## 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.

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## 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**

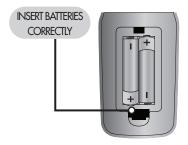
Once you have programmed the URC-A6 for all of your components, all you need to do is press a component button and all the buttons on the URC-A6 will work with that component. For example, when you press the TV component button, all the buttons on your URC-A6 will operate your TV. If you press the DVD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

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## 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

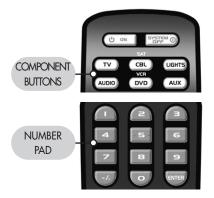
## TRY THIS FIRST!

### 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.



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

Three-Digit Code Set-Up Method

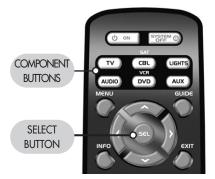
**STEP 1:** Find the 3-digit code numbers assigned to your brand from the lists in the back of this manual. The codes are listed by component category (i.e., TV, VCR, DVD, etc.), then by brand name. For instance, if you would like to locate a code for a Sony television, first locate the TV category and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

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## 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.

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## 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

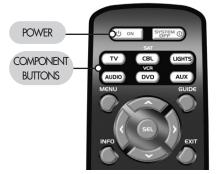
MacroPower makes several devices work together by pressing one button. Imagine the convenience of turning on your TV, your DVD player and your Surround Sound receiver by pressing a single button on your URC-A6. What could normally take three remotes and three button pushes, the URC-A6 can accomplish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

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#### 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.

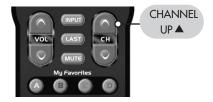
**STEP 2:** Press the 'A', 'B', 'C' or 'D' button and the MUTE button at the same time for 2 seconds until the CBL component LED turns on.

**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

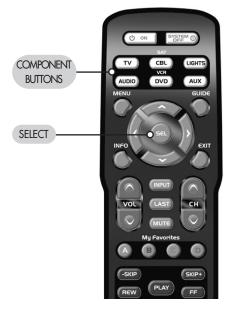
SimpleSound is one of the most exciting features of the URC-A6. It gives you total volume control over ALL the components in your system, even those that do not have built-in volume control, such as TIVO, DVD and VCR. SimpleSound saves you the hassle and inconvenience of constantly switching between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



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**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".

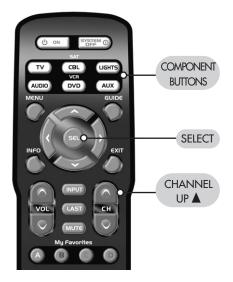
### Channel Control "Punch Through"

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.

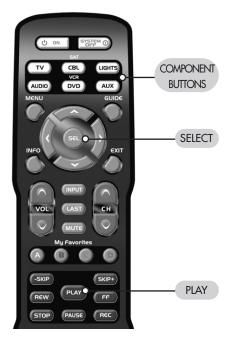
### Transport Control "Punch Through"

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.

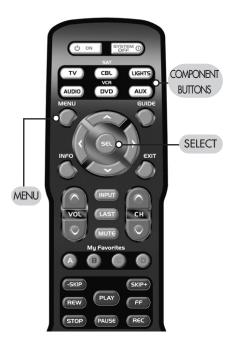
### OSD (On-Screen Display) Control "Punch Through"

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.

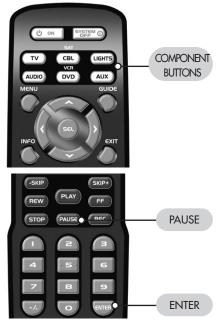
#### Erasing All Learned Commands from One Component

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.



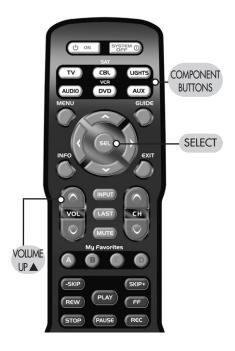
**NOTE:** To erase other Macros, simply press the appropriate button in Step 1 in combination with the MUTE button.

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### 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.

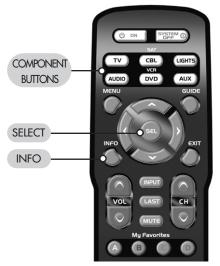


## Finding a Component's Set-up Code Number

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.

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## 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<>				
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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
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589
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592
584
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589 590
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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