URC-A6 Remote Control

Owner's Manual



Congratulations!

Congratulations on purchasing Universal Remote Control's URC-A6 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 URC-A6 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 URC-A6 remote to work with your components by guiding you through an easy step-by-step process. Everything you need to know about programming the URC-A6 is contained in this Manual.

URC-A6 Owner's Manual © 2009 Universal Remote Control, Inc.

This document is protected by the copyright laws of the United States and internationally by the Berne Convention. No part of this manual may be reproduced in any form without the express written consent of Universal Remote Control, Inc. Although reasonable care has been taken to assure the accuracy of the information herein contained, Universal Remote Control, Inc. is not responsible for operational, technical or editorial errors or omissions.

The specifications and information in this manual may be subject to change without notice. MacroPower and SimpleSound are trademarks of Universal Remote Control, Inc. Entertainment Made Simple is a registered trademark of Universal Remote Control, Inc. All other brand or product names are trademarks or registered trademarks of their respective owners.



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

Table of Contents

Getting Started - Overview	
Control up to 6 Components	4
Component Buttons	
Battery Installation	4
Low Battery Warning	5
Couch Mode	5
Keypad Layout & Button Function	c 6
	50
Programming URC-A6 Using	
Pre-Programmed Codes	7
Quick Set-Up Method	7
 Three-Digit Code Entry Method 	8
Auto-Search Method	10
Programming URC-A6 Using the	
Learning Method	12
Special Advanced Features	14
 Programming Automated Activities 	14
 MacroPower Total System On/Off 	14
 Programming Multi-Commands to 	
Macro Buttons	16
• "My Favorites" – Favorite Channels	17
More Favorite Channels	18
SimpleSound [™] Total System Volume	10
• Channel Control "Punch Through"	19
 Transport Control "Punch Through" 	
 OSD (On-Screen Display) Control 	ZZ
"Punch Through"	23
Input Switching Macros	23
Erasing Commands-Overview	25
• Erasing a Single Learned Command .	25
• Erasing All Learned Commands from	
One Component	26
• Erasing MacroPower & Other Macro	~ 7
Commands	2/
• Erasing SimpleSound & Other "Punch Through" Commands	20
Factory Reset	20 20
Finding a Component's Set-Up	
Code Number	30
Pro-Programmod Codo Tablos	21
 Pre-Programmed Code Tables CABLE/SAT 	31 32
• TV	33.34
• TV • DVD/DVR/VCR	35
• AUDIO	
• AUX	37
• LIGHTS	38
FAQs	30
Warranty	
Specifications	40

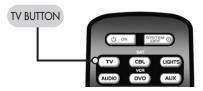
Getting Started - Overview Control up to 6 Components

The URC-A6 remote control is designed to control up to six different Audio/Video components and operate virtually all brands of AUDIO, TV, DVD/DVR/VCR, CBL/SAT, LIGHTS and AUX(Game, Music server, etc.) components.

Component Buttons

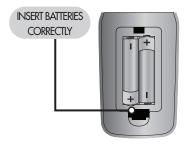
Once you have programmed the URC-A6 for all of your components, all you need to do is press a component button and all the buttons on the URC-A6 will work with that component. For example, when you press the TV component button, all the buttons on your URC-A6 will operate your TV. If you press the DVD component button, all the buttons on the URC-A6 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.



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.



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 URC-A6 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.

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)

Keypad Layout & Button Functions



Programming URC-A6 using Pre-Programmed Codes

There are three different ways you can program your URC-A6 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

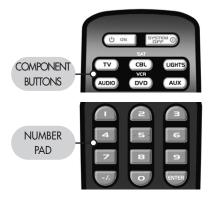
TRY THIS FIRST!

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 URC-A6 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.



Page 7

IF QUICK SET-UP DID NOT WORK, TRY THIS NEXT:

Three-Digit Code Set-Up Method

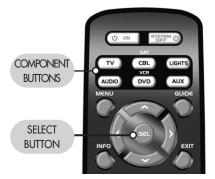
STEP 1: Find the 3-digit code numbers assigned to your brand from the lists in the back of this manual. The codes are listed by component category (i.e., TV, VCR, DVD, etc.), then by brand name. For instance, if you would like to locate a code for a Sony television, first locate the TV category and then 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 URC-A6, 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 URC-A6, 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.



STEP 5: Point the URC-A6 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 URC-A6 remote to turn the component back on.

Next test the VOLUME and CHANNEL buttons (or PLAY and STOP buttons for DVD and DVR) 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 setup 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 URC-A6, 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.



STEP 3: Point the URC-A6 remote control toward the component and press the UP \blacktriangle arrow (or DOWN \checkmark 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 URC-A6 remote to turn the component back on.

Next test the VOLUME and CHANNEL buttons (or PLAY and STOP buttons for DVD and DVR) 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 SetUp 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 12).

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 URC-A6 using the Learning Method

STEP 1: Line up the URC-A6 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 URC-A6, 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 URC-A6 that you want to teach a command to. For example, if you want to teach the MUTE button on the URC-A6 the TV Mute command from the other remote, first press the MUTE button on the URC-A6 and the TV component button LED light will blink once indicating that the URC-A6 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 URC-A6 blinks twice. Now you can continue learning all other buttons from your old remote by pressing the next button on the URC-A6 and repeating this step.

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

STEP 5: Once the URC-A6 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 setup code number is programmed into the remote control.
- To return to an original pre-programmed function, a learned function must to be erased.

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)

Special Advanced Features

Programming Automated Activities

The URC-A6 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

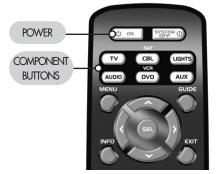
MacroPower makes several devices work together by pressing one button. Imagine the convenience of turning on your TV, your DVD player and your Surround Sound receiver by pressing a single button on your URC-A6. What could normally take three remotes and three button pushes, the URC-A6 can accomplish 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.



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.



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 multicommands 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.

PLEASE DO NOT RETURN THIS PRODUCT TO THE STORE

PLEASE CONTACT OUR TECHNICAL SUPPORT CENTER IF YOU NEED ASSISTANCE, E-MAIL techsupport@UniversalRemote.com or dial 1-800-901-0800 (9:00AM-6:00PM EST)

Programming "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.

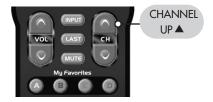
STEP 2: Press the 'A', 'B', 'C' or 'D' button and the MUTE button at the same time for 2 seconds until the CBL component LED turns on.

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.



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 "O".
- 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

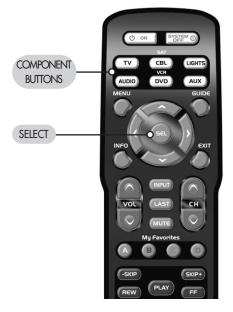
SimpleSound is one of the most exciting features of the URC-A6. It gives you total volume control over ALL the components in your system, even those that do not have built-in volume control, such as TIVO, DVD and VCR. SimpleSound saves you the hassle and inconvenience of constantly switching between 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 DVR) 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.



Page 19

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".

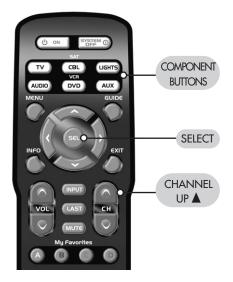
Channel Control "Punch Through"

This "Punch Through" enables you to program the URC-A6 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 DVR, 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.



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.

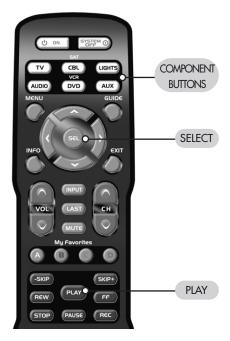
Transport Control "Punch Through"

This "Punch Through" enables you to program the URC-A6 so that DVD or DVR 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.

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



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

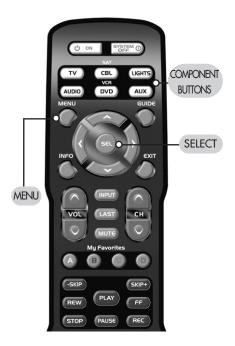
OSD (On-Screen Display) Control "Punch Through"

This "Punch Through" enables you to program the URC-A6 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 DVD, 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 starting 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 0: Press "Stop". STEP 7: Press "TV".
- STEP 8: Press "Input"
- STEP 8: 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.



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.

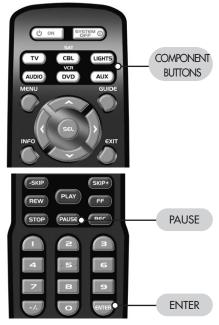
Erasing All Learned Commands from One Component

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.



STEP 3: 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 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 setup 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.



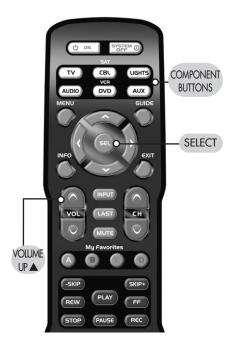
NOTE: To erase other Macros, simply press the appropriate button in Step 1 in combination with the MUTE button.

Page 27

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.



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

Factory Reset

You can reset your URC-A6 remote to the original factory default settings.

Press and hold both the TV and RECORD buttons for about five seconds until the LIGHTS component LED light blinks five times. All programming and setup codes that you have entered into the remote will be erased and the URC-A6 will return to the original factory default settings.

Warning

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

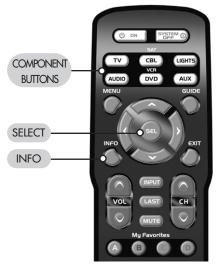


Finding a Component's Set-up Code Number

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.



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.

