

APPENDIX I
: USER'S MANUAL

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.



UNIVERSAL[®]
remote control

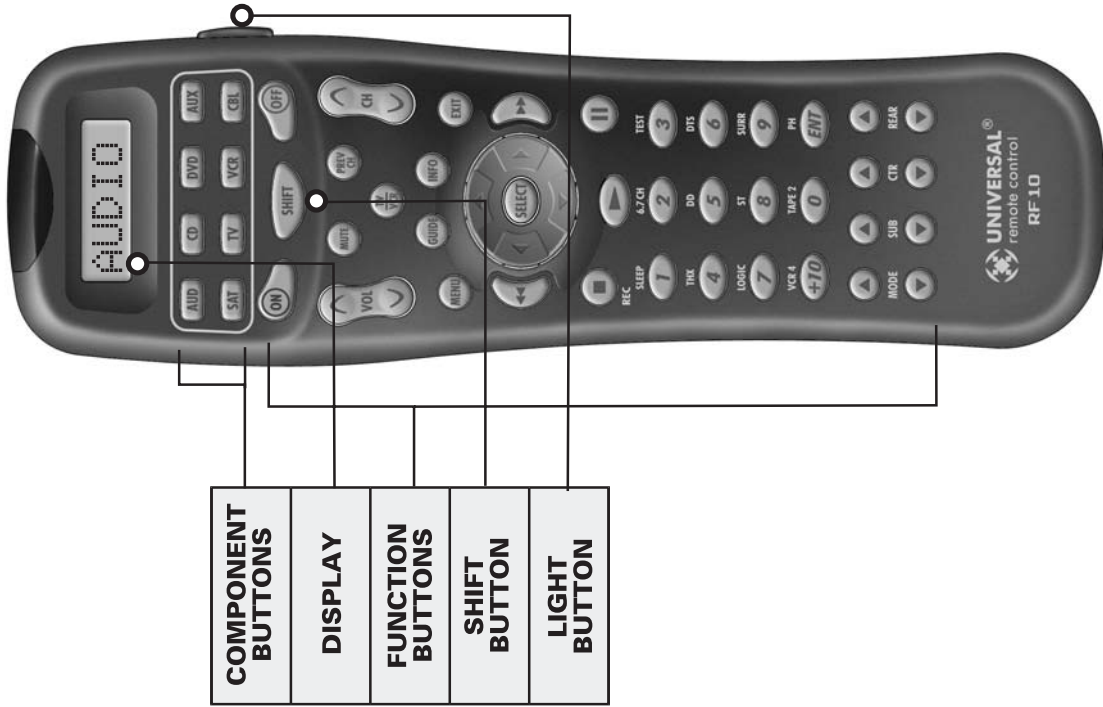
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MASTERCONTROL™ RF10 Owner's Manual
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Warning: Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

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

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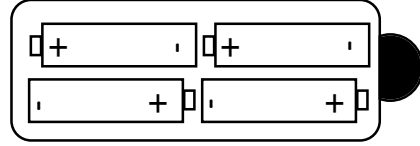
Getting Started-Overview

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.

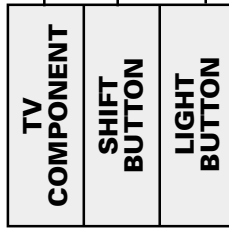
Battery Installation

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.

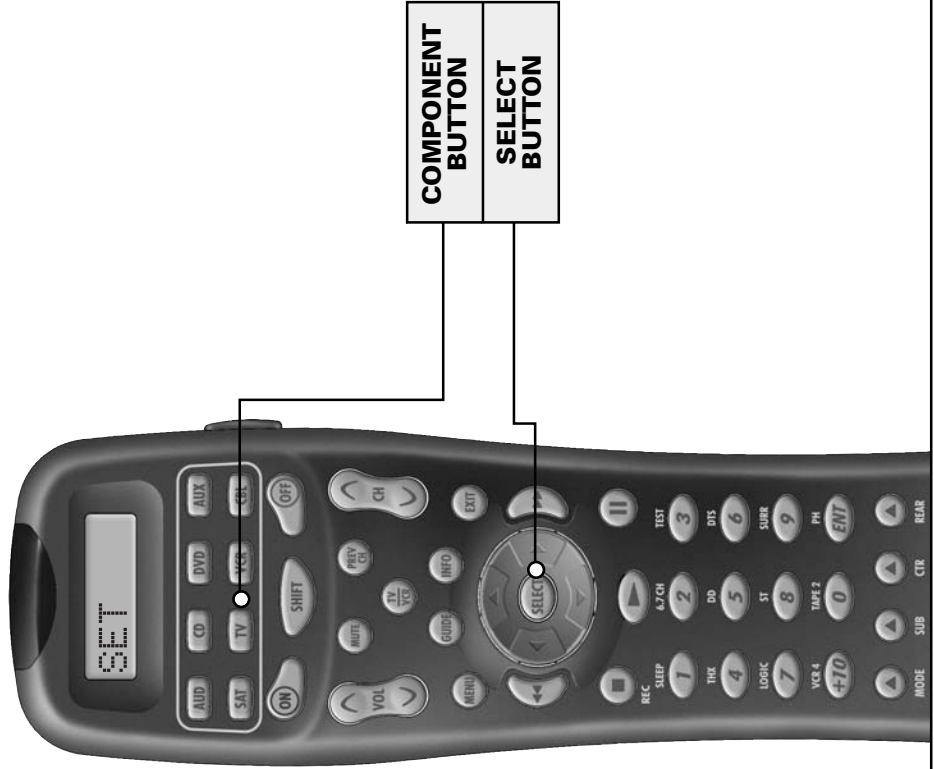
STEP 2:

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.

CODE DISPLAY
ON BUTTON
VOLUME BUTTON
STOP BUTTON
PLAY BUTTON



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:



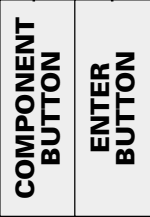
STEP 1:

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.



BASIC SETUP

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:

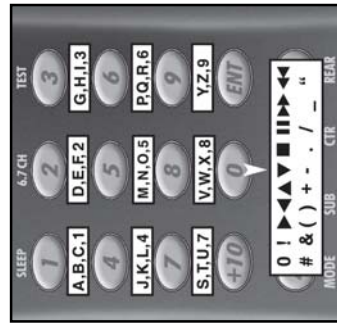
Press and hold both the COMPONENT button you want to rename and the MENU button at the same time for approximately 3 seconds, until the word "EDIT" is displayed on the LCD screen. This signals that you are now in EDIT mode.



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.

ADVANCED SETUP

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.

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 A 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.

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®, 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.



ADVANCED SETUP

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.

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.

