

**Universal Remote Control**

# OWNER'S MANUAL

simply powerful™

# RF10



**MasterControl™**

## Congratulations!

Congratulations on purchasing Universal Remote Control's MASTERCONTROL™ RF10 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 RF10 can be used with thousands of audio/video Components because of the extensive code library pre-programmed into the remote. And, the RF10's impressive lineup of special advanced features can automate and customize the operation of your system in many ways. So... get ready to sit back, relax and simplify your home entertainment experience.

The Quick Setup DVD Program Guide supplied with the RF10 will assist you in programming your remote by guiding you through an easy step-by-step process. This Owner's Manual is designed as a companion reference source to the DVD Guide, should you need to refer back to a particular section, or review certain instruction detail not covered in the DVD. However, if you are unable to watch the DVD Guide for some reason, everything you need to know about programming the RF10 is contained in this Manual.

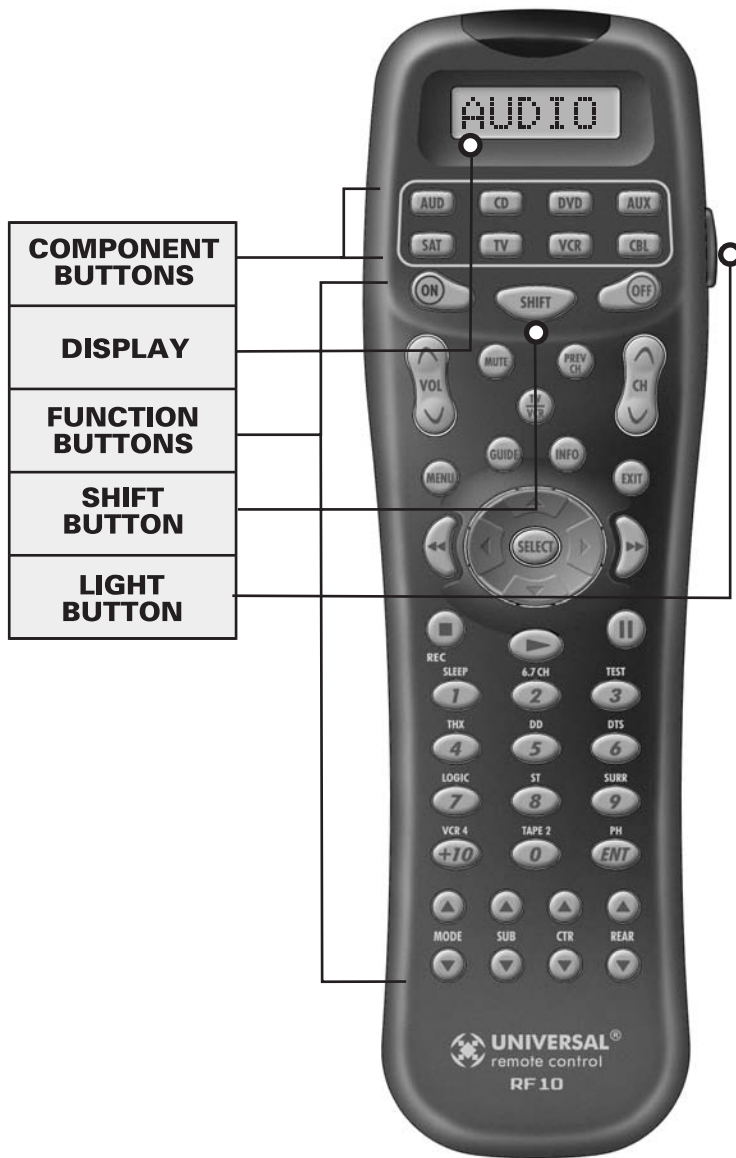


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MASTERCONTROL™ RF10 Owner's Manual  
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|                                   |  |    |       |    |
|-----------------------------------|--|----|-------|----|
| <b>LOCATION OF CONTROLS</b>       | Keypad Layout  | 3  |       |    |
| <b>GETTING STARTED</b>            | Overview   | 4  |       |    |
|                                   | Battery Installation                                       | 4  |       |    |
|                                   | Activating Component Commands                              | 5  |       |    |
|                                   | The SHIFT Button   | 6  |       |    |
| <b>BASIC SETUP</b>                | The LIGHT Button   | 6  |       |    |
|                                   | Overview   | 7  |       |    |
|                                   | Pre-Programmed Code Method                                 | 7  |       |    |
|                                   | Pre-Programmed Auto-Search Method                          | 11 |       |    |
|                                   | Learning Method  | 13 |       |    |
|                                   | Transmitting (Busy Signal) Icon                            | 16 |       |    |
| <b>ADVANCED SETUP</b>             | Child Lock Feature   | 16 |       |    |
|                                   | Customizing Component Names on the LCD Screen              | 17 |       |    |
|                                   | MacroPower™ Setup  | 19 |       |    |
|                                   | SimpleSound™ Setup & Other 'Punch Throughs'                | 21 |       |    |
|                                   | AUX Function: Programming an 8th Component                 | 23 |       |    |
| <b>ERASING COMMANDS</b>           | Recalling Pre-programmed Setup Code Numbers                | 25 |       |    |
|                                   | Erasing Learned Button, Macro or Favorite Channel Commands | 27 |       |    |
| <b>THE OPTIONAL POWERBLASTER™</b> | Re-setting RF10 to Original Factory Default Settings       | 33 |       |    |
|                                   | PowerBlaster™  | 35 |       |    |
| <b>PRE-PROGRAMMED CODE NOTES</b>  | Pre-Programmed Code Notes                                  | 37 |       |    |
| <b>PRE-PROGRAMMED CODE TABLES</b> | Pre-Programmed Code Tables                                 | 38 |       |    |
|                                   | TV   | 39 | AUDIO | 49 |
|                                   | CABLE  | 42 | SAT   | 52 |
|                                   | DVD  | 44 | CD    | 54 |
|                                   | VCR  | 47 | AUX   | 56 |
| <b>COMMAND LOCATIONS</b>          | Location of commands                                       | 58 |       |    |
| <b>OTHER INFO</b>                 | Frequently Asked Questions                                 | 67 |       |    |
|                                   | Specifications/Warranty                                    | 68 |       |    |



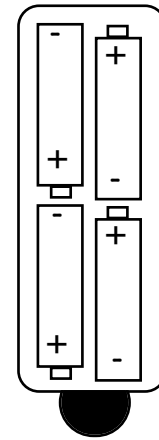
## Getting Started-Overview

This is what MASTERCONTROL™ RF10 is all about!

The RF10 is designed to operate up to 8 different Audio/Video Components and is pre-programmed to operate virtually all brands of TV, VCR, DVD and CD Players, Cable Set Top Boxes, Satellite Receivers, TiVo and other DVRs, Audio Components, Tape Decks, Multimedia PCs, XM Radio, Ipod, X-Box, Lighting Controls and other custom installation products. It also offers an impressive lineup of special features designed to provide you with many time-saving conveniences and enhance your overall entertainment experience. However, we strongly recommend that you fully complete all of the Basic Setup steps before proceeding to customize your RF10 with any of the special advanced features.

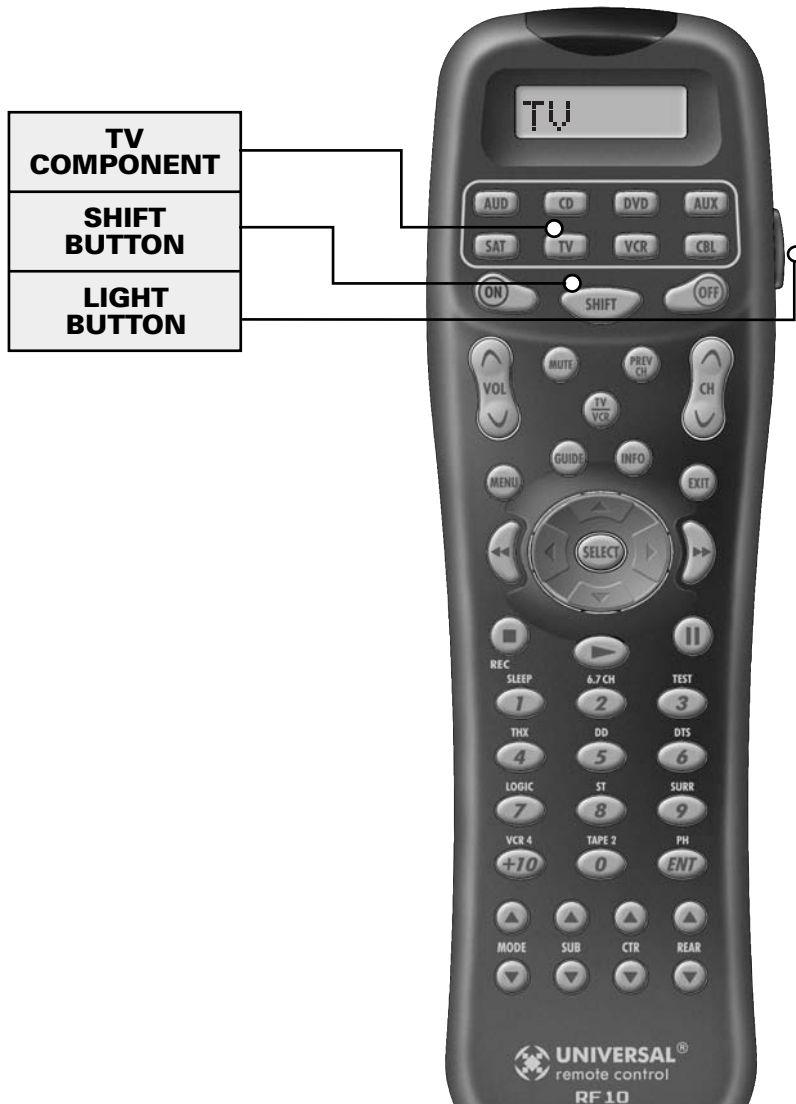
## Battery Installation

The very first step is to insert the four AAA batteries that are included in the package into the battery compartment located in the back of the remote. Just press the tab and lift off the cover. Please be sure to insert the batteries correctly as you see in the diagram. Remember, there is a positive and negative end to each battery and you can tell by the + (positive) and - (negative) symbols. Once the batteries are correctly installed, replace the cover. Now you're ready to start!



## Activating Component Commands – Simple, Easy, Intuitive

Once you've programmed RF10 for your Components, all you have to do to operate a specific Component is press the desired COMPONENT button. For example, press the TV COMPONENT Button. The top of the screen changes to TV. Now all of the buttons on the RF10 will work your TV. To operate another Component, simply press one of the other eight COMPONENT buttons.



## The SHIFT Button

Press SHIFT to access a second command for each COMPONENT button. While RF10 is in SHIFT mode, the display on the LCD screen will blink. The buttons labeled with white text on the case, indicate just some of the secondary commands available when you are in SHIFT mode.

**Note:** If you don't press a button within 10 seconds, the RF10 will exit SHIFT mode and return to normal operation.

**NOTE:** The AUDIO COMPONENT has a unique SHIFT functionality. It can send input commands to you're A/V Surround Sound receiver by pressing the COMPONENT buttons after SHIFT is selected.

## The LIGHT Button

The fully backlit keypad makes the RF10 easy to use in the dark or dim lighting conditions. Simply press the LIGHT button to backlight all the keypad buttons and LCD screen. To turn off the backlight, press the LIGHT button again, or just wait ten seconds (the backlight automatically shuts itself off). Lights out!

Try it out!

## Basic Setup - Overview

There are three ways to program the RF10:

- > **The Pre-Programmed Code Method**
- > **The Pre-Programmed Auto-Search Method**
- > **The Learning Method**

The Pre-Programmed Code Method allows you to setup all the buttons at once, so it's the fastest and easiest of the three methods. The Auto-Search Method scans through all the codes in the RF10, one at a time. The Learning Method allows you to transfer functions from other remotes (old or new), one button at a time.

