

APPENDIX I
: USER'S MANUAL

Universal Remote Control



OWNER'S MANUAL

simply the MOST powerful™

RF30

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

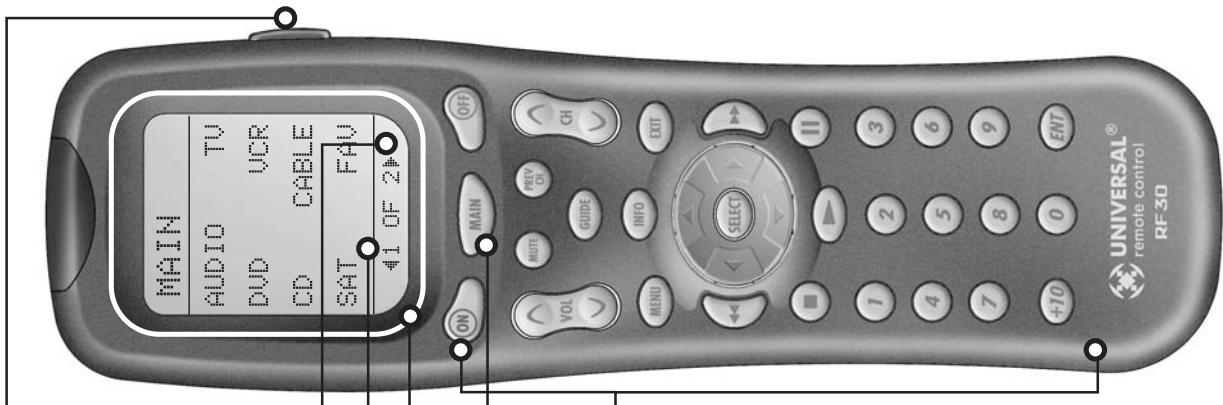
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MASTERCONTROL™ RF10 Owner's Manual
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Warning: Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

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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LIGHT BUTTON
PAGE BUTTONS <small>changes the page of buttons displayed</small>
PAGE NUMBERS
SCREEN BUTTONS
MAIN BUTTON <small>takes you to the main menu</small>
FUNCTION BUTTONS

Touch the Screen to use the Screen Buttons

Getting Started-Overview

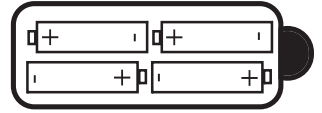
This is what MASTERCONTROL™ RF30 is all about!

The RF30 is designed to operate up to 15 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 RF30 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!



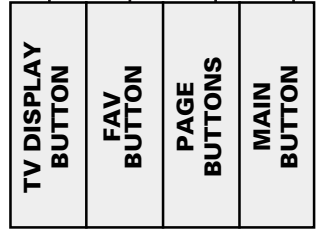
Activating Component Commands – Simple, Easy, Intuitive

Once you've programmed RF30 for your Components, all you have to do to operate a specific Component is first, press the MAIN button. This will display Page 1 of the MAIN menu on the LCD touch screen. Page 1 of the MAIN menu displays seven Components, plus FAV (Favorite Channel). Then, simply select the Component you want to operate by pressing the desired Component display button on the LCD Touch Screen. As an example, if you press the TV display button, the display label at the top of the screen will change from MAIN to TV, and all the buttons on RF30 will work your TV. To operate another Component, simply press the MAIN button again to return to Page 1 of the MAIN menu

and select the next Component you want to operate.

If you don't see the Component you want to control on Page 1 of the MAIN menu, just use the PAGE (◀) (▶) display buttons at the bottom of the screen to bring up Page 2 of the MAIN menu which displays an additional eight Components.

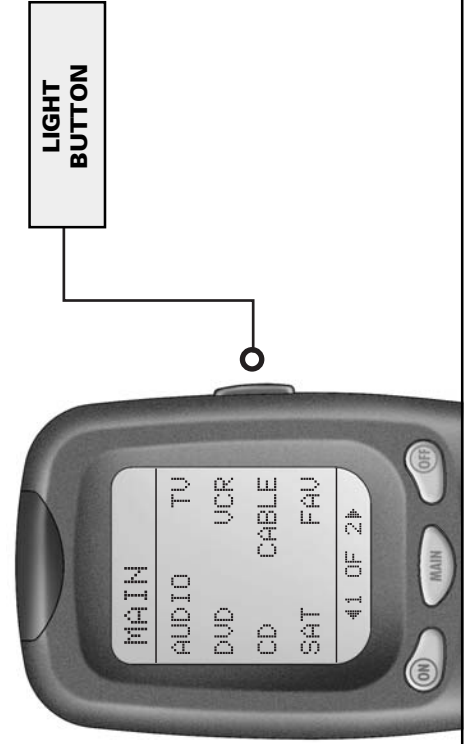
Each Component is provided with four pages of pre-labeled command display buttons (or space for additional command display buttons). Once again, simply use the PAGE (◀) (▶) display buttons to take you to the next command page, or return you to the previous command page.



Light Button

The fully backlit keypad makes the RF30 easy to use in the dark or dim lighting conditions. Simply press the LIGHT button to backlight all the keypad buttons and LCD touch 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 two ways to program the RF30:

- **The Pre-Programmed Code Method**
- **The Learning Method**

The Pre-Programmed Code Method allows you to set up all the buttons at once, so it's the fastest and easiest of the two methods. 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 44. 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 RF30, 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 MAIN and ENT (Enter) buttons at the same time for approximately 3 seconds, until the word "SETUP" is displayed at the top of the LCD touch 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.



MAIN
BUTTON

ENTER
BUTTON

STEP 4:

Press the P-PRO button to select the Pre-Programmed Method.

The screen will then display the seven Components (and FAV) on Page 1 of the MAIN menu.

To display Page 2 of the MAIN menu that lists an additional eight Components, simply press the (◀ or ▶) Page buttons at the bottom of the screen.

STEP 5:

Press the Component button you want to program. For example: If you want to setup the TV Component button, press the TV Component button. The display at the bottom of the LCD screen will flash "FROM - TABLE".

STEP 6:

In this step you verify the type of component you plan to operate with this component button. For example: If you plan to operate the TV component with the TV button, simply press the TV button once again. However, if for example you are setting up AUX to operate a second DVD Player, you would first need to press AUX in Step 5, and then DVD in Step 6.