Page 30

Pre-Programmed Code Tables

The URC-A6 Pre-Programmed code library is classified by category (CABLE/SAT, TV, 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	Cable Set top boxes and satellite receivers	32
TV	TVs, Plasmas, Projectors and Moni 33	tors 3-34
DVD/DVR/VCR	DVD Players and Recorders VCRs, DVRs & Combo Units	35
AUDIO	Amps, Preamps and A/V Receiver	.s 36
AUX	iPod, Media PC, Gaming System	37
LIGHTS	Lighting Controls	38

CABLE/SAT

Brand Code Nu	umbers
CABLE Boxes	004.040
ABC	004 042
ADELPHIA	001 110
ADVANCED NEWHOUSE	001
ALTRIO	001
AMERICAST	099
ARMSTONG	110
AT&T BROADBAND	110
AT&T IPTV	251
ATLANTIC BROADBAND	001 110
BELL SOUTH	099
BLUE RIDGE	001 110
BRESNAN	110
BRIGHT HOUSE	001 110
BUCKEYE COMM	110
	110 108
CHARTER	001 110
	042 251
COGECO	110
COMCAST	001 110
COMSAT	110
COX DIGITAL	001 110
ENMO	
DIGEO	111
DIRECTOR	110
GCI	110
GENERAL INSTRUMENT	110 004
GNC	099
INSIGHT	110
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	044 047
PHILIPS	085
PIONEER 001	
RCA	034 103
RON	110
RODGERS	001
	042 251
SEREN	001
SERVICE ELECTRIC	110
SHAW	110
SIGECOM	001
SONY	108
SPRUCER	047
STARCOM	047
	047
SUSQUEHANNA	
SUSQUEHANNA TIME WARNER	004
	004 001 110
TIME WARNER	004 001 110 001 110
TIME WARNER TORX	004 001 110 001 110 004
TIME WARNER TORX UNITED CABLE	004 001 110 001 110 004 004
TIME WARNER TORX UNITED CABLE VERIZON VIDEOTRON	004 001 110 001 110 004 004 110 001
TIME WARNER TORX UNITED CABLE VERIZON VIDEOTRON VISTA III MEDIA	004 001 110 001 110 004 004 110 001 110
TIME WARNER TORX UNITED CABLE VERIZON VIDEOTRON VISTA III MEDIA WAVE BROADBAND	004 001 110 001 110 004 004 110 001 110 110
TIME WARNER TORX UNITED CABLE VERIZON VIDEOTRON VISTA III MEDIA WAVE BROADBAND WEHCO VIDEO	004 001 110 001 110 004 004 110 001 110 110 110
TIME WARNER TORX UNITED CABLE VERIZON VIDEOTRON VISTA III MEDIA WAVE BROADBAND	004 001 110 001 110 004 004 110 001 110 110

Brand Code Numbers

SATELLITE Receivers

SAIELLITE Receivers	
CABLEVISION	148
DIRECTV	173
DISH	122
ECHOSTAR	122
EXPRESSVU	122
GE	116
GENERAL INSTRUMENT	148
GOI	122
HITACHI	114
HTS	122
HUGHES	114
NC	122
lG	170
MITSUBISHI	114
NEXT LEVEL	148
PANASONIC	142
PHILIPS	156 114
PROSCAN	116
RADIOSHACK	148
RCA	116
SAMSUNG	163 175
SONY	115
STAR CHOICE	148
TOSHIBA	114
VOOM	148

TV

Brand	Code Numbers
ABEX	025
ADMIRAL	072 251 333
ADVENT	247
ADVENTURA	002
AIKO	103
ALERON	028
AKAI	116 146 248 281
AKAI	
	404 405
A MARK	112
AMERICA ACTIC	N 043
AMPRO	073
AMSTRAD	052
	13 054 056 080 112
	116 363 112 058
AOC	
APEX DIGITAL	006 591
ASTAR	477
AUDIOVOX	076
BELCOR	116
BELL&HOWELL	333 072
BRADFORD	043
-	
BROCKWOOD	116
CANDLE	116 002 003 363
CAPEHART	058
CELEBRITY	001
CENTURION	116
CETRONIC	043
CITIZEN	116 002 003 363
CITIZEI	
	043 258 103
CLARION	043
CLASSIC	043
CLP CLASSIC	333
COLORTYME	116
CONCIERGE	073
CONCERTO	363
CONTEC	043 050 051
-	
CORNEA	116
CRAIG	043 054
CROSLEY	164
CROWN	043
CURTIS MATHES	116 258 363
CXC	043
DAEWOO	363 043 076 103
DAYTRON	363
DELL	320 164 363
DIGITAL LIFESTYL	E 528
DIGITAL PROJECTION	N 570
DIGITRON	258
DIMENSIA	333
DUKANE	011 025
DUMONT	116 073
DURABRAND	096
DWIN	257
DYNASTY	043
DYNEX	399
EIKI	187
ELECTROBAND	001
ELECTROHOME	024 076
ELECTROGRAPH	
ELEKTRA	072
ELEMENT	494
EMERSON	028 048 043 155
	005 116 363 047
05	50 051 076 096 153
ENVISION	116
	110

Brand	C	Code	eΝι	umb	ers
ESA					387
FISHER				007	057
FUJITSU				246	198
FUNAI			028	043	052
FUTURETECH					043
GATEWAY					268
GE	073	116	008		
OL		074			
GEM	000	0/4	155	555	391
-				11/	
GIBRALTER					073
GOLDSTAR		113	116		004
					112
GRUNPY				028	043
HAIER					363
HALL MARK					363
HANNSPREE					381
HARLEY DAVI	DSO	N			028
HARSPER					466
HARVARD					043
HAVERMY					081
HELLO KITTY					076
HIMITSU					043
HISENSE			0.10		419
HITACHI	011	166			
		012			
HP			378	316	327
lo				472	399
INFINITY					164
INFOCUS				333	330
INTEQ					073
INSIGNIA		350	399	400	
		000	0//		403
JANEIL				104	002
JBL					164
JCB		0.00	00.4		001
JCPENNEY				116	
	009	030	065	258	_
JENSEN					013
NC		038	034	001	083
				199	210
KAWASHO				116	001
KEC					043
KENWOOD				116	001
KLEGG					466
KLOSS				002	059
KREISEN					530
KTV				0/3	116
KURAZAI				040	072
IG		2/2	112	116	
10		აია			
			363	106	
LODGENET					072
LOEWE					164
LOGIK					072
LUXMAN					363
LXI		166	007	138	052
			251	333	164
MAGNAVOX	[164		116	
	022				
MAJESTIC					072
MARANTZ					164
MATSUI				110	_
					164
MATSUSHITA					080
MAXENT				11/	242
MEGATRON				110	011

TV

Brand	Code Numbers
MEMOREX	007 072 363
MGA	116 363 024 028
MIDLAND	333 073
MINTEK	282 362
MINUTZ	008
MITSUBISHI	124 109 024 363
	028 040 146
MONTGOMERY	
MOTOROLA	081
MTC	116 363 258
MULTITECH	043
NAD	138 025
NEC	272 132 134 116
	040 024 056 019 262
NET TV	242
NIKEI	043
NIKKO	116
NIKO	527
NORCENT	390
NTC	103
NUVISION	351
OLEVIA	432
ONKING	043
ONWA	043
OPTIMUS	025
OPTONICA	019 251
OPTOMA	265
ORION	096
PANASONIC	080 034 056 164
	208 583
REVOLUTION HD	
PHILCO	116 003 059 060
THILCO	164 363 024 056
PHILIPS	164 005 093 038
	363 059 206 431 594
-	
PILOT PIONEER	234 025 018 023
MOINEER	
	116 272 393
POLAROID	388
PORTLAND	363
PRIMA	164
PRISM	034
PROSCAN	333
	363 112 058 171 172
PROTRON	392 398
PROVIEW	494
PROX	572
PULSAR	116 073
QUASAR	034 056
RADIO SHACI	
RCA	333 065 116 363 024
	056 152 023 074
REALISTIC	007 019 043 047
RUNCO	072 182 073 395 416
SAMPO	116 058 363 242
SAMSUNG	258 050 089 105
	363 333 228 229
SAMSUX	116
SANSEI	076
SANSUI	096
SANYO	166 007 020 053
-	057 082 187
SCEPTRE	276
SCOTCH	116
SCOTT	028 043 363 048

Brand	C	Code	eΝι	umb	ers
SEARS		030			
CELECO	05/	094	333		
SELECO				205	
SHARP				014	
		029	363	022	
SHENG CHIA					081
SHOGUN					116
SIGNATURE					072
SIMPSON					003
SONY					001
SOUNDESIGN	1	028	363	003	043
SOVA					363
SOYO					528
SPECTRICON					112
SPECTRONIG				392	398
SQUAREVIEW	/				052
STARLITE					043
SSS				363	043
SUPRA					116
SUPRE MACY					002
SUPREME					001
SVA					328
SYLVANIA		116	003	052	
				333	
SYNTAX OLEV	Л٨	000		363	
TANDY	n A		555	303	251
TATUNG					056
TECHNICS					030
TECHNOL AC	Ϋ́Ε				
TECHNOLAC					028
TEKNIKA		000	000	363	363
IENNINA		002			
TELERENT		020	043	0/2	
TERA					072 172
TMK					363
TNCI		100	000	007	073
TOSHIBA		138	030	007	
				258	325
TRUTECH					529
TVS					096
UNIVERSAL				800	
VICTOR					038
VIDEO CONCEP	15				146
VIDIKRON			174	164	
VIDTECH					363
VIEWSONIC				242	389
VIKING					002
VIORE				472	592
VISCO					494
VITO					363
VIZIO				386	
WARDS		008			
	061	072	074	164	
WAYCON					015
WESTINGHOUS	E			076	276
YAMAHA				116	363
YORK					363
YUPITERU					043
ZENITH	363	073	072	095	103
ZONDA					112

