

automator™

THE POWER OF SIMPLE.™

2000

URC-200

Owner's Manual

A GREAT REMOTE FOR ENTHUSIASTS!



Universal Remote Control®

Thank You!

Thank you for purchasing the Automator™ URC-200 Pre-Programmed and Learning Remote Control. The DVD tutorial supplied with the Automator demonstrates the process of programming and automating a home entertainment system. Watch the DVD first to familiarize yourself with the capabilities of the Automator and the process of programming. This manual is designed to assist you step-by-step as you program the Automator to replace all of your remote controls and automate your home entertainment system.

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Table of Contents

Getting Started	2
Button Layout	3
Basic Set Up	5
Pre-programmed Standard Method	5
Pre-programmed Scan Method	9
Learning Method	10
Punch Through Volume Control	13
Advanced Operation	15
Advanced Set Up	17
Editing Button Labels	17
Macro Button Setup	20
Favorite Channel Setup	22
Hiding/Adding Pages	24
Erasing Mistakes	26
Cloning One Automator to Another	28
Recalling Three Digit Pre-Programmed Codes	29
Expanding Via the Expander	30
Pre-Programmed Code Notes	32
Pre-Programmed Code Tables	33
Frequently Asked Questions	48
Specifications/Warranty	49

Getting Started

Congratulations!

You've purchased one of the most advanced control systems available! The Automator comes pre-programmed with over one thousand devices. All you have to do is set the Automator to the brand and model of each of your components. You'll find instructions for quick set up on page five.

In addition, the Automator buttons can also learn any button from any remote control.

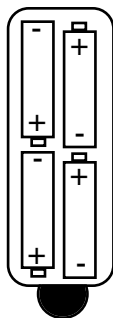
The Automator's many exciting advanced features will help you enjoy the home entertainment experience. As an example, by using Macro programming, you can power on all of your components and start the show with the press of one button! You can even program your favorite channels to tune in with the press of one button instead of entering the channel number each time.

The Automator's features can help you make operating your home entertainment system fun and easy for everyone in your family.

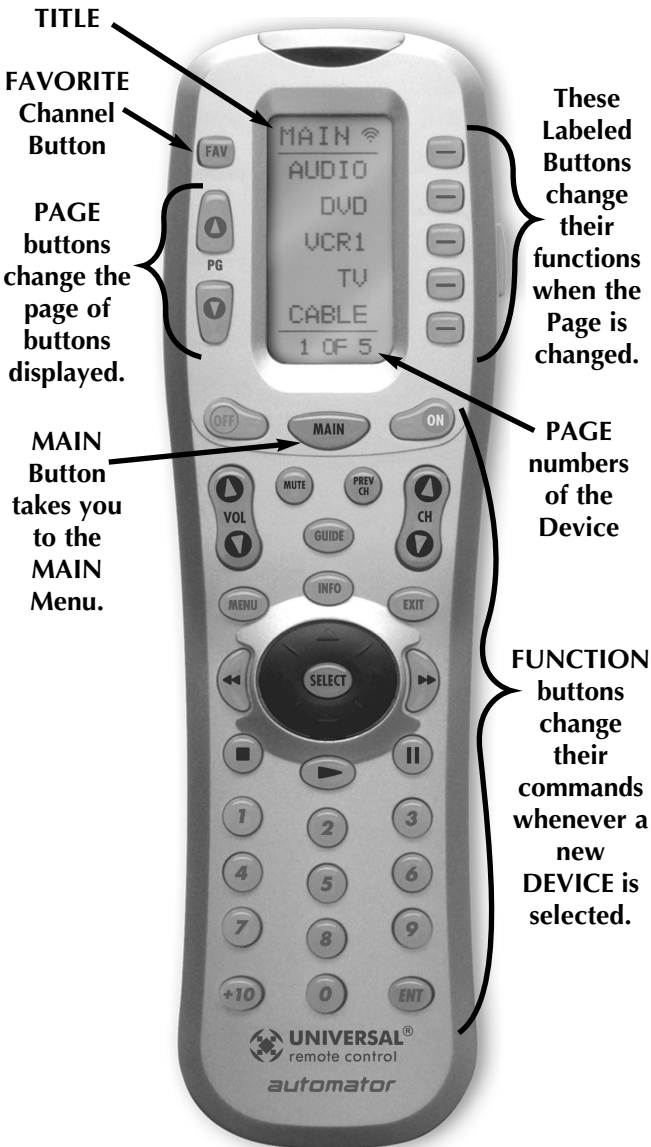
We hope you will review this manual carefully and take full advantage of all the Automator has to offer.

Battery Installation

Remove the battery compartment cover by pressing up the cover lock. Insert four AAA batteries into the battery compartment as shown in the diagram.



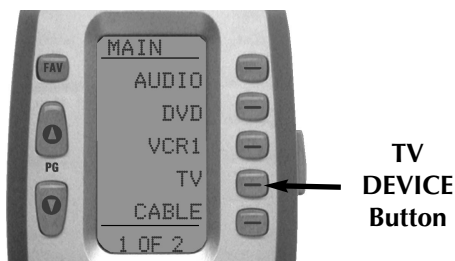
Button Layout



The Automator

Selecting a New DEVICE Changes All Button Commands Instantly

The Automator can operate ten different devices even though it is only one remote control. Let's try it now! Press the MAIN button, then press the TV Device button.

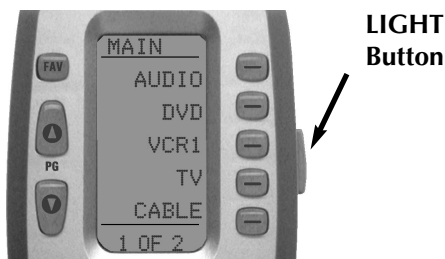


The TITLE changes to TV. Now all of the buttons are dedicated to TV functions. If you press the PAGE buttons, you can see that the TV DEVICE has a total of five pages. If you go back to the MAIN Menu by pressing the MAIN button, then select any of the other ten DEVICES, each of which contains five pages total.

In the next few pages, you'll set up the Automator to control all the devices in your home theater system!

Light Button

The LIGHT button will backlight all the buttons. Pressing it again will turn off the light, or just wait ten seconds (the backlighting automatically shuts itself off).



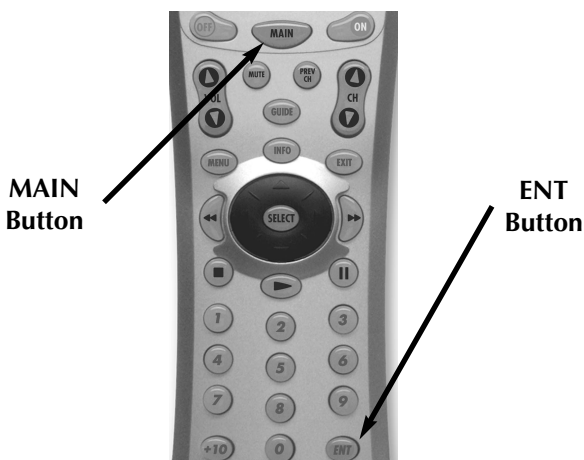
Basic Set Up

You can set up your Automator using either the learning or the pre-programmed method. Because all the buttons can be set up in one quick operation rather than one button at a time, we recommend you start with pre-programmed set up before you do any learning.