P-PRO
BUTTON



DEVICES
FAV
BUTTON



NOTE:

If the Component fails to turn off after you have entered all the code numbers listed for your brand, you can scan through all the other code numbers that are pre-loaded into the RF30 for that Component (in this case TV) by using the UP or DOWN buttons on the screen. (There is a chance that your Component was actually manufactured by another brand.) However, most of the code tables are so large that it is usually faster to use the Learning Method on Page 15.

STEP 7:

Point the RF30 toward the Component you want to program, (in this example, TV), and punch in the 3-digit code 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.



**NUMBER
BUTTONS**

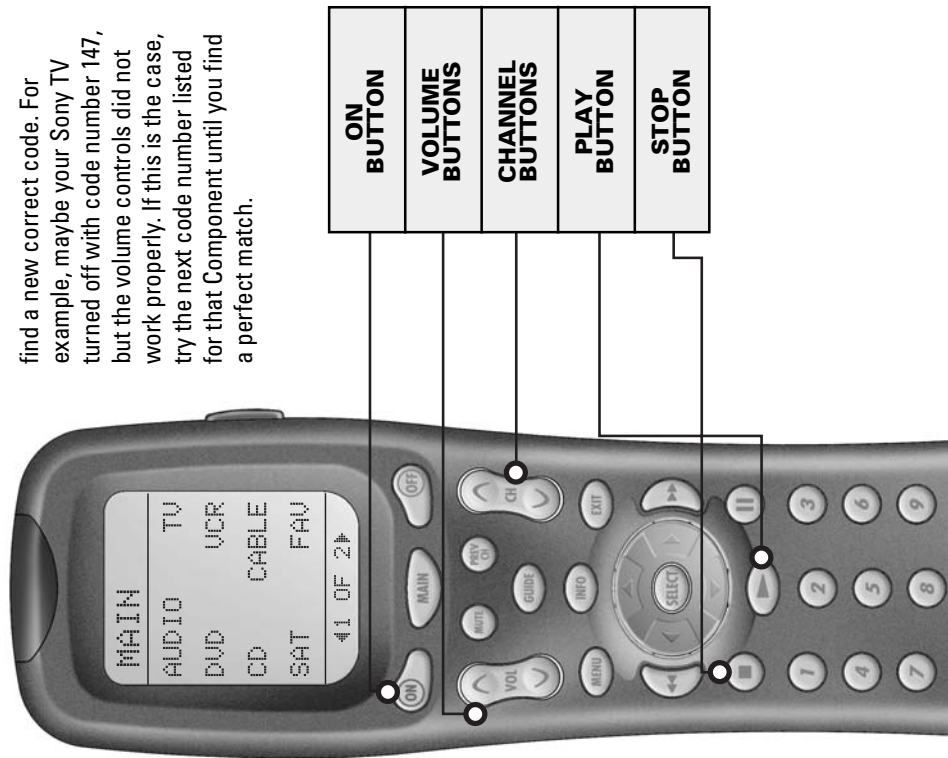
STEP 8:

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



**UP & DOWN
BUTTONS**

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 9:

Once you have found the right code, save the code number by pressing the SAVE button that appears on the LCD screen. The LCD screen will blink "SAVED" two times, signaling that the code number has been successfully saved.

STEP 10:

Exit SETUP mode by pressing the MAIN button two times. When the LCD screen displays MAIN, you are back in normal operating mode.

NOW, PROGRAM THE REST OF YOUR COMPONENTS BY REPEATING STEPS 1 THROUGH 9. IN MOST SYSTEMS, YOU CAN FINISH BASIC SETUP IN JUST A FEW MINUTES AND PUT ALL YOUR OLD REMOTES AWAY. IF YOU ARE STILL MISSING COMMANDS TO CONTROL ANY OF YOUR COMPONENTS, USE THE LEARNING METHOD ON PAGE 15.



Learning Method

The RF30 can actually 'learn' commands from other remote controls (old or new), one-button-at-a-time, so it will never become obsolete. RF30 is the last remote you'll ever need! Just follow these simple steps:



STEP 1:

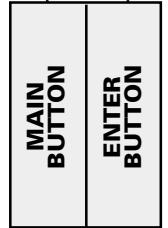
Line-up the RF30 with the other remote control, head-to-head, one or two inches apart.

STEP 2:

On the RF30, press and hold the MAIN and ENT (Enter) buttons at the same time for approximately three seconds, until the word "SETUP" is displayed at the top of the LCD touch screen. This signals 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 3:

Press the LEARN button on the LCD screen. The top of the screen will change to "LEARN" and display the seven Components (and FAV) from Page 1 of the MAIN menu.

To display Page 2 of the MAIN menu that lists an additional eight Components, simply press the (◀ or ▶) Page buttons at the bottom of the screen.

STEP 4:

Select the Component you want to teach commands to by pressing that Component button on the LCD screen (in this example, TV). The top of the screen will change to "TV".

NOTE: If you want to teach any command to a Component button, press the Component button once the top of the screen displays "MAIN", by pressing the PAGE button. The top of the screen will change to "READY". Then go to STEP 6.



STEP 5:

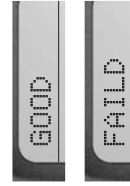
Press any button on the RF30 that you want to teach a command to. The top of the screen will change to "READY" and the bottom of the screen will display the button you pressed.



NOTE: If you don't see the display button you would like to teach on the LCD screen, use the (◀ or ▶) PAGE buttons at the bottom of the screen. The only buttons you can't teach are the PAGE and MAIN buttons.

STEP 6:

Press and hold the button on the other remote control that you want to 'teach' to the RF30 until the LCD display on the RF30 changes to either "GOOD" or "FAILED". If the "GOOD" label appears on top of the display and "SAVED" flashes on the bottom, you were successful. If the "FAILED" label appears on top of the display, try 'teaching' the same button to the RF30 once again by repeating STEPS 5 and 6.

**STEP 7:**

Now, continue to teach the RF30 any other commands from your old remotes by repeating STEPS 4 through 6 (to go back to STEP 4, simply press MAIN once).

