



IR/RF LCD 8-DEVICE WITH LEARNING UNIVERSAL REMOTE CONTROL (URC-9910)

User's Guide



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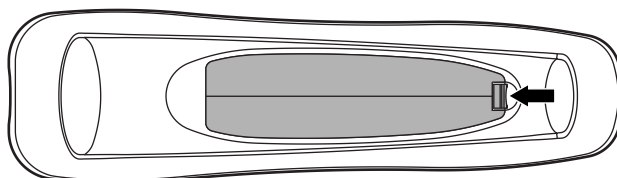
INTRODUCTION

The One For All IR/RF LCD 8-Device With Learning Universal Remote Control (URC-9910) is our latest high-performance universal remote control. It is designed to operate up to eight home entertainment devices, including TV, video, and audio components. Moreover, this remote control contains sophisticated technology that will allow you to conveniently consolidate the clutter of all of the original remote controls used in your home entertainment system. It's packed with easy-to-use features such as:

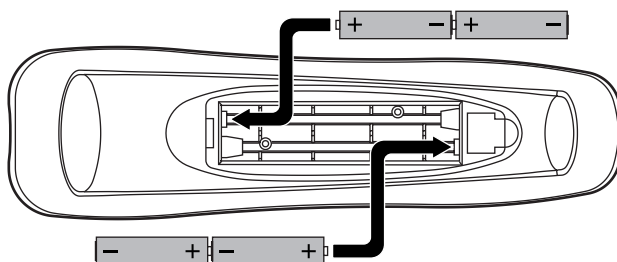
- Advanced Liquid Crystal Display (LCD) with 15 alphanumeric characters, real-time clock, and icons for constant visual feedback of operations and programming sequences
- A unique *Home Theater* mode that combines different device controls under one mode for operating convenience
- Three macro keys for instant activation of favorite key sequences
- Four learning keys to capture unique functions from your devices' original remote controls
- *Key Mover* for copying keys from one device to another, or to a different position in the same mode
- *Code Search* to help you program device codes without using the code list (starting on page 14) or for brands or models not listed
- *Favorite Channel Scan* for easy channel surfing
- Mode reassignment to control duplicate types of devices
- *Volume Lock* to assign volume controls to individual devices or to one global device
- *Commercial Skip* feature allows you to channel surf during commercial interruptions of your favorite programs
- Includes *IR/RF Command Center* to extend the remote control's signal range
- Pre-programmed database with the world's largest and most efficient group of infrared codes insures device compatibility
- Internal modem for upgrading device codes over the telephone
- A low battery icon to notify you when batteries are getting low
- Backlighting feature to aid operation in low ambient light

The One For All IR/RF LCD 8-Device With Learning Universal Remote Control (URC-9910) requires four (4) new AAA alkaline batteries (not included) and easy programming to control your devices. For best results, please read and perform all instructions listed here. Also, keep these instructions for future reference.

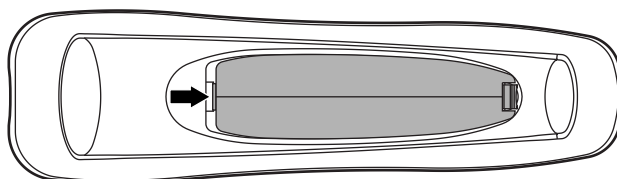
INSTALLING BATTERIES



①



②



③

1. On the back of the URC-9910 remote control, push the tab and lift off the battery cover.
2. Obtain four (4) new AAA alkaline batteries. Match the + and – marks on the batteries to the + and – marks in the case, and then insert the new batteries.
3. Align the cover key with the case opening and replace the cover until it locks.
4. If batteries are inserted correctly, the entire LCD will turn on. After 5 seconds of inactivity, the remote control will turn itself off to conserve battery life.
5. Perform the steps in *Setting The Clock* (on the next page) to set the correct time.

*NOTE: When a battery icon appears in the display (see page 7, **Key Charts**, LCD), the batteries are low. Simply replace them and the URC-9910 remote control will be restored to full functionality, complete with your favorite settings.*

SETTING THE CLOCK



On the URC-9910 remote control, press and hold **SET** until you see the display change from the default device and time to **[CODE SET]**.



NOTE: Default values for device, its code, and time are shown above. Your remote control settings may be different.

*NOTE: If you wish to exit the programming mode at any time, press **EXIT** once. You will see an **[EXIT]** message as the remote control returns to normal operation.*

*NOTE: If you see an **[INVALID]** message, you have inadvertently pressed an incorrect key. Simply note your error and continue programming.*



Press the  key five times until you see the display change to **[CLOCK SET]**.



*NOTE: If you go past **[CLOCK SET]**, press the  key one or more times to return to it.*



Press **SELECT** once to begin programming. You will see the display change to the current time.



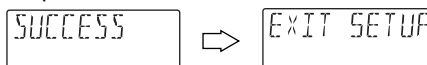
Press the  key one or more times until you see the desired hour (a.m. or p.m.).



Press the  key one or more times until you see the desired minute.



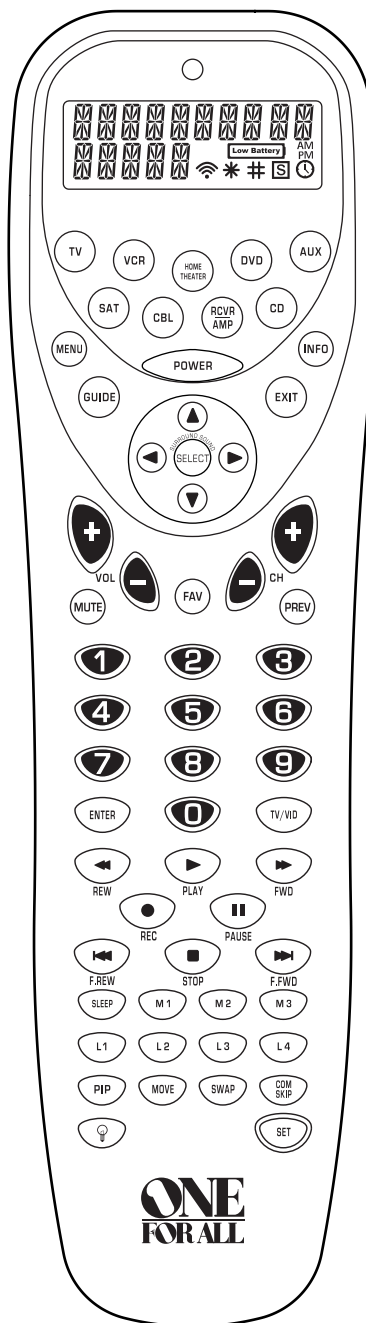
Once the time is correctly set, press **SELECT** once to accept the values. The display will confirm your entry with **[SUCCESS]** and then **[EXIT SETUP]**.



The URC-9910 remote control will return to normal operation.

FEATURES AND FUNCTIONS

Use the illustration below to locate features on the URC-9910 remote control and then study the *Key Charts* (on the next three pages) to learn how they function.



Key Charts



The **LED** (red light) blinks to show that the remote control is working and sending signals.



The **LCD** (Liquid Crystal Display) provides 15 alphanumeric characters that display status messages during remote control operation and programming. Also, one or more icons appear in the **LCD** to indicate the following conditions:

AM or PM

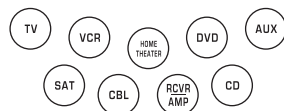
Morning or Afternoon Time



Low Battery



IR Signal Transmission

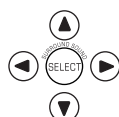


Press **TV**, **VCR**, **DVD**, **AUX**, **SAT**, **CBL**, **RCVR/AMP**, or **CD** once to select a desired home entertainment device to control.

After programming, press **HOME THEATER** once to select the home theater mode. See *Using The Home Theater Mode* on page 43.



Press **POWER** once to turn on or off the selected device.