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**

ERASING COMMANDS

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

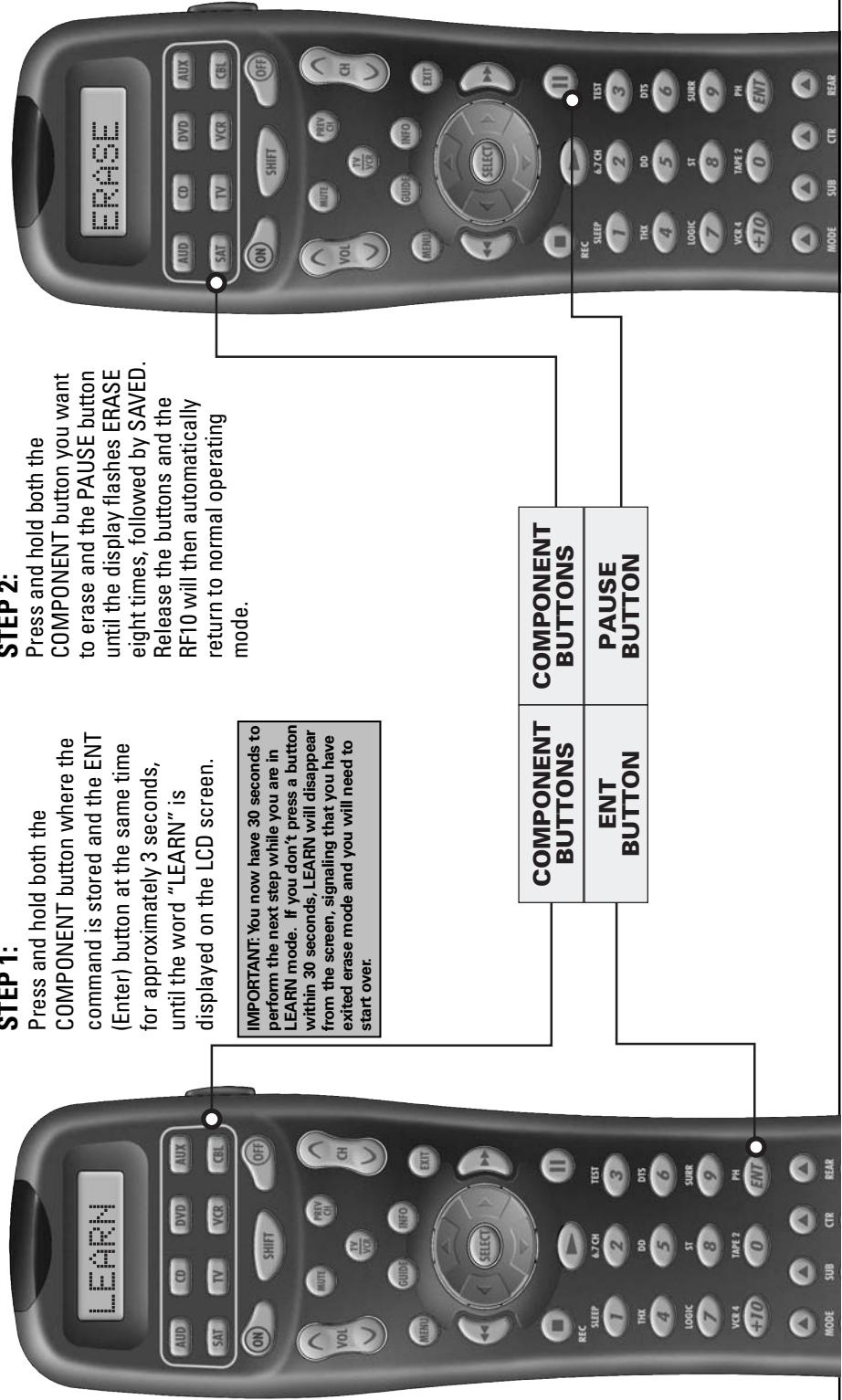
STEP 1:

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.



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**



ERASING COMMANDS

Re-setting RF10 to Original Factory Default Settings

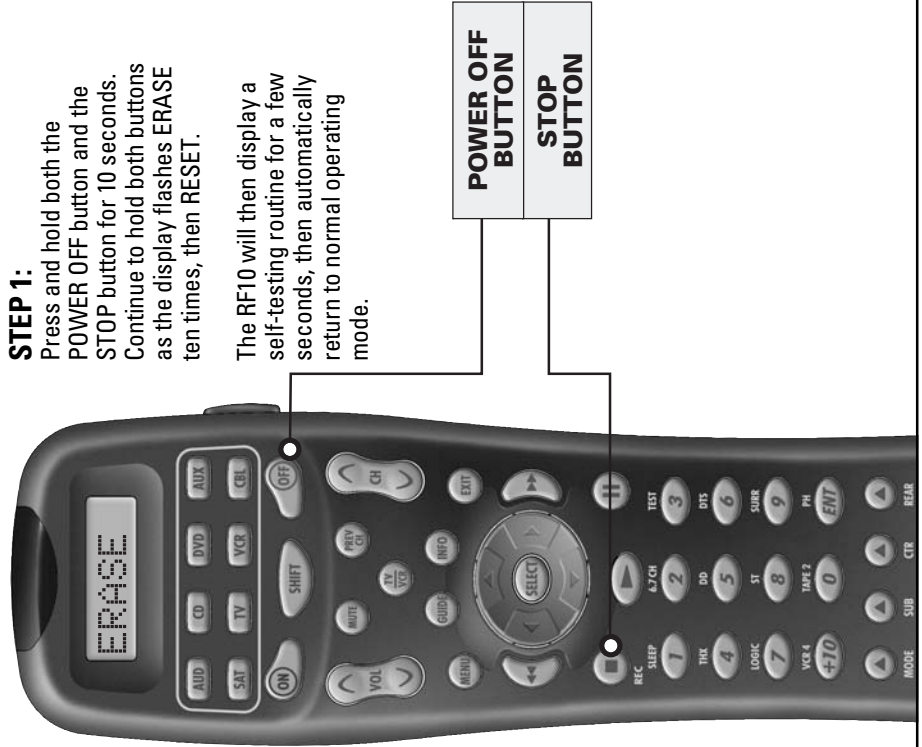
If you want to start with a clean slate, you can re-set the RF10 its original factory default settings by performing the following steps.