STEP 8:

Once you have completed teaching all the button commands to the RF30, return to normal operation by pressing the MAIN button twice.

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.

BASIC SETUP**BASIC SETUP**

Transmitting (Busy Signal) Icon

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



Customizing Your RF30 with Special Advanced Features

After you've finished all your basic setup, you can choose to make operation easier by customizing the RF30 just the way you want, using the Special Advanced Setup Features described in this section.

Customizing the LCD Touch Screen

You can easily edit or change the name of any of the display buttons (including Favorite Channels) on the LCD screen by following these steps:

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 bottom of the LCD will blink "LOCKED" three times and then display "LOCKED".

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.

STEP 1:

Press and hold the MAIN and ENT (Enter) buttons at the same time for approximately 3 seconds, until the word "SETUP" is displayed at the top of the LCD touch 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 3:

Press the TEXT button. The screen will display the list of Components and "EDIT" will appear at the top of the screen.

STEP 4:

Navigate to the Component and page where there is a button label you want to EDIT, selecting between the FAV, MAIN, COMPONENT, then using the PAGE button.

NOTE: If you wish to change the name of a Component button, press the Page (▶) button twice. The top of the display will change to MAIN, and you can navigate to MAIN page 1 or page 2 before going on to Step 5.

STEP 2:

Press the EDIT button. The LCD display will change to the EDIT menu.

Favorite Channel Setup

This is one of RF30's most desirable features. Once it's set up, you can select up to 40 favorite channels with the press of a button - without the need to remember or type in a channel number. Let the channel surfing begin!

To access Favorite Channel listings, press the MAIN button to bring up Page 1 of the MAIN menu. Then press the FAV (Favorite Channel) button on the LCD touch screen. The screen changes to a list of favorite TV channels. Each button can be set to instantly select the channel on your TV. There are five pages of eight favorite channel buttons for a total of 40. Simply touch the PAGE buttons to display the other pages of favorite channels.

To setup a Favorite Channel button, follow these steps:

STEP 1:

Press and hold the MAIN and ENT (Enter) buttons at the same time for approximately 3 seconds, until the word "SETUP" is displayed at the top of the LCD touch 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 FAV display button.

The top of the display will show "FAV". The bottom of the display will flash "SELECT"

STEP 3:

Use the Page buttons until you locate the name (i.e., ABC, CBS, NBC) of the favorite channel you want to setup.

STEP 4:

Press the favorite channel button you want to setup. The top of the screen will change to show the channel name. The bottom of the screen displays "STEP0", indicating that you have not entered the channel number yet.

STEP 5:

Press either the TV, SAT or CABLE Component button (select the Component you use to enter channel numbers).

STEP 6:

Press each of the number buttons for the channel.

Note: If a number is repeated when setting the channel (for example, channel "33" or "522"), it is usually best to set a half second delay in between the identical numbers by pressing the (II) PAUSE button. Each press of the PAUSE button increases the delay by a half second.



STEP 7:

Press the LIGHT button after you enter the channel number. A new screen appears displaying SAVE, UNDO or EXIT.

STEP 8:

To save the channel you entered, press the SAVE button. The UNDO button lets you erase the last entry. The EXIT button erases all entries for this button.

STEP 9:

When you are finished setting up Favorite Channel buttons, press the MAIN button twice to return to normal operation.

**SAVE
BUTTON**

**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 RF30 can accomplish with the press of one button. In addition to the Power ON or OFF buttons, any of the Display buttons (on any Component or Page) 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 the MAIN and ENT (Enter) buttons at the same time for approximately 3 seconds, until the word "SETUP" is displayed at the top of the LCD touch 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 4:

Press the first component button you want the Macro to turn on (in this example, TV) and "TV" will display at the top of the screen and "STEP 1" at the bottom.

STEP 5:

Then, press the ON button to confirm the command and "STEP 2" will display at the bottom of the screen. (NOTE: Whenever a button is pressed, another Macro step is counted and displayed at the bottom of the screen.)

STEP 6:

Now, press the MAIN button to return to the Main Component listing. ("STEP 3" will display at the bottom of the screen.)

STEP 1:

Press and hold the MAIN and ENT (Enter) buttons at the same time for approximately 3 seconds, until the word "SETUP" is displayed at the top of the LCD touch 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 MACRO button on the LCD screen. The top of the screen will display "MACRO". The bottom of the display will flash "SELECT".

STEP 3:

Press the ON button. "ON" will display at the top of the LCD screen. "STEP0" will display at the bottom of the screen indicating that no macro steps have been entered yet.

STEP 7:

Press the second component that you want the Macro to turn on (in this example, VCR) and "VCR" will display at the top of the screen. ("STEP 4" will display at the bottom of the screen.)

STEP 8:

Then, press the ON button to confirm the command. ("STEP 5" will display at the bottom of the screen.)

STEP 9:

Now, press the MAIN button to return to the Main Component listing. ("STEP 6" will display at the bottom of the screen.)

STEP 10:

Press the third component that you want the Macro to turn on (in this example, CABLE) and "CABLE" will display at the top of the screen. ("STEP 7" will display at the bottom of the screen.)

STEP 11:

Then, press the ON button to confirm the command. ("STEP 8" will display at the bottom of the screen.)

NOTE: Don't worry about the number of steps. Each macro button can store up to 190 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 12:

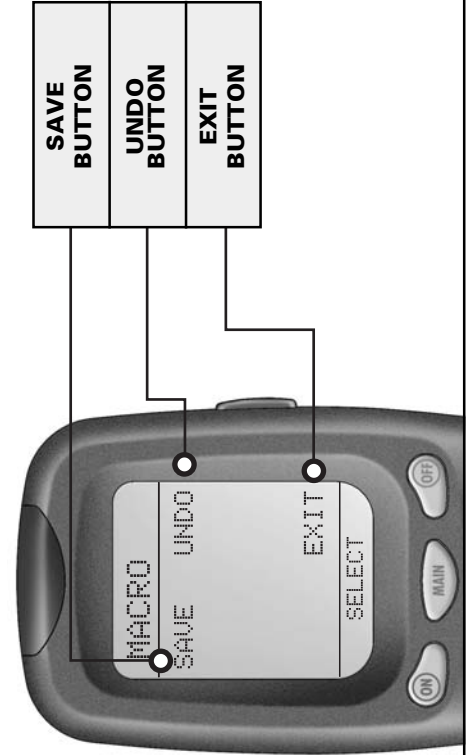
Press the LIGHT button to end your macro. A new screen will appear:

STEP 13:

If you are satisfied with your macro, press SAVE. The UNDO button lets you erase the last step. The EXIT button erases all the macro steps.