Use the cursor keys (▲, ▼, ◀, or ▶) to move the cursor in the program guide and menu screens. Use **SELECT** to choose options from your selected device's menu or guide.

In the **CD** mode, use **SELECT** to select a compact disc. Use ▲ (or ▼) to select the next (or previous) CD. Use ▶ (or ◀) to select the next (or previous) track.

In the **RCVR/AMP** mode, use **SELECT** to set the surround sound. Use ▲ (or ▼) to adjust the volume higher (or lower). Use ◀ (or ▶) to adjust the balance left (or right).



Press **MENU** once to display your selected device's main menu.



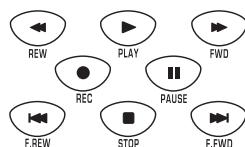
Use **GUIDE** to display your selected device's program guide or setup menu.

continued on next page...

FEATURES AND FUNCTIONS

Key Charts (continued)

	Use EXIT to exit from your selected device's guide or menu.
	Use INFO to display the current channel and program information.
	Use VOL+ (or VOL-) to raise (or lower) the audio volume.
	Press MUTE once to turn the audio off or on.
	In the TV , VCR , DVD , SAT , and CBL modes, use FAV to scan favorite channels and/or all channels. See <i>Using Channel Scan</i> and <i>Programming Favorite Channel Scan</i> on page 41.
	Use CH+ (or CH-) to select the next higher (or lower) channel.
	Press PREV once to recall the last-viewed channel and to page back one screen on the main menu. In the CD mode, use PREV to turn random play on or off. In the RCVR/AMP mode, use PREV to select the receiver band.
	Use the keypad (1 ~ 9 and 0) to directly select channels (e.g., 009 or 031). In the RCVR/AMP mode, use the keypad (1 ~ 9 and 0) to select audio sources 1 through 10.
	Press ENTER once after entering the channel numbers on some TVs. In the CD mode, use ENTER to add 10 to the digit entry (e.g., ENTER and 7 is 17).
	Use TV/VID to switch the TV's input to view TV or video programs.

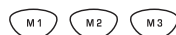


Use the transport keys to control your VCR, DVD or CD player, or VOD (Video On Demand) if available on your cable or satellite service.

To record a VCR program, press **REC** twice.



Use **SLEEP** to activate your device's sleep timer (not available for all devices).



After programming, press **M1 ~ M3** once to run a desired macro (see *Using Macros* on page 34).



After programming, press **L1 ~ L4** once to activate a learned function. See *Using Learning* on page 30.



Use **PIP** to switch the Picture-In-Picture feature on or off (if available on your TV).



Use **MOVE** to move the window picture to different positions in the main picture.



Use **SWAP** to switch images and sound between the main and window pictures.



After programming, use **COM SKIP** to skip commercials on selected devices (i.e., **TV, VCR, DVD, CBL**, and **SAT**). See *Using Commercial Skip* on page 48.



Use  to turn on or off the key backlight. When this feature is activated, keys will remain backlit for 5 seconds after the last key press. In the setup mode, backlighting will remain on for 30 seconds.



Use **SET** for all programming sequences.

PROGRAMMING DEVICE CONTROL

The URC-9910 remote control is preprogrammed at the factory to operate an RCA TV and VCR, a Motorola (GI) cable converter, an RCA satellite receiver, a Pioneer CD player, a Toshiba DVD player, a Pioneer audio receiver/ amplifier, and a One For All home automation device. To control devices other than the default brands, perform the following steps and repeat them as needed for each device to be programmed; otherwise skip this section:

NOTE: For TV/VCR Combo control, see "Programming TV/VCR Combo Control" on page 12.

1. Turn on a device (e.g., VCR or DVD player) and, if applicable, insert media (e.g., cassette or disc).

NOTE: Please read steps 2 through 8 completely before proceeding. Highlight or write down the codes and device you wish to program before starting step 2.



2. On the URC-9910 remote control, press and hold **SET** until you see the display change from the current device and time to **[CODE SET]**.



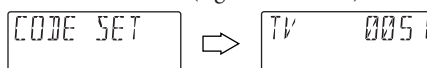
NOTE: The device, its code, and time are examples. Your remote control settings may be different.

*NOTE: To exit programming at any time, press **EXIT** once or allow 30 seconds of inactivity to lapse. You will see **[EXIT SETUP]** as the remote control returns to normal operation.*

*NOTE: **[INVALID]** means you have inadvertently pressed an incorrect key. Note your error and continue programming.*



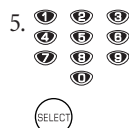
3. Press **SELECT** once to begin programming. You will see the display change to the last-selected device and its current code (e.g., **TV** and **0051**).



4. Press a desired device key once (e.g., **VCR**). You will see the display change to the desired device and its current code (e.g., **VCR** and **0035**).



*NOTE: Use the **AUX** key to program control of home automation devices, video accessories, audio services, and other audio or video devices. Alternately, use the **AUX** key to program control of a second device type (e.g., a second VCR; see "Re-assigning Device Keys" on page 37).*



5. Use the *Manufacturer's Codes* (starting on page 14) to locate the type of device and brand name. Then use the keypad to enter the first four-digit code for your device and press **SELECT** once.

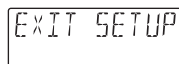
For example, to enter the first GE VCR code (on page 24), press **0** twice, **6** once, **0** once, and then **SELECT** once.

If the code is entered correctly, you will see the **[SUCCESS]** message.



6. 

Press **EXIT** to exit the programming mode. You will see an **[EXIT SETUP]** message as the URC-9910 remote control returns to normal operation.



7. 

To verify the code works, aim the URC-9910 remote control at the desired device, press its device key once and then press **POWER** once. The device should turn off. If it does not respond, repeat steps 2 through 6, trying each code for your brand until you find one that works. If it still does not work, try *Searching For Your Code* on page 27.

*NOTE: If the device does not have a **POWER** key, press the **► (Play)** key.*

8.

Repeat steps 1 through 7 for each device you want to control. For future reference, write down each working device code in the boxes below:

TV Code:

VCR Code:

DVD Code:

SAT Code:

CBL Code:

RCVR/AMP Code:

CD Code:

AUX Code:

Aux. Device Type: _____

PROGRAMMING TV/VCR COMBO CONTROL

Perform the following instructions to control a TV/VCR Combo:

1. Turn on the TV/VCR Combo and insert a video cassette.

NOTE: Please read steps 2 through 9 completely before proceeding. Highlight or write down the codes and device you wish to program before starting step 2.

2.  On the URC-9910 remote control, press and hold **SET** until you see the display change from the current device and time to **[CODE SET]**.



NOTE: The device, its code, and time are examples. Your remote control settings may be different.

*NOTE: To exit programming at any time, press **EXIT** once or allow 30 seconds of inactivity to lapse. You will see **[EXIT SETUP]** as the remote control returns to normal operation.*

*NOTE: **[INVALID]** means you have inadvertently pressed an incorrect key. Note your error and continue programming.*

3.  Press **SELECT** once to begin programming. You will see the display change to the last-selected device and its current code (e.g., **TV** and **0051**)



4.  Press **VCR** once. You will see the display change to **[VCR]** and its current code.



5.  Use the *Setup Codes For TV/VCR Combos* (on page 22) to locate the type of device and brand name. Then use the keypad to enter the first four-digit code for your device and press **SELECT** once.

For example, to enter the first Sony TV/VCR Combo code on page 23, press **0** four times and then **SELECT** once.

If the code is entered correctly, you will see the **[SUCCESS]** message.



NOTE: If your TV/VCR Combo has a separate TV code, you will also need to perform step 6.

6. 

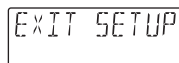
(Optional) Skip this step if your TV/VCR Combo *does not* have a separate TV code. Otherwise, press **TV** once. You will see the display change to **[TV]** and its current code.