## Pre-Programmed Code Method

### STEP 1:

The pre-programmed 3-digit codes are found in the back of this Manual on page 38. The codes are listed by Component category (i.e., TV, VCR, DVD, etc.), then by brand name. For instance, if you want to locate a code for a Sony TV, first locate the TV category, and then look for the Sony brand.

Once you have located the 3-digit code (or in some cases, several code numbers) for the Component that you want to operate with your RF10, write them ALL down on a piece of note paper. It's important that you write down all the codes because only one code is going to work for you.

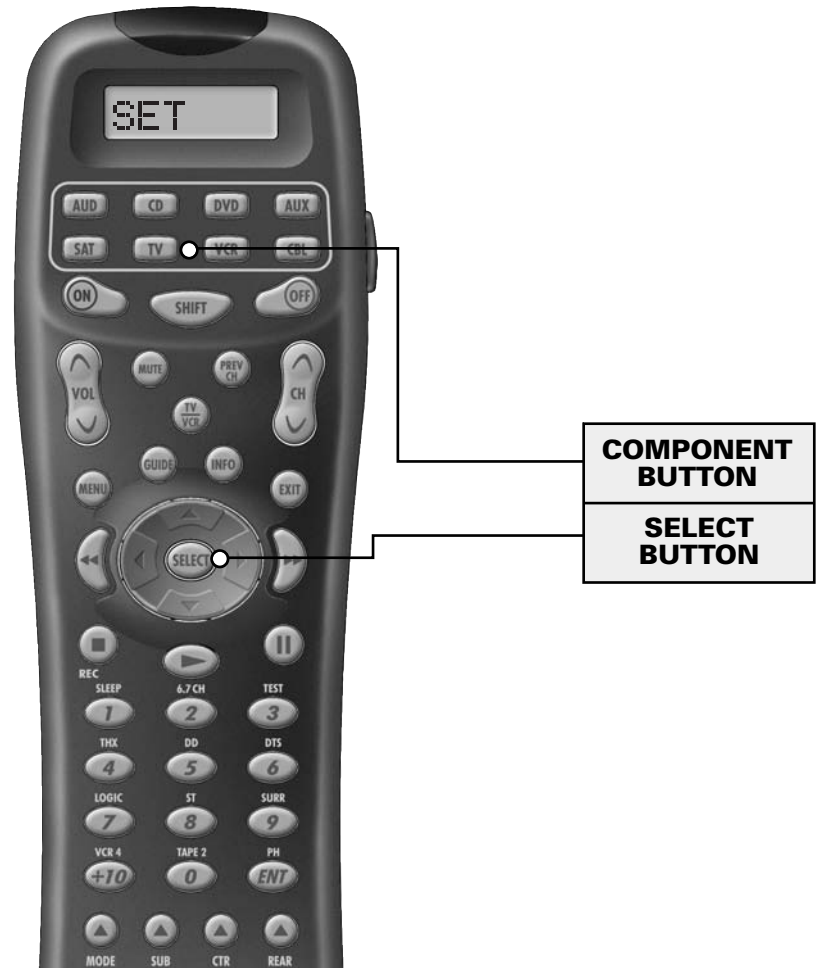
### STEP 2:

Now, turn on the Component you want to program... let's say your TV to start. Look up your TV's manufacturer setup code from your reference list.

### STEP 3:

Press and hold the COMPONENT button (in this case TV) and SELECT button at the same time for approximately 3 seconds. The LCD screen will display "SET" signaling that you are now in Setup mode and ready to program your TV.

**IMPORTANT:** You now have 30 seconds to perform the next step while you are in SETUP mode. If you don't press a button within 30 seconds, SET will disappear from the screen, signaling that you have exited setup mode and you will need to start over.



**STEP 4:**

Point the RF10 toward the Component you want to program, (in this example, TV), and punch in the 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. If the 3-digit code number that you just punched in is correct, the Component will turn off. If the Component does not turn off, continue entering code numbers from your list until the Component turns off. Some brands have several possible code numbers.



|                     |
|---------------------|
| <b>CODE DISPLAY</b> |
|---------------------|

|                  |
|------------------|
| <b>ON BUTTON</b> |
|------------------|

|                      |
|----------------------|
| <b>VOLUME BUTTON</b> |
|----------------------|

|                    |
|--------------------|
| <b>STOP BUTTON</b> |
|--------------------|

|                    |
|--------------------|
| <b>PLAY BUTTON</b> |
|--------------------|

**STEP 5:**

When the Component turns off, press the ON button to turn the Component back on. Now you can test the Volume and Channel buttons (for TV), or PLAY and STOP (for VCR and DVD) to make sure they all work. If any of the buttons do not work properly, you need to find a new correct code. For example, maybe your Sony TV turned off with code number 147, but the volume controls did not work properly. If this is the case, try the next code number listed for that Component until you find a perfect match.

**NOTE:** If the Component fails to turn off after you have entered all the code numbers listed for your brand, you can use either the Auto-Search Method on Page 11 or the Learning Method on Page 13.

**STEP 6:**

Once you have found the right code, save the code number by pressing the Component button you just programmed (in this case TV) one more time. The LCD screen will blink "SAVED" two times, signaling that the code number has been successfully saved, and then return to normal operating mode (in this case TV).



**NOW, PROGRAM THE REST OF YOUR COMPONENTS BY REPEATING STEPS 2 THROUGH 6. IN MOST SYSTEMS, YOU CAN FINISH BASIC SETUP IN JUST A FEW MINUTES AND PUT ALL YOUR OLD REMOTES AWAY.**



## Pre-Programmed Auto-Search Method

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

### STEP 1:

Turn on the Component you want to program... let's say your TV to start.

### STEP 2:

Press and hold both the COMPONENT (in this case TV) and SELECT buttons for approximately three seconds. The LCD screen will display "SET" signaling that you are now in Setup mode and ready to program your TV.

**IMPORTANT:** You now have 30 seconds to perform the next step while you are in SETUP mode. If you don't press a button within 30 seconds, SET will disappear from the screen, signaling that you have exited setup mode and you will need to start over.

**TV  
COMPONENT**

**SELECT  
BUTTON**

**UP ARROW  
BUTTON**

**ON  
BUTTON**



### STEP 3:

Press the UP ARROW Cursor button once. Each time the UP ARROW button is pressed, the code will count up one code number and send a POWER OFF signal. When the correct code is sent out, the component will turn off.



### STEP 4:

When the Component turns off, press the ON button to turn the Component back on. Now you can test the Volume and Channel buttons (for TV), or PLAY and STOP (for VCR and DVD) to make

sure they all work. If any of the buttons do not work properly, you need to find a new correct code. So, continue pressing the UP ARROW button until you find a code that makes the VOLUME and PLAY buttons work properly.

### STEP 5:

Once you have found the right code, save the code number by pressing the Component button you just programmed (in this case TV) one more time. The LCD screen will blink "SAVED" two times, signaling that the code number has been successfully saved, and then return to normal operating mode.

**NOTE:** If you can't find the right code after trying the UP ARROW button for 5 minutes, please try the Learning Method on Page 13.

## Learning Method

The RF10 can actually 'learn' commands from other remote controls (old or new), one-button-at-a-time, so it will never become obsolete. RF10 is the last remote you'll ever need! Just follow these simple steps:



### STEP 1:

Line-up the RF10 with the other remote control, head-to-head, one or two inches apart.

### STEP 2:

Press and hold both the desired Component button (in this case TV) and the ENT (Enter) button for approximately 3 seconds. The display on the LCD screen will show LEARN, signaling that you are now in LEARN mode and ready to 'teach' your RF10.

**IMPORTANT:** You now have 30 seconds to perform the next step while you are in SETUP mode. If you don't press a button within 30 seconds, SETUP will disappear from the screen, signaling that you have exited LEARN mode and you will need to start over.

**COMPONENT  
BUTTON**

**ENTER  
BUTTON**



### STEP 3:

Press any button on the RF10 that you want to teach a command to. Once you press a button, the top of the screen display will change from "LEARN" to "READY".



**NOTE REGARDING SHIFT FUNCTIONS:** You can teach a second additional command to a button by pressing the SHIFT button, then pressing the button you want to teach. Additionally, using the SHIFT button, you may teach commands to the COMPONENT buttons themselves at the AUDIO mode. Simply select the AUDIO component in STEP 2, press SHIFT, and then the component buttons you want to teach.

### STEP 4:

Press and hold the button on the other remote control that you want to 'teach' to the RF10 until the LCD display on the RF10 changes to either "GOOD" or "FAIL". It will then change to "READY". If the "GOOD" label appears on top of the display, you were successful.



Now, continue to teach the RF10 any other commands from your other remotes by repeating STEPS 3 and 4 until the RF10 has learned all the buttons you want.

If the "FAIL" label appears on top of the display, try 'teaching' the same button to the RF10 once again by repeating STEPS 3 and 4.



## Transmitting (Busy Signal) Icon

When a command is being transmitted, an icon will appear in the far right side of the LCD screen. This indicates that a signal is being sent. This is particularly useful when setting up Macros, since it flashes with every step of a sequence of commands.



### STEP 5:

Once you have completed teaching all the button commands to the RF10, save your work and return to normal operation by pressing both the COMPONENT button you pressed in STEP 2 and the ENT (Enter) button at the same time. The remote will respond by flashing SAVED on the display twice, then return to normal operating mode.

**NOTE: Test all your new commands. If any of them don't work, try the Learning Method again, following these suggestions:**

- Move to another room. Plasma TVs, sunlight, halogen or quartz lighting can interfere with the learning process.
- Even though the old remote seems to be working fine, put in fresh alkaline batteries.
- Gradually vary the distance between the remote controls. Try 1", 2" and so on, up to 4 feet.
- Try tapping the button on your old remote instead of pressing and holding it during the learning process.

#### Some additional Information regarding the Learning Process:

- Learned functions override any existing pre-programmed functions on the remote control.
- All buttons can be learned except for the PAGE, MAIN and LIGHT buttons.
- 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.
- To return to an original pre-programmed function, a learned function must be erased.

## CHILD LOCK FEATURE

This 'child-lock' feature prevents the unauthorized use of the remote control by children. It blocks all operations of the remote control.

#### To Activate:

Press the +10 and ENT (Enter) buttons simultaneously for 3 seconds. The LCD will blink "LOCK" three times and then display "LOCK".

#### To Return to Normal Operation:

Press the +10 and ENT (Enter) buttons simultaneously again for 3 seconds. The LCD will display the last use mode.

## Customizing Your RF10 with Special Advanced Features

After you've finished all your basic setup, you can choose to make operation easier by customizing the RF10 just the way you want, using the Special Advanced Setup Features described in this section.

### Customizing Component Names on the LCD Screen

You can easily edit or change the name of any of the eight COMPONENT buttons on the LCD screen. For example, you can rename AUX to "LIGHTS" or SAT to "DISH", etc. Here's how:

#### STEP 1:

Press and hold both the COMPONENT button you want to rename and the MENU button at the same time for approximately 3 seconds, until the word "EDIT" is displayed on the LCD screen. This signals that you are now in EDIT mode.



**IMPORTANT:** You now have 30 seconds to perform the next step while you are in EDIT mode. If you don't press a button within 30 seconds, EDIT will disappear from the screen, signaling that you have exited EDIT mode and you will need to start over.

#### STEP 2:

The current COMPONENT name will then appear on the screen, with the first space/character blinking on and off. Change the character by using any of the NUMBER buttons. Each press of the same NUMBER button selects the next character of that number's group, as shown in the diagram below:



#### STEP 3:

Once the character you want appears, move to the next space by pressing the Right (▶) cursor button. Use the Left (◀) cursor button to move the blinking character to the left. Use the Down (▼) cursor button to delete the currently blinking character.



#### STEP 4:

When you are finished editing the COMPONENT name, press the COMPONENT button you pressed in STEP 1 to save the changes. The RF10 will respond by flashing "SAVED" twice, then automatically return to normal operating mode.

