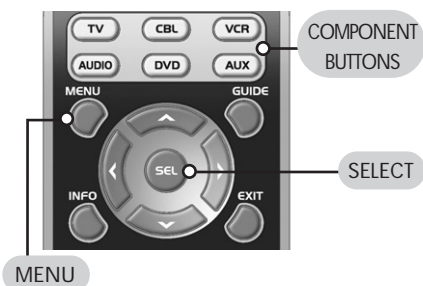
Input Switching Macros

These macros can be difficult and will vary depending on your specific setup. Because most TVs have a "Toggle" input feature, there's no way to jump to a specific video source discretely. "Toggle" means that you have one button on your remote that cycles through all available video sources (inputs) on your TV.

With a Toggle input feature, you will need to set a starting point (default input). Since you are most likely watching Cable TV most of the time, you might want to set that input at the starting point. So you'll be programming your macros assuming that you are always on the Cable input. Now, what you'll have to do is figure out how many presses of the input button it will take to get to the desired video source, then how many presses it will take to get back to the staring point. This way, you can use the "B" button to switch to the "DVD" input, then back to the "Cable input" and maybe the "C" button to switch to the "VCR" input, then back to the "Cable" input.

Below is an example of a macro on the "B" button that switches video sources on your TV to the "DVD" input. Let's say that it takes 2 presses of the input button to get to the "DVD" input (from the starting point) and 3 presses of the input button to get back to the "Cable" input.

STEP 1: Press and hold the "B" button and "Mute" button at the same time until a device button lights up.
STEP 2: Press "TV".
STEP 3: Press "Input".
STEP 4: Press "Pause".
STEP 5: Press "Input".
STEP 6: Press "Stop".
STEP 7: Press "TV".
STEP 8: Press "Input".
STEP 9: Press "Pause".
STEP 10: Press "Input".
STEP 11: Press "Pause".
STEP 12: Press "Input".
STEP 13: Press "Stop".
STEP 14: Press "Channel Up" to save macro.

Pressing "Pause" in between input commands will add a small delay after each press of the input button. This will assure that all commands get sent properly. Much like in the previous example, pressing the "Stop" button allows you to start a new macro. So, the first press of the "B" button will change inputs to the "DVD" video source and the second press will change back to the starting point. It is important to always switch back to the default starting point. This way it sets up the next macro on another "Favorites" button to execute properly.

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 buttons 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.

COMPONENT BUTTONS

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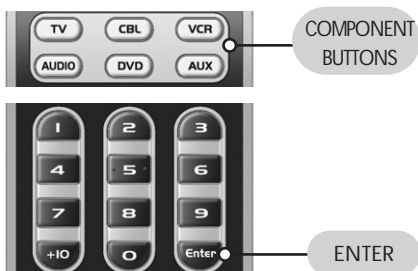
STEP 2: Press and hold the button you want to erase for two seconds. The component LED light will blink twice to confirm the erasure.

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 (ENT) 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 2 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.

COMPONENT BUTTONS

PAUSE
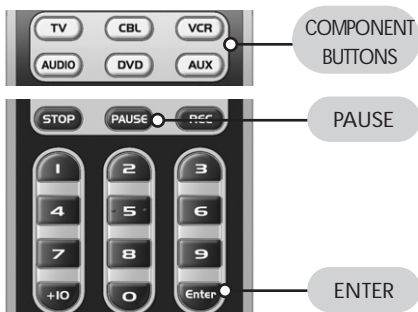
ENTER

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 button to erase and exit Erase mode. The component LED light will blink three times to confirm the erasure.
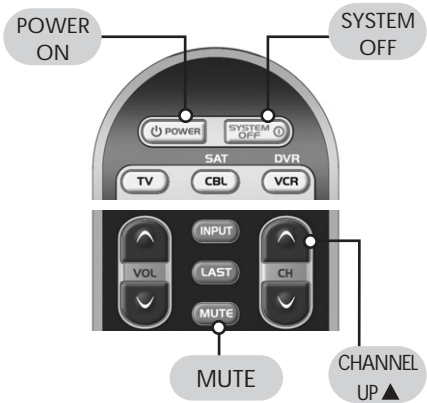
NOTE: To erase other Macros, simply press the appropriate button in Step 1 in combination with the MUTE button.

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 button and the same component button from Step 1. The component LED light will blink three times to confirm the erasure.