DVD/DVR/VCR

Brand Code Numbers AKAI 281 ALLEGRO 0.91 APEX DIGITAL 1111 BROKSONIC 130 OINEWISION 0.91 COEV 2.60 CYBE PROME 271 DENON 138 DURABRAND 0.91 DVD 2000 0.177 EMERSON 0.91 DURABRAND 0.91 DURABRAND 0.91 DURABRAND 0.91 DURABRAND 0.91 EMERSON 0.91 GOLTOEO 137 091 220 221 ILO 286 INTEL 1111 HARMAN KARDON 0884			1	
ALLEGRO 091 APEX DIGITAL 1111 115 BLAUPUNKT 1111 115 BROKSONIC 130 ORIEVISION 091 COBY 260 CYBERHOME 271 DENON 138 173 DIRABRAND 091 DVD 2000 017 EMERSON 091 143 ENTERPRISE 074 FISHER 147 GOLDSTAR 091 GOL VIDEO 137 091 220 221 222 CREENHILL 1111 HARMAN KARDON 084 140 HTTACH 101 HTEKER 087 ILO 268 INTIAL 1111 NISIGNIA 143 JBL 0084 VC 012 KENWOOD 151 KISS 279 KIH 133 BARANTZ 001 095 MARANTZ 001 095 MARANTZ 001 095 MARANTZ	Brand	Code Nu	mbe	ers
ALLEGRO 091 APEX DIGITAL 1111 115 BLAUPUNKT 1111 115 BROKSONIC 130 ORIEVISION 091 COBY 260 CYBERHOME 271 DENON 138 173 DIRABRAND 091 DVD 2000 017 EMERSON 091 143 ENTERPRISE 074 FISHER 147 GOLDSTAR 091 GOL VIDEO 137 091 220 221 222 CREENHILL 1111 HARMAN KARDON 084 140 HTTACH 101 HTEKER 087 ILO 268 INTIAL 1111 NISIGNIA 143 JBL 0084 VC 012 KENWOOD 151 KISS 279 KIH 133 BARANTZ 001 095 MARANTZ 001 095 MARANTZ 001 095 MARANTZ	A1// A1			201
APEX DIGITAL 111 115 BIAURUNKT 111 BROKSONIC 130 OINEVISION 091 COEY 260 CYBERHOME 271 DENON 138 173 DURABRAND 091 DURABRAND 091 DURABRAND 091 DURABRAND 091 ENTERPRISE 074 RISHER 143 ENTERPRISE 074 GOLDSTAR 091 GO VIDEO 137 091 220 221 222 GREENHIL 111 HACHI 101 HACHI 101 HACHI 101 NITACHI 111 NISIGNIA 143 BL 064 MC 012 KEL 104 ITEON 264 265 EXICON 148 IG 091 057 MAGNAVOX 0010 05 MAGNAVOX 010 17 MITEK 111 282 <td></td> <td></td> <td></td> <td></td>				
BLAUPUNKT 111 BRCKSONIC 130 OINEVISON 091 COBY 260 COBY 260 COBY 260 COBERHOME 271 DENON 138 DURABRAND 091 DVD 2000 017 EWRESON 091 EMRESON 091 GOLDSTAR 091 GOVDEO 137 091 MITAL 111 HERKER 067 ILO 268 INITAL 111 NSCHIA 143 BL 084 VC 012 KENWOOD 151 KISS 279 KIH 135 MEEL 104 ITEON 264 DEXCON				
BRCKSONIC 130 CNEVISION 091 COBY 260 CPERHOME 271 DURABRAND 091 DUD 2000 01173 DURABRAND 091 DVD 2000 01173 BITERPRISE 074 RISHER 147 RUNA 143 GOLDSTAR 091 GOV DEO 137 091 220 221 222 GREENHIL 111 HARMAN KARDON 084 140 HTECH 001 MITAL 111 NISGNIA 143 JBL 084 VC 012 KENWOOD 151 KISS 279 KIH 133 JBL 084 JC 0102 KENWOOD 151 KSS 279 KIH 135 MARANIZ 001 095 MAGNAVOX 001 096 143 282 MARANIZ 0101 095	APEX DIGITAL		111	115
CINEVISION 091 COBY 260 CYBERHOME 271 DENON 138 173 DENON 091 143 EMERSON 091 143 ENTERPRISE 074 FISHER 147 FUNA 143 GOLDSTAR 091 GO VIDEO 137 091 220 221 222 GREENHIL 111 HARMAN KARDON 084 140 HTACH 101 HTEKER 087 ILO 268 INTIAL 111 INSIGNIA 143 JBL 084 JC 012 KENWOOD 151 ISS 279 KIH 133 IEG 091 057 MACNAVOX 001 096 143 282 MARANIZ 001 095 MALATA 267	BLAUPUNKT			111
COBY 260 CYBERHOME 271 DENON 138 173 DURABRAND 091 DVD 2000 017 EMERSON 091 143 ENTERPRISE 074 ISHER 147 GOLDSTAR 091 GOL VIDEO 137 091 220 221 222 GREHHILL 111 HARMAN KARDON 084 140 HITACHI 1111 HARMAN KARDON 084 140 HITACHI 1111 NISIGNIA 143 JEL 087 ILO 268 NITIAL 1111 NISIGNIA 143 JEL 084 VC 012 KENWOOD 151 KISS 279 KH 133 IJEON 264 265 IZXCON 148 IG 091 057 MARANIZ 001 095 MARANIZ 001 095 MALAIA 267	BROKSONIC			130
COBY 260 CYBERHOME 271 DENON 138 173 DURABRAND 091 DVD 2000 017 EMERSON 091 143 ENTERPRISE 074 ISHER 147 GOLDSTAR 091 GOL VIDEO 137 091 220 221 222 GREHHILL 111 HARMAN KARDON 084 140 HITACHI 1111 HARMAN KARDON 084 140 HITACHI 1111 NISIGNIA 143 JEL 087 ILO 268 NITIAL 1111 NISIGNIA 143 JEL 084 VC 012 KENWOOD 151 KISS 279 KH 133 IJEON 264 265 IZXCON 148 IG 091 057 MARANIZ 001 095 MARANIZ 001 095 MALAIA 267	CINEVISION			091
CYBERHOME 271 DENON 138 DURABRAND 091 DURABRAND 091 DURABRAND 091 DURABRAND 091 ENTERPRISE 074 RISHER 143 ENTERPRISE 074 RISHER 147 FUNAI 143 GOLDSTAR 091 GO VIDEO 137 091 220 221 222 GREENHIL 111 HARCH 084 HITACH 111 HARCH 084 IO 268 INTIAL 111 INSIGNIA 143 JE 084 MC 012 KEN 044 MC 012 KREL 104 ITEON 264 265 EXICON 148 IG 091 057 MAGNAVOX 0010 05 MAGNAVOX 010 17 MYRYAD 102 134 <td< td=""><td></td><td></td><td></td><td></td></td<>				
DENON 138 173 DURABRAND 091 DVD 2000 017 EMERSON 091 143 BURERRISE 074 HSHER 147 FUNAI 143 GOLDSTAR 091 GOVIDEO 137 091 220 221 222 GREENHIL 111 HARMAN KARDON 084 140 HTACH 101 HEKKER 087 ILO 268 INTIAL 1111 INSIGNIA 1443 JBL 084 JVC 012 KENWOOD 151 ISS 279 KIH 135 KRELL 104 ITEON 264 265 EXICON 148 IG 091 057 MAGNAVOX 001 061 43 282 MITSUBISH 017 MARANTZ 001 075 MALA 267 MITSUBISH 017 NAD 088				
DURABRAND 091 DVD 2000 017 EMERSON 091 INTERPRISE 074 RSHER 147 FUNAI 143 GOLDSTAR 091 GREENHILL 111 HARMAN KARDON 084 140 HTTAL 111 INSCRIA 143 BL 086 MC 012 KENWOOD 151 INSS 279 KH 135 KRELL 104 JTEON 264 265 DRICON 143 282 MAGNAVOX 001 096 143 282 MARANTZ 001 095 MALATA 267 MERDIAN 153 NATANON 038	-		100	
DVD 2000 017 EMERSON 091 143 ENTERRISE 074 ISHER 147 FUNAI 143 GOLDSTAR 091 GO VIDEO 137 091 220 221 222 GREENHIL 111 HARMAN KARDON 084 140 HTACH 101 HTEKER 087 ILO 268 INTIAL 111 INSIGNIA 143 JBL 084 VC 012 KENWOOD 151 INSS 279 KIH 135 KRELL 104 IDEON 264 265 IEXCON 148 IG 091 057 MACNAVOX 001 096 143 282 MARANTZ 001 095 MALATA 267 MERIDIAN 153 INTEK 111 282 MARANIZ 001 095 NALATA 267 MERIDIAN 153			130	_
EMERSON 091 143 ENTERPRISE 074 RISHER 143 GOLDSTAR 091 GO VIDEO 137 091 220 221 222 GREENHIL 1111 HARAN KARDON 084 140 ITACHI 1011 HTACHI 1011 HTACHI 1011 INTIAL 1111 INSIGNIA 143 JBL 084 140 NC 0258 INTIAL 1111 INSIGNIA 143 JBL 084 MC 012 KENWOOD 151 KISS 279 KIH 135 KRELL 104 UTEON 264 265 EXICON 148 IG 091 057 MAGNAVOX 001 095 143 MINTEK 111 282 MISUBISHI 1012 134 NASANIC 138 144 150 285 PHILPS 010 035 301 RON				
BNTERPRISE 074 RSHER 147 RSHER 147 RUNAI 143 GOUDSTAR 091 GOVIDEO 137 091 220 221 222 GREENHIL 111 HARMAN KARDON 084 140 HITACHI 101 HARMAN KARDON 084 140 HITACHI 101 INSTRIA 143 BL 084 VC 012 KENWOOD 151 KISS 279 KIH 135 KRELL 104 ITEON 264 265 EXICON 148 IG 091 057 MAGNAVOX 001 096 143 282 MINTEK 111 284 MISUBISHI 017 MISONIC 03	-			
FISHER 147 FUNAI 143 GOLDSTAR 091 GO VIDEO 137 091 220 221 222 GRENHIL 111 HARWAN KARDON 084 140 HTACHI 101 HITEKER 087 LO 268 NITAL 1111 INSIGNIA 143 JBL 084 140 MC 012 KENWOOD 151 KSS 279 KIH 135 KREL 104 UTEON 264 265 EXICON 148 LG 091 057 MAGNAVOX 001 096 143 282 MARANTZ 001 095 MALTA 267 MINTEK 111 282 MINTEK 111 282 MISUBISHI 017 MYKYAD 102 134 NAA 040 088 NAKAWCH 103 PILIPS 001 095 344 HILPS 0175	EMERSON		091	143