## MacroPower™ Setup

MacroPower™ is a unique feature that enables you to turn all of your Components ON or OFF, at the same time, simply with the press of one button. We call that a “Macro”. What would normally take multiple remotes and button pushes, the RF10 can accomplish with the press of one button. In addition to the Power ON or OFF buttons, any of the Component buttons can be set to be Macro buttons as well. Feel the power!

To setup a Power ON macro button that will turn ON several components at the same time (for example, TV, VCR and CABLE), follow these easy steps:

### STEP 1:

Press and hold both the ON button and the MUTE buttons at the same time for approximately 3 seconds, until the word “MACRO” is displayed on the LCD screen. This signals that you are now in MACRO Setup mode.



**IMPORTANT:** You now have 30 seconds to perform the next step while you are in MACRO mode. If you don't press a button within 30 seconds, MACRO will disappear from the screen, signaling that you have exited MACRO Setup mode and you will need to start over.

### STEP 2:

Press the first COMPONENT button you want to turn on (in this example, TV) and then confirm the command by pressing the ON button. Repeat this step for all the other components in the order you want them to turn on (in this example, VCR followed by CABLE). The LCD screen changes to the MACRO step display for each command.



**(NOTE:** Whenever a button is pressed, another Macro step is counted and displayed on the screen.)

**NOTE:** Don't worry about the number of steps. Each macro button can store up to 50 steps, so you are not likely to run out of steps!

You can also program delays in between commands by pressing the (II) PAUSE button. Each press adds half a second to the delay.

### STEP 3:

Once you have entered all the desired Power On commands, press the CHANNEL (▲) UP button to save your MacroPower commands. The RF10 will respond by flashing “SAVED” twice, then automatically return to normal operating mode.

### SETTING UP A POWER OFF OR A COMPONENT BUTTON AS MACRO:

If you want to program macro commands for the OFF or one of the 8 component buttons, in STEP 1, simply press the button you want to be a macro instead of the ON button. For example, you can setup an AUDIO button to be a macro by pressing AUD (Audio) and MUTE for 3 seconds. Once the screen displays “MACRO”, press the button with the command you want. Then complete and save the Macro by following STEP 3 as outlined above.

### PROGRAMMING A

#### “PRESS & HOLD” MACRO:

Another option for macro buttons is to only send the macro commands if the button is pressed and held. This is setup by entering a delay as the first step of the macro. The amount of delay determines how long the user must press the button before the macro is sent. The advantage of this option is that a normal press of the COMPONENT button will simply switch Components without sending the macro command.

## SimpleSound™ Setup & Other 'Punch Throughs'

SimpleSound™ is a dynamic feature that gives you total volume control over all the Components in your system, even those without their own built-in volume control, such as TiVo, DVD and VCR... saving you the hassle and inconvenience of constantly needing to switch between Component modes on the remote. With SimpleSound™, you can set the RF10's volume control buttons to always control the sound in your system, even when you're in VCR or DVD mode, without switching back to AUDIO or TV. Even more exciting, SimpleSound $\phi$ , is what is called a 'Punch Through' feature and is not limited strictly to volume control. Click and enjoy!

Now, let's setup SimpleSound™. Here's how:

### STEP 1:

In a basic home entertainment system, the sound may come from your TV. In a more advanced system, the sound may come from your audio Component such as a Surround Sound Receiver or Home Theatre system. So, first, you need to identify which Component you want to use in your system for sound.

### STEP 2:

Press and hold both the COMPONENT button you want to add volume control to, such as DVD or VCR, and the SEL (Select) button for approximately 3 seconds, until the word "SET" is displayed on the LCD screen. This signals that you are now in SimpleSound Setup mode.

**IMPORTANT:** You now have 30 seconds to perform the next step while you are in Setup mode. If you don't press a button within 30 seconds, "SET" will disappear from the screen, signaling that you have exited Setup mode and you will need to start over.



### STEP 3:

Press the VOL+ button. The screen will alternately blink PUNCH and FROM in the display.



### STEP 4:

Now, press the COMPONENT button for the component that has the Volume control you want (i.e., TV for systems using the TV speakers, AUDIO for systems using Surround Sound receivers). The screen display will flash "SAVED" twice to confirm the command is saved, and the RF10 will automatically return to normal operating mode. This sets up a group of three buttons (Volume Up, Volume Down, and MUTE) in one action!

### STEP 5:

Repeat STEPS 2-4 until all your other components (VCR, CABLE, CD, etc.) operate the volume perfectly.

**NOTE:** The Punch Through feature is not limited to volume and can also be applied to other groups of buttons and functions. If you find yourself switching to a particular component frequently to use a group of controls, consider using Punch Through for another group, as listed here:

- **VOL** - Volume Up, Volume Down and Mute
- **CH** - Channel Up, Channel Down, Previous Ch and Channel (0-9) buttons.
- **PLAY** - Play, Stop, Pause, Rewind and Fast Forward
- **VOD** - Menu, Guide, Info, Exit, Up, Down, Left, Right, Select

Simply perform the steps above and for step 3, press the first button listed in the group and all buttons will be programmed.

## AUX Function: Programming an 8th Component

After you've finished customizing the RF10's programming for seven primary components, and you did not use AUX, you can take advantage of the AUX function to program an 8th component, such as a second TV, VCR, or any other audio/video component that you may have in your system.

### STEP 1:

Turn on the component you wish to setup (a second TV for example).

### STEP 2:

Press and hold both the AUX and SEL (Select) buttons at the same time for approximately 3 seconds, until the word "SET" displays on the LCD screen.



**IMPORTANT:** You now have 30 seconds to perform the next step while you are in Setup mode. If you don't press a button within 30 seconds, "SET" will disappear from the screen, signaling that you have exited Setup mode and you will need to start over.

### STEP 3:

Press the component button you want to setup (in this case TV).

### STEP 4:

Point the RF10 toward the Component you want to program, (in this example, TV), and punch in the 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. If the 3-digit code number that you just punched in is correct, the Component will turn off. If the Component does not turn off, continue entering code numbers from your list until the Component turns off. Some brands have several possible code numbers.

### STEP 5:

When the Component turns off, press the ON button to turn the Component back on. Now you can test the Volume and

**AUX  
BUTTON**

**NUMBER  
BUTTONS**



Channel buttons (for TV), or PLAY and STOP (for VCR and DVD) to make sure they all work. If any of the buttons do not work properly, you need to find a new correct code. For example, maybe your Sony TV turned off with code number 147, but the volume controls did not work properly. If this is the case, try the next code number listed for that Component until you find a perfect match.

### STEP 6:

Once you have found the right code, save the code number by pressing the Component button you pressed in STEP 2 (in this case AUX) one more time. The LCD screen will blink "SAVED" two times, signaling that the code number has been successfully saved, and then return to normal operating mode.

**NOTE:** Any component button can be setup to operate any type of component by following these same steps. Simply substitute the desired component button in place of AUX in STEP 2.

## Recalling Pre-Programmed Setup Code Numbers

In case you didn't write down the Pre-Programmed Code Numbers that you used to setup your RF10, you can easily recall them using this simple process:

### STEP 1:

Press and hold both the COMPONENT you want to identify and the SEL (Select) buttons at the same time for approximately 3 seconds, until the word "SET" is displayed on the LCD screen. This signals that you are now in setup mode.

**IMPORTANT:** You now have 30 seconds to perform the next step while you are in SETUP mode. If you don't press a button within 30 seconds, SETUP will disappear from the screen, signaling that you have exited setup mode and you will need to start over.

### STEP 2:

Press the INFO button. The name of the selected component will blink twice on the LCD screen, followed by the 3-digit code. Write down the code numbers as they appear for future reference. Pages 37 of this manual provides a convenient space for you to record your code numbers.

The RF10 will then automatically return to normal operating mode.



## Erasing Commands – Overview

You can erase a single command, all learned commands in each component mode, SimpleSound™ commands or MacroPower™ commands.

If you really want a fresh start, it is possible to reset the RF10 to its original factory default settings.

### Erasing One Learned Command

#### STEP 1:

Press and hold both the COMPONENT button where the command is stored and the ENT (Enter) button at the same time for approximately 3 seconds, until the word “LEARN” is displayed on the LCD screen.

**IMPORTANT:** You now have 30 seconds to perform the next step while you are in LEARN mode. If you don't press a button within 30 seconds, LEARN will disappear from the screen, signaling that you have exited erase mode and you will need to start over.

**COMPONENT  
BUTTONS**

**ENT  
BUTTON**



#### STEP 2:

Press and hold the button you want to erase for 2 seconds. The display will flash ERASE twice, then display LEARN.



Repeat this step to erase any other buttons in the same mode.

#### STEP 3:

To save, press and hold the COMPONENT button and the ENT button until the word “SAVED” flashes twice on the LCD screen. The RF10 will then automatically return to normal operating mode.

## Erasing All Learned Commands in One Component

### STEP 1:

Press and hold both the COMPONENT button where the command is stored and the ENT (Enter) button at the same time for approximately 3 seconds, until the word "LEARN" is displayed on the LCD screen.

**IMPORTANT:** You now have 30 seconds to perform the next step while you are in LEARN mode. If you don't press a button within 30 seconds, LEARN will disappear from the screen, signaling that you have exited erase mode and you will need to start over.

### STEP 2:

Press and hold both the COMPONENT button you want to erase and the PAUSE button until the display flashes ERASE eight times, followed by SAVED. Release the buttons and the RF10 will then automatically return to normal operating mode.

COMPONENT  
BUTTONS

COMPONENT  
BUTTONS

ENT  
BUTTON

PAUSE  
BUTTON

## Erasing All Learned Commands in ALL Components

**STEP 1:**

Press and hold both the POWER ON and the STOP buttons for 10 seconds, until the display flashes ERASE ten times

**STEP 2:**

Release the buttons and the display will flash SAVED twice and the RF10 will automatically return to normal operating mode

**POWER ON  
BUTTON**

**STOP  
BUTTON**

## Erasing Macro Commands

**STEP 1:**

Press and hold one of the MACRO buttons (ON, OFF or one of the 8 COMPONENT buttons) and the MUTE button, until the word "MACRO" is displayed on the LCD screen.

**IMPORTANT:** You now have 30 seconds to perform the next step while you are in MACRO mode. If you don't press a button within 30 seconds, MACRO will disappear from the screen, signaling that you have exited erase mode and you will need to start over.

**STEP 2:**

Press the CHANNEL (▲) UP button to save. The display will flash CLEAR and then SAVED two times.

**MACRO  
BUTTONS**



## Re-setting RF10 to Original Factory Default Settings

If you want to start with a clean slate, you can re-set the RF10 its original factory default settings by performing the following steps.

**NOTE: This process will essentially erase EVERYTHING you have programmed into the RF10.**

### STEP 1:

Press and hold both the POWER OFF button and the STOP button for 10 seconds. Continue to hold both buttons as the display flashes ERASE ten times, then RESET.

The RF10 will then display a self-testing routine for a few seconds, then automatically return to normal operating mode.



**POWER OFF  
BUTTON**

**STOP  
BUTTON**

## The Optional PowerBlaster™

(for 'barrier-free' RF control) [Sold separately]

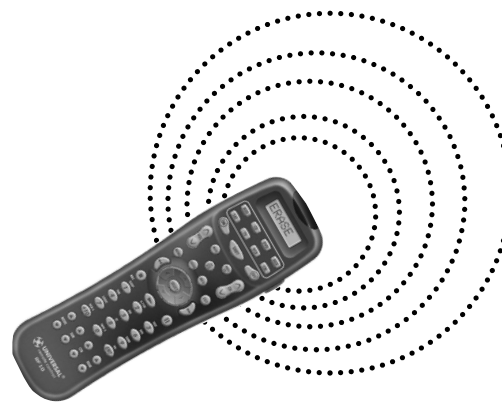
Of all the fabulous RF10 features, this is probably the most exciting. When used in combination with the optional PowerBlaster™, the RF10 becomes an amazing remote control powerhouse that sends multi-directional RF (Radio Frequency) signals that pass through walls, doors and floors – both indoors and outdoors.