COMPONENT BUTTONS

SELECT
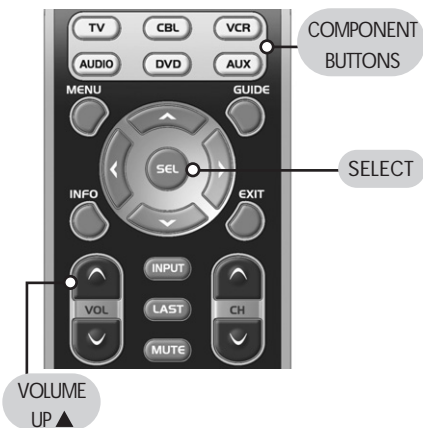
VOLUME UP ▲

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
- For Transport Control, press: PLAY
- For OSD Control, press: MENU

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Factory Reset

You can reset your AVEX R6 remote to the original factory default settings.

Press and hold both the TV and RECORD buttons for about five seconds until the DVR/VCR component LED light blinks five times. All programming and set-up codes that you have entered into the remote will be erased and the AVEX R6 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 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 2 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.

COMPONENT BUTTONS

SELECT
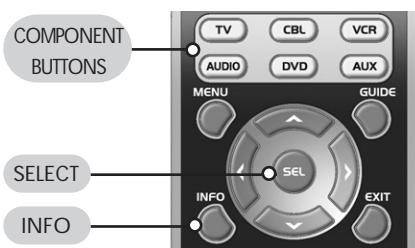
INFO

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.

Pre-Programmed
Code Tables

The AVEX R6 Pre-Programmed code library is classified by category (TV, VCR, DVD, 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.

CABLE/SAT

Brand	Code Numbers	Brand	Code Numbers
ABC	004 042	**SATELLITE Receivers**	
ADELPHIA	001 110	CABLEVISION	148
ADVANCED NEWHOUSE	001	DIRECTV	173
ALTRIO	001	DISH	122
AMINO	256 257 260 261	ECHOSTAR	122
ARMSTONG	110	EXPRESSVU	122
AT&T BROADBAND	110	GE	116
AT&T IPTV	251	GENERAL INSTRUMENT	148
ATLANTIC BROADBAND	001 110	GOI	122
BLUE RIDGE	001 110	HITACHI	114
BRESNAN	110	HTS	122
BRIGHT HOUSE	001 110	HUGHES	114
BUCKEYE COMM	110	JVC	122
CABLEVISION	001 110 108	LG	170
CHARTER	001 110	MITSUBISHI	114
CISCO	001 042 251 313	NEXT LEVEL	148
COGECO	110	PANASONIC	142
COMCAST	001 110	PHILIPS	156 114
COMSAT	110	PROSCAN	116
COX DIGITAL	001 110	RADIOSHACK	148
DIGEO	111	RCA	116
DIRECTOR	110	SAMSUNG	163 175
ENVIO	005	SONY	115
GCI	110	STAR CHOICE	148
GENERAL INSTRUMENT	110 004	TOSHIBA	114
INSIGHT	110	VOOM	148
JERROLD	110 004		
MASSILLON	110		
MEDIACOM	110		
MIDCONTINENT	110		
MOTOROLA	110 148 111 253		
MOXI	111 086		
NCTC	110		
NEW WAVE	110		
OAK	031		
ONELINK	001		
PACE	001 110		
PANASONIC	044		
PHILIPS	085		
PIONEER	001 034 105		
RCN	110		
RODGERS	001		
SCIENTIFIC ATLANTA	001 042 251		
SEREN	001		
SERVICE ELECTRIC	110		
SHAW	110		
SIGECOM	001		
SONY	108		
STARCOM	004		
SUSQUEHANNA	001 110		
TIME WARNER	001 110		
TORX	004		
UNITED CABLE	004		
VERIZON	110		
VIDEOTRON	001		
VISTA III MEDIA	110		
WAVE BROADBAND	110		
WEHCO VIDEO	110		
WEGENER	250		
WIDE OPEN WEST	001		