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]

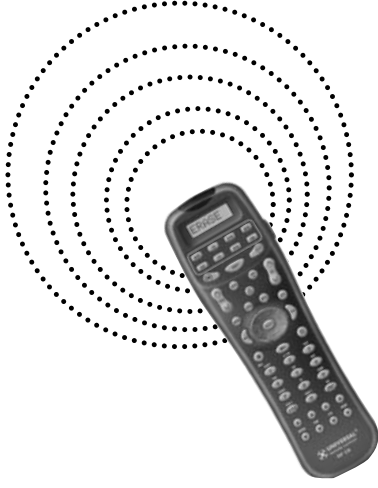
Of all the fabulous RF10 features, this is probably the most exciting. When used in combination with the optional PowerBlaster™, the RF10 becomes an amazing remote control powerhouse that sends multi-directional RF (Radio Frequency) signals that pass through walls, doors and floors – both indoors and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

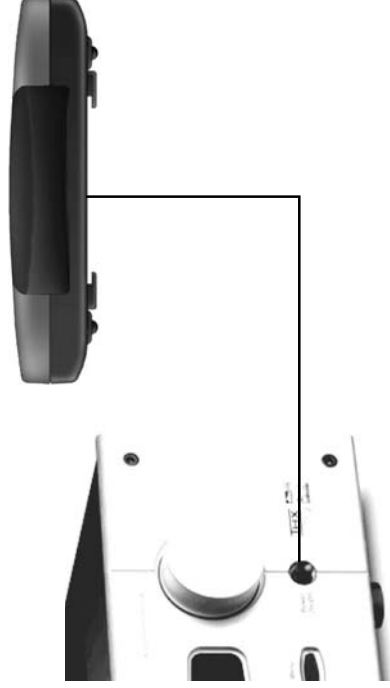
NOTE: The RF10's radio signals will not control Components directly. You must have a PowerBlaster™ to receive the RF10's radio signals. Components that came with "no pointing" radio remote controls cannot be operated by the RF10 unless the Component can be switched to standard IR (Infrared Control) via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

TV	TVs, Plasmas, Projectors and Monitors
CABLE	Cable TVs and Web TVs
DVD	DVD Players and TV/DVD Combos
VCR	VCRs and TV/VCR Combos
AUDIO	Amps, Preamps, A/V Receivers and XM Radios
SAT	Satellite Receivers, TiVo, Replay and other DVR's
CD	CD Players and CD Changers
AUX	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

ADMIRAL	072 081 161 160	KENWOOD	197 070
ADVENT	247	KLOSS	002 059
AKAI	197 146 248	KMC	143
A MARK	112 143	KTV	043 197 143 154
AMPRO	167 073 157 183	LG	113 116 102 004 106 112 119 127 143 243 284 363 365
AMSTRAD	052	LOGENET	072
ANAM	043 054 056 080 112 131	LOEWE	164
AOC	197 004 112 058	LOGIK	072
APEX DIGITAL	006 310	LUXMAN	004
AUDIOVOX	076 273	LXI	166 007 015 052 081 160 164
BARCO	233	MAGNAVOX	164 059 197 003 060 061 004 063 064 127 022 160 094 239
BLAUPUNKT	088	MARANTZ	226 273
BROKSONIC	238	MATSUI	197 164 184
CAIRN	201	MAXENT	164
CANDLE	197 002 003 004	MEMOREX	242
CAPEHART	058	METZ	007 072 004
CETRONIC	043	MGA	088
CITIZEN	197 002 003 004 043 101 103 143	MINERVA	197 004 024 028 042
CLASSIC	043	MITSUBISHI	088
CONCERTO	004	MTC	109 124 024 004 028 040 042 146 191
CONTEC	043 050 051	NAD	197 004 062 101
CORONADO	143	NEC	015 025
CRAIG	043 054	NEI	132 130 134 197 040 016 024 056 019 236 237 262 272
CROWN	043 143	NUVISION	043
CURTIS MATHES	197 101 004 143	ONKING	351
CXC	043	ONWA	043
DAEWOO	004 016 043 044 076 103 114 125 127 143	OPTOMA	265 270
DAYTRON	004 143	OPTONICA	019 081
DELL	319 320 321	ORION	096
DREAMVISION	235 345	PANASONIC	034 056 080 092 164 208
DWIN	177 257	PHILCO	197 003 059 060 064 164 004 024 056 063
DYNASTY	043	PHILIPS	164 005 093 038 197 003 004 059 127 184 206 239 259
DYNATECH	062	PIONEER	135 025 197 018 023 116 190 234 335
EIKI	187	POLAROID	138 268 328 353 354 356 388
ELECTROHOME	143 024 076 196	PORTLAND	004 143
EMERSON	028 048 043 155 005 197 004 047 050 051 076 096 143 151	PROSCAN	144 160 161 165 167
EPSON	153 154	PROTON	004 131 058 143 171 173 193
ESA	324	QUASAR	034 056 092
FISHER	323	RADIO SHACK	019 004 143 043 127
FUJITSU	007 057	RCA	160 165 065 156 144 161 197 004 024 056 152 023 074 333
FUNAI	198 246 346	REALISTIC	007 019 043 047
FUTURETECH	028 043	ROCTEC	186
GATEWAY	043	RUNCO	168 169 178 179 180 181 182 183 073 157 340
GE	242 268	SAMPO	197 058 004 202
GOLDSTAR	160 144 165 073 197 008 009 034 056 074 130 155 161 004	SAMSUNG	050 089 101 105 004 127 143 160 228 229 258
HALL MARK	091 157 183	SANYO	166 007 020 053 057 082 187
HANNSPREE	113 116 102 004 106 112 119 127 143	SCEPTRE	276
HITACHI	004	SCOTT	028 043 004 048 143
HP	381	SEARS	015 030 004 007 028 057 143 094 160 082 165 166
HYUNDAI	011 163 166 004 009 010 012 023 075 143 158 072	SELECO	189 200 205 227
INFINITY	316 327 378	SHARP	081 019 014 170 028 029 004 022 143 175 251
INFOCUS	337 338	SIEMENS	088
INISIGNIA	164	SIM2	189 200 205 227
JBL	230 330 333	SIGNATURE	072
JCPENNEY	350	SOLE	231 232
JENSEN	164	SONY	070 139 147 126 185 194 085 213 271 279
JVC	004 024 197 008 009 030 065 101 143 156 160	SOUNDDESIGN	028 004 003 043
KEC	038 034 070 083 145 199 210 240 241	SPECTRICON	112
	043	SSS	004 043