This changes everything! It enables you to control Components that are completely out-of-sight, up to 100' away. The PowerBlaster™ picks up RF10's radio frequency signals from any direction, regardless of distance, so RF10 doesn't need to be pointed directly at any Component. Just imagine – no more pointing! Now you can close your entertainment center doors, hide your Components, and still control them with ease. Control outdoor speakers on your patio. Control your Components anywhere!

One of the best things about this is — nothing has to be done to the RF10 for this feature to work. Every time you press a button on the RF10, it sends both a standard IR (Infrared Command) AND an RF (Radio Frequency) signal. If you install the PowerBlaster™ kit, it will automatically receive RF10's radio signals and translate them into the infrared commands that control your Components.

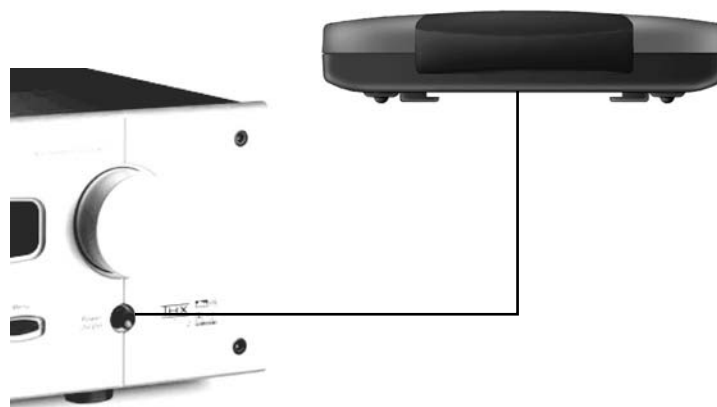
**NOTE:** The RF10's radio signals will not control Components directly. You must have a PowerBlaster™ to receive the RF10's radio signals. Components that came with "no pointing" radio remote controls cannot be operated by the RF10 unless the Component can be switched to standard IR (Infrared Control) via its internal menus. Some remote control ceiling fans are radio only and cannot be operated by the RF10.

The RF10 sends radio signal to the PowerBlaster™, which is a radio receiver.



The PowerBlaster™ converts radio signals to standard infrared commands and sends them out via a built-in front blaster to Components in the same cabinet space.

Self-adhesive "flashers" (included in the PowerBlaster™ kit) affix to the front panels of your Components. The flashers relay infrared commands to Components out-of-sight of the PowerBlaster's front blaster. The flashers plug into PowerBlaster's rear flasher line output jacks. Each flasher has a 10' cable to easily reach Components on nearby shelves.



## Pre-Programmed Code Notes

Record the three digit codes for your system here:

|          |       |
|----------|-------|
| AUDIO    | _____ |
| DVD      | _____ |
| CD       | _____ |
| SAT      | _____ |
| TV       | _____ |
| VCR      | _____ |
| CABLE    | _____ |
| AUX      | _____ |
| LIGHT    | _____ |
| TAPE     | _____ |
| PHONO    | _____ |
| TV2      | _____ |
| VCR2     | _____ |
| DVR      | _____ |
| LDP      | _____ |
| XM RADIO | _____ |
| IPOD     | _____ |
| X-BOX    | _____ |

## Pre-Programmed Code Tables

The RF10's Pre-Programmed code library is divided into categories (TV, VCR, AUX, etc.). Each category actually includes many types of Components. For example, the VCR category includes TV/VCR combo units.

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 for you to try. Just circle the correct row and refer to it while you setup (step by step instructions for using Pre-Programmed codes are found on page 7).

|              |  |
|--------------|--|
| <b>TV</b>    | TVs, Plasmas, Projectors and Monitors  |
| <b>CABLE</b> | Cable TVs and Web TVs  |
| <b>DVD</b>   | DVD Players and TV/DVD Combos  |
| <b>VCR</b>   | VCRs and TV/VCR Combos   |
| <b>AUDIO</b> | Amps, Preamps, A/V Receivers and XM Radios   |
| <b>SAT</b>   | Satellite Receivers, TiVo, Replay and other DVR's  |
| <b>CD</b>    | CD Players and CD Changers   |
| <b>AUX</b>   | Tape Decks, Lighting Controls, Multimedia PCs, Xbox, iPod and Custom Installation Products |

**NOTE: Following the Code Tables are Command Locators. Use the Command Locators to locate the additional commands that are accessed via the SHIFT button.**



## BRAND

## CODE NUMBERS

## BRAND

## CODE NUMBERS

TV

|               |  |
|---------------|--|
| ADMIRAL       | 072 081 161 160  |
| ADVENT        | 247  |
| AKAI          | 197 146 248  |
| A MARK        | 112 143  |
| AMPRO         | 167 073 157 183  |
| AMSTRAD       | 052  |
| ANAM          | 043 054 056 080 112 131  |
| AOC           | 197 004 112 058  |
| APEX DIGITAL  | 006 310  |
| AUDIOVOX      | 076 273  |
| BARCO         | 233  |
| BLAUPUNKT     | 088  |
| BROKSONIC     | 238  |
| CAIRN         | 201  |
| CANDLE        | 197 002 003 004  |
| CAPEHART      | 058  |
| CETRONIC      | 043  |
| CITIZEN       | 197 002 003 004 043 101 103 143  |
| CLASSIC       | 043  |
| CONCERTO      | 004  |
| CONTEC        | 043 050 051  |
| CORONADO      | 143  |
| CRAIG         | 043 054  |
| CROWN         | 043 143  |
| CURTIS MATHES | 197 101 004 143  |
| CXC           | 043  |
| DAEWOO        | 004 016 043 044 076 103 114 125 127 143                                |
| DAYTRON       | 004 143  |
| DELL          | 319 320 321  |
| DREAMVISION   | 235 345  |
| DWIN          | 177 257  |
| DYNASTY       | 043  |
| DYNATECH      | 062  |
| EIKI          | 187  |
| ELECTROHOME   | 143 024 076 196  |
| EMERSON       | 028 048 043 155 005 197 004 047 050 051 076 096 143 151<br>153 154     |
| EPSON         | 324  |
| ESA           | 323  |
| FISHER        | 007 057  |
| FUJITSU       | 198 246 346  |
| FUNAI         | 028 043  |
| FUTURETECH    | 043  |
| GATEWAY       | 242 268  |
| GE            | 160 144 165 073 197 008 009 034 056 074 130 155 161 004<br>091 157 183 |
| GOLDSTAR      | 113 116 102 004 106 112 119 127 143                                    |
| HALL MARK     | 004  |
| HANNSPREE     | 381  |
| HITACHI       | 011 163 166 004 009 010 012 023 075 143 158 072                        |
| HP            | 316 327 378  |
| HYUNDAI       | 337 338  |
| INFINITY      | 164  |
| INFOCUS       | 230 330 333  |
| INSIGNIA      | 350  |
| JBL           | 164  |
| JCPENNEY      | 004 024 197 008 009 030 065 101 143 156 160                            |
| JENSEN        | 013  |
| JVC           | 038 034 070 083 145 199 210 240 241                                    |
| KEC           | 043  |

|             |  |
|-------------|--|
| KENWOOD     | 197 070  |
| KLOSS       | 002 059  |
| KMC         | 143  |
| KTV         | 043 197 143 154  |
| LG          | 113 116 102 004 106 112 119 127 143 243 284 363 365                |
| LODGENET    | 072  |
| LOEWE       | 164  |
| LOGIK       | 072  |
| LUXMAN      | 004  |
| LXI         | 166 007 015 052 081 160 164  |
| MAGNAVOX    | 164 059 197 003 060 061 004 063 064 127 022 160 094 239<br>226 273 |
| MARANTZ     | 197 164 184  |
| MATSUI      | 164  |
| MAXENT      | 242  |
| MEMOREX     | 007 072 004  |
| METZ        | 088  |
| MGA         | 197 004 024 028 042  |
| MINERVA     | 088  |
| MITSUBISHI  | 109 124 024 004 028 040 042 146 191                                |
| MTC         | 197 004 062 101  |
| NAD         | 015 025  |
| NEC         | 132 130 134 197 040 016 024 056 019 236 237 262 272                |
| NIKEI       | 043  |
| NUVISION    | 351  |
| ONKING      | 043  |
| ONWA        | 043  |
| OPTOMA      | 265 270  |
| OPTONICA    | 019 081  |
| ORION       | 096  |
| PANASONIC   | 034 056 080 092 164 208  |
| PHILCO      | 197 003 059 060 064 164 004 024 056 063                            |
| PHILIPS     | 164 005 093 038 197 003 004 059 127 184 206 239 259                |
| PIONEER     | 135 025 197 018 023 116 190 234 335                                |
| POLAROID    | 138 268 328 353 354 356 388  |
| PORTLAND    | 004 143  |
| PROSCAN     | 144 160 161 165 167  |
| PROTON      | 004 131 058 143 171 173 193  |
| QUASAR      | 034 056 092  |
| RADIO SHACK | 019 004 143 043 127  |
| RCA         | 160 165 065 156 144 161 197 004 024 056 152 023 074 333            |
| REALISTIC   | 007 019 043 047  |
| ROCTEC      | 186  |
| RUNCO       | 168 169 178 179 180 181 182 183 073 157 340                        |
| SAMPO       | 197 058 004 202  |
| SAMSUNG     | 050 089 101 105 004 127 143 160 228 229 258                        |
| SANYO       | 166 007 020 053 057 082 187  |
| SCEPTRE     | 276  |
| SCOTT       | 028 043 004 048 143  |
| SEARS       | 015 030 004 007 028 057 143 094 160 082 165 166                    |
| SELECO      | 189 200 205 227  |
| SHARP       | 081 019 014 170 028 029 004 022 143 175 251                        |
| SIEMENS     | 088  |
| SIM2        | 189 200 205 227  |
| SIGNATURE   | 072  |
| SOLE        | 231 232  |
| SONY        | 070 139 147 126 185 194 085 213 277 279                            |
| SOUNDESIGN  | 028 004 003 043  |
| SPECTRICON  | 112  |
| SSS         | 004 043  |

TV

CODE TABLES

CODE TABLES

## BRAND

## CODE NUMBERS

## BRAND

## CODE NUMBERS

TV

|                |   |
|----------------|---|
| SUPRE MACY     | 002   |
| SVA            | 328   |
| SYLVANIA       | 197 003 059 060 063 064 164 044 160 127                 |
| SYNTAX OLEVIA  | 376   |
| TANDY          | 081   |
| TATUNG         | 056 062   |
| TECHNICS       | 034 080   |
| TECHWOOD       | 004   |
| TEKNIKA        | 002 003 004 024 028 043 072 101 143                     |
| TELEFUNKEN     | 037 046 086 087   |
| TELERENT       | 072   |
| TERA           | 172   |
| TMK            | 004   |
| TOSHIBA        | 015 138 030 007 040 062 101 325                         |
| TOTEVISION     | 143   |
| UNIVERSAL      | 008 009   |
| VIDEO CONCEPTS | 146   |
| VIDIKRON       | 174 184 188 192 340                                     |
| VIDTECH        | 004   |
| VIZIO          | 386 387   |
| VIEWSONIC      | 242   |
| WARDS          | 004 008 009 019 028 060 061 063 064 072 074 143 164 034 |
| WESTING HOUSE  | 076 280   |
| WINBOOK        | 339   |
| YAMAHA         | 197 004   |
| YORK           | 004   |
| YUPITERU       | 043   |
| ZENITH         | 073 072 095 103 157 183 243 284                         |
| ZONDA          | 112   |