TV

Brand	Code Numbers	Brand	Code Numbers
ABEX	025	FISHER	007 057
ADMIRAL	072 251 333	FUJITSU	246 198
ADVENT	247	FUNAI	028 043 052
ADVENTURA	002	FUTURETECH	043
AIKO	103	GATEWAY	242 268
ALERON	028	GE	073 116 008 009
AKAI	116 146 248 281		034 056 074 155
	404 405		333 363
A MARK	112	GEM	391
AMERICA ACTION	043	GIBRALTER	116 073
AMPRO	073	GOLDSTAR	113 116 102 004
AMSTRAD	052		106 112
ANAM	043 054 056 080	GRUNPY	028 043
	112	HAIER	363
AOC	116 363 112 058	HALL MARK	363
APEX DIGITAL	006 591	HANNSPREE	381
ASTAR	477	HARLEY DAVIDSON	028
AUDIOVOX	076	HARSPER	466
BELCOR	116	HARVARD	043
BELL&HOWELL	333 072	HAVERMY	081
BRADFORD	043	HELLO KITTY	076
BROCKWOOD	116	HIMITSU	043
CANDLE	116 002 003 363	HISENSE	419
CAPEHART	058	HITACHI	011 166 363 009
CELEBRITY	001		010 012 023 158
CENTURION	116		072
CETRONIC	043	HP	378 316 327
CITIZEN	116 002 003 363	ILO	472 399
	043 258 103	INFINITY	164
CLARION	043	INFOCUS	333 330
CLASSIC	043	INTEQ	073
CLP CLASSIC	333	INSIGNIA	350 399 400 052
COLORTYME	116		164 403 454
CONCIERGE	073	JANEIL	002
CONCERTO	363	JBL	164
CONTEC	043 050 051	JCB	001
CORNEA	116	JCPENNEY	363 024 116 008
CRAIG	043 054		009 030 258 333
CROSLEY	164	JENSEN	013
CROWN	043	JVC	038 034 001 083
CURTIS MATHES	116 258 363		199 210
CXC	043	KAWASHO	116 001
DAEWOO	363 043 076 103	KEC	043
DAYTRON	363	KENWOOD	116 001
DELL	320 164 363	KLEGG	466
DIGITAL LIFESTYLE	528	KLOSS	002 059
DIGITAL PROJECTION	570	KREISEN	530
DIGITRON	258	KTV	043 116
DIMENSIA	333	KURAZAI	072
DUKANE	011 025	LG	363 113 116 102
DUMONT	116 073		363 106 112
DURABRAND	096	LODGENET	072
DWIN	257	LOEWE	164
DYNASTY	043	LOGIK	072
DYNEX	399	LUXMAN	363
EIKI	187	LXI	166 007 138 052
ELECTROBAND	001		251 333 164
ELECTROHOME	024 076	MAGNAVOX	164 059 116 003
ELECTROGRAPH	466		060 061 363 022
ELEKTRA	072		333 094 226 390
ELEMENT	494	MAJESTIC	333 072
EMERSON	028 048 043 155	MARANTZ	116 164
	005 116 363 047	MATSUI	164
	050 051 076 096	MATSUSHITA	080
	153	MAXENT	242
ENVISION	116	MEGATRON	116 011
ESA	387	MEMOREX	007 072 363