STEP 14:

Press the MAIN button twice to return to normal operation.



Advanced Macro Options:

SETTING UP A POWER OFF MACRO:

Simply follow the same steps as outlined above, except press the OFF button in place of the ON button.

SETTING A COMPONENT BUTTON AS MACRO:

If you wish to set one of the Component buttons as a macro, in STEP 3, press the Page (▶) button twice. The top of the display will change to MAIN, and you can navigate to MAIN page 1 or page 2. Press the Component button you want to set as a Macro button. The top of the screen will display the button label you selected. Select the Component and Page that has a button you want in your Macro using the MAIN, Component and Page buttons. Simply press the button(s) with the command(s) you want in your Macro. Then complete and save the Macro by following STEPs 12 and 13 as outlined above.

PROGRAMMING A "PRESS & HOLD" MACRO:

Another option for Component button macros is to only send the macro 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 RF30'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!

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.

time for approximately 3 seconds, until the word "SETUP" is displayed at the top of the LCD touch 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 and hold the MAIN and ENT (Enter) buttons at the same

STEP 3:

From the LCD screen Setup menu, press the PUNCH button.



STEP 4:

Then press the VOL (Volume) button. The screen will display "VOL" at the top. This sets up the group of three buttons (Volume Up, Volume Down and Mute) in one action!

The bottom of the display flashes "PUNCH TO". Press the button for the Component that doesn't have volume control commands yet (i.e., DVD). This is the Component you are going to PUNCH TO for the volume and mute commands.

NOTE: If you want to PUNCH TO the MAIN Component, press the POWER OFF button at this time.

STEP 5:

The bottom of the display will then flash "PUNCH FROM". Now select the Component that has the volume commands you want to use (i.e., TV for systems using the TV speakers, AUDIO for systems with surround sound receivers). The bottom of the display will flash "SAVED".

STEP 6:

Repeat STEPS 4-5 until all your Components operate the volume perfectly.

STEP 7:
Press the MAIN button twice to return to normal operating mode and test your SimpleSound™ settings.

NOTE: The Punch Through feature is not limited to volume and can also be applied to channel selection or other 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 - Guide, Menu, Info, Exit, Up, Down, Left, Right, Select

Simply perform the steps outlined above, but in STEP 4, press one of the control options (CH, PLAY or VOD).

Setting Backlight Options

You can customize the backlighting feature to suit your specific preferences by following these simple steps:

Adjusting Length of Backlight Time

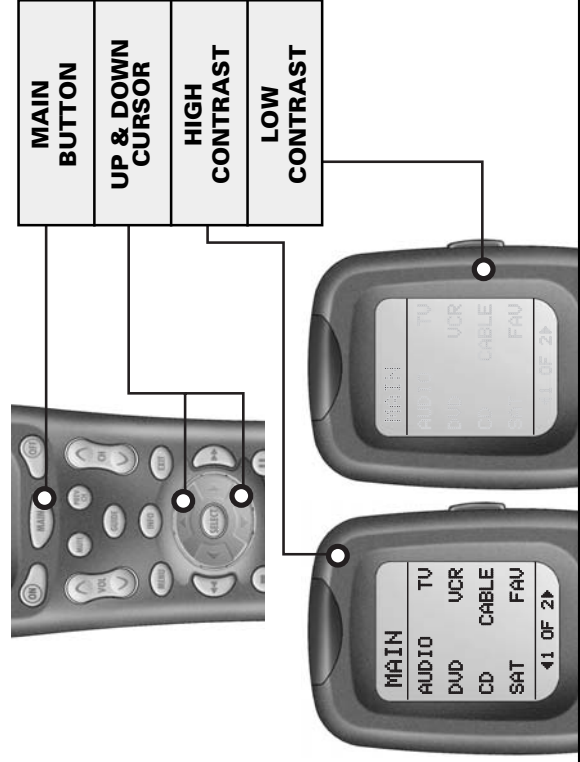
You can adjust the amount of time that the RF30 backlight stays on by entering the SETUP mode and proceeding to page two (using the PAGE (▶) button), then pressing the LIGHT button on the display (not the Backlight button). Then enter the amount of time you would like the light to stay on using the number pad (0-99 seconds). After making your selection, press the SAVE button.

Adjusting Contrast

You can make the text darker by pressing both the MAIN and cursor UP buttons at the same time. To make the text appear lighter, press both the MAIN and cursor DOWN buttons at the same time.

Turning OFF Backlighting

If you don't want backlighting at all (this extends battery life), press the ON button that appears on the screen. The ON will change to OFF. Press the SAVE button. Exit the setup mode by pressing the MAIN button.



Hiding and Adding Pages

Each of your RF30 Components actually contains five pages. However, only four pages are visible in the factory default setting. One page is hidden in each Component. If you wish to use the hidden page, you can ADD it. If you don't want to use some of the existing pages, you can HIDE them. You can add or hide pages on Components OR on your favorite channel pages using this simple process:

NOTE: Be sure to program your Macros before you hide pages with potential macros in them. You can't access hidden pages during macro setup. However, after you finish Macro setup, you can hide pages without affecting operation of your macros.

STEP 1:

Press and hold the MAIN and ENT (Enter) buttons at the same time for approximately 3 seconds, until the word "SETUP" is displayed at the top of the LCD touch 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.

EDIT BUTTON



PAGE BUTTON

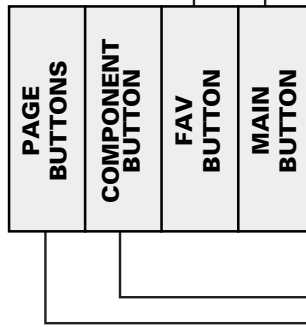


STEP 2:

Press the EDIT button on the LCD screen.