FUNAI 143 GOLDSTAR 091 GO VIDEO 137 091 220 221 222 GREENHILL 111 HARWAN KARDON 084 140 HTACHI 101 HTEKER 087 ILO 268 INTIAL 111 NSGNIA 143 BL 084 JVC 012 KENWOOD 151 KSS 279 KIH 135 KRELL 104 JTEON 264 265 LOCON 143 282 MAGNAVOX 001 096 143 282 MARANTZ 001 095 MALATA 267 MERDIAN 153 NATEK 111 282 MINTEK 112 282 MERDIAN 153 NAKAWCH 100 NABANCHI 103	ENTERPRISE			074
GOLDSTAR 091 GO VDEO 137 091 220 221 222 GREENHIL 111 HARMAN KARDON 084 140 HTACH 101 HTRACH 001 MITAL 111 NSIGNIA 143 JBL 084 MC 012 KENWOOD 151 KISS 279 KH 133 KRELL 104 JTEON 264 265 LEXCON 1443 LG 091 057 MAGNAVOX 001 096 143 282 MARANTZ 001 095 MALATA 267 MERDAN 153 MITEK 111 282 MARANTZ 001 095 MALATA 267 MERDAN 153 NATEK 111 282 MARANTZ 001 095 NATA 267 MERDAN 153 NATA 267 MERDAN 153 <tr< td=""><td>FISHER</td><td></td><td></td><td>147</td></tr<>	FISHER			147
GOLDSTAR 091 GO VDEO 137 091 220 221 222 GREENHIL 111 HARMAN KARDON 084 140 HTACH 101 HTRACH 001 MITAL 111 NSIGNIA 143 JBL 084 MC 012 KENWOOD 151 KISS 279 KH 133 KRELL 104 JTEON 264 265 LEXCON 1443 LG 091 057 MAGNAVOX 001 096 143 282 MARANTZ 001 095 MALATA 267 MERDAN 153 MITEK 111 282 MARANTZ 001 095 MALATA 267 MERDAN 153 NATEK 111 282 MARANTZ 001 095 NATA 267 MERDAN 153 NATA 267 MERDAN 153 <tr< td=""><td>FUNAI</td><td></td><td></td><td>143</td></tr<>	FUNAI			143
GO VIDEO 137 091 220 221 222 GRENHAIL 111 HARMAN KARDON 084 140 HTACHI 101 HTACHI 101 HTACHI 101 HTACHI 101 INTAL 111 INSIGNIA 143 JE 084 MC 012 KISSIGNIA 143 JE 084 MC 012 KISS 279 KIH 135 KRELL 104 UTEON 264 265 LEXICON 148 LG 091 057 MAGNAVOX 001 096 143 282 MARANTZ 001 095 MALATA 267 MINTEK 111 282 MITSUBISHI 017 MYRYAD 102 134 NAAAMICH 103 MAGNAVOX 076 035 180 338 OPHINUS 023 OPHINUS 023 ORION 130 <				
GREEN-HILL 111 HARMAN KARDON 084 140 HITACH 101 HITACH 084 INTO 268 INITAL 111 INSIGNIA 143 JBL 084 JVC 012 KENWOOD 151 KISS 279 KIH 135 KRELL 104 ITEON 264 265 EXICON 148 LG 091 057 MAGNAVOX 001 096 143 282 MINTUBISH 017 MARANIZ 001 095 MALATA 267 MINTUBISH 017 MINTUBISH 017 NAD 088 NAKAMICH 103 NESA 111 ORION 130 NESA 111 ORINS 023 OPPO 266 341 ORINO 130 NESA 131 PULASONIC <td></td> <td>137 091 220</td> <td>221</td> <td></td>		137 091 220	221	
HARWAN KARDON 084 140 HTACHI 101 HITEKER 087 LO 268 ILO 268 ILO 268 ILO 268 INTAL 1111 INSIGNIA 143 JEL 064 MC 012 KENWOOD 151 KISS 279 KIH 135 KREL 104 UTEON 264 265 EXICON 148 LG 091 057 MAGNAVOX 001 096 143 282 MARANTZ 001 095 MALATA 267 MINTEK 111 282 MINTEK 111 282 MINTEK 111 282 MINTEK 111 282 MINTEK 111 ORKYO 076 035 180 338 OPINUS 023 ORION 130 PNASONIC 138 144 150 285 PILIPS 001 095 344		13/ 0/1 220	221	
HTACHI 101 HTEKER 087 ILO 268 INITAL 111 INSGNIA 143 JBL 084 JVC 012 KENWOOD 151 KSS 279 KIH 135 KRELL 104 JTEON 264 265 LEXICON 143 LG 091 057 MAGNAVOX 001 096 143 282 MARANTZ 001 095 MALATA 267 MERDIAN 153 MINTEK 111 282 MITSUBISH 017 MYRYAD 102 134 NAD 088 NAKAWICH 103 ONKYO 076 035 180 338 OPTIMUS 023 OPRO 266 341 RILPS 001 095 344 HILPS MACNAVOX 035 001 POLAUDIO 0333 OPTIMUS 023 131 DOLAROID 233 <td></td> <td></td> <td>00.4</td> <td></td>			00.4	
HITEKER 087 ILO 268 INITIAL 1111 INSIGNIA 143 JBL 0084 JVC 012 KENWOOD 151 KISS 279 KIH 135 KREL 104 JIEON 264 265 LEXCON 148 IG 091 057 MAGNAVOX 001 096 143 282 MARANTZ 001 095 MALATA 267 MERIDAN 153 MITSUBISHI 017 MYRYAD 102 134 NAD 088 NAKAWICH 103 ORION 130 PILIPS 001 095 344 HILPS MAGNAVOX 035 001 POLAZID 233 POLAZID 245 300 POLAZID 233 POLAZID 233 POLAZID 233 POLAZID 233 POLAZID 233		RDON	084	
LO 268 INITIAL 1111 INSIGNIA 143 JBL 084 MC 012 KENWOOD 151 KISS 279 KIH 135 KRELL 104 UTEON 264 265 EXICON 148 LG 091 057 MAGNAVOX 001096 143 282 MAGNAVOX 001 095 MALATA 267 MIRTEK 111 282 MITSUBISHI 017 MTSVBISHI 017 MACANICI 138 ORION 130 OPHO 266 341 ORION 035 001 <t< td=""><td>HITACHI</td><td></td><td></td><td>101</td></t<>	HITACHI			101
INITIAL 111 INSIGNIA 143 JBL 084 JVC 012 KENWOOD 151 KISS 279 KIH 135 KRELL 104 LIFEON 264 265 LEXICON 148 LG 091 057 MAGNAVOX 001 096 143 282 MAGNAVOX 001 096 143 282 MARANIZ 01075 MARANIZ 01075 MITSUBISHI 017 MITSUBISHI 017 NAD 088 NAKAMICHI 103 NESA 111 ORION 130 OPPO 266 341 ORION 130 OPPO 266 341 ORION 130 POLACID 233 POLACID 233 POLACID 233 POLASONIC 138 144 150 285 PHILPS 001 095 344 HILPS MAGNAVAX 035 001	HITEKER			087
INSIGNIA 143 JBL 084 JVC 012 KENWOOD 151 KSS 279 KIH 135 KREL 104 UTEON 264 265 EXICON 148 LG 091 057 MAGNAVOX 001 096 143 282 MARANTZ 001 095 MALATA 267 MERDIAN 153 MINTEK 111 282 MISUBISHI 017 MYRYAD 102 134 NAA 068 NAKAMICH 103 NESA 111 ORKYO 076 035 180 338 OPTIVUS 023 ORION 130 PANASONIC 138 144 150 285 PHIUPS 001 095 344 HILIPS 001 095 344 HUBS MAGNAVOX 035 001 RIO 091 RINCEH 269 SANSUI 154 SANSUI 154	ILO			268
IBL 084 JVC 012 KENWOOD 151 KSS 279 KH 135 KRELL 104 JTEON 264 265 LEXICON 148 G 0.91 057 MAGNAVOX 001 096 143 282 MARANTZ 001 095 MALATA 267 MERDIAN 153 MINTEK 111 282 MITSUBISH 017 MYRVAD 102 134 NAD 088 NAKAWICH 103 ONKYO 076 035 180 338 OPTIMUS 023 ORION 130 PANASONIC 138 144 150 285 PHILPS 001 095 344 HIESMAGNAVOX 035 001 POLAZIDIO 033 MACIDIO 035001 RICH 269 SANSUI 154 SANSUI 154 SENSORY SCIENCE 222 SHINSONIC <	INITIAL			111
IBL 084 JVC 012 KENWOOD 151 KSS 279 KH 135 KRELL 104 JTEON 264 265 LEXICON 148 G 0.91 057 MAGNAVOX 001 096 143 282 MARANTZ 001 095 MALATA 267 MERDIAN 153 MINTEK 111 282 MITSUBISH 017 MYRVAD 102 134 NAD 088 NAKAWICH 103 ONKYO 076 035 180 338 OPTIMUS 023 ORION 130 PANASONIC 138 144 150 285 PHILPS 001 095 344 HIESMAGNAVOX 035 001 POLAZIDIO 033 MACIDIO 035001 RICH 269 SANSUI 154 SANSUI 154 SENSORY SCIENCE 222 SHINSONIC <	INSIGNIA			143
NC 012 KENWOOD 151 KISS 279 KIH 135 KREL 104 LITEON 264 265 LEXICON 148 LG 091 057 MAGNAVOX 001 061 43 282 MARANIZ 001 095 MALATA 267 MINTEK 111 282 MINTEK 111 282 MISUBISHI 017 MISUBISHI 017 MISUBISHI 017 MISUBISHI 012 134 NAD 088 NAKAMICH 103 ORION 130 145 0285 PHILIPS 001 095 344 HILPS MAGNAVOX 035 001 POLAZOID 233 POLAZOID 233 POLAZOID 233 MASUNG 165 170 137 159 275 SANSUI 154 SENSORY SCIENCE 2222 SHARP 094 SHINSONIC 033 SONI				