|                    |                                     |
|--------------------|-------------------------------------|
| ABC                | 004 103 003 039 042 046 053         |
| ADELPHIA           | 043 074                             |
| ADVANCED NEWHOUSE  | 043                                 |
| ALTRIO             | 043                                 |
| AMERICAST          | 099                                 |
| ARCHER             | 005 007 014                         |
| ARMSTONG           | 074                                 |
| AT&T BROADBAND     | 074                                 |
| ATLANTIC BROADBAND | 043 074                             |
| BELL SOUTH         | 099                                 |
| BLUE RIDGE         | 043 074                             |
| BRESNAN            | 074                                 |
| BRIGHT HOUSE       | 043 110                             |
| BUCKEYE COMM       | 074                                 |
| CABLEVISION        | 043 074 108                         |
| CENTURION          | 092                                 |
| CENTURY            | 007                                 |
| CHARTER            | 043 074                             |
| CITIZEN            | 007                                 |
| COGECO             | 074                                 |
| COMBANO            | 080 081                             |
| COMCAST            | 043 074 110                         |
| COMSAT             | 074                                 |
| COX DIGITAL        | 043 074                             |
| DIGICABLE          | 101                                 |
| EAGLE              | 020 030 040                         |
| EASTERN            | 057 066                             |
| ECHOSTAR           | 106                                 |
| ELECTRICORD        | 032                                 |
| GEMINI             | 008 054                             |
| GENERAL ELECTRIC   | 072                                 |
| GENERAL INSTRUMENT | 074 103 104                         |
| GNC                | 099                                 |
| GOLDEN CHANNEL     | 030                                 |
| HAMLIN             | 049 050 055                         |
| HITACHI            | 103 055                             |
| INSIGHT            | 074                                 |
| JERROLD            | 074 004 103 002 003 008 009 010 069 |
| MAGNAVOX           | 010 012 064 079 095 094             |
| MASSILLON          | 074                                 |
| MEDIA ONE          | 107                                 |
| MEDICOM            | 074                                 |
| MEMOREX            | 052                                 |
| MITSUBISHI         | 102                                 |
| MOTOROLA           | 074 110 109 111                     |
| MOVIE TIME         | 028 032                             |
| MOXI               | 111                                 |
| NCTC               | 074                                 |
| NSC                | 015 028 038 071                     |
| OAK                | 031 037 053                         |
| PACE               | 043 074                             |
| PANASONIC          | 044 047                             |
| PARAGON            | 052                                 |
| PHILIPS            | 006 012 013 020 085 095             |
| PIONEER            | 043 103 034 051 063 076 105         |
| PRUCER             | 059                                 |
| PULSAR             | 052                                 |
| RCA                | 047                                 |
| RCN                | 074                                 |
| RECOTON            | 098                                 |

CABLE/WEBTV

CODE TABLES

CODE TABLES

## BRAND

## CODE NUMBERS

## BRAND

## CODE NUMBERS

CABLE/WEBTV

REGAL 049 050  
 REGENCY 057  
 RODGERS 043  
 SAMSUNG 030  
 SCIENTIFIC ATLANTA 043 011 003 041 042 045 046  
 SEREN 043  
 SERVICE ELECTRIC 074  
 SHAW 074  
 SIGECOM 043  
 SONY 096 108  
 SPRUCER 047 078  
 STARCOM 002 004 008 009  
 STARGATE 008 030 097 104  
 SUSQUEHANNA 043 074  
 TIME WARNER 043 074  
 TOCOM 039 040 056  
 TOSHIBA 052  
 UNITED CABLE 004 053  
 UNIVERSAL 005 007 014 032 035  
 VIDEOTRON 043  
 VIEWSTAR 012 015 018 086 087 088 089  
 WIDE OPEN WEST 043 099  
 ZENITH 052 060 093 100

AIWA 146  
 ALPINE 098  
 APEX DIGITAL 087 111 115 112 116  
 ARCAM 122  
 CAMBRIDGE AUDIO 215  
 CARY AUDIO DESIGN 174  
 CLASSE 167  
 COBY 258  
 DENON 007 080 173  
 FUNAI 143  
 GATEWAT 175  
 GE 026 027  
 GOVIDEO 137 218 220 221 222  
 HARMAN KARDON 084 140  
 HITACHI 101  
 ILO 268  
 INTEGRA 142 180  
 JVC 012  
 KENWOOD 151  
 KLH 135  
 KISS 179 279  
 KRELL 104  
 LEXICON 148  
 LG 091 057 074  
 LITEON 264 265  
 MAGNAVOX 066 096  
 MALATA 267  
 MARANTZ 083 095  
 MERIDIAN 153  
 MITSUBISHI 017  
 MYRYAD 102 134  
 NAD 088 155  
 NAKAMICHI 103  
 ONKYO 076 035 180  
 OPPO 266  
 PANASONIC 021 042 138 139 144 150  
 PHILIPS 066 083 095 105 166  
 PIONEER 023 092 099 107 108 131  
 POLAROID 233 234 237  
 PRIMARE 193 194  
 PROCEED 086  
 PROSCAN 026 027  
 RCA 026 027  
 RJTECH 269  
 ROTEL 204  
 SAMSUNG 056 070 119 165 170 137 159  
 SANSUI 154  
 SANYO 147  
 SENSORY SCIENCE 222 223  
 SHARP 094  
 SONY 033 118 145 126 191  
 SYLVANIA 143  
 SYMPHONIC 143  
 TAG MCLAREN 156  
 TATUNG 102  
 TEAC 270  
 THOMPSON 026 027  
 THULE 177  
 TOSHIBA 035 034 130 141 164 188  
 VENTURER 149

DVD

CODE TABLES

CODE TABLES

## BRAND

## CODE NUMBERS

## BRAND

## CODE NUMBERS

DVD

VINC 161  
 YAMAHA 042 089 166 195 197  
 ZENITH 057 074 091

THETA DIGITAL 032  
 TOSHIBA 152 106  
 YAMAHA 043 129

DVD

**DVD-TV/DVD Combos**

AIWA 146  
 FUNAI 143  
 SAMSUNG 165  
 SYLVANIA 143  
 SYMPHONIC 143  
 TOSHIBA 130

**DVD-TV/DVD/VCR Combos**

MAGNAVOX 143  
 PANASONIC 144  
 SYLVANIA 143  
 TOSHIBA 164

**DVD-DVD/VCR Combos**

GO VIDEO 137 218  
 PANASONIC 150  
 PHILIPS 105 (VCR Functions for VCR 067)  
 POLAROID 234  
 SAMSUNG 137 159  
 SANSUI 154  
 SONY 145 191  
 TOSHIBA 141  
 ZENITH 091 (VCR Functions for VCR171)

**DVD-DVD Recorder**

GATEWAY 175  
 GO VIDEO 220 221 222  
 ILO 268  
 KISS 279  
 LITEON 265  
 PANASONIC 139  
 SENSORY SCIENCE 222  
 SONY 191  
 TOSHIBA 188

**DVD-LD**

DENON 206 207  
 FUNAI 120  
 KENWOOD 152 013  
 MAGNAVOX 032 121  
 MARANTZ 211  
 MITSUBISHI 121  
 NAD 121  
 OPTIMUS 049 013  
 PANASONIC 113  
 PHILIPS 032  
 PIONEER 106 117 121  
 RADIO SHACK 120  
 RCA 002  
 REALISTIC 049  
 RUNCO 127  
 SANYO 075  
 SHARP 152 013  
 SONY 053 110  
 TECHNICS 113

CODE TABLES

CODE TABLES

## BRAND

## CODE NUMBERS

## BRAND

## CODE NUMBERS

VCR

|                |  |
|----------------|--|
| AIWA           | 034 161  |
| AKAI           | 016 146 043 046 124 125 142  |
| AMPRO          | 072  |
| ANAM           | 031  |
| AUDIO DYNAMICS | 012 023 039 043  |
| BROOKSONIC     | 035 037 129  |
| CANON          | 028 031  |
| CAPEHART       | 108  |
| CRAIG          | 003 040 135  |
| CURTIS MATHES  | 031 041  |
| DAEWOO         | 111 116 117 119 005 007 010 065 108 110 112                                |
| DAYTRON        | 108  |
| DBX            | 012 023 039 043  |
| DYNATECH       | 034 053  |
| ELECTROHOME    | 059  |
| EMERSON        | 006 029 035 017 025 027 031 034 036 037 046 101 129 131<br>138 153 162 116 |
| FISHER         | 003 010 008 009  |
| FUNAI          | 034  |
| GE             | 031 072 147 063 107 109 144  |
| GO VIDEO       | 132 136 155 040 115  |
| GOLDSTAR       | 101 106 114 013 020 012 123  |
| HARMAN KARDON  | 012 045  |
| HITACHI        | 004 026 150 018 034 043 063 137 160 013                                    |
| INSTANTREPLAY  | 031  |
| JCL            | 031  |
| JCPENNEY       | 012 013 015 040 066 101  |
| JENSEN         | 043  |
| JVC            | 048 043 130 150 055 060 012 031 050 152 166                                |
| KENWOOD        | 014 048 034 047  |
| LG             | 101 106 114 013 020 012 123  |
| LLOYD          | 034  |
| LXI            | 034 003 009 017 106  |
| MAGIN          | 040  |
| MAGNAVOX       | 067 031 034 068 041 156 164  |
| MARANTZ        | 067 069 012 031 156  |
| MARTA          | 101  |
| MATSUI         | 027 030  |
| MEI            | 031  |
| MEMOREX        | 101 003 010 014 031 034 053 072 102 134 139                                |
| MGA            | 045 046 059  |
| MINOLTA        | 013 020  |
| MITSUBISHI     | 059 061 151 013 020 045 046 051 142 049 168                                |
| MTC            | 034 040  |
| MULTITECH      | 024 034  |
| NEC            | 012 023 039 043 048  |
| NORDMENDE      | 043  |
| OPTONICA       | 053 054  |
| ORION          | 025  |
| PANASONIC      | 066 070 145 083 133 140 157 163 074 167                                    |
| PENTAX         | 013 020 031 063  |
| PHILCO         | 031 034 067  |
| PHILIPS        | 031 067 034 101 054 071 156  |
| PILOT          | 101  |
| PIONEER        | 021 013 048  |
| PORTLAND       | 108  |
| PULSAR         | 072  |
| QUARTZ         | 002 014  |
| QUASAR         | 066 145 075  |
| RADIO SHACK    | 123  |

|                 |   |
|-----------------|---|
| RCA             | 107 109 144 147 158 041 145 013 020 140 034 040     |
| REALISTIC       | 003 008 010 014 031 034 040 053 054 101             |
| RICO            | 058   |
| RUNCO           | 148   |
| SALORA          | 014   |
| SAMSUNG         | 102 104 113 115 112 120 032 040 066 107 109 122 125 |
| SANSUI          | 022 043 048 135                                     |
| SANYO           | 003 010 007 014 134 102                             |
| SCOTT           | 017 037 112 129 131                                 |
| SEARS           | 003 008 010 014 081 013 101 009 017 073 112         |
| SHARP           | 149 054 031 159 165                                 |
| SHINTOM         | 024   |
| SIGNATURE       | 034   |
| SONY            | 056 057 058 077 052 003 078 076 031 149 154         |
| SOUNDESIGN      | 034   |
| STS             | 013   |
| SYLVANIA        | 031 034 059 067                                     |
| SYMPHONIC       | 034   |
| TANDY           | 010 034   |
| TATUNG          | 039 043   |
| TEAC            | 034 039 043   |
| TECHNICS        | 031 070   |
| TEKNIKA         | 031 019 034 101                                     |
| THOMAS          | 034   |
| TMK             | 006   |
| TOSHIBA         | 112 131 079 008 059 047 082 013 042 081             |
| TOTEVISION      | 040 101   |
| UNITECH         | 040   |
| VECTOR RESEARCH | 012   |
| VICTOR          | 048   |
| VIDEO CONCEPTS  | 012 034 046 141                                     |
| VIDEOSONIC      | 040   |
| WARDS           | 003 013 017 024 031 034 040 053 054 131             |
| YAMAHA          | 012 034 039 043                                     |
| ZENITH          | 072 080 056 048 101 034 058                         |