STEP 3:

Press the PAGE button once the screen changes to EDIT mode.



STEP 4:

"PAGE" appears at the top of the screen. Now, you can navigate to any page, using the MAIN, COMPONENT, FAV, and PAGE buttons.

STEP 5:

When you select a page, the top of the screen indicates whether you want to "ADD?" or "HIDE?" the page displayed. When you want to change a page's visibility (i.e., either ADD or HIDE), simply press the LIGHT button.

STEP 6:

You can continue to ADD or HIDE pages on other devices by repeating Steps 4 and 5.

STEP 7:

When you are finished adding and hiding pages, press the MAIN button four times to return to normal operation.



This page is hidden. To ADD it, press the LIGHT button



This page is visible. To HIDE it, press the LIGHT button.

Recalling Pre-Programmed Setup Code Numbers

In case you didn't write down the Pre-Programmed Code Numbers that you used to set up your RF30, you can easily recall them using this simple process:

STEP 1:

Press and hold the MAIN and ENT (Enter) buttons at the same time for approximately 3 seconds, until the word "SETUP" is displayed at the top of the LCD touch 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 RECAL button on the LCD screen. Each of the four screen pages will display the Component name and its corresponding code number.

NOTE: Use the (◀ or ▶) page buttons to display any of the four pages of Components and their code numbers.

STEP 3:

Write down the code numbers as they appear for future reference. Page 43 of this manual provides a convenient space for you to record your code numbers.

STEP 4:

Return to normal operation by pressing the MAIN button twice.

Cloning Other RF30s

If you are fortunate enough to own more than one RF30, you'll be happy to know that you can easily copy and transfer all the setup from one RF30 to another. Just follow these easy steps:

STEP 1:

For both the programmed RF30 that you want to clone, and unprogrammed RF30, press and hold the MAIN and ENT (Enter) buttons at the same time for approximately 3 seconds, until the word "SETUP" is displayed at the top of their respective LCD touch screens. This signals that both remotes 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 a PAGE button on each remote to bring up Page 2 of Setup and display the CLONE button.

STEP 3:

Press the CLONE button on each remote.



Erasing Commands - Overview

You can erase an individual button with a learned command, a macro or a favorite channel. You can erase an ENTIRE Component's learned command or macro buttons. You can also erase ALL your learned commands on all Components or all your macros or favorite channels everywhere.

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

Erasing Learned Buttons, Macros or Favorite Channels

STEP 4:

Align the two RF30s head-to-head, about an inch apart.

STEP 5:

Press the RECV display button on the unprogrammed RF30 that you want to setup by cloning.

STEP 6:

Press the SEND display button on the programmed RF30 that you want to clone.

STEP 7:

Press the START button on the unprogrammed RF30, and then press the START button on the programmed RF30 that you want to clone.

NOTE: Cloning typically takes about 40 seconds. After successful cloning is completed, the newly cloned RF30 will flash "GOOD".

STEP 8:

Return to normal operation by pressing the MAIN button twice.



ERASING COMMANDS

STEP 1:

Press and hold the MAIN and ENT (Enter) buttons at the same time for approximately 3 seconds, until the word "SETUP" is displayed at the top of the LCD touch screen. This signals that you are now in setup mode.

STEP 2:

Press the ERASE button on the LCD screen.

STEP 3:

Press either the LEARN, MACRO or FAV button. The following screen appears:

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.

ALL - Erases ALL of the specified (Learned, Macro or FAV buttons everywhere in the RF30)

DEVICE - Erases all learned or Macro buttons in a single Component (NOTE: This option is not available for FAVs.)

KEY - Erases one button only.



Re-setting RF30 to Original Factory Default Settings

If you want to start with a clean slate, you can re-set the RF30 its original factory default settings by performing the following steps.

NOTE: This process will essentially erase EVERYTHING you have programmed into the RF30.

STEP 4:

If you press ALL, the RF30 displays a "SURE?" button. After the SURE button is pressed, all the buttons will be erased.

If you press DEVICE, a list of Components will appear. Press the Component button that you wish to erase. The bottom of the screen will flash ERASE twice, then ERASED.

If you press KEY, you'll have to navigate to the Component and Page you want using the MAIN, COMPONENT and PAGE buttons. Press a button to erase it. The bottom of the display will flash ERASE twice, then ERASED.

**SURE
BUTTON**



STEP 5:

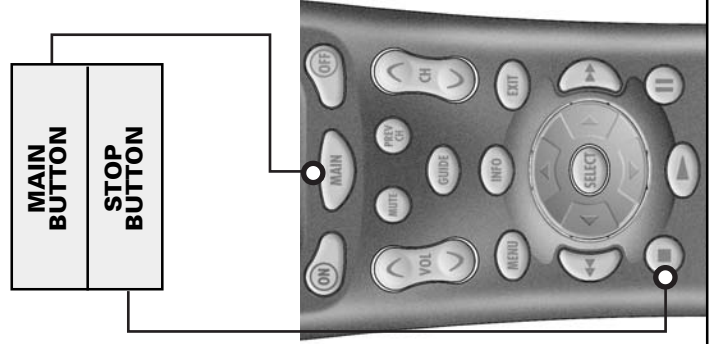
To return to normal operating mode, press the MAIN button four times

STEP 1:

press and hold both the MAIN and the STOP buttons for 10 seconds.

**MAIN
BUTTON**

**STOP
BUTTON**



STEP 2:

After 10 seconds, the RESET screen appears. Press the ALL button. The RF30 will display a "SURE?" button. Press the "SURE" button. Press the SURE button to erase all of your settings and return to the factory default setup.

**SURE
BUTTON**



ERASING COMMANDS

ERASING COMMANDS

The Optional PowerBlaster™ (for 'barrier-free' RF control) [Sold separately]

Of all the fabulous RF30 features, this is probably the most exciting. When used in combination with the optional PowerBlaster™, the RF30 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 RF30's radio frequency signals from any direction, regardless of distance, so RF30 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 RF30 for this feature to work. Every time you press a button on the RF30, it sends both a standard IR (Infrared Command) AND an RF (Radio Frequency) signal. If you install the PowerBlaster™ kit, it will automatically receive RF30's radio signals and translate them into the infrared commands that control your Components.