TV

Brand	Code Numbers	Brand	Code Numbers
MGA	116 363 024 028	SCOTT	028 043 363 048
MIDLAND	333 073	SEARS	138 030 363 007
MINTEK	282 362		028 057 094 333
MINUTZ	008		082 166
MITSUBISHI	124 109 024 363	SELECO	205 011
	028 040 146 450	SHARP	251 019 014 028
MONTGOMERY WARD	333 072		029 363 022 175
MOTOROLA	081	SHENG CHIA	081
MTC	116 363 258	SHOGUN	116
MULTITECH	043	SIGNATURE	072
NAD	138 025	SIMPSON	003
NEC	272 132 134 116	SONY	001
	040 024 056 019	SOUNDESIGN	028 363 003 043
	262	SOVA	363
NET TV	242	SOYO	528
NIKEI	043	SPECTRICON	112
NIKKO	116	SPECTRONIQ	392 398
NIKO	527	SQUAREVIEW	052
NORCENT	390	STARLITE	043
NTC	103	SSS	363 043
NUVISION	351	SUPRA	116
OLEVIA	432	SUPRE MACY	002
ONKING	043	SUPREME	001
ONWA	043	SVA	328
OPTIMUS	025	SYLVANIA	116 003 052 059
OPTONICA	019 251		060 164 333 593
OPTOMA	265	SYNTAX OLEVIA	333 363 432
ORION	096	TANDY	251
PANASONIC	080 034 056 164	TATUNG	056
	208 583	TECHNICS	034 080
REVOLUTION HD	466	TECHNOL ACE	028
PHILCO	116 003 059 060	TECHWOOD	363
	164 363 024 056	TEKNIKA	002 003 363 024
PHILIPS	164 005 093 038		028 043 072 258
	116 003 363 059	TELERENT	072
	206 431 594	TERA	172
PILOT	116	TMK	363
PIONEER	234 025 018 023	TNCI	073
	116 272 393	TOSHIBA	138 030 007 040
POLAROID	388		258 325
PORTLAND	363	TRUTECH	529
PRIMA	164	TVS	096
PRISM	034	UNIVERSAL	008 009
PROSCAN	333	VICTOR	038
PROTON	363 112 058 171	VIDEO CONCEPTS	146
	172	VIDIKRON	174 164 188
PROTRON	392 398	VIDTECH	363
PROVIEW	494	VIEWSONIC	242 389
PROX	572	VIKING	002
PULSAR	116 073	VIORE	472 592
QUASAR	034 056	VISCO	494
RADIO SHACK	019 363 043	VITO	363
RCA	333 116 363 024	VIZIO	386 387
	056 152 023 074	WARDS	363 008 009 019
REALISTIC	007 019 043 047		028 060 061 072
RUNCO	072 182 073 395		074 164 034
	416	WAYCON	015
SAMPO	116 058 363 242	WESTINGHOUSE	076 276
SAMSUNG	258 050 089 105	YAMAHA	116 363
	363 333 228 229	YORK	363
SAMSUX	116	YUPITERU	043
SANSEI	076	ZENITH	363 073 072 095
SANSUI	096		103
SANYO	166 007 020 053	ZONDA	112
	057 082 187		
SCEPTRE	276		
SCOTCH	116		

DVR/VCR

Brand	Code Numbers	Brand	Code Numbers
VCRs		MULTITECH	034
ADMIRAL	053	NEC	012 043 048
ADVENTURA	034	NIKKO	101
AIKO	117	NORDMENDE	043
AIWA	034	OPTIMUS	101
AKAI	043	OPTONICA	053
AMERICA ACTION	117	PANASONIC	070 145 167
AMPRO	072	PENTAX	013 145
ANAM	145	PHILCO	145 034 067
AUDIO DYNAMICS	012 043	PHILIPS	145 067 034 101
AUDIOVOX	101	PILOT	101
BROOKSONIC	129	PIONEER	013 048
CALIX	101	PULSAR	072
CANON	145	RADIO SHACK	123
CCE	117	RADIX	101
CITIZEN	101 117	RANDEX	101
CRAIG	003 102	RCA	144 147 145 013
CURTIS MATHES	145		034 102
DAEWOO	117 010 112	REALISTIC	003 008 010 145
DBX	012 043		034 102 053 101
DYNATECH	034 053	RICO	058
ELECTROHOME	059	SAMSUNG	102 112 144 147
ELECTROPHONIC	101	SANKY	053
EMERSON	006 145 034 101	SANSUI	043 048
	129 131 153	SANYO	003 010 102
FISHER	003 010 008	SCOTT	112 129 131
FUNAI	034	SEARS	003 008 010 013
GARRARD	034		101 112
GE	145 072 147 144	SHARP	149 145
GO VIDEO	102	SIGNATURE	034
GOLDSTAR	101 013 012 123	SONY	057 058 003 145
GRADIENTE	034		149 154
HARLEY DAVIDSON	034	SOUNDESIGN	034
HARMAN KARDON	012	STS	013
HITACHI	034 043 013	SYLVANIA	145 034 059 067
HQ	034	SYMPHONIC	034
INSTANTREPLAY	145	TANDY	010 034
JCL	145	TATUNG	043
JCPENNEY	012 013 102 101	TEAC	034 043
JENSEN	043	TECHNICS	145 070
JVC	048 043 012 145	TEKNIKA	145 034 101
KEC	101	THOMAS	034
KENWOOD	048 034	TMK	006
KODAK	145 101	TOSHIBA	112 131 008 059
LG	101 013 012 123		013
LLOYD	034	TOTEVISION	102 101
LXI	034 003	UNITECH	102
MAGIN	102	VECTOR RESEARCH	012
MAGNAVOX	067 145 034	VICTOR	048
MARANTZ	067 012 145	VIDEO CONCEPTS	012 034
MARTA	101	VIDEOSONIC	102
MATSUSHITA	145	VILLAIN	034
MEI	145	WARDS	003 013 145 034
MEMOREX	101 003 010 145		102 053 131
	034 053 072 102	XR-1000	145 034
MINOLTA	013	YAMAHA	012 034 043
MITSUBISHI	059 013	ZENITH	072 048 101 034
MOTOROLA	145 053		058
MTC	034 102		

