

**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.

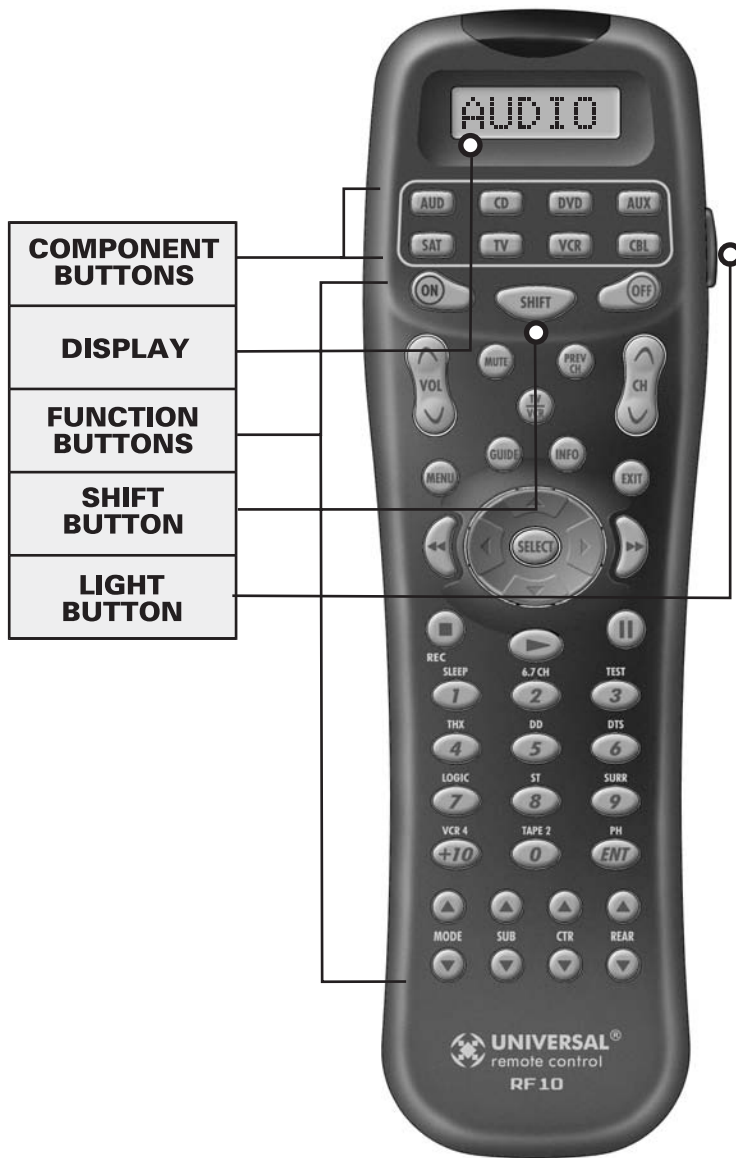


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MASTERCONTROL™ RF10 Owner's Manual  
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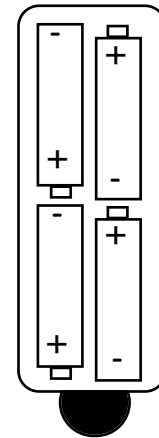
## Getting Started-Overview

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.