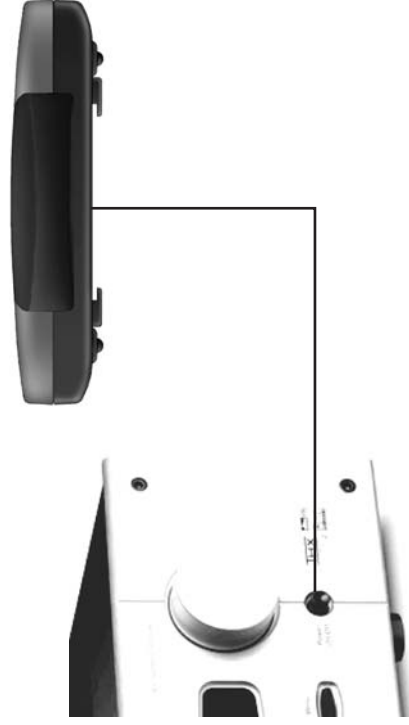
NOTE: The RF30's radio signals will not control Components directly. You must have a PowerBlaster™ to receive the RF30's radio signals. Components that came with "no pointing" radio remote controls cannot be operated by the RF30 unless the Component can be switched to standard IR (Infrared Control) via its internal menus. Some remote control ceiling fans are radio only and cannot be operated by the RF30.

THE POWER BLASTER

The RF30 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 RF30'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, AV Receivers and XM Radios
- SAT** Satellite Receivers
- CD** CD Players and CD Changers
- DVR** TiVo, Replay and other DVR's
- LDP** Laser Disc Players
- LIGHT** Lighting System and Dimmers
- TAPE** Tape Decks
- AUX** Multimedia PCs, Xbox, iPod Controls and Custom Installation Products
- PHONO** Phonographs

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	164 059 197 003 060 061 004 063 064 127 022 160 094 239 226 273
BLAUPUNKT	088	MARANTZ	197 164 184
BROKSONIC	238	MATSUI	164
CAIRN	201	MAXENT	242
CANDLE	197 002 003 004	MEMOREX	007 072 004
CAPEHART	058	METZ	088
CETRONIC	043	MGA	197 004 024 028 042
CITIZEN	197 002 003 004 043 101 103 143	MINERVA	088
CLASSIC	043	MITSUBISHI	109 124 024 004 028 040 042 146 191
CONCERTO	004	MTC	197 004 062 101
CONTEC	043 050 051	NAD	015 025
CORONADO	143	NEC	132 130 134 197 040 016 024 056 019 236 237 262 272
CRAIG	043 054	NIKEI	043
CROWN	043 143	NUVISION	351
CURTIS MATHES	197 101 004 143	ONKING	043
CXC	043	ONWA	043
DAEWOO	004 016 043 044 076 103 114 125 127 143	OPTONICA	019 081
DAYTRON	004 143	OPTOMA	265 270
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	028 048 043 155 005 197 004 047 050 051 076 096 143 151 153 154	PROSCAN	144 160 161 165 167
FISHER	007 057	PROTON	004 131 058 143 171 173 193
EPSON	324	QUASAR	034 056 092
ESA	323	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
INSIGNIA	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	013	SOUNDESIGN	028 004 003 043
KEC	038 034 070 063 145 199 210 240 241	SPECTRICON	112
	043	SSS	004 043

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FUJITSU	198 246 346	RCA	160 165 065 156 144 161 197 004 024 056 152 023 074 333
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FUTURETECH	043	ROCTEC	186
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GE	160 144 165 073 197 008 009 034 056 074 130 155 161 004	SAMPO	197 058 004 202
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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
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INFINITY	337 338	SHARP	081 019 014 170 028 029 004 022 143 175 251
INFOCUS	164	SIEMENS	088
INSIGNIA	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	013	SOUNDESIGN	028 004 003 043
KEC	038 034 070 063 145 199 210 240 241	SPECTRICON	112
	043	SSS	004 043

BRAND
 SUPRE MACY
 SVA
 SYLVANIA
 SYNTAX OLEVIA
 TANDY
 TATUNG
 TECHNICS
 TECHWOOD
 TEKNIKA
 TELEFUNKEN
 TELERENT
 TERA
 TMK
 TOSHIBA
 TOTEVISION
 UNIVERSAL
 VIDEO CONCEPTS
 VIDIKRON
 VIDTECH
 VIEWSONIC
 VIZIO
 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
 242
 386 387
 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
 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
 GATEWAY
 GE
 GO VIDEO
 HARMAN KARDON
 HITACHI
 ILO
 INTEGRA
 JVC
 KENWOOD
 KISS
 KLH
 KRELL
 LEXICON
 LG
 LITEON
 MAGNAVOX
 MALATA
 MARANTZ
 MERIDIAN
 MITSUBISHI
 MYRYAD
 NAD
 NAKAMICHI
 ONKYO
 OPPO
 PANASONIC
 PHILIPS
 PIONEER
 POLAROID
 PRIMARE
 PROCEED
 PROSCAN
 RCA
 PJTECH
 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
 179 279
 135
 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