ADMIRAL	072 081 161 160	KENWOOD	197 070
ADVENT	247	KLOSS	002 059
AKAI	197 146 248	KMC	143
A MARK	112 143	KTV	043 197 143 154
AMPRO	167 073 157 183	LG	113 116 102 004 106 112 119 127 143 243 284 363 365
AMSTRAD	052	LOGENET	072
ANAM	043 054 056 080 112 131	LOEWE	164
AOC	197 004 112 058	LOGIK	072
APEX DIGITAL	006 310	LUXMAN	004
AUDIOVOX	076 273	LXI	166 007 015 052 081 160 164
BARCO	233	MAGNAVOX	164 059 197 003 060 061 004 063 064 127 022 160 094 239
BLAUPUNKT	088	MARANTZ	226 273
BROKSONIC	238	MATSUI	197 164 184
CAIRN	201	MAXENT	164
CANDLE	197 002 003 004	MEMOREX	242
CAPEHART	058	METZ	007 072 004
CETRONIC	043	MGA	088
CITIZEN	197 002 003 004 043 101 103 143	MINERVA	197 004 024 028 042
CLASSIC	043	MITSUBISHI	088
CONCERTO	004	MTC	109 124 024 004 028 040 042 146 191
CONTEC	043 050 051	NAD	197 004 062 101
CORONADO	143	NEC	015 025
CRAIG	043 054	NEI	132 130 134 197 040 016 024 056 019 236 237 262 272
CROWN	043 143	NUVISION	043
CURTIS MATHES	197 101 004 143	ONKING	351
CXC	043	ONWA	043
DAEWOO	004 016 043 044 076 103 114 125 127 143	OPTOMA	265 270
DAYTRON	004 143	OPTONICA	019 081
DELL	319 320 321	ORION	096
DREAMVISION	235 345	PANASONIC	034 056 080 092 164 208
DWIN	177 257	PHILCO	197 003 059 060 064 164 004 024 056 063
DYNASTY	043	PHILIPS	164 005 093 038 197 003 004 059 127 184 206 239 259
DYNATECH	062	PIONEER	135 025 197 018 023 116 190 234 335
EIKI	187	POLAROID	138 268 328 353 354 356 388
ELECTROHOME	143 024 076 196	PORTLAND	004 143
EMERSON	028 048 043 155 005 197 004 047 050 051 076 096 143 151	PROSCAN	144 160 161 165 167
EPSON	153 154	PROTON	004 131 058 143 171 173 193
ESA	324	QUASAR	034 056 092
FISHER	007 057	RADIO SHACK	019 004 143 043 127
FUJITSU	198 246 346	RCA	160 165 065 156 144 161 197 004 024 056 152 023 074 333
FUNAI	028 043	REALISTIC	007 019 043 047
FUTURETECH	043	ROCTEC	186
GATEWAY	242 268	RUNCO	168 169 178 179 180 181 182 183 073 157 340
GE	160 144 165 073 197 008 009 034 056 074 130 155 161 004	SAMPO	197 058 004 202
GOLDSTAR	091 157 183	SAMSUNG	050 089 101 105 004 127 143 160 228 229 258
HALL MARK	113 116 102 004 106 112 119 127 143	SANYO	166 007 020 053 057 082 187
HANNSPREE	004	SCEPTRE	276
HITACHI	381	SCOTT	028 043 004 048 143
HP	011 163 166 004 009 010 012 023 075 143 158 072	SEARS	015 030 004 007 028 057 143 094 160 082 165 166
HYUNDAI	316 327 378	SELECO	189 200 205 227
INFINITY	337 338	SHARP	081 019 014 170 028 029 004 022 143 175 251
INFOCUS	164	SIEMENS	088
INISIGNIA	230 330 333	SIM2	189 200 205 227
JBL	350	SIGNATURE	072
JCPENNEY	164	SOLE	231 232
JENSEN	004 024 197 008 009 030 065 101 143 156 160	SONY	070 139 147 126 185 194 085 213 271 279
JVC	038 034 070 083 145 199 210 240 241	SOUNDDESIGN	028 004 003 043
KEC	043	SPECTRICON	112
		SSS	004 043

TV

BRAND
 SUPRE MACY
 SVA
 SYLVANIA
 SYNTAX OLEVIA
 TANDY
 TATUNG
 TECHNICS
 TECHWOOD
 TEKNIKA
 TELEFUNKEN
 TELERENT
 TERA
 TMK
 TOSHIBA
 TOTEVISION
 UNIVERSAL
 VIDEO CONCEPTS
 VIDIKRON
 VIDTECH
 VIZIO
 VIEWSONIC
 WARDS
 WESTING HOUSE
 WINBOOK
 YAMAHA
 YORK
 YUPITERU
 ZENITH
 ZONDA

CODE NUMBERS
 002
 328
 197 003 059 060 063 064 164 044 160 127
 376
 081
 056 062
 034 080
 004
 002 003 004 024 028 043 072 101 143
 037 046 086 087
 072
 172
 004
 015 138 030 007 040 062 101 325
 143
 008 009
 146
 174 184 188 192 340
 004
 386 387
 242
 004 008 009 019 028 060 061 063 064 072 074 143 164 034
 076 280
 339
 197 004
 004
 043
 073 072 095 103 157 183 243 284
 112

BRAND
 ABC
 ADELPHIA
 ADVANCED NEWHOUSE
 ALTRIO
 AMERICAST
 ARCHER
 ARMSTONG
 AT&T BROADBAND
 ATLANTIC BROADBAND
 BELL SOUTH
 BLUE RIDGE
 BRESNAN
 BRIGHT HOUSE
 BUCKEYE COMM
 CABLEVISION
 CENTURION
 CENTURY
 CHARTER
 CITIZEN
 COGECO
 COMBANO
 COMCAST
 COMSAT
 COX DIGITAL
 DIGICABLE
 EAGLE
 EASTERN
 ECHOSTAR
 ELECTRICORD
 GEMINI
 GENERAL ELECTRIC
 GENERAL INSTRUMENT
 GNC
 GOLDEN CHANNEL
 HAMLIN
 HITACHI
 INSIGHT
 JERROLD
 MAGNAVOX
 MASSILLON
 MEDIA ONE
 MEDICOM
 MEMOREX
 MITSUBISHI
 MOTOROLA
 MOVIE TIME
 MOXI
 NCTC
 NSC
 OAK
 PACE
 PANASONIC
 PARAGON
 PHILIPS
 PIONEER
 PRUCER
 PULSAR
 RCA
 RCN
 RECOTON

CODE NUMBERS
 004 103 003 039 042 046 053
 043 074
 043
 099
 005 007 014
 074
 043 074
 099
 043 074
 074
 043 110
 074
 043 074 108
 092
 007
 043 074
 007
 074
 080 081
 043 074 110
 074
 043 074
 101
 020 030 040
 057 066
 106
 032
 008 054
 072
 074 103 104
 099
 030
 049 050 055
 103 055
 074
 074 004 103 002 003 008 009 010 069
 010 012 064 079 095 094
 074
 107
 074
 052
 102
 074 110 109 111
 028 032
 111
 074
 015 028 038 071
 031 037 053
 043 074
 044 047
 052
 006 012 013 020 085 095
 043 103 034 051 063 076 105
 059
 052
 047
 074
 098

BRAND
 CABLE/WEBTV

CODE NUMBERS

BRAND
 REGAL
 REGENCY
 RODGERS
 SAMSUNG
 SCIENTIFIC ATLANTA
 SEREN
 SERVICE ELECTRIC
 SHAW
 SIGECOM
 SONY
 SPRUCER
 STARCOM
 STARGATE
 SUSQUEHANNA
 TIME WARNER
 TOCOM
 TOSHIBA
 UNITED CABLE
 UNIVERSAL
 VIDEOTRON
 VIEWSTAR
 WIDE OPEN WEST
 ZENITH