Use the keypad to enter the separate TV code for your device.

7. 

Press **EXIT** to exit the programming mode. You will see **[EXIT SETUP]** as the URC-9910 remote control returns to normal operation.



8. 



To verify the code works, aim the URC-9910 remote control at the desired device, press **VCR** once and then press **POWER** once. The TV/VCR Combo should turn off. If it does not respond, repeat steps 2 through 8, trying each code for your brand until you find one that works. If it still does not work, try *Searching For Your Code* on page 27.

*NOTE: If the device does not have a **POWER** key, press the **▶ (Play)** key.*

*NOTE: For VCR/TV Combos programmed with separate TV codes, TV volume is controlled by pressing **VCR** first and then **TV**. After that, use **VOL+** (or **VOL-**) to raise (or lower) the TV volume. For other alternatives on controlling volume keys, see "Changing Volume Lock" on page 32 or "Using Keymover" on page 38.*

9.

For future reference, write down the working TV/VCR combo code in the below boxes:

TV/VCR Code:

TV Code
(if used):

MANUFACTURER'S CODES

Setup Codes for Audio Amplifiers:

GE	0078
Harman/Kardon	0892
JVC	0331
Luxman	0165
Marantz	0321, 0892
Nakamichi	0321
Optimus	0395
Philips	0892
Polk Audio	0892
Realistic	0395
Sansui	0321
Sony	0689
Soundesign	0078
Victor	0331
Wards	0078
Yamaha	0354

Setup Codes For Audio Cassette Decks:

Sony	0243
------	------

Setup Codes for Audio Receivers:

ADC	0531
Aiwa	0121, 1089, 1405
Bose	1229
Capetronic	0531
Carver	1089, 1189
Compaq	1136
Denon	1104, 1160
Harman/Kardon	0110
Hewlett Packard	1181
JBL	0110
JVC	0074
Kenwood	0186, 1027, 1313, 1569, 1570
MCS	0039
Magnavox	0531, 1089, 1189
Marantz	0039, 1089, 1189
Onkyo	0135
Optimus	0531, 0670, 0186, 1023
Panasonic	0039, 1518
Philips	1089, 1189, 1269
Pioneer	0531, 0014, 0150, 0630, 1023
Proscan	1254
Quasar	0039
RCA	0531, 1023, 1254

Sansui	1089
Sharp	0186
Sony	1058, 1158, 1258
Soundesign	0670
Sunfire	1313
Technics	0039, 1308, 1309, 1518
Thorens	1189
Victor	0074
Wards	0014
Yamaha	0176, 0186, 1176

Setup Codes For Audio Turntables:

Aiwa	0188
Carver	0188
Magnavox	0188
Marantz	0188
Philips	0188

Setup Codes for Cable Converters:

ABC	0003, 0017
Americast	0899
Bell South	0899
General Instrument	0476, 0810
GoldStar	0144
Hamlin	0009, 0273
Jerrold	0003, 0476, 0276, 0810
Memorex	0000
Motorola	0476, 1106
Pace	0237
Panasonic	0000, 0107
Paragon	0000
Philips	0305, 0317
Pioneer	0144, 0533, 0877
Pulsar	0000
Quasar	0000
Regal	0273, 0279
Runco	0000
Samsung	0144
Scientific Atlanta	0477, 0017, 0877
Sony	1006
Starcom	0003
Supercable	0276
Toshiba	0000
Zenith	0000, 0525, 0899

MANUFACTURER'S CODES (continued)

Setup Codes For CD Players:

Aiwa	0157, 0124
Burmester	0420
California Audio Labs	0029, 0303
Carver	0157, 0179, 0437
DKK	0000
Denon	0003, 0873
Emerson	0305
Fisher	0179, 0174
Garrard	0420, 0393
Genexxa	0032, 0305
Harman/Kardon	0157, 0173
Hitachi	0032
JVC	0072
Kenwood	0028, 0037, 0190, 0626, 0681, 0826
Krell	0157
LXI	0305
Linn	0157
MCS	0029
MTC	0420
Magnavox	0157, 0305
Marantz	0029, 0157, 0180, 0626
Mission	0157
NSM	0157
Nikko	0174
Onkyo	0101, 0868
Optimus	0000, 0032, 0179, 0305, 0037, 0420, 0145, 0468, 0437, 1063
Panasonic	0029, 0303
Parasound	0420
Philips	0157, 0626
Pioneer	0032, 0305, 0468, 1062, 1063
Polk Audio	0157
Proton	0157
QED	0157
Quasar	0029
RCA	0032, 0179, 0305, 0053, 0468, 0764, 1062
Realistic	0179, 0420, 0180
Rotel	0157, 0420
SAE	0157
Sansui	0157, 0305
Sanyo	0179
Scott	0305
Sears	0305
Sharp	0037, 0180, 0861
Sherwood	0180, 1067
Sonic Frontiers	0157
Sony	0000, 0185, 0490

Soundesign	0145
Tascam	0420
Teac	0420, 0393, 0174, 0180
Technics	0029, 0303
Victor	0072
Wards	0157, 0053
Yamaha	0036, 0187, 0888
Yorx	0461

Setup Codes For DAT (Digital Audio Tape) Recorders:

Carver	0158
Harman/Kardon	0158
Magnavox	0158
Marantz	0158
Philips	0158

Setup Codes For DVD Players:

Aiwa	0641
Apex	0672
Denon	0490, 0634
Emerson	0591
Fisher	0670
GE	0522, 0717
GPX	0769
Go Video	0715
Gradiente	0651
Harman/Kardon	0582
Hitachi	0573, 0664
Hiteker	0672
JVC	0558, 0623
Kenwood	0534, 0682
Konka	0711, 0719, 0720, 0721
Magnavox	0503, 0675
Marantz	0539
Mitsubishi	0521
Onkyo	0503, 0627
Optimus	0571
Oritron	0651
Panasonic	0490, 0632
Philips	0503, 0539
Pioneer	0525, 0571, 0632
Princeton	0674
Proscan	0522
RCA	0522, 0571, 0704, 0717
Samsung	0573
Sanyo	0670

continued on next page...

MANUFACTURER'S CODES (continued)

Setup Codes For DVD Players:

Sharp	0630
Sherwood	0633
Sony	0533
Technics	0490
Techwood	0692
Theta Digital	0571
Toshiba	0503
Yamaha	0490, 0545
Zenith	0503, 0591

Setup Codes For Home Automation:

GE	0240
One For All	0167
RadioShack	0240
Security System	0167
Universal X10	0167
X10	0167

Setup Codes For LD (Laser Disc) Players:

Denon	0059
Mitsubishi	0059
NAD	0059
Optimus	0059
Pioneer	0059

Setup Codes For Misc. Audio Services:

Jerrold	0459, 0520
Scientific Atlanta	0460
Starcom	0459

Setup Codes For Satellite Receivers:

AlphaStar	0772
Chaparral	0216
Echostar	0775, 1005
Expressvu	0775
GE	0566
General Instrument	0869
HTS	0775
Hitachi	0819
Hughes Network Sys.	0749, 1142, 1749
JVC	0775
Magnavox	0724, 0722

Memorex	0724
Mitsubishi	0749
Next Level	0869
Panasonic	0701, 0247
Philips	0749, 0724, 0722, 1076, 1142
Proscan	0392
RCA	0566, 0143, 0392, 0855
RadioShack	0869
Samsung	1109
Sony	0639
Star Choice	0869
Toshiba	0749, 0790
Uniden	0724, 0722
Zenith	0856

Setup Codes For TVs:

AOC	0030, 0019
Admiral	0093, 0463
Aiko	0092
Aiwa	0701
Akai	0030
Alaron	0179
Ambassador	0177
America Action	0180
Ampro	0751
Anam	0180
Audiovox	0451, 0180, 0092, 0623
Baysonic	0180
Belcor	0019
Bell & Howell	0154, 0016
Bradford	0180
Brockwood	0019
Broksonic	0236, 0463
CXC	0180
Candle	0030, 0056
Carnivale	0030
Carver	0054
Celebrity	0000
Cineral	0451, 0092
Citizen	0060, 0030, 0056, 0092
Concerto	0056
Contec	0180
Craig	0180
Crosley	0054
Crown	0180
Curtis Mathes	0047, 0054, 0154, 0051, 0451, 0093, 0060, 0030, 0145, 0056, 0016, 0166, 0466, 0747, 1147, 1347
Daewoo	0451, 0019, 0092, 0623, 0624

continued on next page...