## VCR-TV/VCR Combos

|             |         |
|-------------|---------|
| DAEWOO      | 005 117 |
| EMERSON     | 153     |
| FUNAI       | 034     |
| GOLDSTAR    | 101 123 |
| HITACHI     | 034     |
| JCPENNEY    | 101     |
| LG          | 101 123 |
| LLOYD       | 034     |
| MAGNAVOX    | 034 067 |
| MEMOREX     | 101     |
| PANASONIC   | 070 167 |
| PHILIPS     | 034 067 |
| RADIO SHACK | 123     |
| RCA         | 034     |
| SEARS       | 101     |
| SONY        | 057 154 |
| SYLVANIA    | 067     |
| SYMPHONIC   | 034     |
| THOMAS      | 034     |
| ZENITH      | 034     |

VCR

CODE TABLES

CODE TABLES

## BRAND

## CODE NUMBERS

## BRAND

## CODE NUMBERS

AUDIO

|                     |   |               |   |
|---------------------|---|---------------|---|
| ADC                 | 007   | KENWOOD       | 026 066 145 146 181 190 197 192 182 199 151 222 180 005 |
| ADCOM               | 082 092 225 161 269 355 356 366                         |               | 280 374 550   |
| AIWA                | 170 018 104 202 203 213 211 188                         | KINERGETICS   | 220 140   |
| AKAI                | 138 189   | KLH           | 331   |
| AMC                 | 125 126 127 128 258 281 282 038                         | KOSS          | 216 573   |
| AMEND               | 054   | KRELL         | 150 072 376 384   |
| AMX                 | 196   | KYOCERA       | 007   |
| ANGSTROM            | 142   | LEXICON       | 120 235 236 237 357 358 359 360 361 362 363 364         |
| ANTHEM              | 335 336 337 338 339                                     | LINN          | 124 377   |
| ARCAM               | 141 418 419   | LUXMAN        | 137 139 052 165 115 004 009                             |
| ATLANTIC TECHNOLOGY | 342   | LXI           | 076 056   |
| AUDIO ACCESS        | 147   | MAGNAVOX      | 086 164 152 208   |
| AUDIO ALCHEMY       | 135   | MARANTZ       | 006 028 031 040 063 185 186 251 265 119 289 296 492     |
| AUDIO DESIGN        | 194 221 011   | MCINTOSH      | 238 286   |
| AUDIO EASE          | 021 196 207   | MCS           | 076   |
| AUDIO FILE          | 071   | MERIDIAN      | 100 012 013   |
| AUDIO MATRIX        | 167   | MITSUBISHI    | 242 243 204   |
| AUDIO SOURCE        | 273   | MONDIAL       | 157 158 042 043 081 112                                 |
| AUDIO TECHNICA      | 134   | MYRYAD        | 276 293   |
| B & K               | 096 097   | NAD           | 186 113 283 478 479                                     |
| BOSE                | 070 170 224 347 409 459 460 532                         | NAKAMICHI     | 111 244 245 172 183 287                                 |
| BOSTON ACOUSTICS    | 447   | NEC           | 176   |
| BRYSTON             | 023   | NILES         | 403   |
| CAMBRIDGE AUDIO     | 522   | NIRO          | 343   |
| CARVER              | 006 028 061 071 201 214 226 180 185 022 029 077 284     | ONKYO         | 017 046 064 107 108 187 079 080 090 179 209 270 275 438 |
| CASIO               | 076   | OPTIMUS       | 026 041 138   |
| CHIRO               | 140   | OUTLAW        | 342   |
| CINEMA SOUND        | 034 134   | PANASONIC     | 032 195 219 177 292 383 516                             |
| CITATION            | 148 272   | PARASOUND     | 129 130 132 261 294 295 333 334                         |
| CLARION             | 026   | PHAST         | 196   |
| CLASSE              | 537   | PHILIPS       | 249 250 251 063 119                                     |
| COMPAQ              | 382   | PIONEER       | 014 033 039 044 045 050 069 159 168 116 035 078 198 480 |
| CURTIS MATHES       | 076   | POLKAUDIO     | 029 515   |
| DELPHI              | 415 515   | PRIMARE       | 464   |
| DENON               | 002 034 109 215 229 230 027 037 234 259 330 340 341 349 | PROCEED       | 144 268   |
|                     | 350 400 401 402 444 564                                 | RCA           | 010 048 117 156 067 288                                 |
| EAD                 | 466   | REALISTIC     | 019 056 073 075 095                                     |
| EIGER               | 149   | REQUEST       | 351   |
| ELAN                | 057 290   | REVOX         | 162   |
| ENLIGHTENED AUDIO   | 099 098   | ROTEL         | 074 083 085   |
| ESCIENT             | 368 381 451 452 453 454                                 | RUSSOUND      | 379 391 392   |
| FANFARE             | 352   | SAMSUNG       | 016 571   |
| FISHER              | 047 214 180 182 297                                     | SANSUI        | 040 048 110 119 065 228                                 |
| FLEXTRONICS         | 378   | SANYO         | 047 059   |
| FOSGATE             | 062 231   | SCOTT         | 019 091   |
| FOSGATE AUDIONICS   | 342   | SEARS         | 076   |
| GE                  | 056 260   | SHARP         | 026 094 131 175 181                                     |
| GOLDSTAR            | 008   | SHERWOOD      | 024 038 055 102 103 105 106 051 030 447                 |
| HAFLER              | 174   | SONY          | 018 093 223 247 248 160 166 015 101 184 218 271 353 369 |
| HARMAN KARDON       | 231 233 254 153 154 118 121 227 277 317 318 365         |               | 372 380 417 421   |
| HITACHI             | 020   | SOUNDESIGN    | 036   |
| IMERGE              | 371   | SOUNDMATTERS  | 375   |
| INKEL               | 197   | SOUNDSTREAM   | 084 088   |
| INTEGRA             | 354 438   | SSI           | 068   |
| JAMO                | 398   | SUMO          | 171   |
| JBL                 | 263   | SUNFIRE       | 344 345 346 494   |
| JCPENNEY            | 076 216   | TAEKWANG      | 138   |
| JEFF ROWLAND        | 206   | TEAC          | 005 019 049 111 212 217                                 |
| JENSEN              | 058   | TECHNICS      | 122 176 193 219 178 177 200 257 262                     |
| JVC                 | 240 163 191 114 266 279 291                             | THETA DIGITAL | 136   |

AUDIO

CODE TABLES

CODE TABLES



## BRAND

## CODE NUMBERS

## BRAND

## CODE NUMBERS

AUDIO

TOSHIBA 060 087 198 278  
 WARDS 180  
 YAMAHA 026 253 169 067 173 205 264 232 089 264 274 285 332 373  
 432 433  
 ZENITH 143 210

**AUDIO-XM Radios & Tuners**

BOSE 170 532  
 DELPHI 415 515  
 FANFARE 352  
 KENWOOD 550  
 POLKAUDIO 515  
 SONY 380

ALPHASTAR 123  
 AMPLICA 050  
 BIRDVIEW 129 113 051 126  
 BSR 053  
 CABLEVISION / VOOM 148  
 CAPETRONICS 053  
 CHANNEL MASTER 013 014 015 018 036 055  
 CHAPARRAL 008 009 012 077  
 CITOH 054  
 CURTIS MATHES 050  
 DIRECTV 173  
 DRAKE 005 006 007 010 011 112 116 141 052  
 DX ANTENNA 056 024 046 076  
 ECHOSTAR / DISH 122 038 040 057 058 093 094 095 096 097 098 099 100 167  
 168  
 ELECTROHOME 089  
 EUROSAT 114  
 EXPRESSVU 122  
 FUJITSU 017 021 022 027 133 134  
 GENERAL ELECTRIC 151 106 150  
 GENERAL INSTRUMENT 003 004 016 029 031 059 101 148  
 GOI 122  
 HITACHI 139 140  
 HOME CABLE 080 044 029  
 HOUSTON TRACKER 033 037 039 104 057 051  
 HTS 122  
 HUGHES 161 162 068 154 165 166  
 HYTEK 053  
 HYUNDAI 149  
 ICR 023  
 JANIEL 147  
 JVC 122  
 KATHREIN 108  
 LEGEND 057  
 LG 170  
 LUTRON 132  
 LUXOR 144 062  
 MACOM 059 010 063 064 065  
 MAGNAVOX 136  
 MARANTZ 152 153  
 MEMOREX 057 136  
 MITSUBISHI 068 154  
 MOTOROLA 148  
 NEXT LEVEL 148  
 NEXTWAVE 028 124 125  
 NORSAT 069 070  
 PACE 143  
 PANASONIC 142 160  
 PANSAT 121 172  
 PAYSAT 136  
 PERSONAL CABLE 117  
 PHILIPS 152 153 156 068 154 136  
 PL 023 026  
 PRESIDENT 019 102  
 PRIMESTAR 110 030  
 PROSAT 072  
 PROSCAN 151 106 150  
 RADIOSHACK 148  
 RCA 151 106 150  
 REALISTIC 043 074

SAT

CODE TABLES

CODE TABLES

## BRAND

## CODE NUMBERS

## BRAND

## CODE NUMBERS

SAT

|                   |   |
|-------------------|---|
| SAMSUNG           | 123 155 163 169 175                                     |
| SATELLITE SERVICE | 028 035 047 085   |
| SKY               | 164   |
| SONY              | 103   |
| STARCAST          | 041   |
| STAR CHOICE       | 148   |
| SUPERGUIDE        | 020 124 125   |
| TEECOM            | 023 026 075 087 088 090 107 130 137                     |
| TOSHIBA           | 127 068 154 157 158                                     |
| TOWN & COUNTRY    | 023 026   |
| UNIDEN            | 016 025 042 043 044 045 048 049 078 079 080 086 101 135 |
|                   | 136   |
| VIEWSTAR          | 115   |
| WINEGARD          | 128 146   |
| ZENITH            | 159   |

**SAT-DVR, TIVO**

|                 |             |
|-----------------|-------------|
| DISH            | 122         |
| ECHOSTAR        | 122         |
| HUGHES          | 205 207     |
| JVC             | 122         |
| PHILIPS         | 205 202 207 |
| RCA             | 206         |
| REPLAY NETWORKS | 201         |
| SONY            | 203 204     |
| TIVO            | 202 207     |
| TOSHIBA         | 207         |

|                  |   |
|------------------|---|
| ADCOM            | 062 042   |
| AIWA             | 059 065 088 089 105 122 170 187                         |
| AKAI             | 085 195 202   |
| AMC              | 231 232   |
| AMEND            | 118   |
| ARCAM            | 238   |
| AUDIO ACCESS     | 119 147   |
| AUDIO EASE       | 165   |
| AUDIO TECHNICA   | 046   |
| BSR              | 037 057   |
| CALIFORNIA AUDIO | 103 008   |
| CAPETRONIC       | 063   |
| CARRERA          | 057 080   |
| CARVER           | 185 041 044 050 086 107 130 134 135 138 139 203 204 167 |
| CASIO            | 111 182   |
| CLARINETTE       | 182   |
| CREEK            | 159   |
| CROWN            | 035   |
| DENON            | 002 123   |
| EMERSON          | 042 069 102   |
| FISHER           | 050 185 134 008   |
| FRABA            | 111   |
| GENEXXA          | 010 069 102   |
| GOLDSTAR         | 080   |
| HAITAI           | 093   |
| HARMAN KARDON    | 018 033 047 208   |
| HITACHI          | 042 175   |
| INKEL            | 130 143 144   |
| JCPENNEY         | 014 061 092 141   |
| JENSEN           | 158   |
| JVC              | 004 022 136 163 213 214 242 243                         |
| KENWOOD          | 185 007 023 055 071 072 142 137 254                     |
| KOSS             | 061   |
| KRELL            | 241   |
| KYOCERA          | 005   |
| LOTTE            | 102   |
| LUXMAN           | 011 028 070 076 249 252                                 |
| LXI              | 059   |
| MAGNAVOX         | 044 107   |
| MARANTZ          | 027 041 044 051 077 107 209 246                         |
| MCINTOSH         | 212 247   |
| MCS              | 014 073 092   |
| MEMOREX          | 010   |
| MISSION          | 044 107   |
| MITSUBISHI       | 179   |
| MITSUMI          | 153   |
| MODULAIRE        | 182   |
| MONDIAL          | 147   |
| MYRYAD           | 244 155   |
| NAD              | 006 005 067 178   |
| NAKAMICHI        | 217 218 219 095   |
| NEC              | 014 062   |
| NIKKO            | 046   |
| NSM              | 044 107   |
| ONKYO            | 030 038 039 168 169                                     |
| OPTIMUS          | 010 050 057 058 081 082 083 085 093 195                 |
| PANASONIC        | 103 201 172 008 068 248                                 |
| PARASOUND        | 233 240   |
| PHILIPS          | 041 044 107 246 253                                     |
| PIONEER          | 010 020 025 056 174 175 176                             |