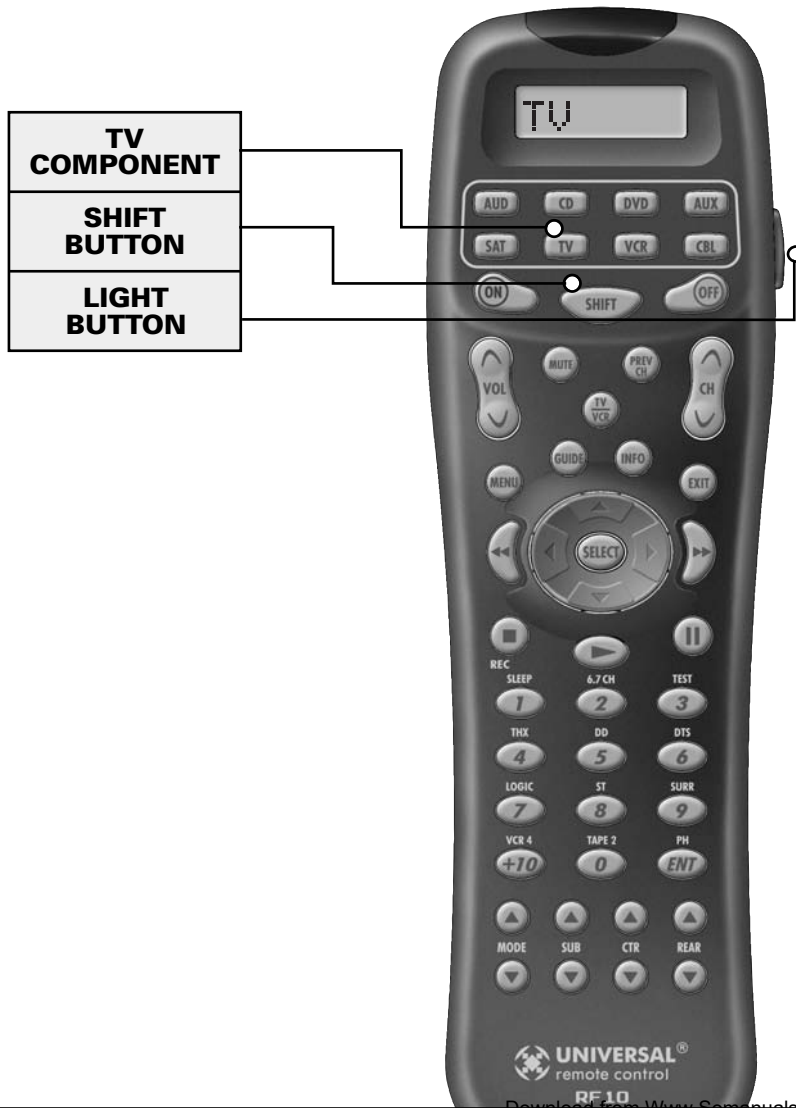
## Battery Installation

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.

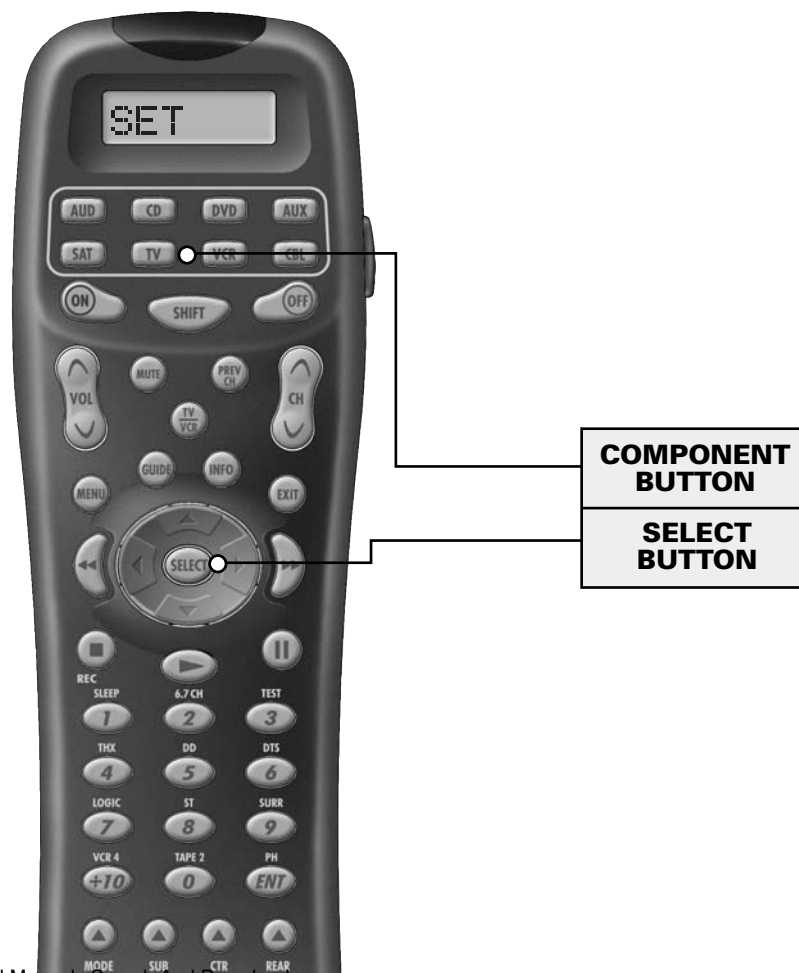
### STEP 2:

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]

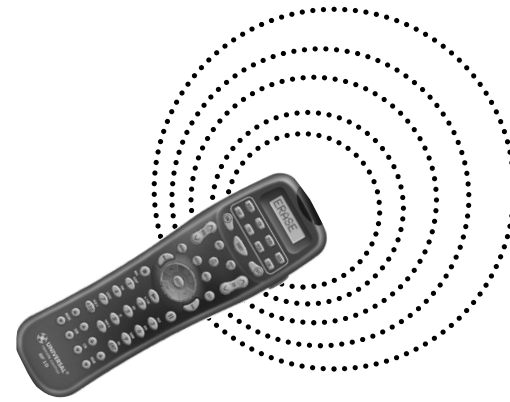
Of all the fabulous RF10 features, this is probably the most exciting. When used in combination with the optional PowerBlaster™, the RF10 becomes an amazing remote control powerhouse that sends multi-directional RF (Radio Frequency) signals that pass through walls, doors and floors – both indoors and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

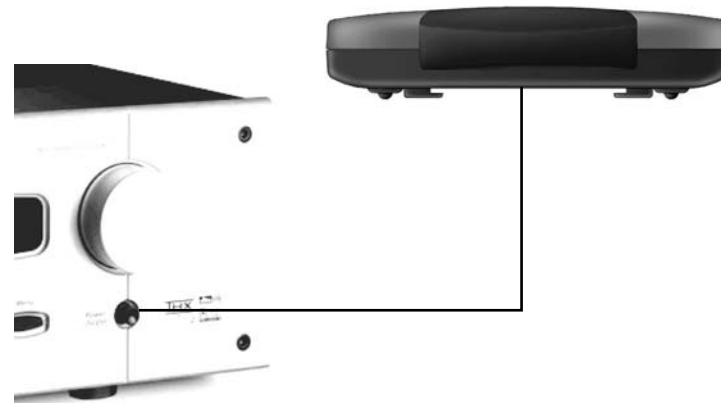
**NOTE:** The RF10's radio signals will not control Components directly. You must have a PowerBlaster™ to receive the RF10's radio signals. Components that came with "no pointing" radio remote controls cannot be operated by the RF10 unless the Component can be switched to standard IR (Infrared Control) 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	028 048 043 155 005 197 004 047 050 051 076 096 143 151 153 154
EPSON	324
ESA	323
FISHER	007 057
FUJITSU	198 246 346
FUNAI	028 043
FUTURETECH	043
GATEWAY	242 268
GE	160 144 165 073 197 008 009 034 056 074 130 155 161 004 091 157 183
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	164 059 197 003 060 061 004 063 064 127 022 160 094 239 226 273
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