Pre-Programmed Standard Method

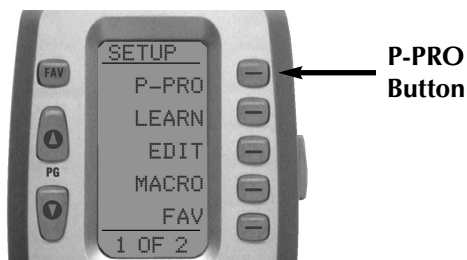
- 1 Turn on the component you wish to set up in your Automator (TV, VCR, DVD, etc.)
- 2 Look up the code table shown on pages 33 - 49 and take note of the three digit codes listed for your component and brand.
- 3 Press and hold the MAIN and ENT (Enter) buttons at the same time for approximately three seconds. The top of the display screen will show "SET UP". You are in SET UP mode now.

Note: You have 30 seconds to perform a step while you are in SET UP mode. If you don't press a button within that time, the Automator will time out and return to normal operation.

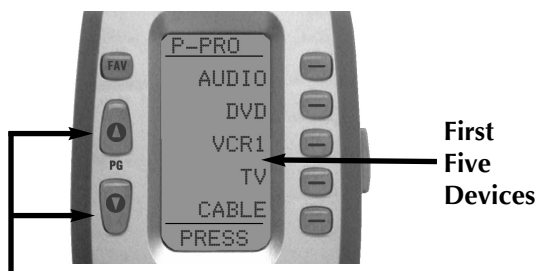


The Automator

- 4 Press the P-PRO button to select the Pre-Programmed Code method.



- 5 The display will show a list of the first five devices.



Pressing the Page Up or Down button will display a list of the next five devices.

- 6 Move the blinking cursor to the device you wish to program by using the cursor UP or cursor DOWN button shown below, then press SELECT.

For Example: If you want to program your TV, make "TV" blink by pressing the cursor up or down, then press the SELECT button.

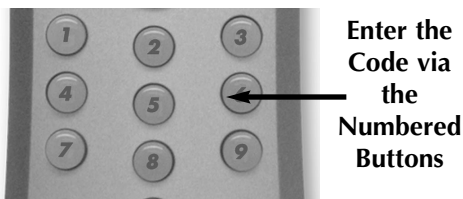


- 7 The bottom of the display should now be flashing FROM TABLE. This prompts you to select the CODE TABLE via the Cursor and SELECT buttons.

For Example: Let's pretend you are programming a TV. You would find the the three digit codes for Televisions in the TV CODE TABLE. So you would press the cursor buttons until "TV" is flashing, then press the SELECT button. This selects the TV CODE TABLE. Now you are ready to test codes!



- 8 Point the remote control at the component, then enter the first three digit code number from your notes using the numbered buttons. Continue to enter codes until the component powers off.

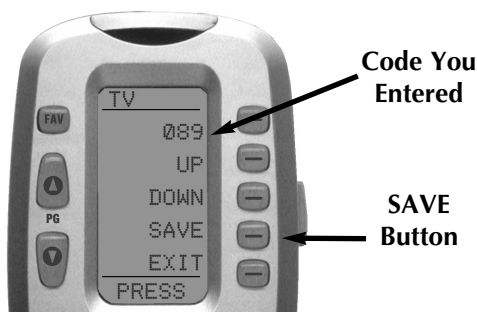


For Example: Let's pretend you have a Sony TV. You would find the the three digit codes 070, 139,147, 126, 185, 194 and 085 under Sony in the TV CODE TABLE. Using the numbered buttons on the Automator, enter the 070 and watch the TV. If it doesn't turn off, enter 139, then try 147 and so on.

Note: *If none of the codes turn off the component, you should try the Scan Method (see page 9).*

The Automator

- 9 When the component turns off, save the code number you entered by pressing the SAVE button that appears on the screen.



- 10 Exit SET UP mode by pressing the MAIN button two times. When the display shows "MAIN", you are back in normal operating mode. Now it's time to test the all the buttons. If some buttons don't work, try another three digit code to see if it gives better operation.

For Example: My Sony TV powers off with code 139. However after trying 139, not all buttons work. I repeated steps 1 to 10 trying other code sets and eventually discovered that the 185 code set operates ALL my buttons.

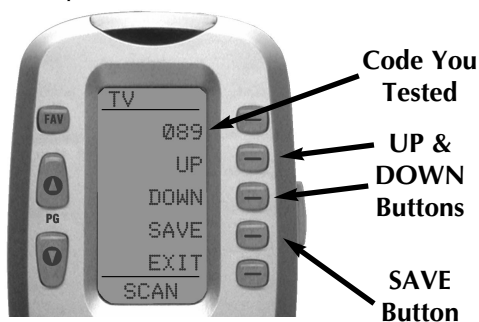
- 11 Repeat steps one through ten for each of your devices. In most systems, you can finish basic programming in just a few minutes and put all your old remote controls away. Once you have finished all of the devices, you can move on to page 13 to set up your volume punch through.

If you can't find any code that powers off a component, try the Scan method on the next page. If you are missing one or two commands, use the learning method on page 10.

Pre-Programmed Scan Method

If none of the codes listed for your brand in the Code Table powered off your component, you can scan the entire Code Table for a working code set. Often a code set for another brand will operate a device (some brands contract manufacture for other brands). Here's how to scan an entire Code Table:

- 1 to 8 Put the Automator in Setup Mode and select P-PRO, then the Device you'd like to program, then the Code Table you want to scan. This is described in steps one through eight of the Standard Method on pages five through seven.
- 9 When you see the P-PRO display shown below (we used TV as an example), use the UP or DOWN buttons instead of entering the three-digit code. You'll see the code number on the display change as you press the either UP or the DOWN button. Each time the number changes, you've tested another power off command.



- 10 Watch your component. When it powers off, press the SAVE button to save the code you tested. Press the MAIN button twice to return to normal operating mode and test all the buttons. Use the learning method described on the next page to correct any problems.

The Automator

The Learning Method

The Automator can learn commands from your old remote controls one at a time, via this simple process:

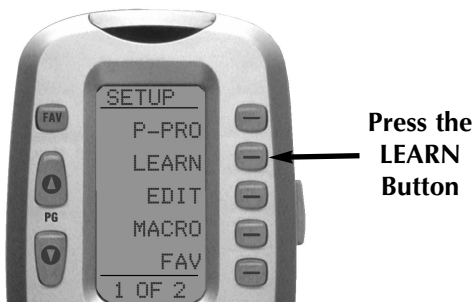
- 1 Line-up the Automator with your old remote control, head-to-head, one or two inches apart.



- 2 Press and hold the MAIN and ENT (Enter) buttons at the same time for approximately three seconds. The top of the display screen will show "SET UP". You are in SET UP mode now.

Note: You have 30 seconds to perform a step while you are in SET UP mode. If you don't press a button within that time, the Automator will time out and return to normal operation.

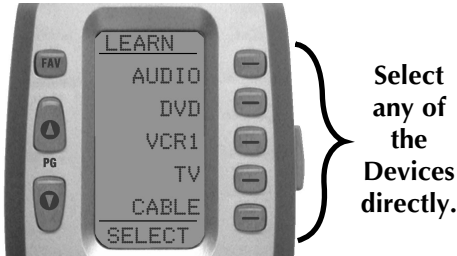
- 3 Press the LEARN button to select the Learning method.