KENWOOD 151 KISS 279 KIH 135 KRELL 104 UTEON 264 265 EXICON 148 LG 091 057 MAGNAVOX 001 091 057 MAGNAVOX 001 096 143 282 MARANTZ 001 095 MALATA 267 MERIDIAN 153 MITSUBISH 017 MYRYAD 102 134 NAD 088 NAKAWICH 103 OPHO 266 341 ORIN 138 OPHO 266 341 ORIN 138 POLACID 233 POLACID 233 POLARID 233 POLARID 231 RO 091 RICH 269 SANSUNG 165 170 137 159 275 SANSUNG 165 170 137 SEARS 130 SENSORY SCIENCE 2222 SHARP 094				
KISS 279 KIH 135 KRELL 104 LITEON 264 265 LIECON 148 LG 091 057 MAGNAVOX 001 096 143 282 MARANIZ 001 095 MALATA 267 MERDIAN 153 MINTEK 111 282 MISUBISHI 017 MYRYAD 102 134 NAKAMICH 103 NESA 111 ONKYO 076 035 180 338 OPTIVUS 023 ORION 130 PANASONIC 138 144 150 285 PHIUPS 001 095 344 PHIUPS 001 095 344 PHIUPS 001 095 344 PHIUPS 001 095 344 PHUPS 025 001 POLAROID 233 POLK AUDIO 035 001 RO 091 RITECH 269 SANSUI 154 SANSUI 154 SANSUI<				
KIH 135 KREL 104 UTEON 264 265 EXICON 148 LG 091 057 MAGNAVOX 001 096 143 282 MARANTZ 001 095 MALATA 267 MERDIAN 153 MINTEK 111 282 MINTEK 111 282 MISUBISH 017 MYRYAD 102 134 NAD 088 NAKAMICH 103 MISEA 111 ORKYO 076 035 180 338 OPTIVUS 023 ORION 130 PNASONIC 138 144 150 285 PHUPS 001 095 344 HUPS 001 095 344 HUPS 001 095 344 PHUPS 0130 091 RICH 269 SAMSUNG 165 170 137 159 275 SANSUI 154 SANSUI 154 SANSUI 154 SANSUI 154 SANSUI <td>-</td> <td></td> <td></td> <td></td>	-			
KRELL 104 UTECON 264 265 LEXICON 148 LG 0.91 057 MAGNAVCX 001 096 143 282 MARANTZ 001 095 MALATA 267 MERIDIAN 153 MINTEK 111 282 MITSUBISH 017 MYRYAD 102 134 NAA 006 088 NAKAWICH 103 ONKYO 076 035 180 338 OPTIMUS 023 ORION 130 PANASONIC 138 144 150 285 PHILPS 001 095 344 HILPS MAGNAVOX 035 001 POLACID 233 POLAROID 233 MASUNG 165 170 137 159 275 SANSUI 154 SANSUI 154 SENSORY SCIENCE 222 SHARP 094 SHINSONIC 033 SONIC BLUE 091 SONIC 023 145 191				
LITEON 264 265 LEXICON 148 LG 091 057 MAGNAVOX 001 096 143 282 MAGNAVOX 001 096 143 282 MARANTZ 001 095 MALATA 267 MERIDIAN 153 MITSUBISHI 017 MYRYAD 102 134 NAD 088 NAKAMICHI 103 NESA 1111 ORION 030 308 OPTIMUS 023 OPRO 266 341 ORION 130 PANASONIC 138 144 150 285 PHILIPS 001 095 344 HILIPS MAGNAVOX 035 001 POLKAUDIO 035 001 RO 091 RICH 269 SAMSUIG 165 170 137 159 275 SANSUI 154 SEINSORY SCIENCE 2222 SHARP 094 SHINSONIC 033 SONIC BLUE 091 SONIC 033 145 191	KLH			135
EXICON 148 LG 091 057 MAGNAVOX 001 096 143 282 MAGNAVOX 001 096 143 282 MARANTZ 001 095 MALATA 267 MERIDIAN 153 MINTEK 111 282 MISUBISH 017 MYRYAD 102 134 NAD 0088 NAKAMICH 103 NESA 1111 ORION 030 388 OPTIMUS 023 OPPO 266 341 ORION 130 PANASONIC 138 144 150 285 PHIUPS 001 095 344 HUIPS MACHAVOX 035 001 POLKAUDIO 035 001 POLKAUDIO 035 01 RO 091 XIECH 269 SANSUNG 165 170 137 159 275 SANSUNG 165 170 147 SEARS 130 SENSORY SCIENCE 222 SHARP 094 SHINSONIC 033 </td <td>KRELL</td> <td></td> <td></td> <td>104</td>	KRELL			104
EXICON 148 LG 091 057 MAGNAVOX 001 096 143 282 MAGNAVOX 001 096 143 282 MARANTZ 001 095 MALATA 267 MERIDIAN 153 MINTEK 111 282 MISUBISH 017 MYRYAD 102 134 NAD 0088 NAKAMICH 103 NESA 1111 ORION 030 388 OPTIMUS 023 OPPO 266 341 ORION 130 PANASONIC 138 144 150 285 PHIUPS 001 095 344 HUIPS MACHAVOX 035 001 POLKAUDIO 035 001 POLKAUDIO 035 01 RO 091 XIECH 269 SANSUNG 165 170 137 159 275 SANSUNG 165 170 147 SEARS 130 SENSORY SCIENCE 222 SHARP 094 SHINSONIC 033 </td <td>LITEON</td> <td></td> <td>264</td> <td>265</td>	LITEON		264	265
IG 091 057 MAGNAVOX 001 096 143 282 MARANZ 001 095 MALATA 267 MRENDAN 153 MINTEK 111 282 MISUBISHI 017 MYRVAD 102 134 NAD 088 NAKAWICH 103 NESA 1111 ONKYO 076 035 180 338 OPTIVUS 0223 ORION 130 PANASONIC 138 144 150 285 PHIUPS 001 095 344 HILPS 001 095 344 HILPS 001 095 344 PHILPS 0150 POLAROID 233 POLK AUDIO 035 001 RIECH 269 SAMSUING 165 170 137 159 275 SANSUI 154 SANSUI 154 SANYO 147 SEARS 130 SENSORY SCIENCE 222 SHINSONIC 033 SONIC BLUE 091 <	LEXICON			
MAGNAVOX 001 096 143 282 MARANTZ 001 095 MALATA 267 MERDIAN 153 MINTEK 111 282 MISUBISHI 017 MYRYAD 102 134 NAD 088 NAKAWICHI 103 MISEA 111 ONKYO 076 035 180 338 OPTIMUS 023 OPRO 266 341 ORION 130 PNASONIC 138 144 150 285 HILPS 001 095 344 HILPS 001 095 344 HUES MAGNAVOX 035 001 POLAROID 233 POLAROID 233 POLAROID 233 SANSUNG 165 170 137 159 275 SANSUNG 165 170 147 SEARS 130 SENSORY SCIENCE 222 SHARP 094 SHINSONIC 033 SONIC 033 SONIC 033 SONIC 033			091	
MARANITZ 001 095 MALATA 267 MERIDAN 153 MINTEK 111 282 MITSUBISHI 017 MYRYAD 102 134 NAD 0688 NAKAWICHI 103 ORIKYO 076 035 180 338 OPTIMUS 023 OPRO 266 341 ORION 130 PANASONIC 138 144 150 285 PHILPS 001 095 344 HILPS MAGNAVOX 035 001 POLAROID 233 POLAROID 233 POLAROID 233 POLAROID 235 SANSUI 154 SANSUI 154 SANVO 147 SEARS 130 SENSORY SCIENCE 222 SHARP 094 SIINSONIC 033 SONKO BULE 091 SONKY 002 031 145 191		001.096		
MALATA 267 MERIDIAN 153 MINTEK 111 282 MISUBISHI 017 MYRYAD 102 134 NAD 088 NAKAMICHI 103 NESA 1111 ONKYO 076 035 180 338 OPTIMUS 023 OPRO 266 341 ORION 130 PANASONIC 138 144 150 285 PHILPS 001 095 344 HILPS MACNAVOX 035 001 POLAROID 233 POLRER 023 131 POLARUDO 035 001 RO 091 RITECH 269 SANSUIG 165 170 137 159 275 SANSUI 154 SENSORY SCIENCE 222 SHARP 094 SHINSONIC 033 SONIC BULE 091 SONIC BULE 091 SONIC 033 145 191	-	001 070		
MERIDIAN 153 MINTEK 111 282 MITSIK 017 MYRYAD 102 134 NAD 088 NAKAWICHI 013 NAD 088 NAKAWICHI 013 ONIKYO 076 035 180 338 OPTIMUS 023 OPRO 2663 41 ORION 130 PANASONIC 138 144 150 285 PHIIPS 001 095 344 HIIPS 001 095 344 PHIES 001 095 341 POLAROID 233 POLK AUDIO 035 001 RITECH 269 SAMSUING 165 170 137 159 275 SANSUI 154 SANVO 147 SEARS 130 SENSORY SCIENCE 222 SHINSONIC 033 SINIC BLUE 091 SONIC BLUE 091 SONIY 002 033 145 191			001	_
MINTEK 111 282 MITSUBISHI 017 MYRYAD 102 134 NAD 088 NALAWICHI 103 NESA 1111 ONKYO 076 035 180 338 OPTIVUS 023 ORION 130 PANASONIC 138 144 150 285 PHIUPS 001 095 344 PHIUPS 001 095 344 PHIUPS 001 095 301 POLAROID 233 POLK AUDIO 035 001 RO 091 RITECH 269 SANSUI 154 SANSUI 154 SANSUI 154 SANSUI 154 SANSUI 154 SHINSONIC 033 SONIC BLUE 091 SINING BLUE 091 SONIY 002 033 145 191				
MITSUBISHI 017 MYRVAD 102 134 NAD 088 NAKAWICHI 103 NESA 1111 ONKYO 076 035 180 338 OPIINUS 023 OPINO 266 341 ORION 130 PNASCONIC 138 144 150 285 PHIUPS 001 095 344 HIUPS MAGNAVOX 035 001 POIKADIO 233 POILARDIO 035 001 RIC 091 RITECH 269 SANSUI 154 SANSUI 154 SANYO 147 SEARS 130 SEINSORY SCIENCE 222 SHARP 094 SHINSONIC 033 SONIC BULE 091 SONIC 033 145 191				