049 050
 057
 043
 030
 043 011 003 041 042 045 046
 043
 074
 074
 043
 096 108
 047 078
 002 004 008 009
 008 030 097 104
 043 074
 043 074
 039 040 056
 052
 004 053
 005 007 014 032 035
 043
 012 015 018 086 087 088 089
 043 099
 052 060 093 100

CODE NUMBERS

BRAND

AIWA
 ALPINE
 APEX DIGITAL
 ARCAM
 CAMBRIDGE AUDIO
 CARY AUDIO DESIGN
 CLASSE
 COBY
 DENON
 FUNAI
 GATEWAT
 GE
 GOVIDEO
 HARMAN KARDON
 HITACHI
 ILO
 INTEGRA
 JVC
 KENWOOD
 KLH
 KISS
 KRELL
 LEXICON
 LG
 LITEON
 MAGNAVOX
 MALATA
 MARANTZ
 MERIDIAN
 MITSUBISHI
 MYRYAD
 NAD
 NAKAMICHI
 ONKYO
 OPPO
 PANASONIC
 PHILIPS
 PIONEER
 POLAROID
 PRIMARE
 PROCEED
 PROSCAN
 RCA
 RJTECH
 ROTEL
 SAMSUNG
 SANSUI
 SANYO
 SENSORY SCIENCE
 SHARP
 SONY
 SYLVANIA
 SYMPHONIC
 TAG MCLAREN
 TATUNG
 TEAC
 THOMPSON
 THULE
 TOSHIBA
 VENTURER

146
 098
 087 111 115 112 116
 122
 215
 174
 167
 258
 007 080 173
 143
 175
 026 027
 137 218 220 221 222
 084 140
 101
 268
 142 180
 012
 151
 135
 179 279
 104
 148
 091 057 074
 264 265
 066 096
 267
 083 095
 153
 017
 102 134
 088 155
 103
 076 035 180
 266
 021 042 138 139 144 150
 066 083 095 105 166
 023 092 099 107 108 131
 233 234 237
 193 194
 086
 026 027
 026 027
 269
 204
 056 070 119 165 170 137 159
 154
 147
 222 223
 094
 033 118 145 126 191
 143
 143
 156
 102
 270
 026 027
 177
 035 034 130 141 164 188
 149

CODE NUMBERS

BRAND	CODE NUMBERS	BRAND	CODE NUMBERS
VINC	161	THETA DIGITAL	032
YAMAHA	042 089 166 195 197	TOSHIBA	152 106
ZENITH	057 074 091	YAMAHA	043 129
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		

BRAND	CODE NUMBERS	BRAND	CODE NUMBERS
AIWA	034 161	RCA	107 109 144 147 158 041 145 013 020 140 034 040
AKAI	016 146 043 046 124 125 142	REALISTIC	003 008 010 014 031 034 040 053 054 101
AMPRO	072	RICO	058
ANAM	031	RUNCO	148
AUDIO DYNAMICS	012 023 039 043	SALORA	014
BROOKSONIC	035 037 129	SAMSUNG	102 104 113 115 112 120 032 040 066 107 109 122 125
CANON	028 031	SANSUI	022 043 048 135
CAPEHART	108	SANYO	003 010 007 014 134 102
CRAIG	003 040 135	SCOTT	017 037 112 129 131
CURTIS MATHES	031 041	SEARS	003 008 010 014 081 013 101 009 017 073 112
DAEWOO	111 116 117 119 005 007 010 065 108 110 112	SHARP	149 054 031 159 165
DAYTRON	108	SHINTOM	024
DBX	012 023 039 043	SIGNATURE	034
DYNATECH	034 053	SONY	056 057 058 077 052 003 078 076 031 149 154
ELECTROHOME	059	SOUNDESIGN	034
EMERSON	006 029 035 017 025 027 031 034 036 037 046 101 129 131	STS	013
FISHER	138 153 162 116	SYLVANIA	031 034 059 067
FUNAI	003 010 008 009	SYMPHONIC	034
GE	034	TANDY	010 034
GO VIDEO	031 072 147 063 107 109 144	TATUNG	039 043
GOLDSTAR	132 136 155 040 115	TEAC	034 039 043
HARMAN KARDON	101 106 114 013 020 012 123	TECHNICS	031 070
HITACHI	012 045	TEKNIKA	031 019 034 101
INSTANTREPLAY	004 026 150 018 034 043 063 137 160 013	THOMAS	034
JCL	031	TMK	006
JCPENNEY	012 013 015 040 066 101	TOSHIBA	112 131 079 008 059 047 082 013 042 081
JENSEN	043	TOTEVISION	040 101
JVC	048 043 130 150 055 060 012 031 050 152 166	UNITECH	040
KENWOOD	014 048 034 047	VECTOR RESEARCH	012
LG	101 106 114 013 020 012 123	VICTOR	048
LLOYD	034	VIDEO CONCEPTS	012 034 046 141
LXI	034 003 009 017 106	VIDEOSONIC	040
MAGIN	040	WARDS	003 013 017 024 031 034 040 053 054 131
MAGNAVOX	067 031 034 068 041 156 164	YAMAHA	012 034 039 043
MARANTZ	067 069 012 031 156	ZENITH	072 080 056 048 101 034 058
MARTA	101		
MATSUI	027 030	VCR-TV/VCR Combos	
MEI	031	DAEWOO	005 117
MEMOREX	101 003 010 014 031 034 053 072 102 134 139	EMERSON	153
MGA	045 046 059	FUNAI	034
MINOLTA	013 020	GOLDSTAR	101 123
MINISUBISHI	059 061 151 013 020 045 046 051 142 049 168	HITACHI	034
MTC	034 040	JCPENNEY	101
MULTITECH	024 034	LG	101 123
NEC	012 023 039 043 048	LLOYD	034
NORDMENDE	043	MAGNAVOX	034 067
OPTONICA	053 054	MEMOREX	101
ORION	025	PANASONIC	070 167
PANASONIC	066 070 145 083 133 140 157 163 074 167	PHILIPS	034 067
PENTAX	013 020 031 063	RADIO SHACK	123
PHILCO	031 034 067	RCA	034
PHILIPS	031 067 034 101 054 071 156	SEARS	101
PILOT	101	SONY	057 154
PIONEER	021 013 048	SYLVANIA	067
PORTLAND	108	SYMPHONIC	034
PULSAR	072	THOMAS	034
QUARTZ	002 014	ZENITH	034
QUASAR	066 145 075		
RADIO SHACK	123		