The top of the display screen will change to "LEARN".



- 4 The display will show a list of the first five devices.
- 5 Select the device you'd like to teach a few commands to by pressing the Device button directly.



- 6 Now, navigate to the page you want and press any button you want to teach a command to.



Note: The only buttons you can't teach are the PAGE, MAIN and FAV buttons.

Once you select a button, the top of the screen will change from "LEARN" to "READY".



The Automator

- 7 Press and hold the button on your old remote control until the display changes to "RETRY".

Press and hold the same button on your old remote control once again.

Note: DoubleTap learning is exclusive Automator technology bringing you the most reliable operation.

Once you have taught the button twice, the display will change to either "GOOD" or "FAILED".



If the "GOOD" label appears on top of the display and "SAVED" flashes on the bottom, you were successful. Now, you can select another button to teach.



If the "FAILED" label appears on top of the display screen, try to teach the same button in Automator once again by repeating steps six and seven.

- 8 Continue to teach any commands from any of your remote controls by repeating steps five, six and seven (to go back to step five, press MAIN once).
- 9 Once you completed teaching all the buttons you wish, return to normal operation by pressing the MAIN button twice. Test all your new commands, if any of them don't work, try learning again using these notes:

Move to another room. Plasma TVs, sunlight, halogen or quartz lighting can interfere with the learning process.

Although the old remote control seems to work fine, change the batteries to fresh alkaline batteries.

Vary the distance between the remote controls gradually. Try 1/4", 1", 2" and so on, up to 4 feet.

Tap the button on the original remote control instead of pressing and holding it during the learning process.

Punch Through Volume Control

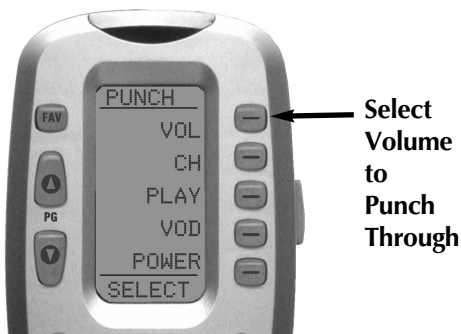
The one feature that will really make life easy for you and your family is Punch Through. It's worth setting up right away! In most home entertainment systems, the sound volume is controlled by only one device. In some systems it is the TV device that controls the sound; in others it would be the AUDIO device (for the A/V surround sound receiver).

Now, imagine you are watching a DVD, so the Automator is set to operate the DVD. If you want to lower the volume you have to press MAIN, then the device that controls the sound (TV or AUDIO), then the Volume Down button. After you adjust the volume, you would have to press MAIN, then the DVD device button to get back to your DVD controls!

This is very inconvenient. You can fix this very quickly by using Punch Through.

Punch Through Volume Control Set Up

- 1 Enter Set Up mode by pressing MAIN and ENT, then select PUNCH from page 2 of Set Up. (Use one of the PAGE buttons to get to page 2).
- 2 The display changes to "PUNCH". Press VOL to program Volume Punch Through.



The Automator

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



**Select
the Device
you want to
"Punch To"**

Note: If you wish to PUNCH to the MAIN device, press the POWER OFF button at this time.

- 4 The bottom of the display will then flash "PUNCH FROM". Now you select the device that has the volume commands you want. The bottom of the display will flash "SAVED".
- 5 Repeat steps one to three until all your devices operate the volume perfectly. Press the MAIN button twice to return to normal operating mode and test your Punch Through programming.

Note: The Punch Through feature is not limited to volume and can also be applied to channel or other functions. If you find yourself switching to a particular device 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 and Prev. Channel

PLAY - Play, Stop, Pause, Rewind and Fast Forward

VOD - Guide, Menu, Info, Exit, Up, Down, Left, Right, Select

POWER - Power On and Power Off

Advanced Operation

Setting Backlight Options

You can adjust the amount of time that the Automator backlight stays on by entering the SET UP mode and proceeding to page two and press the LIGHT button on display. Simply enter the duration time from 0 - 99 seconds using the number pad. After making your selection, press the SAVE button.

If you do not want the backlight feature activated, press the ON button that appears on the display screen. The ON will automatically change to OFF. Press the SAVE button. Exit the programming mode by pressing the MAIN button.

The FAV Button

When you press the FAV button, the screen changes to a list of your favorite TV channels. You can automate channel surfing by recording the channel numbers for your favorites with one touch. There are eight pages of five favorite channel buttons for a total of 40. Simply touch the PAGE buttons to display the other favorite channels. When you would like to return to the last device you viewed, press MAIN once (a second press will take you to the MAIN menu).



To set up your Favorite Channel buttons go to page 24.

The Automator

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.



Contrast set low.



Contrast set high.

Transmitting (Busy Signal) Icon

When a command is being transmitted, an icon will appear in the top right corner of the display. It is a useful aid when setting up Macros and FAVs, since it flashes with every step of a sequence of commands.



Advanced Set Up

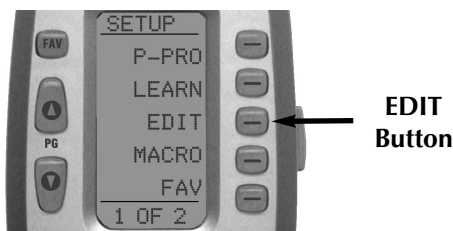
After you've finished all your basic programming, you can choose to make operation easier for everyone by customizing the Automator just the way you want, using the Advanced Set Up features described in this section.

Editing Button Labels

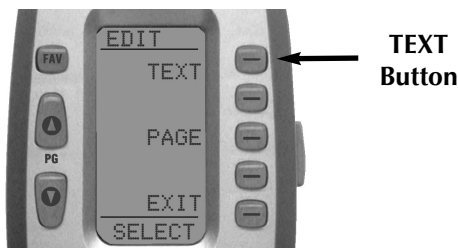
You can change the name of any of the screen labeled buttons (including Favorite Channels) by following these steps:

① Enter the SET UP mode by pressing and holding MAIN and ENT. As usual, you have 30 seconds.

② Press the EDIT button.



③ The screen changes to the EDIT menu. Press the TEXT button.

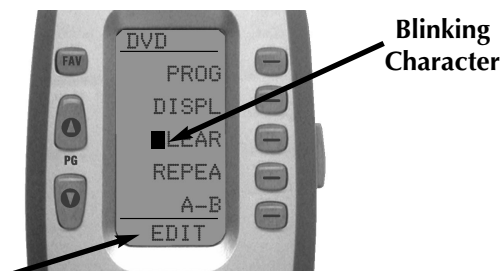


The Automator

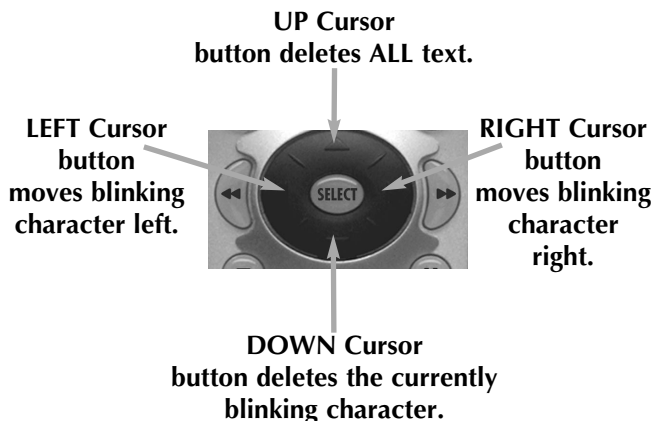
- 4 The screen displays the MAIN menu of devices while flashing "EDIT" at the top of the screen. Navigate to the device and page where there is a button label you want to edit using the FAV, MAIN, DEVICE, and PAGE buttons.