MANUFACTURER'S CODES

Setup Codes For TVs (continued):

Daytron	0019
Denon	0145
Dumont	0017, 0019
Dwin	0720, 0774
Electroband	0000
Emerson	0154, 0236, 0463, 0180, 0178, 0019, 0179, 0177, 0623, 0624
Envision	0030
Fisher	0154
Fujitsu	0179, 0683
Funai	0180, 0179, 0171
Futuretech	0180
GE	0047, 0051, 0451, 0093, 0178, 0021, 0747, 1147, 1347
Gibralter	0017, 0030, 0019
GoldStar	0030, 0178, 0019, 0056
Gradiente	0053, 0056
Grunpy	0180, 0179
Hallmark	0178
Harley Davidson	0179
Harman/Kardon	0054
Harvard	0180
Hitachi	0145, 0056, 0016, 0151
Infinity	0054
Inteq	0017
JBL	0054
JCB	0000
JVC	0053
KEC	0180
KTV	0180, 0030
Kenwood	0030, 0019
Konka	0628, 0632, 0638, 0703, 0707
LG	0056
LXI	0047, 0054, 0154, 0156, 0178, 0747
Logik	0016
Luxman	0056
MGA	0150, 0030, 0178, 0019
MTC	0060, 0030, 0019, 0056
Magnavox	0054, 0030, 0179, 1254
Majestic	0016
Marantz	0054, 0030
Matsushita	0250
Megatron	0178, 0145
Memorex	0154, 0250, 0463, 0150, 0178, 0179, 0056, 0016
Midland	0047, 0017, 0051, 0747
Minutz	0021
Mitsubishi	0093, 0150, 0178, 0019
Motorola	0093

Multitech	0180
NAD	0156, 0178, 0166
NEC	0030, 0019, 0056
NTC	0092
Nikko	0030, 0178, 0092
Onwa	0180
Optimus	0154, 0250, 0166
Optonica	0093
Orion	0236, 0463, 0179
Panasonic	0051, 0250
Penney	0047, 0156, 0051, 0060, 0030, 0178, 0021, 0019, 0056, 0747, 1347
Philco	0054, 0463, 0030, 0145, 0019
Philips	0054
Pilot	0030, 0019
Pioneer	0166, 0679
Portland	0019, 0092
Princeton	0717
Prism	0051
Proscan	0047, 0747
Proton	0178, 0466
Pulsar	0017, 0019
Quasar	0051, 0250
RCA	0047, 0051, 0093, 0019, 0090, 0679, 0747, 1047, 1147, 1247, 1347, 1447
RadioShack	0047, 0154, 0180, 0030, 0178, 0019, 0056, 0747
Realistic	0154, 0180, 0030, 0178, 0019, 0056
Runco	0017, 0030, 0603
SSS	0180, 0019
Sampo	0030
Samsung	0060, 0030, 0178, 0019, 0056
Sansei	0451
Sansui	0463
Sanyo	0154
Scimitsu	0019
Scotch	0178
Scott	0236, 0180, 0178, 0019, 0179
Sears	0047, 0054, 0154, 0156, 0178, 0179, 0056, 0171, 0747
Semivox	0180
Semp	0156
Sharp	0093, 0688
Shogun	0019
Signature	0016
Sony	0000
Soundesign	0180, 0178, 0179
Squareview	0171
Starlite	0180
Supreme	0000
Sylvania	0054, 0030

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MANUFACTURER'S CODES

Setup Codes For TVs (continued):

Symphonic	0180, 0171
TMK	0178, 0056, 0177
TNCi	0017
Tandy	0093
Technics	0051, 0250
Technol Ace	0179
Techwood	0051, 0056
Teknika	0054, 0180, 0150, 0060, 0019, 0179, 0056, 0016, 0092
Telefunken	0056
Toshiba	0154, 0156, 0060, 1256
Vector Research	0030
Victor	0053
Vidikron	0054
Vidtech	0178, 0019
Wards	0054, 0030, 0178, 0021, 0019, 0179, 0056, 0016
White Westinghouse	0463, 0623, 0624
Yamaha	0030, 0019
Zenith	0017, 0463, 0016, 0092, 0624

Setup Codes For TV/VCR Combos:

Broksonic	0002, 0479 (for TV use 0463)
Citizen	0278
Colt	0072
Curtis Mathes	0035 (for TV use 0051)
Daewoo	0278 (for TV use 0624)
Emerson	0002, 0278 (for TV use 0624), 0294 (for TV use 0236), 0479 (for TV use 0463)
Funai	0000
GE	0035 (for TV use 0051), 0048 (for TV use 0093), 0060 (for TV use 0047), 0240
GoldStar	0037 (for TV use 0056)
Harley Davidson	0000
Hitachi	0000
Lloyd's	0000
Magnasonic	0278, 0563
Magnavox	0000, 0081 (for TV use 0054)
Magnin	0240
Memorex	0037, 0162 (for TV use 0250), 1037, 1162, 1262
MGA	0240
Mitsubishi	0048 (for TV use 0093)
Optimus	0162 (for TV use 0250), 1162, 1262
Orion	0000, 0479 (for TV use 0463)
Panasonic	0035 (for TV use 0051), 0162 (for TV use 0250), 1162, 1262
Penney	0035 (for TV use 0051), 0037 (for TV use 0056), 0240
Quasar	0035 (for TV use 0051), 0162 (for TV use 0250)

RadioShack	1037
RCA	0035 (for TV use 0051), 0048 (for TV use 0093), 0060 (for TV use 0047), 0240
Sansui	0000, 0479 (for TV use 0463)
Sanyo	0240
Sears	0000, 0037 (for TV use 0056)
Sharp	0048 (for TV use 0093)
Sony	0000, 0032 (for TV use 0000)
Sylvania	0081 (for TV use 0054)
Symphonic	0000, 0563
Thomas	0000
White Westinghouse	0278 (for TV use 0624)
Zenith	0000, 0637 (for TV use 0624)

Setup Codes For VCRs:

Admiral	0048, 0209
Adventura	0000
Aiko	0278
Aiwa	0037, 0000
Akai	0041
America Action	0278
American High	0035
Asha	0240
Audiovox	0037
Beaumarck	0240
Bell & Howell	0104
Broksonic	0184, 0121, 0209, 0002, 0479
CCE	0072, 0278
Calix	0037
Canon	0035
Carver	0081
Cineral	0278
Citizen	0037, 0278
Colt	0072
Craig	0037, 0047, 0240, 0072
Curtis Mathes	0060, 0035, 0041, 0162, 0760
Cybernex	0240
Daewoo	0045, 0278
Denon	0042
Dynatech	0000
Electrohome	0037
Electrophonic	0037
Emerex	0032
Emerson	0037, 0184, 0000, 0121, 0043, 0209, 0002, 0278, 0479
Fisher	0047, 0104
Fuji	0035, 0033
Funai	0000
GE	0060, 0035, 0048, 0240, 0760

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MANUFACTURER'S CODES

Setup Codes For VCRs (continued):