DVD

BRAND	CODE NUMBERS	BRAND	CODE NUMBERS
VINC	161	AIWA	034 161
YAMAHA	042 089 166 195 197	AKAI	016 146 043 046 124 125 142
ZENITH	057 074 091	AMPRO	072
DVD-TV/DVD/VCR Combos		ANAM	031
AIWA	146	AUDIO DYNAMICS	012 023 039 043
FUNAI	143	BROOKSONIC	035 037 129
SAMSUNG	165	CANON	028 031
SYLVANIA	143	CAPEHART	108
SYMPHONIC	143	CRAIG	003 040 135
TOSHIBA	130	CURTIS MATHES	031 041
		DAEWOO	111 116 117 119 005 007 010 065 108 110 112
DVD-TV/DVD/VCR Combos		DAYTRON	108
MAGNAVOX	143	DBX	012 023 039 043
PANASONIC	144	DYNATECH	034 053
SYLVANIA	143	ELECTROHOME	059
TOSHIBA	164	EMERSON	006 029 035 017 025 027 031 034 036 037 046 101 129 131
			138 153 162 116
DVD-DVD/VCR Combos		FISHER	003 010 008 009
GO VIDEO	137 218	FUNAI	034
PANASONIC	150	GE	031 072 147 063 107 109 144
PHILIPS	105 (VCR Functions for VCR 067)	GO VIDEO	132 136 155 040 115
POLAROID	234	GOLDSTAR	101 106 114 013 020 012 123
SAMSUNG	137 159	HARMAN KARDON	012 045
SANSUI	154	HITACHI	004 026 150 018 034 043 063 137 160 013
SONY	145 191	INSTANTREPLAY	031
TOSHIBA	141	JCL	031
ZENITH	091 (VCR Functions for VCR171)	JCPENNEY	012 013 015 040 066 101
		JENSEN	043
DVD-DVD Recorders		JVC	048 043 130 150 055 060 012 031 050 152 166
GATEWAY	175	KENWOOD	014 048 034 047
GO VIDEO	220 221 222	LG	101 106 114 013 020 012 123
ILO	268	LLOYD	034
KISS	279	LXI	034 003 009 017 106
LITEON	265	MAGIN	040
PANASONIC	139	MAGNAVOX	067 031 034 068 041 156 164
SENSORY SCIENCE	222	MARANTZ	067 069 012 031 156
SONY	191	MARTA	101
TOSHIBA	188	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

BRAND

RCA
 REALISTIC
 RICO
 RUNCO
 SALORA
 SAMSUNG
 SANSUI
 SANYO
 SCOTT
 SEARS
 SHARP
 SHINTOM
 SIGNATURE
 SONY
 SOUNDESIGN
 STS
 SYLVANIA
 SYMPHONIC
 TANDY
 TATUNG
 TEAC
 TECHNICS
 TEKNIKA
 THOMAS
 TMK
 TOSHIBA
 TOTEVISION
 UNITECH
 VECTOR RESEARCH
 VICTOR
 VIDEO CONCEPTS
 VIDEOSONIC
 WARDS
 YAMAHA
 ZENITH

VCR-TV/VCR Combos

DAEWOO
 EMERSON
 FUNAI
 GOLDSTAR
 HITACHI
 JCPENNEY
 LG
 LLOYD
 MAGNAVOX
 MEMOREX
 PANASONIC
 PHILIPS
 RADIO SHACK
 RCA
 SEARS
 SONY
 SYLVANIA
 SYMPHONIC
 THOMAS
 ZENITH

CODE NUMBERS

107 109 144 147 158 041 145 013 020 140 034 040
 003 008 010 014 031 034 040 053 054 101
 058
 148
 014
 102 104 113 115 112 120 032 040 066 107 109 122 125
 022 043 048 135
 003 010 007 014 134 102
 017 037 112 129 131
 003 008 010 014 081 013 101 009 017 073 112
 149 054 031 159 165
 024
 034
 056 057 058 077 052 003 078 076 031 149 154
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 031 034 059 067
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 039 043
 034 039 043
 031 070
 031 019 034 101
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 006
 112 131 079 008 059 047 082 013 042 081
 040 101
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 012 034 046 141
 040
 003 013 017 024 031 034 040 053 054 131
 012 034 039 043
 072 080 056 048 101 034 058

BRAND

ADC
 ADCOM
 AIWA
 AKAI
 AMC
 AMEND
 AMX
 142
 335 336 337 338 339
 141 418 419
 342
 147
 135
 194 221 011
 021 196 207
 071
 167
 273
 134
 096 097
 070 170 224 347 409 459 460 532
 447
 023
 522
 006 028 061 071 201 214 226 180 185 022 029 077 284
 076
 140
 034 134
 148 272
 026
 537
 382
 076
 415 515
 002 034 109 215 229 230 027 037 234 259 330 340 341 349
 350 400 401 402 444 564
 466
 149
 057 290
 099 098
 368 381 451 452 453 454
 352
 047 214 180 182 297
 378
 062 231
 342
 056 260
 008
 174
 231 233 254 153 154 118 121 227 277 317 318 365
 020
 371
 197
 354 438
 398
 263
 076 216
 206
 058
 240 163 191 114 266 279 291
 JVC

CODE NUMBERS

007
 082 092 225 161 269 355 356 366
 170 018 104 202 203 213 211 188
 138 189
 125 126 127 128 258 281 282 038
 054
 196
 142
 335 336 337 338 339
 141 418 419
 342
 147
 135
 194 221 011
 021 196 207
 071
 167
 273
 134
 096 097
 070 170 224 347 409 459 460 532
 447
 023
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 006 028 061 071 201 214 226 180 185 022 029 077 284
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 350 400 401 402 444 564
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 057 290
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 368 381 451 452 453 454
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 231 233 254 153 154 118 121 227 277 317 318 365
 020
 371
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 354 438
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 263
 076 216
 206
 058
 240 163 191 114 266 279 291
 JVC