Note: If you wish to change the name of one of the DEVICE buttons, press the Page Up button twice. The top of the display changes to MAIN, and you can navigate to MAIN page 1 or page 2 before going on to Step 5.

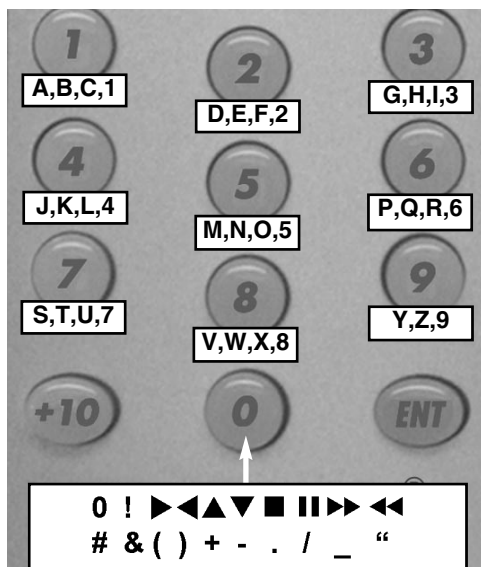
- 5 Press the button you want to edit. The first character of your button label blinks.



EDIT flashes at the bottom of the screen.



- 6 Enter text using the number buttons shown below. Each press of the SAME number button steps through the characters available (as shown below). Once the character you want appears, move to the next space by pressing the Right cursor button.



- 7 When you are finished editing the button, press the button you edited and "SAVED" will flash at the bottom of the display.
- 8 To change any other button labels, press the MAIN button once to return to Step 4. Repeat Steps 4 to 8.

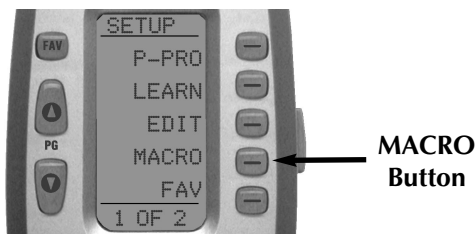
Press the MAIN button four times to return to normal operation.

Macro Button Set Up

Imagine pressing just one button but watching your TV turn on, then the DVD player and then the A/V surround sound receiver. What would normally take three remotes and three button pushes, the Automator can accomplish with the press of one button. We call that a "Macro". Any labeled button, the Power On or the Power Off buttons (on any Device or Page) can be set to be Macro buttons!

To set up a macro button, follow these easy steps:

- 1 Enter the SET UP mode by pressing and holding MAIN and ENT. As usual, you have 30 seconds.
- 2 Press the MACRO button.



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

- 3 Navigate to the Device and Page where there is a button you would like to set as a Macro button using the MAIN, DEVICE and PAGE buttons.

Note: If you wish to set up one of the DEVICE buttons as a macro, press the Page Up button twice. The top of the display changes to MAIN, and you can navigate to MAIN page 1 or page 2 before going on to Step 4.

- 4 Press the button you want to set as a Macro button. The top of the screen will display the label of the button you selected. At the bottom of the screen it displays "STEP0", indicating that no macro steps are set up yet.
- 5 Now you navigate to the Device and Page that has a button you want in your macro using the MAIN, DEVICE and PAGE buttons. When you press a button, you set another Macro step. The display at the bottom will flash the total number of steps you have set up in this macro button.

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!

Note: You can program delays in between commands by pressing the PAUSE button. Each press adds half a second to the delay.

- 6 Press the LIGHT button to end your macro. A new screen appears:



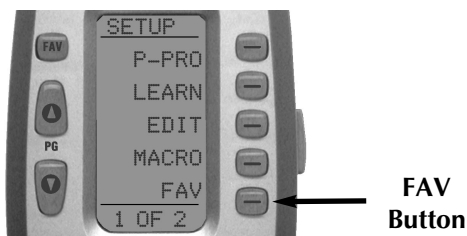
- 7 If you are happy with your macro, press the SAVE button. If not, the UNDO button lets you erase the last step. The EXIT button erases all the macro steps.
- 8 Press the MAIN button twice to return to normal operation.

Favorite Channel Setup

Imagine surfing all your favorite channels, without ever typing in a channel number. By simply setting up each of the FAV channel buttons to surf for you, you can really make cable or satellite operation fun and easy.

To program a FAV button, follow these easy steps:

- 1 Enter the SET UP mode by pressing and holding MAIN and ENT. As usual, you have 30 seconds.
- 2 Press the FAV button.



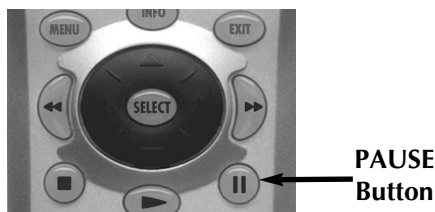
The top of the display screen will show “FAV”. The bottom of the display screen will flash “SELECT”.

- 3 Use the Page buttons until you can see the name (i.e. ABC, CBS, NBC) of the favorite channel you would like to set up.
- 4 Press the favorite channel button you’d like to set up. The top of the screen now displays its name. The bottom of the screen displays “STEP0”, indicating that you haven’t set any steps for the channel numbers yet.
- 5 Press the Device button that has the commands you use to tune in the channel.

Note: You probably set up either the TV, CABLE or SAT DEVICE with the actual channel number commands).

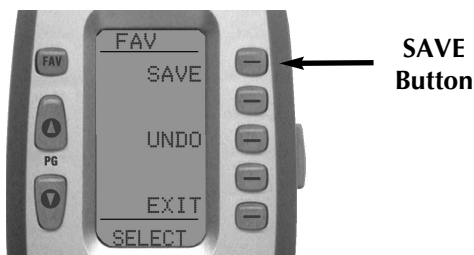
- 6 Press each of the number buttons for the channel.

Note: If you are programming a channel that has the same numbers in it (like "33" or "522") it is sometimes best to set a half second delay in between the identical numbers by pressing the PAUSE button. Each press of the PAUSE button increases the delay by a half second.



Note: Some brands of television require an ENT(Enter) command after the channel numbers.

- 7 Press the LIGHT button after you enter the channel number. A new screen appears:



- 8 To save the channel you entered, press the SAVE button. The UNDO button lets you erase the last entry. The EXIT button erases the entire channel.
- 9 When you are finished setting up FAV buttons, press the MAIN button twice to return to normal operation.