CD

CODE TABLES

CODE TABLES

## BRAND

## CODE NUMBERS

## BRAND

## CODE NUMBERS

CD

PROCEED 239  
 PROTON 044 107 228  
 QUASAR 103 008  
 RADIO SHACK 182  
 RCA 017 042 150  
 REALISTIC 042 050 051 102 181 182 187  
 ROTEL 044 107 161 178 250  
 SAE 044 107  
 SANSUI 044 069 107 128 171 190 125  
 SANYO 050  
 SCOTT 069 102  
 SHARP 026 031 051 066  
 SHERWOOD 003 019 051 096 112 115 119 166  
 SIGNATURE 033  
 SONY 048 081 097 126 133 177 225 226 164  
 SOUNDESIGN 251  
 SUMO 155  
 SYLVANIA 044 107  
 SYMPHONIC 052 181  
 TAEKWANG 195 085  
 TANDY 010  
 TEAC 015 034 036 051 052 101 131 140 079  
 TECHNICS 060 103 200 172 184 008 068  
 TECHWOOD 076  
 THETA DIGITAL 234 235  
 TOSHIBA 006 067 091 160 148  
 VECTOR RESEARCH 080  
 VICTOR 004 022 114 124  
 WARDS 185 033  
 YAMAHA 024 046 054 186 183 245  
 YORX 182

3M 152  
 AIWA 164  
 APPLE/iPod 401  
 ARCHER 155  
 AURORA MULTIMEDIA 220  
 AUTON 191  
 BOSE 409  
 CELADON 221  
 CRESTRON 213 214 215 216 217 218  
 DELL 261 262  
 DMX 156  
 DRAPER SCREEN 204  
 DREAMVISION 097  
 DWIN 080 253  
 EVERQUEST 206  
 EXTRON 151  
 FAROUDJA 184  
 FUJI 209  
 GATEWAY 261 262  
 HAUPPAUGE 294 295  
 HP 261 262  
 HUNTERDOUGLAS 219  
 JERROLD 153  
 JVC 185  
 KENWOOD 185  
 KENSINGTON 406  
 KEYSpan 297  
 LITE-TOUCH 208 257  
 LUTRON 158 159 077  
 MAKITA 186 201  
 MICROSOFT/XBOX 408 107  
 MINDPATH 205  
 NILES 160 187  
 NSM 161  
 PIANO DISC PLUS 085  
 POLKAUDIO 162  
 RUSSOUND 081  
 SCIENTIFIC ATLANTA 163 156  
 SIMA 082  
 SOLO ELECTRONICS 207  
 SOMFY 078 079  
 SONY 164 165 166 261 262  
 STARCOM 153  
 TURBOSCAN 167  
 VELODYNE 203  
 X-10 183 093  
 XANTECH 168 169 170 171 172 188 189

**AUX-TAPE**

AIWA 015 071 100 114  
 CARVER 006 008 027 024 036  
 DENON 105 227 229  
 FISHER 064  
 GOLDSTAR 011  
 HARMAN KARDON 233  
 JVC 106 116 239 240  
 KENWOOD 005 013 023 026 064 145 146 181 190  
 LINN 124  
 LUXMAN 035 137 139  
 MAGNAVOX 027

AUX

| 57          | BRAND                        | CODE NUMBERS                | COMMAND                                       | BUTTON LOCATION | 58           |
|-------------|------------------------------|-----------------------------|---|-----------------|--------------|
| AUX         | MARANTZ                      | 014 027 056 065 087         | POWER/OFF                                     | OFF             | TV Locations |
|             | MCINTOSH                     | 238                         | POWER/ON                                      | ON              |              |
|             | MITSUBISHI                   | 242 243                     | VOL+  | VOL+            |              |
|             | NAD                          | 029 048                     | VOL-  | VOL-            |              |
|             | NAKAMICHI                    | 244 245 025                 | MUTE  | MUTE            |              |
|             | ONKYO                        | 002 012 016 017 018 019 115 | CH+   | CH+             |              |
|             | OPTIMUS                      | 026 054 055                 | CH-   | CH-             |              |
|             | PANASONIC                    | 007 010 032 088 195         | PREV CH                                       | PREV CH         |              |
|             | PHILIPS                      | 027 087                     | TV/VCR  | TV/VCR          |              |
|             | PIONEER                      | 003 039 047 050 066 098 222 | MENU  | MENU            |              |
|             | QUASAR                       | 007 088                     | CH GUIDE                                      | GUIDE           |              |
|             | SANSUI                       | 027 113 119 224             | DISPLAY                                       | INFO            |              |
|             | SHARP                        | 026 057 131 175 181         | CANCEL  | EXIT            |              |
|             | SHERWOOD                     | 038 004 028 030 033 034     | UP  | UP              |              |
|             | SONY                         | 020 022 052 084 089         | DOWN  | DOWN            |              |
|             | TEAC                         | 009 059 212                 | SELECT  | SELECT          |              |
|             | TECHNICS                     | 007 010 076 088 109 122 193 | LEFT  | LEFT            |              |
| TOSHIBA     | 112                          | RIGHT                       | RIGHT   |                 |              |
| VICTOR      | 106                          | 1                           | 1 / SLEEP                                     |                 |              |
| YAMAHA      | 021 026 031 067 040          | 2                           | 2 / 6.7 CH                                    |                 |              |
|             |                              | 3                           | 3 / TEST                                      |                 |              |
|             |                              | 4                           | 4/ THX  |                 |              |
|             |                              | 5                           | 5 / DD  |                 |              |
|             |                              | 6                           | 6 / DTS                                       |                 |              |
|             |                              | 7                           | 7 / LOGIC                                     |                 |              |
|             |                              | 8                           | 8 / ST  |                 |              |
|             |                              | 9                           | 9 / SURR                                      |                 |              |
|             |                              | 0                           | 0 / TAPE 2                                    |                 |              |
|             |                              | 10                          | +10 / VCR 4                                   |                 |              |
|             |                              | ENTER                       | ENT / PH                                      |                 |              |
|             |                              | PIP ON/OFF                  | MODE+   |                 |              |
|             |                              | PIP SWAP                    | SUB+  |                 |              |
|             |                              | PIP POSITION                | CENTER+                                       |                 |              |
|             |                              | PIP CH+                     | REAR+   |                 |              |
|             |                              | PIP OFF                     | MODE-   |                 |              |
|             |                              | PIP SIZE                    | SUB-  |                 |              |
|             |                              | PIP FREEZE                  | CENTER-                                       |                 |              |
|             |                              | PIP CH-                     | REAR-   |                 |              |
|             |                              | INPUT/ANT                   | Press SHIFT first, then press TV/VCR button.  |                 |              |
|             |                              | CAPTION                     | Press SHIFT first, then press MENU button.    |                 |              |
|             |                              | AUTO CH                     | Press SHIFT first, then press GUIDE button.   |                 |              |
|             |                              | SOUND                       | Press SHIFT first, then press INFO button.    |                 |              |
|             |                              | RESET                       | Press SHIFT first, then press EXIT button.    |                 |              |
|             |                              | ADD                         | Press SHIFT first, then press UP button.      |                 |              |
|             |                              | DELETE                      | Press SHIFT first, then press DOWN button.    |                 |              |
|             |                              | SLEEP                       | Press SHIFT first, then press 1/SLEEP button. |                 |              |
|             |                              | RATIO                       | Press SHIFT first, then press 2/6.7CH button. |                 |              |
|             |                              | RGB INPUT                   | Press SHIFT first, then press 3/TEST button.  |                 |              |
|             |                              | COMPONENT                   | Press SHIFT first, then press 4/THX button.   |                 |              |
|             |                              | MODE                        | Press SHIFT first, then press 5/DD button.    |                 |              |
|             |                              | WIDE                        | Press SHIFT first, then press 6/DTS button.   |                 |              |
|             |                              | S-VIDEO INPUT               | Press SHIFT first, then press 7/LOGIC button. |                 |              |
|             |                              | VIDEO1 INPUT                | Press SHIFT first, then press 8/ST button.    |                 |              |
|             |                              | VIDEO2 INPUT                | Press SHIFT first, then press 9/SURR button.  |                 |              |
| CODE TABLES | <b>AUX-Media PC Controls</b> |                             |   |                 | COMMAND      |
|             | DELL                         | 261 262                     |   |                 |              |
|             | GATEWAY                      | 261 262                     |   |                 |              |
|             | HAUPPAUGE                    | 294 295                     |   |                 |              |
|             | HP                           | 261 262                     |   |                 |              |
|             | KEYSPAN                      | 297                         |   |                 |              |
|             | SONY                         | 261 262                     |   |                 |              |
|             | TOSHIBA                      | 261 262                     |   |                 |              |
|             | WINBOOK                      | 261 262                     |   |                 |              |
|             | <b>AUX - Xbox Controls</b>   |                             |   |                 |              |
|             | MICROSOFT/XBOX               | 408 107                     |   |                 |              |
|             | <b>AUX-iPod Controls</b>     |                             |   |                 |              |
|             | APPLE/iPod                   | 401                         |   |                 |              |
|             | BOSE                         | 409                         |   |                 |              |
|             | KENSINGTON                   | 406                         |   |                 |              |