Garrard	0000
Go Video	0432
GoldStar	0037, 0038
Gradiente	0000
HI-Q	0047
Harley Davidson	0000
Harman/Kardon	0081, 0038
Harwood	0072
Hitachi	0000, 0042, 0041
Hughes Network Sys.	0042
JVC	0067, 0041
Jensen	0041
KEC	0037, 0278
KLH	0072
Kenwood	0067, 0041, 0038
Kodak	0035, 0037
LXI	0037
Lloyd's	0000
Logik	0072
MEI	0035
MGA	0240, 0043
MGN Technology	0240
MTC	0240, 0000
Magnasonic	0278
Magnavox	0035, 0039, 0081, 0000, 0149, 0563
Magnin	0240
Marantz	0035, 0081
Marta	0037
Matsushita	0035, 0162
Memorex	0035, 0037, 0048, 0039, 0047, 0240, 0000, 0104, 0209, 0162, 0479, 1037, 1162, 1262
Minolta	0042
Mitsubishi	0048, 0067, 0043
Motorola	0035, 0048
Multitech	0000, 0072
NEC	0104, 0067, 0041, 0038
Nikko	0037
Noblex	0240
Olympus	0035
Optimus	0037, 0048, 0104, 0162, 0432, 1048, 1062, 1162, 1262
Orion	0184, 0209, 0002, 0479
Panasonic	0035, 0162, 0225, 0616, 1062, 1162, 1262, 1362
Penney	0035, 0037, 0240, 0042, 0038
Pentax	0042
Philco	0035, 0209, 0479
Philips	0035, 0081, 0618, 1081, 1181
Pilot	0037

Pioneer	0067
Polk Audio	0081
Profitronic	0240
Proscan	0060, 0760
Protec	0072
Pulsar	0039
Quasar	0035, 0162, 1162
RCA	0060, 0035, 0048, 0240, 0042, 0149, 0760
RadioShack	0000, 1037
Radix	0037
Randex	0037
Realistic	0035, 0037, 0048, 0047, 0000, 0104
ReplayTV	0614, 0616
Runco	0039
STS	0042
Samsung	0240, 0045
Sanky	0048, 0039
Sansui	0000, 0067, 0209, 0041, 0479
Sanyo	0047, 0240, 0104
Scott	0184, 0045, 0121, 0043
Sears	0035, 0037, 0047, 0000, 0042, 0104
Semp	0045
Sharp	0048
Shintom	0072
Shogun	0240
Singer	0072
Sony	0035, 0032, 0000, 0033, 0636, 1032
Sylvania	0035, 0081, 0000, 0043
Symphonic	0000
TMK	0240
Tatung	0041
Teac	0000, 0041
Technics	0035, 0162
Teknika	0035, 0037, 0000
Thomas	0000
Tivo	0618, 0636
Toshiba	0045, 0043
Totevision	0037, 0240
Unitech	0240
Vector	0045
Vector Research	0038
Video Concepts	0045
Videosonic	0240
Wards	0060, 0035, 0048, 0047, 0081, 0240, 0000, 0042, 0072, 0149, 0760
White Westinghouse	0209, 0072, 0278
XR-1000	0035, 0000, 0072
Yamaha	0038
Zenith	0039, 0000, 0209, 0033, 0479

MANUFACTURER'S CODES (continued)

Setup Codes For Video Accessories:

Archer	0160
GC Electronics	0160
Jebsee	0160
Magnavox	0818
Panasonic	1120
Philips	0818
Pioneer	1010
RadioShack	0160
Sensory Science	1126
Sharp	1010
Sony	0850

SEARCHING FOR YOUR CODE

If your device does not respond to the URC-9910 remote control after trying all codes listed for your brand, or if your brand is not listed at all, try manually searching for your code.

For example, to manually search for a code for your TV:

1. Turn on the TV.
2.  On the URC-9910 remote control, press and hold **SET** until you see the display change from the current device and time to **[CODE SET]**.



NOTE: The device, its code, and time are examples. Your remote control settings may be different.

*NOTE: To exit programming at any time, press **EXIT** once or allow 30 seconds of inactivity to lapse. You will see **[EXIT SETUP]** as the remote control returns to normal operation.*

*NOTE: **[INVALID]** means you have inadvertently pressed an incorrect key. Note your error and continue programming.*

3.  Press the **▼** key once until you see the display change to **[MAN SEARCH]**.



*NOTE: If you go past **[MAN SEARCH]**, press the **▲** key one or more times to return to it.*

4.  Press **SELECT** once to begin programming. You will see the display change to the last-selected device and its code (e.g., **VCR** and **0035**).



5.  Press a desired device key once (e.g., **TV**). You will see the display change to the desired device and the first code in the manual search list (e.g., **TV** and **0047**).



6.  Aim the URC-9910 remote control at the device (e.g., **TV**) and press **SELECT** once. You will see the **LED** (red light) blink and the  (IR) icon flash indicating IR codes are being transmitted.



continued on next page...

SEARCHING FOR YOUR CODE (continued)

NOTE: In the manual search mode, the URC-9910 remote control will send IR codes from its library to the selected device, starting with the most popular code first.

7. 

If the device (e.g., **TV**) turned off, skip to the next step. If it did not turn off, aim the URC-9910 remote control at the device (e.g., **TV**) and press the  key once to advance the manual search to the next code (e.g., **TV** and **0054**). Again you will see the **LED** (red light) blink and the  (IR) icon flash.



Repeat this step as often as needed until you find a code that turns off the device.

8. 

To save the working code, press **SELECT** once. The display will confirm your entry with **[SUCCESS]** and then **[EXIT SETUP]**.



The URC-9910 remote control will return to normal operation.

NOTE: For future reference, write down the working device code in the appropriate boxes on page 11.

9.

To perform a manual code search for another device, repeat steps 1 through 8, but this time (in step 5) substitute the appropriate device key for the device you are searching for.

NOTE: If you have not found a working device code after trying the above procedure, please contact our customer service center to upgrade your One For All IR/RF LCD 8-Device With Learning Universal Remote Control (URC-9910). See "About Upgrading" on page 51.

USING LEARNING

Program the learning keys (**L1 ~ L4**) to add functions that are unique to your home entertainment devices (e.g., VCR Tracking Up or Down). However, there are some considerations:

- Your original remote control must be in working order for the learning feature to work properly.
- Learned keys are mode specific, so each one can store a unique function for each mode.
- Learned keys can be used in macros (see *Using Macros* on page 34).
- Although dedicated keys (**L1 ~ L4**) are provided for storing learned functions, you can also use any key (except keys for devices and programming) for learning. However, using them as learned keys will overwrite their original functions.
- For optimum learning, avoid high levels of ambient light such as natural sunlight or energy-efficient fluorescent lights.

NOTE: Please have your original remote controls handy before programming learning. Be sure to press each key within 5 seconds of the previous entry. If not, the URC-9910 remote control will exit the programming mode.

Programming A Learning Key

1. 

On the URC-9910 remote control, press and hold **SET** until you see the display change from the current device and time to **[CODE SET]**.



NOTE: The device, its code, and time are examples. Your remote control settings may be different.

*NOTE: To exit programming at any time, press **EXIT** once or allow 30 seconds of inactivity to lapse. You will see **[EXIT SETUP]** as the remote control returns to normal operation.*

*NOTE: **[INVALID]** means you have inadvertently pressed an incorrect key. Note your error and continue programming.*

2.  (x 2)

Press the **▼** key twice until you see the display changes to **[IR LEARN]**.



*NOTE: If you go past **[IR LEARN]**, press the **▲** key one or more times to return to it.*

3. 

Press **SELECT** once to begin programming. You will see the display change to the last-selected device (e.g., **TV**).