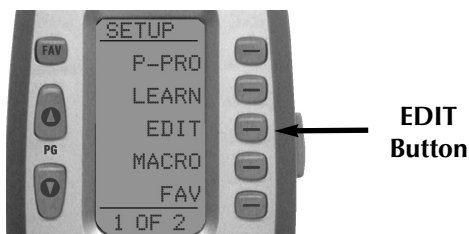
Hiding/Adding Pages

Each of your Automator Devices actually contains eight pages. However, only five pages are visible now (in the factory default setting). Three pages are hidden in each device. If you wish to use the hidden pages, you can ADD them. If you don't want to use some of your existing pages, you can HIDE them. You can add or hide pages on devices OR on your favorite channel pages.

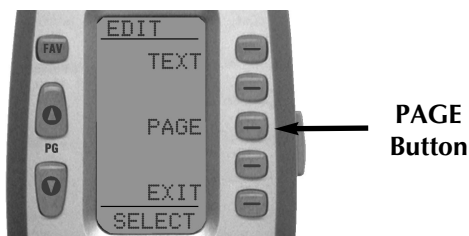
Note: Be sure to program a macro before you hide pages with macro commands on them. You can't access hidden pages during macro programming, but it is fine to hide a page with macro steps on it afterwards.

Hiding and Adding Pages

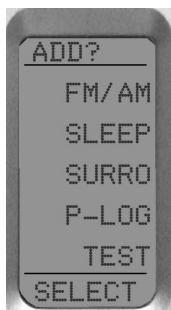
- 1 Enter the SET UP mode by pressing and holding MAIN and ENT. As usual, you have 30 seconds.
- 2 Press the EDIT button.



- 3 Press the PAGE button.



- 4 Each page asks whether you want to ADD? or HIDE? at the top of the page. Navigate to any page, using the MAIN, FAV, and PAGE buttons.
- 5 When you would like to change a page's visibility, press the LIGHT button.



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



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

- 6 You can continue adding or hiding pages on other devices by repeating Steps 4 and 5. To return to normal operation, press the MAIN button four times.

Erasing Mistakes

You can erase an individual button with a learned command, a macro or a favorite channel. You can erase an entire Device's learned command or macro buttons. You can also erase ALL your learned commands on all devices or all your macros or favs everywhere. You cannot erase a pre-programmed button, but you can replace one by teaching a command.

If you really want a fresh start, you can even erase everything (including all your pre-programmed buttons).

Erasing Learned Buttons, Macros or Favs

- 1 Enter the SET UP mode by pressing and holding MAIN and ENT. As usual, you have 30 seconds.
- 2 Press the PAGE UP button to display page two of Set Up.
- 3 Press the ERASE button.
- 4 Press either the LEARN, MACRO or FAV button. The following screen appears:



ALL — Erases all of the specified (Learned, Macro or FAV) buttons everywhere in the Automator.

DEVICE—Erases all Learned or Macro buttons in a Device (this option doesn't appear for FAVS)

KEY—Erases one button only.

- 5 If you pressed the ALL display button, the Automator display screen will ask you if you are sure.



If you wish to erase all, press the **SURE** button.

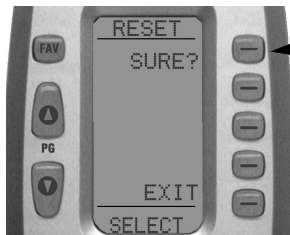
If you pressed the DEVICE display button, a list of Devices will appear. Press the device button that you wish to erase. The bottom of the screen will flash ERASE twice, then ERASED.

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

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

Erasing the Entire Automator

To erase EVERYTHING, press and hold both the MAIN and the STOP buttons for 15 seconds. After 15 seconds, the RESET screen appears. If you press the SURE button, the Automator will reset itself to the factory default configuration, erasing all of your work!



Press the **SURE** button to reset the Automator to factory default condition.

Cloning (Copying) The Automator

If you own two or more Automators, you can copy and transfer all the programming from one to another Automator. Just follow these easy steps:

- 1 Enter the SET UP mode by pressing and holding MAIN and ENT. As usual, you have 30 seconds.
- 2 Go to page 2 of the SET UP menu via the PAGE UP button.
- 3 Press the CLONE button.
- 4 Align the two remote controls head-to-head, about an inch apart.



- 5 Press the RECV display button on the new remote control you would like to program by cloning.
- 6 Press the SEND display button on the remote control you previously programmed.
- 7 Press the START button on the new remote control and then press the START button on your programmed remote control.

Note: Typically cloning takes about 40 seconds.

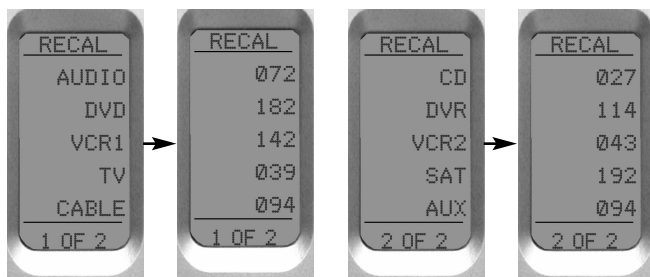
After completion, the cloned remote control will flash "GOOD".

- 8 Return to normal operation by pressing the MAIN button twice.

Recalling the Pre-Programmed Three Digit Code Number

If you didn't write down the three digit codes you set up your Automator with, you can recall them via this simple process:

- 1 Enter the SET UP mode by pressing and holding MAIN and ENT. As usual, you have 30 seconds.
- 2 Go to page 2 of the SET UP menu via the PAGE UP button.
- 3 Press the RECAL button. The display changes to the recall screens. They alternately flash all of the three digit codes for the first five devices, then all of the three digit codes for the second five devices as follows:



Note: You can keep track of which of the two pages you are looking at via the page numbers at the bottom of the screen.

- 4 Write down the three digit codes as they appear. Page 32 of this manual is set up for your notes.
- 5 Return to normal operation by pressing the MAIN button twice.

Expanding With the Expander

You can use the Automator as you would your other remote controls. It transmits very powerful line-of-sight output using infrared light commands (invisible to the naked eye). Typically, when you use the Automator line of sight like this, expect a range of between 30 and 50 feet when it is pointed at the components. When the remote is not pointed in the general direction of the components, the range will vary (depending on reflective surfaces, lighting, etc.).

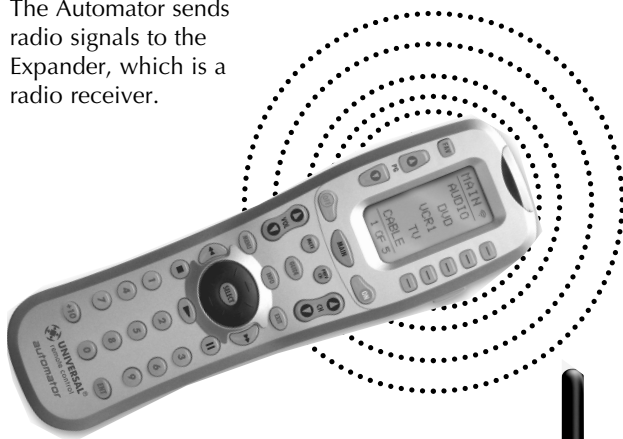
However, the Automator also sends omnidirectional radio signals compatible with the MRF-100 Expander kit. By purchasing the optional Expander kit, you can operate your equipment with the Automator 50 to 100 feet away (through walls, doors, cabinets, inside or outside). Since the Expander picks up the Automator's radio signals from any direction, regardless of distance, *you don't have to point* the Automator at all.