TV	BRAND	CODE NUMBERS	BRAND	CODE NUMBERS
	SUPRE MACY	002	ABC	004 103 003 039 042 046 053
	SVA	328	ADELPHIA	043 074
	SYLVANIA	197 003 059 060 063 064 164 044 160 127	ADVANCED NEWHOUSE	043
	SYNTAX OLEVIA	376	ALTRIO	043
	TANDY	081	AMERICAST	099
	TATUNG	056 062	ARCHER	005 007 014
	TECHNICS	034 080	ARMSTONG	074
	TECHWOOD	004	AT&T BROADBAND	074
	TEKNIKA	002 003 004 024 028 043 072 101 143	ATLANTIC BROADBAND	043 074
	TELEFUNKEN	037 046 086 087	BELL SOUTH	099
	TELERENT	072	BLUE RIDGE	043 074
	TERA	172	BRESNAN	074
	TMK	004	BRIGHT HOUSE	043 110
	TOSHIBA	015 138 030 007 040 062 101 325	BUCKEYE COMM	074
	TOTEVISION	143	CABLEVISION	043 074 108
	UNIVERSAL	008 009	CENTURION	092
	VIDEO CONCEPTS	146	CENTURY	007
	VIDIKRON	174 184 188 192 340	CHARTER	043 074
	VIDTECH	004	CITIZEN	007
	VIZIO	386 387	COGECO	074
	VIEWSONIC	242	COMBANO	080 081
	WARDS	004 008 009 019 028 060 061 063 064 072 074 143 164 034	COMCAST	043 074 110
	WESTING HOUSE	076 280	COMSAT	074
	WINBOOK	339	COX DIGITAL	043 074
	YAMAHA	197 004	DIGICABLE	101
	YORK	004	EAGLE	020 030 040
	YUPITERU	043	EASTERN	057 066
	ZENITH	073 072 095 103 157 183 243 284	ECHOSTAR	106
	ZONDA	112	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

## 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

45	BRAND	CODE NUMBERS	BRAND	CODE NUMBERS	46	
DVD	VINC YAMAHA ZENITH	161 042 089 166 195 197 057 074 091	THETA DIGITAL TOSHIBA YAMAHA	032 152 106 043 129	DVD	
	<b>DVD-TV/DVD Combos</b>					
	AIWA	146				
	FUNAI	143				
	SAMSUNG	165				
	SYLVANIA	143				
	SYMPHONIC	143				
	TOSHIBA	130				
	<b>DVD-TV/DVD/VCR Combos</b>					
	MAGNAVOX	143				
	PANASONIC	144				
	SYLVANIA	143				
	TOSHIBA	164				
	<b>DVD-DVD/VCR Combos</b>					
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)					
<b>DVD-DVD Recorder</b>						
GATEWAY	175					
GO VIDEO	220 221 222					
ILO	268					
KISS	279					
LITEON	265					
PANASONIC	139					
SENSORY SCIENCE	222					
SONY	191					
TOSHIBA	188					
<b>DVD-LD</b>						
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					



## 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	006 029 035 017 025 027 031 034 036 037 046 101 129 131 138 153 162 116
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
HAFLEER	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

CODE TABLES

AUDIO

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
<b>AUDIO-XM Radios &amp; Tuners</b>	
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
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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.		



63	COMMAND	BUTTON LOCATION	COMMAND	BUTTON LOCATION	64
AUDIO Locations	REC	Press SHIFT first, then press STOP/REC button.	POWER/OFF	OFF	SAT Locations
	SLEEP	Press SHIFT first, then press 1/SLEEP button.	POWER/ON	ON	
	5/6/7 CH	Press SHIFT first, then press 2/6.7CH button.	VOL+	VOL+	
	TEST	Press SHIFT first, then press 3/TEST button.	VOL-	VOL-	
	THX	Press SHIFT first, then press 4/THX button.	MUTE	MUTE	
	DOLBY DIGITAL	Press SHIFT first, then press 5/DD button.	CH+	CH+	
	DTS	Press SHIFT first, then press 6/DTS button.	CH-	CH-	
	LOGIC 7	Press SHIFT first, then press 7/LOGIC button.	PREV CH	PREV CH	
	STEREO	Press SHIFT first, then press 8/ST button.	INPUT/ANT	TV/VCR	
	SURR	Press SHIFT first, then press 9/SURR button.	MENU	MENU	
	TAPE2 Input	Press SHIFT first, then press 0/TAPE2 button.	GUIDE	GUIDE	
	Video 4 Input	Press SHIFT first, then press +10/VCR4 button.	INFO	INFO	
	PHONO Input	Press SHIFT first, then press ENT/PH button.	EXIT	EXIT	
	BASS+	Press SHIFT first, then press MODE+ button.	UP	UP	
	TREBLE+	Press SHIFT first, then press SUB+ button.	DOWN	DOWN	
	SURR+	Press SHIFT first, then press CENTER+ button.	SELECT	SELECT	
	DELAY+	Press SHIFT first, then press REAR+ button.	LEFT	LEFT	
	BASS-	Press SHIFT first, then press MODE- button.	RIGHT	RIGHT	
	TREBLE-	Press SHIFT first, then press SUB- button.	REW	REW	
SURR-	Press SHIFT first, then press CENTER- button.	FF	FF		
DELAY-	Press SHIFT first, then press REAR- button.	STOP	STOP/REC		
		PLAY	PLAY		
		PAUSE	PAUSE		
		1	1 / SLEEP		
		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		
		FAV	MODE+		
		SEARCH	SUB+		
		FETCH	CENTER+		
		VIDEO	REAR+		
		ALT AUDIO	MODE-		
		PROGRAM	SUB-		
		HELP	CENTER-		
		INTERACTIVE	REAR-		
		RECORD	Press SHIFT first, then press STOP/REC button.		
COMMAND					COMMAND