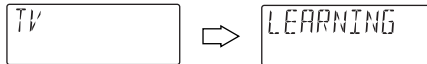
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USING LEARNING

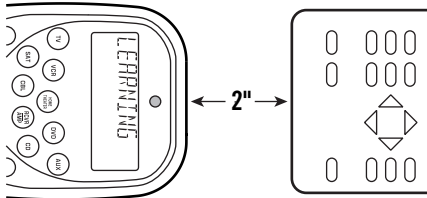
Programming A Learning Key (continued)

4.  Press a device key once (e.g., **TV**) to assign a desired mode for learning.

5.  Select an open learning key (e.g., **L1**) and press it once. You will see the display change to **[LEARNING]** and the **LED** (red light) will turn on for 5 seconds.



6. Place your original remote control (e.g., TV remote control) head-to-head (about 2" apart) from the URC-9910 remote control.



7. On your original remote control, press and hold the key (i.e., feature) to be learned until you see **[SUCCESS]** appear on the URC-9910 remote control. The display will return to device mode you selected for learning (e.g., **TV**).



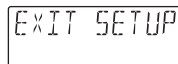
If the key was not learned, you will see an **[ERROR]** message instead.



Repeat steps 5 through 7 as needed to achieve **[SUCCESS]**.

8. To learn functions onto other learning keys (e.g., **L2 ~ L4**), repeat steps 4 through 7 for each key.

9.  Press **EXIT** to exit the programming mode. You will see an **[EXIT SETUP]** message as the remote control returns to normal operation.

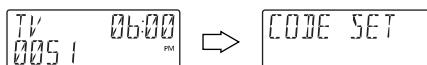


10. To test a learned feature, aim the URC-9910 remote control at the desired device and press its device key once (e.g., **TV**, where the learning mode was assigned). Then press the learning key (e.g., **L1**)

where the learned feature is stored. The feature should activate. If not, try the programming the learning key again, starting with step 1 (on page 29).

Deleting A Function From A Learning Key

1.  On the URC-9910 remote control, press and hold **SET** until you see the display change from the current device and time to **[CODE SET]**.



NOTE: The device, its code, and time are examples. Your remote control settings may be different.

*NOTE: To exit programming at any time, press **EXIT** once or allow 30 seconds of inactivity to lapse. You will see **[EXIT SETUP]** as the remote control returns to normal operation.*

*NOTE: **[INVALID]** means you have inadvertently pressed an incorrect key. Note your error and continue programming.*

2.  (x 3) Press the  key three times until you see the display change to **[IR DELETE]**.



*NOTE: If you go past **[IR DELETE]**, press the  key one or more times to return to it.*

3.  Press **SELECT** once to begin programming. You will see the display change to the last-selected device (e.g., **TV**).



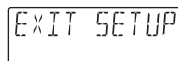
4.  Press a device key once (e.g., **TV**) for the mode that contains the learned function.

5.  Press learning key once (e.g., **L1**) where the feature (to be deleted) is stored. You will see the display change to **[DELETED]** and then return to last-selected mode (e.g., **TV**).



6. If desired, repeat steps 4 and 5 to delete other learned functions.

7.  Press **EXIT** to exit the programming mode. You will see an **[EXIT SETUP]** message as the URC-9910 remote control returns to normal operation.



USING VOLUME LOCK

In its default (unlocked) state, the URC-9910 remote control allows each device to control its own volume only in its own mode (e.g., **TV** volume in the **TV** mode, **VCR** volume in **VCR** mode, etc.). However, using our *Volume Lock* feature, you can lock the volume controls for each device to all modes (e.g., **RCVR/AMP** volume in all modes).

Moreover, using the *Volume Unlock* feature (see the next page), you can further customize the settings so that a device's volume controls are unlocked in one mode, but remain locked in all other modes (e.g., **TV** volume in the **TV** mode and **RCVR/AMP** volume in other modes).

Programming Volume Lock

1.  On the URC-9910 remote control, press and hold **SET** until you see the display change from the current device and time to **[CODE SET]**.



NOTE: The device, its code, and time are examples. Your remote control settings may be different.

*NOTE: To exit programming at any time, press **EXIT** once or allow 30 seconds of inactivity to lapse. You will see **[EXIT SETUP]** as the remote control returns to normal operation.*

*NOTE: **[INVALID]** means you have inadvertently pressed an incorrect key. Note your error and continue programming.*

2.  (x 4) Press the **▼** key four times until you see the display change to **[VOL LOCK]**.



*NOTE: If you go past **[VOL LOCK]**, press the **▲** key one or more times to return to it.*

3.  Press **SELECT** once to begin programming. You will see the display change to **[TO MODE]**.



4.  Press a mode key (e.g., **RCVR/AMP**) to lock a device's volume controls to all modes. You will see the display change to **[SUCCESS]** and then **[EXIT SETUP]** as the remote control automatically exits the programming mode and returns to normal operation.



5. If desired, repeat steps 1 through 4 as needed to lock volume controls for other devices to all modes.

Programming Volume Unlock

1.  On the URC-9910 remote control, press and hold **SET** until you see the display change from the current device and time to **[CODE SET]**.

TV 06:00 PM
0051 → CODE SET

2.  (x 5) Press the **▼** key five times until you see the display change to **[VOL UNLOCK]**.

CODE SET → VOL UNLOCK

*NOTE: If you go past [VOL UNLOCK], press the **▲** key one or more times to return to it.*

3.  Press **SELECT** once to begin programming. You will see the display change to **[ALL MODE]**.

VOL LOCK → ALL MODE

To unlock one mode, skip to step 4. Otherwise press **SELECT** once to unlock all modes. You will see the display change to **[UNLOCKED]** and then **[EXIT SETUP]** as the remote control automatically exits the programming mode and returns to normal operation.

UNLOCKED → EXIT SETUP

4.  or  (Optional) Press **▲** (or **▼**) once. You will see the display change to **[ONE MODE]**.

ALL MODE → ONE MODE

- a.  Press **SELECT** once. You will see the display change to **[SEL MODE]**.

ONE MODE → SEL MODE

- b.  Press a mode key once (e.g., **TV**) to unlock it. You will see the display change to **[UNLOCKED]** and return to **[SEL MODE]**.

UNLOCKED → SEL MODE

- c.  If desired, repeat step 4b as needed to unlock volume controls for other devices. Otherwise, press **EXIT** to exit the programming mode. You will see an **[EXIT SETUP]** message as the remote control returns to normal operation.

EXIT SETUP

USING MACROS

With programming, the **M1** through **M3** keys on your URC-9910 remote control can be setup to perform repetitive, time-consuming operations for easy, convenient access through the press of a single key. Macro keys are ideal for home theater operations, setting a favorite channel, guide steps, or other multiple functions you would like to control with one key press. Moreover, each macro key can hold up to 15 key presses total.

NOTE: Programming a new macro over an existing one will erase the original macro.

Programming A Favorite Channel

With so many channels available through your cable or satellite system provider, you can program a macro that directly selects a favorite channel with one key press. For example, let's assume your favorite cable programs are on channel 71. Perform the following steps to program a macro key for direct access of this channel:

NOTE: This example assumes the TV tuner is connected directly to the cable line and not through a cable converter.

1.  On the URC-9910 remote control, press and hold **SET** until you see the display change from the current device and time to **[CODE SET]**.



NOTE: The device, its code, and time are examples. Your remote control settings may be different.

*NOTE: To exit programming at any time, press **EXIT** once or allow 30 seconds of inactivity to lapse. You will see **[EXIT SETUP]** as the remote control returns to normal operation.*

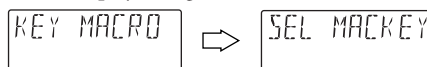
*NOTE: **[INVALID]** means you have inadvertently pressed an incorrect key. Note your error and continue programming.*

2.  (x 6) Press the **▼** key six times until you see the display change to **[KEY MACRO]**.