| 59              | COMMAND  | BUTTON LOCATION | COMMAND  | BUTTON LOCATION | 60            |
|-----------------|--|-----------------|--|-----------------|---------------|
| CABLE Locations | POWER/OFF                                      | OFF             | POWER/OFF                                      | OFF             | DVD Locations |
|                 | POWER/ON                                       | ON              | POWER/ON                                       | ON              |               |
|                 | VOL+   | VOL+            | SKIP+  | CH+             |               |
|                 | VOL-   | VOL-            | SKIP-  | CH-             |               |
|                 | MUTE   | MUTE            | EJECT  | PREV CH         |               |
|                 | CH+  | CH+             | MENU   | MENU            |               |
|                 | CH-  | CH-             | PROGRAM  | GUIDE           |               |
|                 | LAST   | PREV CH         | DISPLAY  | INFO            |               |
|                 | BYPASS   | TV/VCR          | CLEAR  | EXIT            |               |
|                 | MENU   | MENU            | UP   | UP              |               |
|                 | GUIDE  | GUIDE           | DOWN   | DOWN            |               |
|                 | INFO   | INFO            | SELECT   | SELECT          |               |
|                 | EXIT   | EXIT            | LEFT   | LEFT            |               |
|                 | UP   | UP              | RIGHT  | RIGHT           |               |
|                 | DOWN   | DOWN            | SCAN- / REW                                    | REW             |               |
|                 | SELECT   | SELECT          | SCAN+ / FF                                     | FF              |               |
|                 | LEFT   | LEFT            | STOP   | STOP/REC        |               |
|                 | RIGHT  | RIGHT           | PLAY   | PLAY            |               |
|                 | REW  | REW             | PAUSE  | PAUSE           |               |
|                 | FF   | FF              | 1  | 1 / SLEEP       |               |
| STOP            | STOP/REC                                       | 2               | 2 / 6.7 CH                                     |                 |               |
| PLAY            | PLAY   | 3               | 3 / TEST                                       |                 |               |
| PAUSE           | PAUSE  | 4               | 4 / THX  |                 |               |
| 1               | 1 / SLEEP                                      | 5               | 5 / DD   |                 |               |
| 2               | 2 / 6.7 CH                                     | 6               | 6 / DTS  |                 |               |
| 3               | 3 / TEST                                       | 7               | 7 / LOGIC                                      |                 |               |
| 4               | 4 / THX  | 8               | 8 / ST   |                 |               |
| 5               | 5 / DD   | 9               | 9 / SURR                                       |                 |               |
| 6               | 6 / DTS  | 0               | 0 / TAPE 2                                     |                 |               |
| 7               | 7 / LOGIC                                      | 10              | +10 / VCR 4                                    |                 |               |
| 8               | 8 / ST   | ENTER           | ENT / PH                                       |                 |               |
| 9               | 9 / SURR                                       | REPEAT          | MODE+  |                 |               |
| 0               | 0 / TAPE 2                                     | A/B REPEAT      | SUB+   |                 |               |
| 10              | +10 / VCR 4                                    | RANDOM          | CENTER+  |                 |               |
| ENTER/MUSIC     | ENT / PH                                       | RETURN          | REAR+  |                 |               |
| FAV             | MODE+  | TITLE           | MODE-  |                 |               |
| DAY+            | SUB+   | TIME            | SUB-   |                 |               |
| PAGE+           | CENTER+  | MEMO            | CENTER-  |                 |               |
| HELP            | REAR+  | AUDIO           | REAR-  |                 |               |
| LOCK/PPV        | MODE-  | STEP+           | Press SHIFT first, then press CH+ button.      |                 |               |
| DAY-            | SUB-   | STEP-           | Press SHIFT first, then press CH- button.      |                 |               |
| PAGE-           | CENTER-  | TOP MENU        | Press SHIFT first, then press MENU button.     |                 |               |
| SETTINGS        | REAR-  | SETUP           | Press SHIFT first, then press GUIDE button.    |                 |               |
| RECORD          | Press SHIFT first, then press STOP/REC button. | SEARCH          | Press SHIFT first, then press INFO button.     |                 |               |
| A               | Press SHIFT first, then press 1/SLEEP button.  | SLOW-           | Press SHIFT first, then press REW button.      |                 |               |
| B               | Press SHIFT first, then press 2/6.7CH button.  | SLOW+           | Press SHIFT first, then press FF button.       |                 |               |
| C               | Press SHIFT first, then press 3/TEST button.   | REC             | Press SHIFT first, then press STOP/REC button. |                 |               |
|                 |  | ANGLE           | Press SHIFT first, then press 1/SLEEP button.  |                 |               |
|                 |  | SUB ON/OFF      | Press SHIFT first, then press 2/6.7CH button.  |                 |               |
|                 |  | SUBTITLE        | Press SHIFT first, then press 3/TEST button.   |                 |               |
|                 |  | PICTURE         | Press SHIFT first, then press 4/THX button.    |                 |               |
|                 |  | SURR            | Press SHIFT first, then press 5/DD button.     |                 |               |
|                 |  | ZOOM            | Press SHIFT first, then press 6/DTS button.    |                 |               |

|               | COMMAND  | BUTTON LOCATION | COMMAND                                      | BUTTON LOCATION |                 |
|---------------|--|-----------------|--|-----------------|-----------------|
| VCR Locations | POWER/OFF                                      | OFF             | POWER/OFF                                    | OFF             | AUDIO Locations |
|               | POWER/ON                                       | ON              | POWER/ON                                     | ON              |                 |
|               | VOL+   | VOL+            | VOL+   | VOL+            |                 |
|               | VOL-   | VOL-            | VOL-   | VOL-            |                 |
|               | MUTE   | MUTE            | MUTE   | MUTE            |                 |
|               | CH+  | CH+             | PRESET+                                      | CH+             |                 |
|               | CH-  | CH-             | PRESET-                                      | CH-             |                 |
|               | PREV CH  | PREV CH         | SCAN   | PREV CH         |                 |
|               | VCR/TV   | TV/VCR          | BAND,FM/AM                                   | TV/VCR          |                 |
|               | MENU   | MENU            | MODE   | MENU            |                 |
|               | GUIDE  | GUIDE           | DISPLAY                                      | GUIDE           |                 |
|               | DISPLAY  | INFO            | OSD  | INFO            |                 |
|               | CANCEL   | EXIT            | CLEAR  | EXIT            |                 |
|               | UP   | UP              | UP   | UP              |                 |
|               | DOWN   | DOWN            | DOWN   | DOWN            |                 |
|               | SELECT   | SELECT          | SELECT                                       | SELECT          |                 |
|               | LEFT   | LEFT            | LEFT   | LEFT            |                 |
| RIGHT         | RIGHT  | RIGHT           | RIGHT  |                 |                 |
| REW           | REW  | SCAN- / REW     | REW  |                 |                 |
| FF            | FF   | SCAN+ / FF      | FF   |                 |                 |
| STOP          | STOP/REC                                       | STOP            | STOP/REC                                     |                 |                 |
| PLAY          | PLAY   | PLAY            | PLAY   |                 |                 |
| PAUSE         | PAUSE  | PAUSE           | PAUSE  |                 |                 |
| 1             | 1 / SLEEP                                      | 1               | 1 / SLEEP                                    |                 |                 |
| 2             | 2 / 6.7 CH                                     | 2               | 2 / 6.7 CH                                   |                 |                 |
| 3             | 3 / TEST                                       | 3               | 3 / TEST                                     |                 |                 |
| 4             | 4 / THX  | 4               | 4 / THX                                      |                 |                 |
| 5             | 5 / DD   | 5               | 5 / DD                                       |                 |                 |
| 6             | 6 / DTS  | 6               | 6 / DTS                                      |                 |                 |
| 7             | 7 / LOGIC                                      | 7               | 7 / LOGIC                                    |                 |                 |
| 8             | 8 / ST   | 8               | 8 / ST                                       |                 |                 |
| 9             | 9 / SURR                                       | 9               | 9 / SURR                                     |                 |                 |
| 0             | 0 / TAPE 2                                     | 0               | 0 / TAPE 2                                   |                 |                 |
| 10            | +10 / VCR 4                                    | 10              | +10 / VCR 4                                  |                 |                 |
| SLOW          | MODE+  | ENTER           | ENT / PH                                     |                 |                 |
| SLOW+         | SUB+   | MODE+           | MODE+  |                 |                 |
| TRK+          | CENTER+  | SUB+            | SUB+   |                 |                 |
| PROGRAM       | REAR+  | CENTER+         | CENTER+                                      |                 |                 |
| AUTO TRK      | MODE-  | REAR+           | REAR+  |                 |                 |
| SLOW-         | SUB-   | MODE-           | MODE-  |                 |                 |
| TRK-          | CENTER-  | SUB-            | SUB-   |                 |                 |
| RESET         | REAR-  | CENTER-         | CENTER-                                      |                 |                 |
| INPUT         | Press SHIFT first, then press TV/VCR button.   | REAR-           | REAR-  |                 |                 |
| RECORD        | Press SHIFT first, then press STOP/REC button. | TUNER Input     | Press SHIFT first, then press AUD button.    |                 |                 |
| X2 PLAY       | Press SHIFT first, then press PLAY button.     | CD Input        | Press SHIFT first, then press CD button.     |                 |                 |
| EJECT         | Press SHIFT first, then press PAUSE button.    | DVD Input       | Press SHIFT first, then press DVD button.    |                 |                 |
| SLEEP/TIMER   | Press SHIFT first, then press 1/SLEEP button.  | AUX Input       | Press SHIFT first, then press AUX button.    |                 |                 |
| CLOCK/COUNT   | Press SHIFT first, then press 2/6.7CH button.  | Video 3 Input   | Press SHIFT first, then press SAT button.    |                 |                 |
| COUNT RESET   | Press SHIFT first, then press 3/TEST button.   | Video 2 Input   | Press SHIFT first, then press TV button.     |                 |                 |
| AUTO CH       | Press SHIFT first, then press 4/THX button.    | Video 1 Input   | Press SHIFT first, then press VCR button.    |                 |                 |
| F.ADV         | Press SHIFT first, then press 5/DD button.     | TAPE Input      | Press SHIFT first, then press CBL button.    |                 |                 |
| VCR PLUS      | Press SHIFT first, then press 6/DTS button.    | HALL            | Press SHIFT first, then press MENU button.   |                 |                 |
| INDEX         | Press SHIFT first, then press 7/LOGIC button.  | THEATER         | Press SHIFT first, then press GUIDE button.  |                 |                 |
| ADD           | Press SHIFT first, then press 8/ST button.     | CATHEDRAL       | Press SHIFT first, then press INFO button.   |                 |                 |
| DELETE        | Press SHIFT first, then press 9/SURR button.   | PARTY           | Press SHIFT first, then press EXIT button.   |                 |                 |
| TAPE SPEED    | Press SHIFT first, then press 0/TAPE2 button.  | NIGHT CLUB      | Press SHIFT first, then press UP button.     |                 |                 |
|               |  | CHURCH          | Press SHIFT first, then press DOWN button.   |                 |                 |
|               |  | JAZZ            | Press SHIFT first, then press SELECT button. |                 |                 |
|               |  | DISCO           | Press SHIFT first, then press LEFT button.   |                 |                 |
|               |  | OPERA/ARENA     | Press SHIFT first, then press RIGHT button.  |                 |                 |







## Frequently Asked Questions

### Why does the display change whenever you press the buttons at the top of the remote?

The RF10 is actually eight remote controls in one. The LCD display shows you which of your components it is currently set to control. When you press one of the eight COMPONENT buttons (those labeled AUDIO, CD, DVD, etc.), the RF10 changes the functions of all of other buttons to control that component.

### Why does the display flash at me sometimes?

The RF10 has an extra "hidden" command (usually a power user or hobbyist feature) on some of your buttons. This command is issued instead of the normal command if you press the SHIFT button first. Once you have pressed the SHIFT button, the display will flash for ten seconds. If you press it by accident, you can stop the SHIFT flashing by pressing the SHIFT button or the LIGHT button.

### Can I program the RF10 on a computer?

No, the RF10 is only programmed by the methods explained in this manual and the Quick Setup DVD Guide.

### What is a "macro" button?

A "macro" is a button on the RF10 that you setup to make a lot of things happen when you press it. For example, to watch a DVD in most home theaters requires several remote controls and many button presses (power up the TV, power up the surround sound, power up the DVD player, set the TV to the correct video input, set the surround sound to the correct audio input and finally; press play on the DVD player remote control).

Instead of pressing all of those buttons one at a time, the RF10 enables you to setup one button that does all those steps automatically with one press. For more information on how and why you should setup macro buttons, watch the Quick Setup DVD Program Guide or refer to pages 19 - 20 in this Manual.

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

No. The RF10 stores all of your settings in non-volatile FLASH memory. You could remove the batteries for months, replace them at your convenience, and the RF10 would still remember your settings.

### Who can I call for more answers?

The Universal Remote Control Technical Support and Customer Service staff are ready to answer any questions you might have.

Call us at 1-914-835-4484  
Monday - Friday, 9AM to 6PM (EST)

## Warranty

Universal Remote Control's Mastercontrol™ RF10 is covered against any manufacturers defects or workmanship for a period of one year from the date of purchase if purchased from an authorized Universal Remote Control dealer. Units purchased from online auction sites or other unauthorized resellers have no warranty. This warranty does not cover the following items:

- Damage from misuse, neglect, or acts of nature
- Products that have been modified or incorporated into other products
- Products purchased more than 12 months ago
- Units purchased from unauthorized dealers or companies

## Specifications

**Learning Capability** - 704 IR commands at standard frequencies (15kHz to 100kHz)

**Macro Capability** - 10 Macros of up to 50 steps each

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

**RF Range** (radio frequency): 50 to 100 feet, depending upon the environment

**RF Frequency:** 418MHz

**Weight:** 7.1 oz. (with batteries)

**Size:** 8.5" x 2.5" x 1"

**Batteries:** Four AAA Alkaline batteries included

**LCD Size:** 1.25" x 0.5"

# RF10

MasterControl™

## OWNER'S MANUAL

simply powerful™



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