65	COMMAND	BUTTON LOCATION	COMMAND	BUTTON LOCATION	66
CD Locations	POWER/OFF	OFF	POWER/OFF	OFF	AUX Locations
	POWER/ON	ON	POWER/ON	ON	
	TRACK+	CH+	VOL+	VOL+	
	TRACK-	CH-	VOL-	VOL-	
	EJECT	PREV CH	MUTE	MUTE	
	RANDOM	TV/VCR	(A)REW	REW	
	EDIT	MENU	(A)FF	FF	
	PROGRAM	GUIDE	(A)STOP	STOP/REC	
	DISPLAY	INFO	(A)PLAY	PLAY	
	CLEAR	EXIT	(A)PAUSE	PAUSE	
	UP	UP	1	1 / SLEEP	
	DOWN	DOWN	2	2 / 6.7 CH	
	SELECT	SELECT	3	3 / TEST	
	LEFT	LEFT	4	4 / THX	
	RIGHT	RIGHT	5	5 / DD	
	SCAN- / REW	REW	6	6 / DTS	
	SCAN+ / FF	FF	7	7 / LOGIC	
	STOP	STOP/REC	8	8 / ST	
	PLAY	PLAY	9	9 / SURR	
	PAUSE	PAUSE	0	0 / TAPE 2	
	1	1 / SLEEP	10	+10 / VCR 4	
	2	2 / 6.7 CH	ENTER	ENT / PH	
	3	3 / TEST	(B)FF	MODE+	
	4	4 / THX	(B)PLAY	SUB+	
	5	5 / DD	(B)PLAY BACK	CENTER+	
	6	6 / DTS	DECK A	REAR+	
	7	7 / LOGIC	(B)REW	MODE-	
	8	8 / ST	(B)STOP	SUB-	
	9	9 / SURR	(B)REC	CENTER-	
	0	0 / TAPE 2	DECK B	REAR-	
	10	+10 / VCR 4	(A)REC	Press SHIFT first, then press STOP/REC button.	
	ENTER	ENT / PH	(A)PLAY BACK	Press SHIFT first, then press PLAY button.	
	DISC1	MODE+	DIRECTION A	Press SHIFT first, then press REAR+ button.	
DISC2	SUB+	DIRECTION B	Press SHIFT first, then press REAR- button.		
DISC3	CENTER+				
DISC SKIP+	REAR+				
DISC4	MODE-				
DISC5	SUB-				
DISC6	CENTER-				
DISC SKIP-	REAR-				
REPEAT	Press SHIFT first, then press 1/SLEEP button.				
INTRO	Press SHIFT first, then press 2/6.7CH button.				
DISC	Press SHIFT first, then press 3/TEST button.				
TIME	Press SHIFT first, then press 4/THX 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™



500 Mamaroneck Avenue  
Harrison, NY 10528  
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