*NOTE: If you go past **[KEY MACRO]**, press the **▲** key one or more times to return to it.*

3.  Press **SELECT** once to begin programming. You will see the display change to **[SEL MACKEY]**.



4.  Select an open macro key (e.g., **M1**) and press it once. You will see the display change to **[ENTER SEQ.]**.



5. Enter a macro sequence of up to 15 keys. For our example, press the following keys once in this order:
TV - 7 - 1

*NOTE: If you have access to over 100 channels, add a **0** before the channel numbers (e.g., **0-7-1**). If the original remote control required pressing an Enter key to change the channel, also press the **Enter** key after the channel number (e.g., **0-7-1-ENTER**).*

*NOTE: An **[ERROR]** message, followed by **[MAX = 15]** alerts you that the macro sequence must be 15 keys or less.*

After pressing the first key (in the macro sequence), you will see the display change to **[SEL TO END]**. This message acts as a reminder to use **SELECT** to end the sequence (see next step).

ENTER SEQ → SEL TO END

6.  To end the macro sequence, press and hold **SELECT** until you see **[SUCCESS]** appear in the display, followed by **[EXIT SETUP]**. The URC-9910 remote control will automatically exit the programming mode and return to normal operation.

SUCCESS → EXIT SETUP

Now when you press **M1**, you will instantly see cable channel 71 on your TV set.

Programming A Master Power Key With Instant Channel Selection

A macro key can be programmed to turn on and off your devices as well. For example, let's set up a sequence that will turn on the TV and tune it to channel 3, and then turn on the cable converter and tune it to a premium channel (e.g., 11).

NOTE: This example assumes all equipment is turned off and that the TV is connected through the cable converter with TV tuning set to channel 3.

1.  Perform steps 1 through 4 of the previous section, *Programming A Favorite Channel* on page 34. However, this time in step 4, substitute another open macro key (e.g., **M2**).

2. Enter a macro sequence of up to 15 keys. For our example, press the following keys once in this order:
CBL - POWER - TV - POWER - 0-3 - CBL - 1-1

*NOTE: If you have access to over 100 channels, add an **0** before each set of channel numbers (e.g., **0-0-3** and **0-1-1**). If the original remote control required pressing an Enter key to change the channel, also press the **Enter** key after each channel number (e.g., **0-0-3-ENTER** and **0-1-1-ENTER**).*

continued on next page...

USING MACROS

Programming A Master Power Key With Instant Channel Selection (continued)

NOTE: An [ERROR] message, followed by [MAX = 15] alerts you that the macro sequence must be 15 keys or less.

3. After pressing the first key (in the macro sequence), you will see the display change to [SEL TO END]. This message acts as a reminder to use **SELECT** to end the sequence (see next step).

ENTER SEQ → SEL TO END

4.  To end the macro sequence, press and hold **SELECT** until you see [SUCCESS] appear in the display, followed by [EXIT SETUP]. The remote control will automatically exit the programming mode and return to normal operation.

SUCCESS → EXIT SETUP

Now when you press **M2** once, the cable converter and TV will turn on, the TV will tune to channel 03, and then the cable converter will tune to channel 11.

Clearing A Macro

1. Perform steps 1 through 4 of the earlier section, *Programming A Favorite Channel* on page 34. However, this time in step 4, select a macro key you want to be cleared (e.g., **M1 ~ M3**).
2.  Press and hold **SELECT** to clear the macro key. You will see the display change to [SEL TO END]. This message acts as a reminder to use **SELECT** to end the sequence (see next step).

ENTER SEQ → SEL TO END

3.  Continue pressing **SELECT** until you see [SUCCESS] appear in the display, followed by [EXIT SETUP]. The URC-9910 remote control will automatically exit the programming mode and return to normal operation.

SUCCESS → EXIT SETUP

RE-ASSIGNING DEVICE KEYS

The URC-9910 remote control can control a second TV, VCR, DVD player, or other device by using the *Mode Map* feature. For example, to control a TV, a cable converter, and two VCRs, you will need to re-assign the unused **AUX** key to operate the second VCR as follows:



On the URC-9910 remote control, press and hold **SET** until you see the display change from the current device and time to **[CODE SET]**.



NOTE: The device, its code, and time are examples. Your remote control settings may be different.

*NOTE: To exit programming at any time, press **EXIT** once or allow 30 seconds of inactivity to lapse. You will see **[EXIT SETUP]** as the remote control returns to normal operation.*

*NOTE: **[INVALID]** means you have inadvertently pressed an incorrect key. Note your error and continue programming.*



Press the **▼** key seven times until you see the display change to **[MODE MAP]**.



*NOTE: If you go past **[MODE MAP]**, press the **▲** key one or more times to return to it.*



Press **SELECT** once to begin programming. You will see the display change to **[FROM MODE]**.



Select a mode to be copied (e.g., **VCR**) and press it once. You will see the display change to **[TO MODE]**.



Select a mode to be re-assigned (e.g., **AUX**) and press it once. You will see the display change to **[SUCCESS]**, followed by **[EXIT SETUP]**. The URC-9910 remote control will automatically exit the programming mode and return to normal operation.



6.

The **AUX** key is now ready to be programmed as your second VCR. See *Programming Device Control* on page 10.

continued on next page...

RE-ASSIGNING DEVICE KEYS (continued)

To re-assign other device keys to the **AUX** key, repeat steps 1 through 6 on the previous page but substitute the key sequence from the below chart:

To Re-Assign Device Key	Perform Sequence
AUX as 2nd TV key:	SET* - ▼ (x 7) - SELECT - TV - AUX
AUX as 2nd DVD key:	SET* - ▼ (x 7) - SELECT - DVD - AUX
AUX as 2nd SAT key:	SET* - ▼ (x 7) - SELECT - SAT - AUX
AUX as 2nd CD key:	SET* - ▼ (x 7) - SELECT - CD - AUX
AUX as 2nd CBL key:	SET* - ▼ (x 7) - SELECT - CBL - AUX
AUX as 2nd RCVR/AMP key:	SET* - ▼ (x 7) - SELECT - RCVR/AMP - AUX

NOTE: Press and hold **SET (see step 1 on previous page).*

You can also re-assign another unused device key by substituting an open key for the **AUX** key in the above chart and performing the sequence. For example, to re-assign an unused **SAT** key as a second **CD** key, perform **SET***- ▼ (x 7) - **SELECT** - **CD** - **SAT**.

USING KEYMOVER

The URC-9910 remote control includes a *Keymover* feature that allows you to map (or copy) keys from one mode (i.e., source mode) to another mode (i.e., destination mode).

*NOTE: The following keys cannot be used as a source or destination: **TV**, **VCR**, **DVD**, **AUX**, **SAT**, **CBL**, **RCVR/AMP**, **CD**, **HOME THEATER**, and **SET**.*

Programming Keymover

For example, if your VCR does not have volume control, try mapping the volume and mute keys from **TV** mode to **VCR** mode as follows:

1.  On the URC-9910 remote control, press and hold **SET** until you see the display change from the current device and time to **[CODE SET]**.



NOTE: The device, its code, and time are examples. Your remote control settings may be different.

*NOTE: To exit programming at any time, press **EXIT** once or allow 30 seconds of inactivity to lapse. You will see **[EXIT SETUP]** as the remote control returns to normal operation.*

*NOTE: **[INVALID]** means you have inadvertently pressed an incorrect key. Note your error and continue programming.*

2.  (x 8) Press the ▼ key eight times until you see the display change to **[KEYMOVER]**.

CODE SET → KEYMOVER

NOTE: If you go past [KEYMOVER], press the ▲ key one or more times to return to it.

3. 

Press **SELECT** once to begin programming. You will see the display change to [FROM MODE].

KEYMOVER → FROM MODE

4. 

Select a source mode (e.g., **TV**) and press it once. You will see the display change to [FROM KEY].

FROM MODE → FROM KEY

5. 

Select a source key (e.g., **VOL+**) and press it once. You will see the display change to [TO MODE].

FROM KEY → TO MODE

6. 

Select a destination mode (e.g., **VCR**) and press it once. You will see the display change to [TO KEY].

TO MODE → TO KEY

7. 