BRAND	CODE NUMBERS	BRAND	CODE NUMBERS
VCR			

BRAND

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
AWA	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
EAD	350 400 401 402 444 564	RCA	010 048 117 156 067 288
EIGER	466	REALISTIC	019 056 073 075 095
ELAN	149	REQUEST	351
ENLIGHTENED AUDIO	057 290	REVOX	162
ESCIENT	089 098	ROTEL	074 083 085
FANFARE	368 381 451 452 453 454	RUSSOUND	379 391 392
FISHER	352	SAMSUNG	016 571
FLEXTRONICS	047 214 180 182 297	SANSUI	040 048 110 119 065 228
FOSGATE	378	SANYO	047 059
FOSGATE AUDIONICS	062 231	SCOTT	019 091
GE	342	SEARS	076
GOLDSTAR	008	SHARP	026 094 131 175 181
HAFLER	174	SHERWOOD	024 038 055 102 103 105 106 051 030 447
HARMAN KARDON	231 233 254 153 154 118 121 227 277 317 318 365	SONY	018 093 223 247 248 160 166 015 101 184 218 271 353 369
HITACHI	020	SOUNDESIGN	372 380 417 421
IMERGE	371	SOUNDMATTERS	036
INKEL	197	SOUNDSTREAM	375
INTEGRA	354 438	SSI	064 088
JAMO	398	SUMO	068
JBL	263	SUNFIRE	171
JCPENNEY	076 216	TAEKWANG	344 345 346 494
JEFF ROWLAND	206	TEAC	138
JENSEN	098	TECHNICS	005 019 049 111 212 217
JVC	240 163 191 114 266 279 291	THETA DIGITAL	122 176 193 219 178 177 200 257 262

AUDIO

AUDIO

CODE NUMBERS

007	KENWOOD	026 066 145 146 181 190 197 192 182 199 151 222 180 005
082 092 225 161 269 355 356 366		280 374 550
170 018 104 202 203 213 211 188	KINERGETICS	220 140
138 189	KLH	331
125 126 127 128 258 281 282 038	KOSS	216 573
054	KRELL	150 072 376 384
196	KYOCERA	007
142	LEXICON	120 235 236 237 357 358 359 360 361 362 363 364
335 336 337 338 339	LINN	124 377
141 418 419	LUXMAN	137 139 052 165 115 004 009
342	LXI	076 056
147	MAGNAVOX	086 164 152 208
135	MARANTZ	006 028 031 040 063 185 186 251 265 119 289 296 492
194 221 011	MCINTOSH	238 286
021 196 207	MCS	076
071	MERIDIAN	100 012 013
167	MITSUBISHI	242 243 204
273	MONDIAL	157 158 042 043 081 112
134	MYRYAD	276 293
096 097	NAD	186 113 283 478 479
070 170 224 347 409 459 460 532	NAKAMICHI	111 244 245 172 183 287
447	NEC	176
023	NILES	403
522	NIRO	343
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
076	OPTIMUS	026 041 138
140	OUTLAW	342
034 134	PANASONIC	032 195 219 177 292 383 516
148 272	PARASOUND	129 130 132 261 294 295 333 334
026	PHAST	196
537	PHILIPS	249 250 251 063 119
382	PIONEER	014 033 039 044 045 050 069 159 168 116 035 078 198 480
076	POLKAUDIO	029 515
415 515	PRIMARE	464
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
466	REALISTIC	019 056 073 075 095
149	REQUEST	351
057 290	REVOX	162
089 098	ROTEL	074 083 085
368 381 451 452 453 454	RUSSOUND	379 391 392
352	SAMSUNG	016 571
047 214 180 182 297	SANSUI	040 048 110 119 065 228
378	SANYO	047 059
062 231	SCOTT	019 091
342	SEARS	076
008	SHARP	026 094 131 175 181
174	SHERWOOD	024 038 055 102 103 105 106 051 030 447
231 233 254 153 154 118 121 227 277 317 318 365	SONY	018 093 223 247 248 160 166 015 101 184 218 271 353 369
020	SOUNDESIGN	372 380 417 421
371	SOUNDMATTERS	036
197	SOUNDSTREAM	375
354 438	SSI	064 088
398	SUMO	068
263	SUNFIRE	171
076 216	TAEKWANG	344 345 346 494
206	TEAC	138
098	TECHNICS	005 019 049 111 212 217
240 163 191 114 266 279 291	THETA DIGITAL	122 176 193 219 178 177 200 257 262

BRAND	CODE NUMBERS	BRAND	CODE NUMBERS
TOSHIBA	060 087 198 278	ALPHASTAR	123
WARDS	180	AMPLICA	050
YAMAHA	026 253 169 067 173 205 264 232 089 264 274 285 332 373	BIRDVIEW	129 113 051 126
	432 433	BSR	053
ZENITH	143 210	CABLEVISION / VOOM	148
AUDIO-XM Radios & Tuners		CAPETRONICS	053
BOSE	170 532	CHANNEL MASTER	013 014 015 018 036 055
DELPHI	415 515	CHAPARRAL	008 009 012 077
FANFARE	352	CITOH	054
KENWOOD	550	CURTIS MATHES	050
POLKAUDIO	515	DIRECTV	173
SONY	380	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
		RADIOHACK	148
		RCA	151 106 150
		REALISTIC	043 074

BRAND	CODE NUMBERS	BRAND	CODE NUMBERS
AUDIO			

BRAND	CODE NUMBERS	BRAND	CODE NUMBERS

SAMSUNG
 SATELLITE SERVICE
 SKY
 SONY
 STARCAST
 STAR CHOICE
 SUPERGUIDE
 TEECOM
 TOSHIBA
 TOWN & COUNTRY
 UNIDEN
 VIEWSTAR
 WINEGARD
 ZENITH
SAT-DVR, TIVO
 DISH
 ECHOSTAR
 HUGHES
 JVC
 PHILIPS
 RCA
 REPLAY NETWORKS
 SONY
 TIVO
 TOSHIBA

BRAND

CODE NUMBERS

BRAND

CODE NUMBERS

123 155 163 169 175
 028 035 047 085
 164
 103
 041
 148
 020 124 125
 023 026 075 087 088 090 107 130 137
 127 068 154 157 158
 023 026
 016 025 042 043 044 045 048 049 078 079 080 086 101 135
 136
 115
 128 146
 159
 122
 122
 205 207
 122
 205 202 207
 206
 201
 203 204
 202 207
 207

ADCOM
 AIWA
 AKAI
 AMC
 AMEND
 ARCAM
 AUDIO ACCESS
 AUDIO EASE
 AUDIO TECHNICA
 BSR
 CALIFORNIA AUDIO
 CAPETRONIC
 CARRERA
 CARVER
 CASIO
 CLARINETTE
 CREEK
 CROWN
 DENON
 EMERSON
 FISHER
 FRABA
 GENEXXA
 GOLDSTAR
 HAITAI
 HARMAN KARDON
 HITACHI
 INKEL
 JCPENNEY
 JENSEN
 JVC
 KENWOOD
 KOSS
 KRELL
 KYOCERA
 LOTTE
 LUXMAN
 LXI
 MAGNAVOX
 MARANTZ
 MCINTOSH
 MCS
 MEMOREX
 MISSION
 MITSUBISHI
 MITSUMI
 MODULAIRE
 MONDIAL
 MYRYAD
 NAD
 NAKAMICHI
 NEC
 NIKKO
 NSM
 ONKYO
 OPTIMUS
 PANASONIC
 PARASOUND
 PHILIPS
 PIONEER