Nothing has to be done to the Automator for this feature to work. Every time you press a button on the Automator, it sends both a standard infrared AND a radio command. If you install the Expander kit, the MRF-100 will receive the Automator's radio signals and translate them into the infrared commands that control your components.

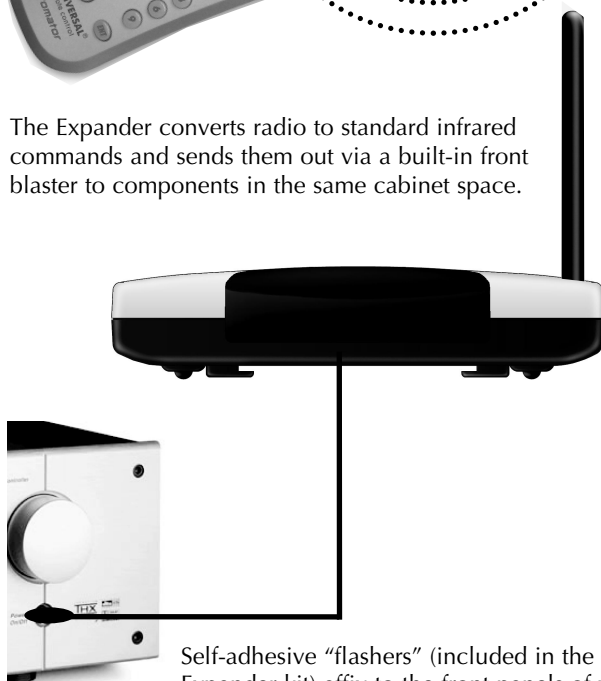
Note: *The Automator's radio signals will not control components directly. You must have an Expander to receive the Automator's radio signals. Components that came with "no pointing" radio remote controls cannot be operated by the Automator unless the component can be switched to standard infrared control via its internal menus. Some remote control ceiling fans are radio only and cannot be operated by the Automator.*

U R C - 2 0 0

The Automator sends radio signals to the Expander, which is a radio receiver.



The Expander converts radio 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 Expander kit) affix to the front panels of your components. The flashers relay infrared commands to components out of sight of the MRF-100 front blaster. The flashers plug into the MRF-100 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

VCR1

TV

CABLE

CD

DVR

VCR2

SAT

AUX

Pre-Programmed Code Tables

The Automator's built in library of remote control commands is classified by category (TV, VCR, DVD etc.) and by brand (Sony, B & K, Panasonic, etc.). You simply find the correct category, then the brand you own. Often there will be more than one three digit code for you to try. Just circle the correct row and refer to it while programming (step-by-step instructions for using three digit codes).

If you have a brand that doesn't appear or if you have already tried all of the listings for your brand, it may be that the component is actually manufactured by another company. Because the Automator library includes many codes from manufacturers who make components for other companies, you may find that a search of the pre-programmed codes for a particular category will be successful by using the Code Scanning method, refer to the Basic Programming section for instructions.

Amps, Preamps and A/V Receivers	Pages 34-35
DVD Players and TV/DVD Combo	Page 36
DVD Players and Laser Disc Players	Page 37
VCRs and TV/VCR Combo	Pages 38-39
TVs, Plasmas, Projectors, Monitors	Pages 40-42
Cable Descramblers/Tuners	Pages 42-43
CD Players and Changers	Pages 44-45
Satellite Receivers, PVR and DVR	Page 46
Tape Decks, Lighting Control and custom products includes multi-zone controllers, line doubblers, video processors, remote controlled screens and automation systems.	Pages 46-47

AUDIO - Amps, Preamps and Receivers

BRAND	THREE DIGIT CODE NUMBERS
ADC	007
ADCOM	082 092 225 161 269 355 356 366
AIWA	170 018 104 202 203 213 211 188
AKAI	138 189
AMC	125 126 127 128 258 281 282 038
AMEND	054
AMX	196
ANGSTROM	142
ANTHEM	335 336 337 338 339
ARCAM	141
ATLANTICTECH	342
AUDIO ACCESS	147
AUDIOALCHEM	135
AUDIO DESIGN	194 221 011
AUDIO EASE	021 196 207
AUDIO FILE	071
AUDIO MATRIX	167
AUDIOSOURCE	273
AUDIO TECHNI	134
B & K	096 097
BOSE	070 170 224 347
BRYSTON	023
CARVER	006 028 061 071 201 214 226 180 185 022 029 077
	284
CASIO	076
CHIRO	140
CINEMA SOUND	034 134
CITATION	148 272
CLARION	026
COMPAQ	382
	076
CURTISMATHE	002 034 109 215 229 230 027 037 234 259 330 340
	341 349
DENON	350
EIGER	149
ELAN	057 290
ENLIGHTAUDIO	099 098
ESCIENT	368
FANFARE	352
FISHER	047 214 180 182 297
FLEXTRONICS	378
FOSGATE	062 231 342
GE	056 260
GOLDSTAR	008
HAFLER	174
HARMAN KARD	231 233 254 153 154 118 121 227 277 317 318 365
HITACHI	020
IMERGE	371
INKEL	197
INTEGRA	354
JBL	263
JCPENNEY	076 216
JEFFROWLAND	206
JENSEN	058
JVC	240 163 191 114 266 279 291
KENWOOD	026 066 145 146 181 190 197 192 182 199 151 222 180

AUDIO - Amps, Preamps and Receivers (cont.)

BRAND	THREE DIGIT CODE NUMBERS
KENWOOD	005 280 374
(continued)	
KINERGETICS	220 140
KLH	331
KOSS	216
KRELL	150 072 376
KYOCERA	007
LEXICON	120 235 236 237 357 358 359 360 361 362 363 364
LINN	124 377
LUXMAN	137 139 052 165 115 004 009
LXI	076 056
MAGNAVOX	086 164 152 208
MARANTZ	006 028 031 040 063 185 186 251 265 119 289 296
MCINTOSH	238 286
MCS	076
MERIDIAN	100 012 013
MITSUBISHI	242 243 204
MONDIAL	157 158 042 043 081 112
MYRYAD	276 293
NAD	186 113 283
NAKAMICHI	111 244 245 172 183 287
NEC	176
NIRO	343
ONKYO	017 046 064 107 108 187 079 080 090 179 209 270 275
OPTIMUS	026 041 138
OUTLAW	342
PANASONIC	032 195 219 177 292
PARASOUND	129 130 132 261 294 295 333 334
PHAST	196
PHILIPS	249 250 251 063 119
PIONEER	014 033 039 044 045 050 069 159 168 116 035 078 198
POLKAUDIO	029
PROCEED	144 268
RCA	010 048 117 156 067 288
REALISTIC	019 056 073 075 095
REQUEST	351
REVOX	162
ROTEL	074 083 085
SAMSUNG	016
SANSUI	040 048 110 119 065 228
SANYO	047 059
SCOTT	019 091
SEARS	076
SHARP	026 094 131 175 181
SHERWOOD	024 038 055 102 103 105 106 051 030
SONY	018 093 223 247 248 160 166 015 101 184 218 271 353
SOUNDESIGN	369 372
SOUNDMA-	036
TRS	375
SNDSTREAM	084 088
SSI	068
SUMO	171
SUNFIRE	344 345 346
TAEKWANG	138
TEAC	005 019 049 111 212 217
TECHNICS	122 176 193 219 178 177 200 257 262