MYRYAD 102 134 NAD 068 NAKAMICHI 103 NESA 111 ONKYO 076 035 180 338 OPTIMUS 023 OPRO 266 341 ORION 130 PANASONIC 138 144 150 285 PHILPS 001 095 344 HILPS MAGNAVOX 035 001 POLAROID 233 POLAROID 233 POLAROID 235 001 RIC 269 SAMSUI 165 170 137 159 275 SANSUI 154 130 SENSORY SCIENCE 222 SHARP 094 SHINSONIC 033 SONKC BUE 091 SHINSONIC 033 SONKE 222 SHARP 094 SINSORIC 033 SONKE 020 SONK 002 031 145 191	MINTEK		111	282
NAD 088 NAKAWICHI 103 NESA 111 ONKYO 076 035 180 388 OPTIMUS 023 OPPO 266 341 ORION 130 PANASONIC 138 144 150 285 PHIUPS 001 095 344 HIUPS MACHANCX 035 001 POLRER 023 131 POLROID 233 POLROID 233 POLRER 0291 RIC 269 SANSUNG 165 170 137 159 275 SANSUNG 165 170 147 SEARS 130 SENSORY SCIENCE 2222 SHARP 094 SHINSONIC 033 SONKE BULE 091 SONKY 002 033 145 191	MITSUBISHI			017
NAKAWICHI 103 NESA 111 ONKYO 076 035 180 338 OPTIMUS 023 OPRO 266 341 ORION 130 PANASONIC 138 144 150 285 PHIUPS 001 095 344 HIUPS 001 095 344 HIUPS 001 095 344 PONEER 023 131 POLAROID 233 POLK AUDIO 035 001 RID 091 RITECH 265 SANSUI 154 SANSUI 154 SANSUI 154 SANSUI 154 SANSUI 154 SANSUI 154 SHARP 091 SHINSONIC 033 SUNC BLUE 091 SONIC BLUE 091 SONIY 002 033 145 191	MYRYAD		102	134
NAKAWICHI 103 NESA 111 ONKYO 076 035 180 338 OPTIMUS 023 OPRO 266 341 ORION 130 PANASONIC 138 144 150 285 PHIUPS 001 095 344 HIUPS 001 095 344 HIUPS 001 095 344 PONEER 023 131 POLAROID 233 POLK AUDIO 035 001 RID 091 RITECH 265 SANSUI 154 SANSUI 154 SANSUI 154 SANSUI 154 SANSUI 154 SANSUI 154 SHARP 091 SHINSONIC 033 SUNC BLUE 091 SONIC BLUE 091 SONIY 002 033 145 191	NAD			088
NESA 111 ONKYO 076 035 180 338 OPTIVUS 023 OPPO 266 341 ORION 130 PANASONIC 138 144 150 285 PHIUPS 001 095 344 HILIPS 001 095 344 PHURE 023 131 POLAROID 233 POLK AUDIO 035 001 RIC 269 SAMSUNG 165 170 137 159 275 SANSUI 154 SANSUI 154 SANYO 147 SEARS 130 SHINSONIC 033 SONIC BLUE 091 SHINSONIC 033 SONIC BLUE 091 SONIY 002 033 145 191				
ONKYO 076 035 180 338 OPTIMUS 023 OPTO 266 341 ORION 130 PNNASONIC 138 144 150 285 PHIUPS 001 095 344 PHURS MAGNAVOX 035 001 POINEER 023 131 POLAROID 233 POLAROID 035 001 RIC 091 RITECH 269 SANSUING 165 170 137 159 275 SANSUI 154 SENSORY SCIENCE 222 SHARP 094 SHINSONIC 033 SONIC BLUE 091 SONIC BLUE 091 SONIY 002 033 145 191	-			
OPTIMUUS 023 OPPO 266 341 ORION 130 PANASONIC 138 144 150 285 PHIUPS 001 095 344 HIUPS MAGNAVOX 035 001 PIONER 023 131 POLAROID 2331 POLAROID 035 001 RIC 045 100 RIC 0501 RIC 0691 RITECH 269 SANSUI 154 SANSUI 154 SENSORY SCIENCE 222 SHARP 094 SHINSONIC 033 SONKE BUE 091 SONKIC 033 SONKORUE 091		074 025	100	
OPPO 266 341 ORION 130 PANASONIC 138 144 150 285 HILIPS 001 095 344 HILIPS 001 095 344 HILIPS 001 095 344 PONEER 023 131 POLAROID 233 POK AUDIO 035 001 RIC 091 RITECH 223 SAMSUNG 165 170 137 159 275 SAMSUNG 165 170 137 159 275 SANSU 154 SANVO 147 SERS 130 SENSORY SCIENCE 222 SHINSONIC 033 SONIC BLUE 091 SONIC BLUE 091 SONY 002 033 145 191		0/0/033	100	
ORION 130 PANASONIC 138 144 150 285 PHILIPS 001 095 344 HILPS MAGNANOX 035 001 PONEER 023 131 POLAROID 233 POLK AUDIO 035 001 RICO 091 RITECH 269 SAMSUI 154 SANSUI 154 SANVO 147 SERASCH SCIENCE 222 SHARP 094 SHINSONIC 033 SONIC BILLE 097 SONIC BILLE 097 SONIC BILLE 091 SONIC BILLE 091 SONIC SOLENCE 222				
PANASONIC 138 144 150 285 PHIUPS 001 095 344 PHIUPS 001 095 344 PHIUPS 001 095 344 PHURPS 001 095 344 PHURPS 001 095 344 PHURPS 001 023 301 POLAROID 233 901 405 POLAROID 035 001 805 RITECH 2659 SAMSUING 165 170 154 SANSUI 154 SANVO 147 SEARS 130 SENSORY SCIENCE 2222 SHARP 094 941 941 SHINSONIC 033 SONIC 033 SONIC 033 SONIC 931 SONIC 002 031 145 191 147			266	
PHILIPS 001 095 344 HILIPS MACNAVOX 035 001 PIONEER 023 131 POLAROID 233 POLAROID 035 001 RIC 035 001 RIC 035 001 RIC 035 001 RIECH 269 SANSUING 165 170 137 159 275 SANSUI 154 SANSUI 154 SANYO 147 SEARS 130 SENSORY SCIENCE 222 SHARP 094 SHINSONIC 033 SONIC BLUE 091 SONKY 002 033 145 191	ORION			
HIJPS MAGNAVOX 035 001 PIONEER 023 131 POLAROID 233 POLAROID 233 RO 035 001 RO 035 001 RO 035 001 RO 091 RITECH 269 SANSUI 154 SEANSUI 154 SEARS 130 SENSORY SCIENCE 222 SHARP 094 SHINSONIC 033 SONKE BULE 091 SONKY 002 033 145 191	PANASONIC	138 144	150	285
PONEER 023 131 POLAROID 233 POLK AUDIO 035 001 RO 091 RITECH 259 SAMSUNG 165 170 137 159 275 SANSUI 154 SANYO 147 SERSORY SCIENCE 222 SHARP 099 SONIC BLUE 099 SONIC BLUE 099 SONY 002 033 145 191	PHILIPS	001	095	344
POLAROID 233 POLK AUDIO 035 001 RO 091 NITECH 269 SAMSUNG 165 170 137 159 275 SANSUI 154 SANVO 147 SERSORY SCIENCE 222 SHARP 999 SONIC BLUE 091 SONIC BLUE 099 SONY 002 033 145 191	PHILIPS MAGNA	VOX	035	001
POLAROID 233 POLK AUDIO 035 001 RO 091 NITECH 269 SAMSUNG 165 170 137 159 275 SANSUI 154 SANVO 147 SERSORY SCIENCE 222 SHARP 999 SONIC BLUE 091 SONIC BLUE 099 SONY 002 033 145 191				
POLK AUDIO 035 001 RIO 091 RITECH 2669 SAMSUING 165 170 137 159 275 SANSUI 154 SANYO 147 SEARS 130 SENSORY SCIENCE 222 SHARP 094 SHINSONIC 033 SONIC BLUE 091 SONKY 002 033 145 191			020	
RIC 091 RITECH 269 SAMSUING 165 170 137 159 275 SANSUI 154 SANYO 147 SEARS 130 SENSORY SCIENCE 222 SHARP 094 SHINSONIC 033 SONIC BLUE 091 SONKY 002 033 145 191			025	
R/TECH 269 SAMSUNG 165 170 137 159 275 SANSU 154 SANYO 147 SEARS 130 SENSORY SCIENCE 222 SHARP 094 SHINSONIC 033 SONCEULE 091 SONKY 002 033 145 191			035	
SAMSUNG 165 170 137 159 275 SANSUI 154 SANYO 147 SERS 130 SENSORY SCIENCE 222 SHARP 094 SHINSONIC 033 SONIC BLUE 091 SONY 002 033 145 191				
SANSUI 154 SANYO 147 SERS 130 SENSORY SCIENCE 222 SHARP 094 SHINSONIC 033 SONIC BLUE 091 SONY 002 033 145 191				
SANYO 147 SEASORY SCIENCE 222 SHARP 094 SHINSONIC 033 SONIC BLUE 091 SONIC NOV 002 033 145 191	SAMSUNG	165 170 137	159	275
SEARS 130 SENSORY SCIENCE 222 SHARP 094 SHINSONIC 033 SONIC BLUE 091 SONY 002 033 145 191	SANSU			154
SEARS 130 SENSORY SCIENCE 222 SHARP 094 SHINSONIC 033 SONIC BLUE 091 SONY 002 033 145 191	SANYO			147
SENSORY SCIENCE 222 SHARP 094 SHINSONIC 033 SONIC BLUE 091 SONY 002 033 145 191				130
SHARP 094 SHINSONIC 033 SONIC BLUE 091 SONY 002 033 145 191		ENCE		
SHINSONIC 033 SONIC BLUE 091 SONY 002 033 145 191	-			_
SONIC BLUE 091 SONY 002 033 145 191				_
SONY 002 033 145 191				
		000 000		
286 343	SONY	002 033		
			286	343