062 042
 059 065 088 089 105 122 170 187
 085 195 202
 231 232
 118
 238
 119 147
 165
 046
 037 057
 103 008
 063
 057 080
 185 041 044 050 086 107 130 134 135 138 139 203 204 167
 111 182
 182
 159
 035
 002 123
 042 069 102
 050 185 134 008
 111
 010 069 102
 080
 093
 018 033 047 208
 042 175
 130 143 144
 014 061 092 141
 158
 004 022 136 163 213 214 242 243
 185 007 023 055 071 072 142 137 254
 061
 241
 005
 102
 011 028 070 076 249 252
 059
 044 107
 027 041 044 051 077 107 209 246
 212 247
 014 073 092
 010
 044 107
 179
 153
 182
 147
 244 155
 006 005 067 178
 217 218 219 095
 014 062
 046
 044 107
 030 038 039 168 169
 010 050 057 058 081 082 083 085 093 195
 103 201 172 008 068 248
 233 240
 041 044 107 246 253
 010 020 025 056 174 175 176

CD

BRAND

CODE NUMBERS

BRAND

CODE NUMBERS



PROCEED
 PROTON
 QJASAR
 RADIO SHACK
 RCA
 REALISTIC
 ROTEL
 SAE
 SANSUI
 SANYO
 SCOTT
 SHARP
 SHERWOOD
 SIGNATURE
 SONY
 SOUNDESIGN
 SUMO
 SYLVANIA
 SYMPHONIC
 TAEKWANG
 TANDY
 TEAC
 TECHNICS
 TECHWOOD
 THETA DIGITAL
 TOSHIBA
 VECTOR RESEARCH
 VICTOR
 WARDS
 YAMAHA
 YORK

239
 044 107 228
 103 008
 182
 017 042 150
 042 050 051 102 181 182 187
 044 107 161 178 250
 044 107
 044 069 107 128 171 190 125
 050
 069 102
 026 031 051 066
 003 019 051 096 112 115 119 166
 033
 048 081 097 126 133 177 225 226 164
 251
 155
 044 107
 052 181
 195 085
 010
 015 034 036 051 052 101 131 140 079
 060 103 200 172 184 008 068
 076
 234 235
 006 067 091 160 148
 080
 004 022 114 124
 185 033
 024 046 054 186 183 245
 182

152
 164
 401
 155
 220
 191
 409
 221
 213 214 215 216 217 218
 261 262
 156
 204
 097
 080 253
 206
 151
 184
 209
 261 262
 294 295
 261 262
 219
 153
 185
 185
 406
 297
 208 257
 158 159 077
 186 201
 408 107
 205
 160 187
 161
 085
 162
 081
 163 156
 082
 207
 078 079
 164 165 166 261 262
 153
 167
 203
 183 093
 168 169 170 171 172 188 189

AUX-TAPE

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

AUX

CODE TABLES

CODE TABLES

BRAND

CODE NUMBERS

COMMAND

BUTTON LOCATION

MARANTZ	014 027 056 065 087	POWER/OFF	OFF
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

AUX-Media PC Controls

DELL	261 262	3	3/TEST
GATEWAY	261 262	4	4/THX
HAUPPAUGE	294 295	5	5/DD
HP	261 262	6	6/DTS
KEYSPAN	297	7	7/LOGIC
SONY	261 262	8	8/ST
TOSHIBA	261 262	9	9/SURR
WINBOOK	261 262	0	0/TAPE 2

AUX - XBox Controls

MICROSOFT/XBOX	408 107	+10/VCR 4	+10/VCR 4
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AUX-iPod Controls

APPLE/iPod	401	ENTER	ENT / PH
BOSE	409	PIP ON/OFF	MODE+
KENSINGTON	406	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.

COMMAND

POWER/OFF
ON
VOL+
VOL-
MUTE
CH+
CH-
LAST
BYPASS
MENU
GUIDE
INFO
EXIT
UP
DOWN
SELECT
LEFT
RIGHT
REW
FF
STOP
PLAY
PAUSE
1 / SLEEP
2 / 6.7 CH
3 / TEST
4 / THX
5 / DD
6 / DTS
7 / LOGIC
8 / ST
9 / SURR
0 / TAPE 2
+10 / VCR 4
ENTER/MUSIC
FAV
DAY+
PAGE+
HELP
LOCK/PPV
DAY-
PAGE-
SETTINGS
RECORD
A
B
C

OFF
VOL+
VOL-
MUTE
CH+
CH-
PREV CH
TV/VCR
MENU
GUIDE
INFO
EXIT
UP
DOWN
SELECT
LEFT
RIGHT
REW
FF
STOP/REC
PLAY
PAUSE
1 / SLEEP
2 / 6.7 CH
3 / TEST
4 / THX
5 / DD
6 / DTS
7 / LOGIC
8 / ST
9 / SURR
0 / TAPE 2
+10 / VCR 4
MODE+
SUB+
CENTER+
REAR+
MODE-
SUB-
CENTER-
REAR-
Press SHIFT first, then press STOP/REC button.
Press SHIFT first, then press 1/SLEEP button.
Press SHIFT first, then press 2/6.7CH button.
Press SHIFT first, then press 3/TEST button.

BUTTON LOCATION

COMMAND

POWER/OFF
POWER/ON
SKIP+
SKIP-
EJECT
MENU
PROGRAM
DISPLAY
CLEAR
UP
DOWN
SELECT
LEFT
RIGHT
SCAN- / REW
SCAN+ / FF
STOP
PLAY
PAUSE
1
2
3
4
5
6
7
8
9
0
10
ENTER
REPEAT
A/B REPEAT
RANDOM
RETURN
TITLE
TIME
MEMO
AUDIO
STEP+
STEP-
TOP MENU
SETUP
SEARCH
SLOW-
SLOW+
REC
ANGLE
SUB ON/OFF
SUBTITLE
PICTURE
SURR
ZOOM

OFF
ON
CH+
CH-
PREV CH
MENU
GUIDE
INFO
EXIT
UP
DOWN
SELECT
LEFT
RIGHT
REW
FF
STOP/REC
PLAY
PAUSE
1 / SLEEP
2 / 6.7 CH
3 / TEST
4 / THX
5 / DD
6 / DTS
7 / LOGIC
8 / ST
9 / SURR
0 / TAPE 2
+10 / VCR 4
ENT / PH
MODE+
SUB+
CENTER+
REAR+
MODE-
SUB-
CENTER-
REAR-
Press SHIFT first, then press CH+ button.
Press SHIFT first, then press CH- button.
Press SHIFT first, then press MENU button.
Press SHIFT first, then press INFO button.
Press SHIFT first, then press REW button.
Press SHIFT first, then press FF button.
Press SHIFT first, then press STOP/REC button.
Press SHIFT first, then press 1/SLEEP button.
Press SHIFT first, then press 2/6.7CH button.
Press SHIFT first, then press 3/TEST button.
Press SHIFT first, then press 4/THX button.
Press SHIFT first, then press 5/DD button.
Press SHIFT first, then press 6/DTS button.