DVD - DVD Players and Changers

BRAND	THREE DIGIT CODE NUMBERS
AIWA	146
ALPINE	098
APEX DIGITAL	087 111 115
DENON	007 080
FUNAI	143
GE	026 027
GOVIDEO	137
HARMAN	084 140
KARDON	
HITACHI	101
INTEGRA	142
JVC	012
KENWOOD	151
KLH	135
KRELL	104
LEXICON	148
LG	091 057 074
MAGNAVOX	066 096
MARANTZ	083 095
MERIDIAN	153
MITSUBISHI	017
MYRYAD	102 134
NAD	088
NAKAMICHI	103
ONKYO	076 035
PANASONIC	021 042 138 139 144 150
PHILIPS	066 083 095 105
PIONEER	023 092 099 107 108 131
PROCEED	086
PROSCAN	026 027
RCA	026 027
SAMSUNG	056 070 119
SANSUI	154
SANYO	147
SHARP	094
SONY	033 118 145
SYLVANIA	143
SYMPHONIC	143
TATUNG	102
THOMPSON	026 027
TOSHIBA	035 034 130 141
VENTURER	149
YAMAHA	042 089
ZENITH	057 074 091

DVD - Laser Disc Players

BRAND	THREE DIGIT CODE NUMBERS
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	120
SHACK	002
RCA	049
REALISTIC	127
RUNCO	075
SANYO	152 013
SHARP	053 110
SONY	113
TECHNICS	032
THETA DIGITAL	152 106
YAMAHA	043 129

DVD - DVD Players and Changers

BRAND	THREE DIGIT CODE NUMBERS
AIWA	146
ALPINE	098
APEX DIGITAL	087 111 115
DENON	007 080
FUNAI	143
GE	026 027
GOVIDEO	137
HARMAN	084 140
KARDON	
HITACHI	101
INTEGRA	142
JVC	012
KENWOOD	151
KLH	135
KRELL	104
LEXICON	148
LG	091 057 074
MAGNAVOX	066 096
MARANTZ	083 095
MERIDIAN	153
MITSUBISHI	017
MYRYAD	102 134
NAD	088
NAKAMICHI	103
ONKYO	076 035
PANASONIC	021 042 138 139 144 150
PHILIPS	066 083 095 105
PIONEER	023 092 099 107 108 131
PROCEED	086
PROSCAN	026 027
RCA	026 027
SAMSUNG	056 070 119
SANSUI	154
SANYO	147
SHARP	094
SONY	033 118 145
SYLVANIA	143
SYMPHONIC	143
TATUNG	102
THOMPSON	026 027
TOSHIBA	035 034 130 141
VENTURER	149
YAMAHA	042 089
ZENITH	057 074 091

DVD - Laser Disc Players

BRAND	THREE DIGIT CODE NUMBERS
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	120
SHACK	002
RCA	049
REALISTIC	127
RUNCO	075
SANYO	152 013
SHARP	053 110
SONY	113
TECHNICS	032
THETA DIGITAL	152 106
YAMAHA	043 129

TVs, Projectors, Plasmas and Monitors

BRAND	THREE DIGIT CODE NUMBERS
ADMIRAL	072 081 161 160
ADVENT	247
AKAI	197 146 248
A MARK	112 143
AMPRO	167 073 157 183
AMSTRAD	052
ANAM	043 054 056 080 112 131
AOC	197 004 112 058
AUDIOVOX	076
BARCO	233
BLAUPUNKT	088
BROKSONIC	238
CAIRN	201
CANDLE	197 002 003 004
CAPEHART	058
CETRONIC	043
CITIZEN	197 002 003 004 043 101 103 143
CLASSIC	043
CONCERTO	004
CONTEC	043 050 051
CORONADO	143
CRAIG	043 054
CROWN	043 143
CURTIS MATH	197 101 004 143
CXC	043
DAEWOO	004 016 043 044 076 103 114 125 127 143
DAYTRON	004 143
DREAMVISION	235
DWIN	177
DYNASTY	043
DYNATECH	062
EIKI	187
ELECTROHOME	143 024 076 196
EMERSON	028 048 043 155 005 197 004 047 050 051 076 096
	143 151 153 154
FISHER	007 057
FUJITSU	198 246
FUNAI	028 043
FUTURETECH	043
GE	160 144 165 073 197 008 009 034 056 074 130 155
	161 004 091 157 183
GOLDSTAR	113 116 102 004 106 112 119 127 143
HALL MARK	004
HITACHI	011 163 166 004 009 010 012 023 075 143 158 072
INFINITY	164
INFOCUS	230
JBL	164
JCPENNEY	004 024 197 008 009 030 065 101 143 156 160
JENSEN	013
JVC	038 034 070 083 145 199 210 240 241
KEC	043
KENWOOD	197 070
KLOSS	002 059
KMC	143
KTV	043 197 143 154
LG	113 116 102 004 106 112 119 127 143

TVs, Projectors, Plasmas, Monitors (continued)

BRAND	THREE DIGIT CODE NUMBERS
LODGENET	072
LOEWE	164
LOGIK	072
LUXMAN	004
LXI	166 007 015 052 081 160 164
MAGNAVOX	164 059 197 003 060 061 004 063 064 127 022 160 094 239
MARANTZ	197 164 184
MATSUI	164
MEMOREX	007 072 004
METZ	088
MGA	197 004 024 028 042
MINERVA	088
MITSUBISHI	109 124 024 004 028 040 042 146 191
MTC	197 004 062 101
NAD	015 025
NEC	132 130 134 197 040 016 024 056 019 236 237
NIKEI	043
ONKING	043
ONWA	043
OPTONICA	019 081
ORION	096
PANASONIC	034 056 080 092 164 208
PHILCO	197 003 059 060 064 164 004 024 056 063
PHILIPS	164 005 093 038 197 003 004 059 127 184 206 239
PIONEER	135 025 197 018 023 116 190 234
PORTLAND	004 143
PROSCAN	144 160 161 165 167
PROTON	004 131 058 143 171 173 193
QUASAR	034 056 092
RADIO SHACK	019 004 143 043 127
RCA	160 165 065 156 144 161 197 004 024 056 152 023 074
REALISTIC	007 019 043 047
ROCTEC	186
RUNCO	168 169 178 179 180 181 182 183 073 157
SAMPO	197 058 004 202
SAMSUNG	050 089 101 105 004 127 143 160 228 229
SANYO	166 007 020 053 057 082 187
SCOTT	028 043 004 048 143
SEARS	015 030 004 007 028 057 143 094 160 082 165 166
SELECO	189 200 205 227
SHARP	081 019 014 170 028 029 004 022 143 175
SIEMENS	088
SIGNATURE	072
SOLE	231 232
SONY	070 139 147 126 185 194 085
SOUNDESIGN	028 004 003 043
SPECTRICON	112
SSS	004 043
SUPRE MACY	002
SYLVANIA	197 003 059 060 063 064 164 044 160 127
TANDY	081
TATUNG	056 062
TECHNICS	034 080
TECHWOOD	004
TEKNIKA	002 003 004 024 028 043 072 101 143