Brand	Code Numbers
SYLVANIA	143
SYMPHONIC	143
TATUNG	102
TEAC	023 270
TECHINICS	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

220 221 222
271
268
279
265
138
222
191
188

TV/DVD Combos

AKAI	281
FUNAI	143
INSIGNIA	143
MAGNAVOX	282
MINTEK	282
SAMSUNG	165
Sylvania	143
SYMPHONIC	143
TOSHIBA	130

TV/DVD/VCR Combos

MAGNAVOX	143
PANASONIC	144
SYLVANIA	143
TOSHIBA	164

DVD/VCR Combos

GO VIDE	C	13	7
PANASO	NIC	15	0
PHILIPS		00	1
(VCR Functions for V	CR 067	7)
SAMSUN	G 1	37 15	9
SANSUI		15	4
SONY		14	5
TOSHIBA		14	1
ZENITH		09	1
	(VCR Functions for V	CR10	I)

AUDIO

Brand	Code Numbers
ADCOM	082 092 225 161
	269 356
AIWA	170 018 104 202
	203 213 211 188
ΑΚΑΙ	
,	189
ANTHEM	335 337
ARCAM	141 077
ATLANTIC TECHN	OLOGY 342
B&K	096 097
BOSE	070 170 224 347
DOGL	409 460
BOSTON ACOUS	
CARVER	006 028 201 214
1	226 185 013 077 284
CITATION	148
CLARION	026
DENON	001 109 215 230
DENOIN	
	234 330
ELAN	290
ENUGHTENED AL	JDIO 099 098
ESCIENT	451
FISHER	214 066
FLEXTRONICS	378
FOSGATE AUDIO	
HARMAN KARDO	N 148 233 077
	154 118 318
HITACHI	020
INSIGNIA	589
INTEGRA	275 017 046 108
	080 209
JAMO	398
JCPENNEY	
	216
NC	163 191 114 279 291
	163 191 114 279 291 026 066 145 192
NC	163 191 114 279 291 026 066 145 192 005 280 374
NC	163 191 114 279 291 026 066 145 192
JVC KENWOOD	163 191 114 279 291 026 066 145 192 005 280 374
NC KENWOOD	163 191 114 279 291 026 066 145 192 005 280 374 331
NC KENWOOD KLH KOSS	163 191 114 279 291 026 066 145 192 005 280 374 331 216 573 384
NC KENWOOD KLH KOSS KRELL	163 191 114 279 291 026 066 145 192 005 280 374 331 216 573 384 120 235 236 237
NC KENWOOD KLH KOSS KRELL LEXICON	163 191 114 279 291 026 066 145 192 005 280 374 331 216 573 384 120 235 236 237 357 360
NC KENWOOD KIH KOSS KRELL LEXICON	163 191 114 279 291 026 066 145 192 005 280 374 331 216 573 384 120 235 236 237 357 360 124 377
IVC KENWOOD KLH KOSS KRELL LEXICON LINN LUXMAN	163 191 114 279 291 026 066 145 192 005 280 374 331 216 573 384 120 235 236 237 357 360 124 377 009 139 165 115 004
IVC KENWOOD KLH KOSS KRELL LEXICON LINN LUXMAN (MAGNAVOX	163 191 114 279 291 026 066 145 192 005 280 374 331 216 573 384 120 235 236 120 235 236 337 357 360 124 377 009 139 165 115 004 086 164 152 208
IVC KENWOOD KLH KOSS KRELL LEXICON LINN LUXMAN	163 191 114 279 291 026 066 145 192 005 280 374 331 216 573 384 120 235 236 237 357 360 124 377 009 139 165 115 004
IVC KENWOOD KLH KOSS KRELL LEXICON LINN LUXMAN (MAGNAVOX MARANTZ	163 191 114 279 291 026 066 145 192 005 280 374 331 216 573 384 120 235 236 120 235 236 237 357 360 124 377 009 139 165 115 040 086 164 152 208 006 028 031 040
NC KENWOOD KLH KOSS KRELL LEXICON LUXMAN (MAGNAVOX MARANTZ 063	163 191 114 279 291 026 066 145 192 005 280 374 331 216 573 384 120 235 236 237 357 360 124 377 009 139 165 115 004 086 164 152 208 006 028 031 040 185 186 265 289 492
IC KENWOOD KIH KOSS KRELL LEXICON LINN LUXMAN (MAGNAVOX MAGNAVOX MAGNATOSH	163 191 114 279 291 026 066 145 192 005 280 374 331 216 573 384 120 235 236 237 357 360 124 377 309 139 165 115 004 086 164 152 208 066 28 031 040 185 186 625 289 492 238 286
MC KENWOOD KIH KOSS KRELL LEXICON LIXMAN (MARANOX MARANOX MARANOX MARANOX MARANOX MARANOX MARANOX MARANOX MARANOX MARANOX MARANOX MARANOX MARANOX MARANOX MARANOX MARANOX	163 191 114 279 291 026 066 145 192 005 280 374 331 216 573 384 120 235 236 376 120 235 236 237 357 360 124 377 309 139 165 115 004 086 164 152 208 006 028 030 040 185 186 656 289 4922 238 286 100 012 013 100 012 013
NC KENWOOD KLH KOSS KRELL EXICON LUXMAN LUXMAN MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX	163 191 114 279 291 026 066 145 192 005 280 374 331 216 573 216 573 384 120 235 236 237 357 360 124 377 009 139 165 1504 086 164 152 208 006 028 031 040 185 186 265 289 492 238 286 100 012 013 100 120 123 242 204
MC KENWOOD KIH KOSS KRELL LEXICON LIXMAN (MARANOX MARANOX MARANOX MARANOX MARANOX MARANOX MARANOX MARANOX MARANOX MARANOX MARANOX MARANOX MARANOX MARANOX MARANOX MARANOX	163 191 114 279 291 026 066 145 192 005 280 374 311 216 573 216 573 384 120 235 236 237 357 360 124 377 009 139 165 1504 006 028 031 040 185 186 265 289 492 238 286 100 012 013 100 120 213 242 204 157 158 042 043
NC KENWOOD KLH KOSS KRELL EXICON LUXMAN LUXMAN MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX	163 191 114 279 291 026 066 145 192 005 280 374 331 216 573 216 573 384 120 235 236 237 357 360 124 377 009 139 165 1504 086 164 152 208 006 028 031 040 185 186 265 289 492 238 286 100 012 013 100 120 121 242 242
NC KENWOOD KLH KOSS KRELL EXICON LUXMAN LUXMAN MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX	163 191 114 279 291 026 066 145 192 005 280 374 311 216 573 216 573 384 120 235 236 237 357 360 124 377 009 139 165 1504 006 028 031 040 185 186 265 289 492 238 286 100 012 013 100 120 213 242 204 157 158 042 043
MC KENWOOD KLH KCSS KREL LEXICON LINN LINN MACNAVOX	163 191 114 279 291 026 066 145 192 005 280 374 331 216 573 384 120 235 236 237 357 360 006 124 377 009 139 165 115 004 006 028 031 040 185 186 265 289 492 238 286 100 012 013 242 204 157 158 042 043 081 112
MC KENWOOD KLH KOSS KRELL LEXICON LLXWAN (MAGNAVCX MARANTZ (MAGNAVCX MARANTZ (MARANTZ MCINTOSH MCINOSH MCINTOSH MCINO	163 191 114 279 291 026 066 145 192 005 280 374 331 216 573 384 120 235 236 237 357 360 124 377 009 139 165 115 004 086 164 152 208 006 028 031 040 185 186 265 289 492 238 286 100 012 013 242 204 157 158 042 043 081 112 0777
MC KENWOOD KIH KOSS KRELL LEXICON LUXMAN COM MAGNAVOX MARANTZ COG MAGNAVOX MARANTZ COG MAGNAVOX MARANTZ MITSUBISH MONDIAL MYRYAD NAD	163 191 114 279 291 026 066 145 192 005 280 374 331 216 573 384 120 235 236 337 120 235 236 237 357 360 124 377 109 139 165 115 004 086 164 152 208 006 028 031 040 185 186 265 289 492 238 286 100 012 013 242 204 157 158 042 043 081 112 077 186 113 040 244 245 172
NC KENWOOD KIH KOSS KRELL EXICON EXICON EXICON EXICON EXICON EXICATION CONTRACTOR CONTROL CONTRUCA CONTROL CON	163 191 114 279 291 026 066 145 192 005 280 374 331 216 573 384 120 235 236 237 357 360 006 124 377 100 139 165 115 004 086 164 152 208 006 028 031 040 185 186 265 289 492 238 286 100 012 013 242 204 157 158 042 043 081 112 077 186 113 040 244 245 172 183 287
MC KENWOOD KLH KCSS KRELL LEXICON LINN LIXMAN (MACNAVOX MARANTZ 063 MCINTOSH MERIDIAN MRTSUBSH MONDIAL MYRYAD NACAWICH NEC	163 191 114 279 291 026 066 145 192 005 280 374 331 216 573 384 120 235 236 120 235 236 237 357 360 124 377 009 139 165 115 040 086 164 152 208 006 028 031 040 185 186 265 289 492 238 286 1000 120 133 242 204 105 158 042 043 081 112 077 186 113 040 244 245 172 183 287 146 113 040 244 245 172 183 287 146 113 146 145 146 145 146 146 146 146 157 158 142 142