BUTTON LOCATION

COMMAND

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

BUTTON LOCATION

POWER/OFF	OFF
POWER/ON	ON
VOL+	VOL+
VOL-	VOL-
MUTE	MUTE
PRESET+	CH+
PRESET-	CH-
SCAN	PREV CH
BAND,FM/AM	TV/VCR
MODE	MENU
DISPLAY	GUIDE
OSD	INFO
CLEAR	EXIT
UP	UP
DOWN	DOWN
SELECT	SELECT
LEFT	LEFT
RIGHT	RIGHT
SCAN- / REW	REW
SCAN+ / FF	FF
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 / VCR 4	+10 / VCR 4
ENTER	ENT / PH
MODE+	MODE+
SUB+	SUB+
CENTER+	CENTER+
REAR+	REAR+
MODE-	MODE-
SUB-	SUB-
CENTER-	CENTER-
REAR-	REAR-
TUNER Input	Press SHIFT first, then press AUD button.
CD Input	Press SHIFT first, then press CD button.
DVD Input	Press SHIFT first, then press DVD button.
AUX Input	Press SHIFT first, then press AUX button.
Video 3 Input	Press SHIFT first, then press SAT button.
Video 2 Input	Press SHIFT first, then press TV button.
Video 1 Input	Press SHIFT first, then press VCR button.
TAPE Input	Press SHIFT first, then press CBL button.
HALL	Press SHIFT first, then press MENU button.
THEATER	Press SHIFT first, then press GUIDE button.
CATHEDRAL	Press SHIFT first, then press INFO button.
PARTY	Press SHIFT first, then press EXIT 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.

COMMAND

REC	Press SHIFT first, then press STOP/REC button.
SLEEP	Press SHIFT first, then press 1/SLEEP button.
5/6/7 CH	Press SHIFT first, then press 2/6.7CH button.
TEST	Press SHIFT first, then press 3/TEST button.
THX	Press SHIFT first, then press 4/THX button.
DOLBY DIGITAL	Press SHIFT first, then press 5/DD button.
DTS	Press SHIFT first, then press 6/DTS button.
LOGIC 7	Press SHIFT first, then press 7/LOGIC button.
STEREO	Press SHIFT first, then press 8/ST button.
SURR	Press SHIFT first, then press 9/SURR button.
TAPE2 Input	Press SHIFT first, then press 0/TAPE2 button.
Video 4 Input	Press SHIFT first, then press +10/VCR4 button.
PHONO Input	Press SHIFT first, then press ENT/PH button.
BASS+	Press SHIFT first, then press MODE+ button.
TREBLE+	Press SHIFT first, then press SUB+ button.
SURR+	Press SHIFT first, then press CENTER+ button.
DELAY+	Press SHIFT first, then press REAR+ button.
BASS-	Press SHIFT first, then press MODE- button.
TREBLE-	Press SHIFT first, then press SUB- button.
SURR-	Press SHIFT first, then press CENTER- button.
DELAY-	Press SHIFT first, then press REAR- button.

BUTTON LOCATION

OFF	POWER/OFF
ON	POWER/ON
VOL+	VOL+
VOL-	VOL-
MUTE	MUTE
CH+	CH+
CH-	CH-
PREV CH	PREV CH
TV/VCR	INPUT/ANT
MENU	MENU
GUIDE	GUIDE
INFO	INFO
EXIT	EXIT
UP	UP
DOWN	DOWN
SELECT	SELECT
LEFT	LEFT
RIGHT	RIGHT
REW	REW
FF	FF
STOP/REC	STOP
PLAY	PLAY
PAUSE	PAUSE
1/SLEEP	1
2/6.7 CH	2
3/TEST	3
4/THX	4
5/DD	5
6/DTS	6
7/LOGIC	7
8/ST	8
9/SURR	9
0/TAPE 2	0
+10/VCR 4	10
ENT / PH	ENTER
MODE+	FAV
SUB+	SEARCH
CENTER+	FETCH
REAR+	VIDEO
MODE-	ALT AUDIO
SUB-	PROGRAM
CENTER-	HELP
REAR-	INTERACTIVE
Press SHIFT first, then press STOP/REC button.	RECORD

COMMAND

POWER/OFF
ON
TRACK+
TRACK-
EJECT
RANDOM
EDIT
PROGRAM
DISPLAY
CLEAR
UP
DOWN
SELECT
LEFT
RIGHT
SCAN- /REW
SCAN+/FF
STOP/REC
PLAY
PAUSE
1
2
3
4
5
6
7
8
9
0
ENTER
DISC1
DISC2
DISC3
DISC SKIP+
DISC4
DISC5
DISC6
DISC SKIP-
REPEAT
INTRO
DISC
TIME

OFF
CH+
CH-
PREV/CH
MENU
GUIDE
INFO
EXIT
UP
DOWN
SELECT
LEFT
RIGHT
REW
FF
STOP/REC
PLAY
PAUSE
1/SLEEP
2/6.7 CH
3/TEST
4/THX
5/DD
6/DTS
7/LOGIC
8/ST
9/SURR
0/TAPE 2
+10/VCR 4
ENT/PH
MODE+
SUB+
REAR+
MODE-
SUB-
REAR-
Press SHIFT first, then press 1/SLEEP button.
Press SHIFT first, then press 2/6.7CH button.
Press SHIFT first, then press 3/TEST button.
Press SHIFT first, then press 4/THX button.

POWER/OFF
POWER/ON
VOL+
VOL-
MUTE
(A)REW
(A)FF
(A)STOP
(A)PLAY
(A)PAUSE
1
2
3
4
5
6
7
8
9
0
ENTER
(B)FF
(B)PLAY
(B)PLAY BACK
DECK A
(B)REW
(B)STOP
(B)REC
DECK B
(A)REC
(A)PLAY BACK
DIRECTION A
DIRECTION B

BUTTON LOCATION

COMMAND

BUTTON LOCATION

OFF
ON
VOL+
VOL-
MUTE
REW
FF
STOP/REC
PLAY
PAUSE
1/SLEEP
2/6.7 CH
3/TEST
4/THX
5/DD
6/DTS
7/LOGIC
8/ST
9/SURR
0/TAPE 2
+10/VCR 4
ENT/PH
MODE+
SUB+
CENTER+
REAR+
MODE-
SUB-
CENTER-
REAR-
Press SHIFT first, then press STOP/REC button.
Press SHIFT first, then press PLAY button.
Press SHIFT first, then press REAR+ button.
Press SHIFT first, then press REAR- 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™



UNIVERSAL[®]
remote control

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