DVR/VCR

Brand   Code Numbers

TV/VCR Combos

Brand	Code Numbers
AMERICA ACTION	117
DAEWOO	117
EMERSON	153
FUNAI	034
GOLDSTAR	101 123
HARLEY DAVIDSON	034
HITACHI	034
JCPENNEY	101
LG	101 123
LLOYD	034
MAGNAVOX	034 067
MEMOREX	101
PANASONIC	070 167
PHILIPS	034 067 145
RADIO SHACK	123
RCA	034 144
SAMSUNG	102
SEARS	101
SONY	057 154 058
SYLVANIA	067
SYMPHONIC	034
THOMAS	034
ZENITH	034

DVR Receivers

Brand	Code Numbers
HUGHES	001
HUMAX	001
PHILIPS	001
REPLAY NETWORKS	775
SONY	804 805
TIVO	001
TOSHIBA	001

DVD

Brand	Code Numbers
AKAI	281
ALLEGRO	091
APEX DIGITAL	111 115
BLAUPUNKT	111
BROKSONIC	130
CINEVISION	091
COBY	260
CYBERHOME	271
DENON	138 173
DURABRAND	091
DVD 2000	017
EMERSON	091 143
ENTERPRISE	074
FISHER	147
FUNAI	143
GOLDSTAR	091
GO VIDEO	137 091 220 221 222
GREENHILL	111
HARMAN KARDON	084 140
HITACHI	101
HITEKER	087
ILO	268
INITIAL	111
INSIGNIA	143
JBL	084
JVC	012
KENWOOD	151
KISS	279
KLH	135
KRELL	104
LITEON	264 265
LEXICON	148
LG	091 057
MAGNAVOX	001 096 143 282
MARANTZ	001 095
MALATA	267
MERIDIAN	153
MINTEK	111 282
MITSUBISHI	017
MYRYAD	102 134
NAD	088
NAKAMICHI	103
NESA	111
ONKYO	076 035 180 338
OPTIMUS	023
OPPO	266 341
ORION	130
PANASONIC	138 144 150 285
PHILIPS	001 095 344
PHILIPS MAGNAVOX	035 001
PIONEER	023 131
POLAROID	233
POLK AUDIO	035 001
RIO	091
RJTECH	269
SAMSUNG	165 170 137 159 275
SANSUI	154
SANYO	147

Brand	Code Numbers
SEARS	130
SENSORY SCIENCE	222
SHARP	094
SHINSONIC	033
SONIC BLUE	091
SONY	002 033 145 191 286 343
SYLVANIA	143
SYMPHONIC	143
TATUNG	102
TEAC	023 270
TECHNICS	138
TECHWOOD	088
THETA DIGITAL	023
TOSHIBA	035 130 141 164 188 273
URBAN CONCEPTS	035
VENTURER	149
YAMAHA	138 089 001 197
ZENITH	057 091

DVD Recorders

Brand	Code Numbers
GO VIDEO	220 221 222
CYBERHOME	271
ILO	268
KISS	279
LITEON	265
PANASONIC	138
SENSORY SCIENCE	222
SONY	191
TOSHIBA	188

TV/DVD Combos

Brand	Code Numbers
AKAI	281
FUNAI	143
INSIGNIA	143
MAGNAVOX	282
MINTEK	282
SAMSUNG	165
SYLVANIA	143
SYMPHONIC	143
TOSHIBA	130

TV/DVD/VCR Combos

Brand	Code Numbers
MAGNAVOX	143
PANASONIC	144
SYLVANIA	143
TOSHIBA	164

DVD/VCR Combos

Brand	Code Numbers
GO VIDEO	137
PANASONIC	150
PHILIPS	001
	(VCR Functions for VCR 067)
SAMSUNG	137 159
SANSUI	154
SONY	145
TOSHIBA	141
ZENITH	091
	(VCR Functions for VCR101)