57	BRAND	CODE NUMBERS	BRAND	CODE NUMBERS	58
SAT	CABLEVISION / VOOM	148	ADCOM	062 042	CD
SAT/DVR	DIRECTV	173	AIWA	059 065 088 089 105 122 170 187	
	ECHOSTAR / DISH	122 167 168	AKAI	085 195 202	
	EXPRESSVU	122	AMC	231 232	
	GENERAL ELECTRIC	151 106 150	AMEND	118	
	GENERAL INSTRUMENT	148	ARCAM	238	
	GOI	122	AUDIO ACCESS	119 147	
	HITACHI	139 140	AUDIO EASE	165	
	HTS	122	AUDIO TECHNICA	046	
	HUGHES	161 162 068 154 165 166 108 117	BSR	037 057	
	JVC	122	CALIFORNIA AUDIO	103 008	
	LG	170	CAPETRONIC	063	
	MAGNAVOX	136	CARRERA	057 080	
	MEMOREX	136	CARVER	185 041 044 050 086 107 130 134 135 138 139 203 204 167	
	MITSUBISHI	068 154	CASIO	111 182	
	MOTOROLA	148	CLARINETTE	182	
	NEXT LEVEL	148	CREEK	159	
	PANASONIC	142 160	CROWN	035	
	PANSAT	172	DENON	002 123	
	PAYSAT	136	EMERSON	042 069 102	
	PHILIPS	152 153 156 068 154 136 108 117	FISHER	050 185 134 008	
	PROSCAN	151 106 150	FRABA	111	
	RADIOSHACK	148	GENEXXA	010 069 102	
	RCA	151 106 150	GOLDSTAR	080	
	SAMSUNG	123 155 163 169 175	HAITAI	093	
	SKY	164	HARMAN KARDON	018 033 047 208	
	SONY	103	HITACHI	042 175	
	STAR CHOICE	148	INKEL	130 143 144	
	TOSHIBA	127 068 154 157 158	JCPENNEY	014 061 092 141	
	UNIDEN	136	JENSEN	158	
	ZENITH	159	JVC	004 022 136 163 213 214 242 243	
	DVR-PVR, TIVO		KENWOOD	185 007 023 055 071 072 142 137 254	
	DISH	122	KOSS	061	
	ECHOSTAR	122	KRELL	241	
	HUGHES	108 117	KYOCERA	005	
	HUMAX	117 118	LOTTE	102	
	JVC	122	LUXMAN	011 028 070 076 249 252	
	PHILIPS	108 090 117	LXI	059	
	RCA	109	MAGNAVOX	044 107	
	REPLAY NETWORKS	075	MARANTZ	027 041 044 051 077 107 209 246	
	SONY	104 105	MCINTOSH	212 247	
	TIVO	090 117 118	MCS	014 073 092	
	TOSHIBA	117	MEMOREX	010	
			MISSION	044 107	
			MITSUBISHI	179	
			MITSUMI	153	
			MODULAIRE	182	
			MONDIAL	147	
			MYRYAD	244 155	
			NAD	006 005 067 178	
			NAKAMICHI	217 218 219 095	
			NEC	014 062	
			NIKKO	046	
			NSM	044 107	
			ONKYO	030 038 039 168 169	
			OPTIMUS	010 050 057 058 081 082 083 085 093 195	
			PANASONIC	103 201 172 008 068 248	
			PARASOUND	233 240	
			PHILIPS	041 044 107 246 253	
			PIONEER	010 020 025 056 174 175 176	



BRAND

PROCEED
 PROTON
 QUASAR
 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
 YORX

CODE NUMBERS

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

BRAND

DENON
 FUNAI
 KENWOOD
 MAGNAVOX
 MARANTZ
 MITSUBISHI
 NAD
 OPTIMUS
 PANASONIC
 PHILIPS
 PIONEER
 RADIO SHACK
 RCA
 REALISTIC
 RUNCO
 SANYO
 SHARP
 SONY
 TECHNICS
 THETA DIGITAL
 TOSHIBA
 YAMAHA

CODE NUMBERS

206 207
 120
 152 013
 032 121
 211
 121
 049 013
 113
 032
 106 117 121
 120
 002
 049
 127
 075
 152 013
 053 110
 113
 032
 152 106
 043 129

LDP

BRAND	CODE NUMBERS
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
MARANTZ	014 027 056 065 087
MCINTOSH	238
MITSUBISHI	242 243
NAD	029 048
NAKAMICHI	244 245 025
ONKYO	002 012 016 017 018 019 115
OPTIMUS	026 054 055
PANASONIC	007 010 032 088 195
PHILIPS	027 087
PIONEER	003 039 047 050 066 098 222
QUASAR	007 088
SANSUI	027 113 119 224
SHARP	026 057 131 175 181
SHERWOOD	038 004 028 030 033 034
SONY	020 022 052 084 089
TEAC	009 059 212
TECHNICS	007 010 076 088 109 122 193
TOSHIBA	112
VICTOR	106
YAMAHA	021 026 031 067 040

BRAND	CODE NUMBERS
3M	152
AIWA	164
APPLE	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
KENSINGTON	406
KENWOOD	185
KEYSPAN	297
MAKITA	186 201
MICROSOFT	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
XANTECH	168 169 170 171 172 188 189

BRAND	CODE NUMBERS
AUX-Media PC Controls	
DELL	261 262
GATEWAY	261 262
HAUPPAUGE	294 295
HP	261 262
KEYSPAN	297
SONY	261 262
TOSHIBA	261 262
WINBOOK	261 262
AUX - XBox Controls	
MICROSOFT/XBOX	408 107
AUX-iPod Controls	
APPLE/iPod	401

BRAND	CODE NUMBERS
3M	152
AIWA	164
APPLE	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
KENSINGTON	406
KENWOOD	185
KEYSPAN	297
MAKITA	186 201
MICROSOFT	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
XANTECH	168 169 170 171 172 188 189

BRAND	CODE NUMBERS
TAPE / PHONO / LIGHT	

BRAND	CODE NUMBERS
3M	152
AIWA	164
APPLE	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
KENSINGTON	406
KENWOOD	185
KEYSPAN	297
MAKITA	186 201
MICROSOFT	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
XANTECH	168 169 170 171 172 188 189

BRAND	CODE NUMBERS
AUX-Media PC Controls	
DELL	261 262
GATEWAY	261 262
HAUPPAUGE	294 295
HP	261 262
KEYSPAN	297
SONY	261 262
TOSHIBA	261 262
WINBOOK	261 262
AUX - XBox Controls	
MICROSOFT/XBOX	408 107
AUX-iPod Controls	
APPLE/iPod	401

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NOTES

NOTES

NOTES

CODE NUMBERS

409
406

BRAND

BOSE
KENSINGTON

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AUX

CODE TABLES

Frequently Asked Questions

What is a "macro" button?

A "macro" is a button on the RF30 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 RF30 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 26-29 in this Manual.

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

No. The RF30 stores all of your settings in non-volatile FLASH memory. You could remove the batteries for months, replace them at your convenience, and the RF30 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™ RF30 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 - 1200 IR commands at standard frequencies (15kHz to 100kHz)

Macro Capability - 658 Macros of up to 190 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: 1.38" x 1.88"

RF30

MasterControl™

OWNER'S MANUAL

simply the MOST powerful™



UNIVERSAL[®]
remote control

500 Mamaroneck Avenue
Harrison, NY 10528
Phone: 1-914-835-4484
FAX: 1-914-835-4532

www.universalremote.com
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