MC KENWOOD KLH KOSS KOSS KKELL LEXICON LIXMAN MACNAVOX	163 191 114 279 291 026 066 145 192 005 280 374 331 216 573 384 120 235 236 237 357 360 026 165 152 028 009 139 165 115 004 006 028 031 040 185 186 265 289 492 238 286 100 012 013 242 204 157 158 042 043 077 185 112 077 186 113 040 244 245 172 183 287 176 3443
MC KENWOOD KENWOOD KENWOOD KENKOSS KRELL EXICON EXICON EXICATION (CONTROL CONTROL CONT	163 191 114 279 291 026 066 145 192 005 280 374 331 216 573 384 120 235 236 120 235 236 337 357 360 124 377 009 139 151 1504 086 164 152 208 006 028 031 040 185 186 265 289 492 282 204 157 158 042 043 157 158 042 043 077 186 113 040 244 245 172 183 287 1766 343 343 403 403
MC KENWOOD KLH KOSS KOSS KKELL LEXICON LIXMAN MACNAVOX	163 191 114 279 291 026 066 145 192 005 280 374 331 216 573 384 120 235 236 337 120 235 236 237 357 360 124 377 109 139 165 115 004 086 164 152 208 006 028 031 040 185 186 265 289 492 238 286 100 012 013 242 204 157 158 042 043 081 112 077 186 113 040 244 245 172 183 287 1766 343 343 343 343 343 343 343 343 343 343 343 343 343 343 343 343 343 345 345 345 345 345 345 345
MC KENWOOD KENWOOD KENWOOD KENKOSS KRELL EXICON EXICON EXICATION (CONTROL CONTROL CONT	163 191 114 279 291 026 066 145 192 005 280 374 331 216 573 384 120 235 236 337 120 235 236 237 357 360 124 377 120 139 165 115 004 086 164 152 208 006 028 031 040 016 013 040 012 013 040 011 017 186 113 040 242 204 157 158 042 043 041 12 077 186 113 040 244 245 172 183 287 1766 343 343 343 403 343 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403
MC KENWOOD KENWOOD KENWOOD KENKOSS KRELL EXICON EXICON EXICATION (CONTROL CONTROL CONT	163 191 114 279 291 026 066 145 192 005 280 374 331 216 573 384 120 235 236 337 120 235 236 237 357 360 124 377 109 139 165 115 004 086 164 152 208 006 028 031 040 185 186 265 289 492 238 286 100 012 013 242 204 157 158 042 043 081 112 077 186 113 040 244 245 172 183 287 1766 343 343 343 343 343 343 343 343 343 343 343 343 343 343 343 343 343 345 345 345 345 345 345 345
MC KENWOOD KIH KOSS KRELL EXCON LINN LIXMAN (MAGNAVOX MARANTZ OG3 MCINTOSH MCIDIAN MTSUBISH MONDIAL MYRYAD NAD NAD NAAMICH NEC NIRO ONKYO ONKYO ONKYO	163 191 114 279 291 026 066 145 192 005 280 374 311 216 573 384 120 235 236 120 235 236 237 357 360 124 377 006 139 165 1504 086 164 152 208 006 028 031 040 185 186 265 289 492 238 286 100 012 013 040 245 204 081 112 077 186 113 040 242 204 157 158 042 043 081 112 077 186 113 040 242 245 172 183 287 176 343 343 343 3433 343 343
MC KENWOOD KLH KCOSS KRELL LEXICON LINN LIXMAN (MACNAVOX MARANTZ 063 MCINTOSH MERIDIAN MRTSUBSH MONDIAL MRTSUBSH MONDIAL MRTSUBSH MRTSUBS	163 191 114 279 291 026 066 145 192 005 280 374 331 216 573 120 235 236 377 360 124 120 235 236 237 037 360 124 377 009 139 165 115 006 006 128 238 286 1000 120 33 242 238 286 1000 120 33 242 204 157 158 042 043 081 112 077 040 157 158 042 043 287 176 148 183 287 176 343 343 343 343 343 343 345 145 107 164 108 026 040 207 017 046 108 207
MC KENWOOD KIH KOSS KRELL LEXICON LUXMAN COM MAGNAVOX MARANTZ COM MAGNAVOX MARANTZ COM MISUBISHI MONDIAL MITSUBISHI MONDIAL NACMICH NEC NIRO NILES CONKYO COPTINULS CUTLAW	163 191 114 279 291 026 066 145 192 005 280 374 331 216 573 384 120 235 236 377 373 357 360 124 377 307 360 124 377 009 139 165 115 004 086 164 152 208 006 028 492 238 286 100 012 013 242 204 157 158 042 043 081 112 077 186 113 040 244 245 172 183 287 176 343 343 343 343 343 343 343 343 343 344 343 347 342 342 342 342 342 342 344 344 344 344 344 344 344 344 344 344 344
MC KENWOOD KIH KOSS KRELL LEXICON LUXMAN COM MAGNAVOX MARANTZ COM MAGNAVOX MARANTZ COM MISUBISHI MONDIAL MITSUBISHI MONDIAL NACMICH NEC NIRO NILES CONKYO COPTINULS CUTLAW	163 191 114 279 291 026 066 145 192 005 280 374 331 216 573 384 120 235 236 120 235 236 237 357 360 124 377 009 139 165 1504 086 164 152 208 006 028 031 040 185 186 265 289 492 238 286 100 012 013 185 186 265 289 492 238 286 100 012 013 242 204 157 158 042 043 040 244 245 172 183 287 176 343 3403 3403 3403 3423 275 017 046 108
MC MC KENWOOD KENWOOD KENWOOD KEKSS KREL EBICON LINN LINN LINN MCINTOSH MAGNAVOX MAGNAVOX MAGNAVOX MAGNAVOX MARANTZ 063 MCINTOSH MREDIAN MCINTOSH MREDIAN NAD NAKAWICH NEC NIRO NIRO NILES OVITAW PANASONIC	163 191 114 279 291 026 066 145 192 005 280 374 331 216 573 384 120 235 236 337 120 235 236 237 357 360 124 377 120 139 165 115 004 086 164 152 208 006 028 031 040 086 164 152 208 006 012 013 165 165 015 016 018 186 208 140 018 186 208 100 012 013 142 041 157 158 042 043 041 112 077 186 113 040 242 243 176 343 343 343 343 343 343 343 343 343 343 343 342 342 342 342 342

Brand	Code Numbers
PHILIPS	249 250 063 805
PIONEER	014 039 044 069
168	116 035 078 198 480
PROCEED	144 268
RCA	010 048 117 156
	067 288
REALISTIC	019 095
ROTEL	083 085
SAMSUNG	016 804
SANSUI	040 048 110 063
	065 228
SANYO	214
SCOTT	019
SHARP	026 094 175
SHERWOOD	024 102 106 447
SONY	002 018 247 248
	166 101 184 218 271
SOUNDESIGN	v 036
SUNFIRE	344 345 066
TEAC	005 019 049 040
	212 217
TECHNICS	122 176 193 219
	178 177 200 257 262
THETA DIGITA	L 136
TOSHIBA	060 087 198 278
YAMAHA	026 253 169 067
173	205 264 232 089 274
ZENITH	143 210

SATELLITE Radios

DELPHI	515
POLKAUDIO	515
SIRIUS	555
XM SATELLITE RADIO	515

AUX

Brand Code Numbers

iPod Controls	
APPLE / iPod	901 912
BOSE	909
GRIFFIN	471
KENSINGTON	906
TEN TECHNOLOGY	901

MEDIA PC Controls

DELL	001
GATEWAY	001
HP	001
KEYSPAN	797
SONY	001
TOSHIBA	001
WINBOOK	001

GAMING SYSTEM Controls

MICROSOFT / XBOX	908 607
SONY / PS2	914

586
587
588
592
589
567
592
584
585
592
589 590
567
591 593

LIGHTS

Brand	С	ode	Nu	mbe	ers
COLORADO VN	ET		311	312	313
	314	315	316	317	318
CYRON					421
LEVITON					321
LIGHTOLIER CON	ITROL	S			307
LITE-TOUCH				708	757
LUTRON	001	158	159	306	308
			309	340	341
rako	301	302	303	304	305
WATT STOPPE	R			319	320
XANTECH				688	689
X-10				183	257

Frequently Asked Questions

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

No. The URC-A6 stores all of your settings in nonvolatile FLASH memory. You could remove the batteries for months, replace them at your convenience, and the URC-A6 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.

Notes

Notes

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)



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