AUDIO

Brand	Code Numbers
ADCOM	082 092 225 161
	269 356
AIWA	170 018 104 202
	203 213 211 188
AKAI	189
ARCAM	141 077
B & K	096 097
BOSE	070 170 224 347
	409 460
BOSTON ACOUSTICS	447
CARVER	006 028 201 214
	226 185 077 284
DENON	001 109 215 230
	234 330
ELAN	290
ESCIENT	451
FISHER	214 066
HARMAN KARDON	233 077 154 118
	318
HITACHI	020
INSIGNIA	589
INTEGRA	275 017 046 108
	080 209
JAMO	398
JVC	163 191 114 279
	291
KENWOOD	066 145 192 005
	280 374
KLH	331
KOSS	573
LEXICON	120 235 236 237
	357 360
LINN	124 377
MAGNAVOX	086 164 152 208
MARANTZ	006 028 031 040
	063 185 186 265
	289 492
MCINTOSH	238 286
MITSUBISHI	242 204
MYRYAD	077
NAD	186 113
NAKAMICHI	040 244 245 172
	183 287
NEC	176
NIRO	343
NILES	403
ONKYO	275 017 046 108
	080 209
OPTIMUS	041
PANASONIC	032 195 219 177
	292
PARASOUND	129 130 132 261
	294 295 333 334
PHILIPS	249 250 063 805
PIONEER	014 039 044 069
	168 116 035 078
	198 480
RCA	010 048 117 156
	067 288

Brand	Code Numbers
REALISTIC	019 095
ROTEL	083 085
SAMSUNG	016 804
SANSUI	040 048 110 063
	065 228
SANYO	214
SCOTT	019
SHARP	094 175
SHERWOOD	024 102 106 447
SONY	002 018 247 248
	166 101 184 218
	271
SOUNDESIGN	036
SUNFIRE	344 345 066
TEAC	005 019 049 040
	212 217
TECHNICS	122 176 193 219
	178 177 200 257
	262
TOSHIBA	060 087 198 278
YAMAHA	253 169 067 173
	205 264 232 089
	274
ZENITH	143 210

SATELLITE Radios

Brand	Code Numbers
DELPHI	515
POLKAUDIO	515
SIRIUS	555
XM SATELLITE RADIO	515

AUX

Brand	Code Numbers

iPod Controls

Brand	Code Numbers
APPLE / iPod	901 912
BOSE	909
GRIFFIN	471
KENSINGTON	906
TEN TECHNOLOGY	901

MEDIA PC Controls

Brand	Code Numbers
DELL	001
GATEWAY	001
HP	001
KEYSPAN	797
SONY	001
TOSHIBA	001
WINBOOK	001

GAMING SYSTEM Controls

Brand	Code Numbers
MICROSOFT / XBOX	908 607
SONY / PS2	914

LIGHTING Controls

Brand	Code Numbers
LITE-TOUCH	708 757
LUTRON	658 659
X-10	683 594
XANTECH	688 689

DIGITAL TO ANALOG CONVERTER Controls

Brand	Code Numbers
ARTEC	586
CASTI	587
CRAIG	588
GRIDLINK	592
INET ACCESS	589
INSIGNIA	567
LASONIC	592
MAGNAVOX	584
RCA	585
SANSONIC	592
TIVAX	589 590
ZENITH	567
ZINWELL	591 593

Frequently Asked Questions

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

No. The AVEX R6 stores all of your settings in non-volatile FLASH memory. You could remove the batteries for months, replace them at your convenience, and the AVEX R6 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 17 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 1-800-901-0800

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

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 does not 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

IR frequencies (15kHz to 100kHz)

Macro Capability

6 Macros of up to 20 steps each

IR Range (Line of Sight via Infrared) 30-50 feet, depending on the environment

Weight

6.9 oz. (with batteries)

Size

2 1/8" x 1 1/8" x 8 3/4"

Batteries

Two AAA Alkaline batteries included

Information To The User

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one more of the following measures:

• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

Warning

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Note : The manufacturer is not responsible for any Radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

MEMO

```
┌─────────────────────────────────┐
│  ┌───────────────────────────┐  │
│  │                           │  │
│  │   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)    │  │
│  │                           │  │
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