TVs, Projectors, Plasmas, Monitors (continued)

BRAND	THREE DIGIT CODE NUMBERS
TELEFUNKEN	037 046 086 087
TELERENT	072
TERA	172
TMK	004
TOSHIBA	015 138 030 007 040 062 101
TOTEVISION	143
UNIVERSAL	008 009
VIDEO CONC	146
VIDIKRON	174 184 188 192
VIDTECH	004
WARDS	004 008 009 019 028 060 061 063 064 072 074 143 164
WESTING	034
HOUSE	076
YAMAHA	197 004
YORK	004
YUPITERU	043

CABLE - Cable Descramblers and Tuners

BRAND	THREE DIGIT CODE NUMBERS
ABC	004 103 003 039 042 046 053
AMERICAST	099
ANTRONIX	014
ARCHER	005 007 014
BELL SOUTH	099
CENTURION	092
CENTURY	007
CITIZEN	007
COMBANO	080 081
COMSAT	074
COMTRONICS	030
COX DIGITAL	074
DIGICABLE	101
EAGLE	020 030 040
EASTERN	057 066
ECHOSTAR	106
ELECTRICORD	032
GEMINI	008 054
GENERAL	072
ELECTRIC	
GENERAL	103 074 104
INSTRUMENT	
GNC	099
GOLDEN	030
CHANNEL	
HAMLIN	049 050 055
HITACHI	103 055
JERROLD	103 002 003 004 008 009 010 069 074
MAGNAVOX	010 012 064 079 095 094
MEDIA ONE	107
MEMOREX	052
MITSUBISHI	102
M-NET	037

Cable Descramblers/Tuners (continued)

BRAND	THREE DIGIT CODE NUMBERS
MOVIE TIME	028 032
NOVAPLEX	092
NSC	015 028 038 071
OAK	031 037 053
PANASONIC	044 047
PARAGON	052
PHILIPS	006 012 013 020 085 095
PIONEER	103 034 051 063 076 105
PRUCER	059
PTS	011 071 074
PULSAR	052
RCA	047
RECOTON	098
REGAL	049 050
REGENCY	057
SAMSUNG	030
SCIENTIFIC	003 011 041 042 043 045 046
ATLANTA	
SIGNAL	030
SIGNATURE	103
SL MARX	030
SONY	096 108
SPRUCER	047 078
STARCOM	002 004 008 009
STARGATE	008 030 097 104
TADIRAN	030
TIMELESS	030
TIME	043
WARNER	
TOCOM	039 040 056
TOSHIBA	052
UNIKA	007 014
UNITED	004 053
CABLE	
UNIVERSAL	005 007 014 032 035
VIEWSTAR	012 015 018 086 087 088 089
ZENITH	052 060 093 100

CD - CD Players and Changers

BRAND	THREE DIGIT CODE NUMBERS
ADCOM	062 042
AIWA	059 065 088 089 105 122 170 187
AKAI	085 195 202
AMC	231 232
AMEND	118
ARCAM	238
AUDIO	119 147
ACCESS	
AUDIO EASE	165
AUDIO TECH- NI	046
BSR	037 057
CALIFORNIA AUDIO	103 008
CAPETRONIC	063
CARRERA	057 080
CARVER	185 041 044 050 086 107 130 134 135 138 139 203 204 167
CASIO	111 182
CLARINETTE	182
CREEK	159
CROWN	035
DENON	002 123
EMERSON	042 069 102
FISHER	050 185 134 008
FRABA	111
GENEXXA	010 069 102
GOLDSTAR	080
HAITAI	093
HARMAN KARD	018 033 047 208
HITACHI	042 175
INKEL	130 143 144
JCPENNEY	014 061 092 141
JENSEN	158
JVC	004 022 136 163 213 214 242 243
KENWOOD	185 007 023 055 071 072 142 137 254
KOSS	061
KRELL	241
KYOCERA	005
LOTTE	102
LUXMAN	011 028 070 076 249 252
LXI	059
MAGNAVOX	044 107
MARANTZ	027 041 044 051 077 107 209 246
MCINTOSH	212 247
MCS	014 073 092
MEMOREX	010
MISSION	044 107
MITSUBISHI	179
MITSUMI	153
MODULAIRE	182
MONDIAL	147
MYRYAD	244 155
NAD	006 005 067 178
NAKAMICHI	217 218 219 095

CD - CD Players and Changers (continued)

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

SAT - DSS Satellite Receivers

BRAND	THREE DIGIT CODE NUMBERS
ECHOSTAR	122
GENERAL ELECTRIC	151 106 150
HITACHI	139 140
HUGHES	068 154 161 162 165 166
PANASONIC	142 060 160
PHILIPS	071 152 153 156
PROSCAN	151 106 150
RCA	151 106 150
SAMSUNG	123 155 163
SKY	164
SONY	103
TOSHIBA	002 127 157 158
UNIDEN	136
ZENITH	091 081 082 083 084 120 159

SAT (continued) - DVR, PVR (i.e., TiVo, Replay)

BRAND	THREE DIGIT CODE NUMBERS
HUGHES	108 117
PHILIPS	108 090 117
RCA	109
REPLAY	075
SONY	104 105
TIVO	090 117

AUX - Tape Decks

BRAND	THREE DIGIT CODE NUMBERS
AIWA	015 071 100 114
CARVER	006 008 027 024 036
DENON	105 227 229
FISHER	064
GOLDSTAR	011
HARMAN	233
KARDON	
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

AUX - Tape Decks (continued)

BRAND	THREE DIGIT CODE NUMBERS
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

AUX - Custom Installation Products (continued)

BRAND	THREE DIGIT CODE NUMBERS
3M	152
AIWA	164
ARCHER	155
AURORA	220
MUL	191
AUTON	221
CELADON	213 214 215 216 217 218
CRESTRON	156
DMX	204
DRAPER	097
DREAMVISION	080
SION	206
DWIN	151
EVERQUEST	184
EXTRON	209
FAROUDJA	219
FUJI	153
HUNTER-DOUG	185
JERROLD	208 257
JVC	158 159 077
KENWOOD	186 201
LITE-TOUCH	205
LUTRON	160 187
MAKITA	161
MINDPATH	085
NILES	162
NSM	081
PIANO DISC+	163 156
POLKAUDIO	082
RUSSOUND	207
SCIENTIFIC	078 079
ATL	164 165 166
SIMA	153
SOLO	167
SOMFY	203
SONY	183 093
STARCOM	168 169 170 171 172 188 189

Frequently Asked Questions

What is a “macro” button?

It is an Automator button you set 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 Automator enables you to set up one button that does it all automatically with one press. For more information on how and why you should set up macro buttons, watch the DVD tutorial or read pages 19-22.

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

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

The URC-200 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

URC-200 Automator Pre-Programmed and Learning Remote Control

Learning Capability - 720 IR commands at standard frequencies (15kHz to 100kHz)

Macro Capability - 472 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: 8 oz. (with batteries)

Size: 9.6" x 3.75" x 1"

Batteries: Four AAA Alkaline batteries included

LCD Size: approximately 7/8" x 1-7/8"



Universal Remote Control®

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