Select a destination key (e.g., **VOL+**) and press it once. You will see the display change to [SUCCESS], followed by [EXIT SETUP]. The URC-9910 remote control will automatically exit the programming mode and return to normal operation.

SUCCESS → EXIT SETUP

8.

Repeat steps 1 through 7 twice more, substituting **VOL-** and **MUTE** as source and destination keys in steps 5 and 7.

Upon completion of the above procedure, you can now use your URC-9910 remote control to control the TV's volume and mute in the VCR mode, as well as in the TV mode.

Restoring Keymoved Keys to Default Settings

Restoring A Single Keymoved Key

1. 

Perform steps 1 through 7 of the previous section, *Programming Keymover* on the previous page. However, this time in step 6, make the destination mode the same as the source mode (e.g., **TV**). You will see the display change to [CLR KMVR].

TO KEY → CLR KMVR

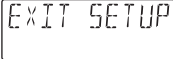
continued on next page...

USING KEYMOVER

Restoring Keymoved Keys to Default Settings

Restoring A Single Keymoved Key (continued)

2.  Press **SELECT** once to clear the keymoved key. You will see **[DELETED]** appear in the display, followed by **[EXIT SETUP]**. The URC-9910 remote control will automatically exit the programming mode and return to normal operation.

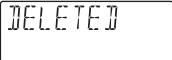
 → 

Restoring All Keymoved Keys In A Single Mode

1.  Perform steps 1 through 4 of the earlier section, *Programming Keymover* on page 38. However, this time in steps 3 and 4, make the source mode and source key the same mode (e.g., **TV**). You will see the display change to **[CLR KMVR]**.

 → 

2.  Press **SELECT** once to clear all keymoved keys from this mode. You will see **[DELETED]** appear in the display, followed by **[EXIT SETUP]**. The remote control will automatically exit the programming mode and return to normal operation.

 → 

USING CHANNEL SCAN

In the **TV**, **VCR**, **DVD**, **SAT**, and **CBL** modes, use the **FAV** key to start a 3-second scan of all favorite channels (if programmed – see *Programming Favorite Channel Scan* below) and/or all channels for the selected mode.

1. If *Favorite Channel Scan* has been set up, skip to step 2. Otherwise, on the URC-9910 remote control press **TV**, **VCR**, **DVD**, **SAT**, or **CBL** once.
2.  Press **FAV** once.
 - If *Favorite Channel Scan* has been set up, scanning of favorite channels will start and, upon completion, continue to scan all channels upward for the same device.
 - If *Favorite Channel Scan* has not been set up, scanning will start with the current channel, then proceed to the next channel up, and continue until all channels of the selected device is scanned. You will see the **LED** (red light) and IR transmission icon () blink each time a channel is scanned.
3. To stop scanning channels at any time, press any key once (except the backlight key ).

PROGRAMMING FAVORITE CHANNEL SCAN

In the **TV**, **VCR**, **DVD**, **SAT**, or **CBL** mode, you can store a list of up to 10 favorite channels, in any order, that will be immediately scanned when **FAV** is pressed (see *Using Channel Scan* above).

NOTE: Only channels of one mode can be stored for Favorite Channel Scan.

1.  On the URC-9910 remote control, press and hold **SET** until you see the display change from the current device and time to **[CODE SET]**.



NOTE: The device, its code, and time are examples. Your remote control settings may be different.

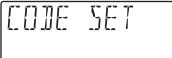
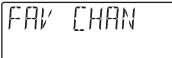
*NOTE: To exit programming at any time, press **EXIT** once or allow 30 seconds of inactivity to lapse. You will see **[EXIT SETUP]** as the remote control returns to normal operation.*

*NOTE: **[INVALID]** means you have inadvertently pressed an incorrect key. Note your error and continue programming.*

continued on next page...

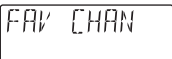
PROGRAMMING FAVORITE CHANNEL SCAN (continued)

2.  (x 4) Press the  key four times until you see the display change to **[FAV CHAN]**.

 → 

*NOTE: If you go past **[FAV CHAN]**, press the  key one or more times to return to it.*

3.  Press **SELECT** once to begin programming. You will see the display change to the last-selected device (e.g., **[VCR]**).

 → 

4.  Select a mode (e.g., **TV**) for favorite channel scanning and press it once. Then press **SELECT** once. You will see the display change to **[FAV]**.

 → 

5.  Use the keypad to enter a favorite channel number (e.g., **031**). The display will show your entry.

 → 

*NOTE: If the original remote control required pressing an Enter key to change the channel, also press the **ENTER** key after the channel number (e.g., **0-3-1-ENTER**). However, the display will not show the **ENTER** key.*

NOTE: If you made a mistake during entry, press any number key one or more times until you see the display clear out. Then try entering the correct numbers again.

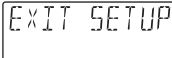
-  Press **SELECT** once. You will see the display clear out, ready for your next entry.

 → 

6. If desired, repeat step 5 for each favorite channel to be stored, up to a total of 10 channels.

NOTE: Once the tenth channel is entered, the remote control will automatically exit programming.

7.  (Optional) To exit programming, press and hold **SELECT** until you see **[SUCCESS]** appear in the display, followed by **[EXIT SETUP]**. The URC-9910 remote control will automatically exit the programming mode and return to normal operation.

 → 

USING THE HOME THEATER MODE

The URC-9910 remote control includes a custom *Home Theater* mode. After the **HOME THEATER** key is programmed, it will allow you to access five groups of remote control keys without having to change device modes. However, there are some considerations.

- *Keymoved* and *Learned* functions, as well *Macros* programmed onto keys other than the dedicated macro keys (**M1 ~ M3**), are affected by the *Home Theater* mode. If keys are moved (using *Keymover*) or learned onto (using *Learning*) and they are placed on keys not within the Control Groups, the keys will be ignored when pressed.
- A *Macro* on the **POWER** key (if applicable) will carry over to the *Home Theater* mode.

Control Organization

About Control Groups

For *Home Theater* programming, the URC-9910 remote control's keys are grouped by type of control into the following five control groups:

- (1) *Playback Controls*: **PLAY, STOP, FWD, REW, F.FWD, F.REW, PAUSE, and REC**
- (2) *Audio Controls*: **VOL+, VOL-, and MUTE**
- (3) *Channel Controls*: **CH+, CH-, (Keypad) 0 ~ 9, ENTER, LAST, SLEEP, INFO, and TV/VID**
- (4) *Menu Controls*: **MENU, GUIDE, Cursor Controls (▲, ▼, ◀, ▶), SELECT, and EXIT**
- (5) *PIP Controls*: **PIP, MOVE, and SWAP**

About Device Groups

Moreover, the URC-9910 remote control's devices are grouped into the following five device groups:

- (1) *Playback Group*: **VCR, DVD, CD, CBL, SAT, and RCVR/AMP**
- (2) *Audio Group*: **TV, VCR, CBL, SAT, DVD, CD, RCVR/AMP, and AUX**
- (3) *Channel Group*: **TV, VCR, CBL, SAT, DVD, CD, RCVR/AMP, and AUX**
- (4) *Menu Group*: **TV, VCR, CBL, SAT, and DVD**
- (5) *PIP Group*: **TV, VCR, CBL, and SAT**

continued on next page...

USING THE HOME THEATER MODE

Control Organization

About Device Groups (continued)

The default Device Group settings from the factory is:

- (1) Playback Group: **VCR**
- (2) Audio Group: **TV**
- (3) Channel Group: **CBL**
- (4) Menu Group: **CBL**
- (5) PIP Group: **TV**

Programming The Home Theater Mode

For example, let's assume you have a TV, a cable converter, and a VCR in your home theater system. You can set up the Home Theater mode so that selected controls are assigned to these devices as follows:

1.  On the URC-9910 remote control, press and hold **SET** until you see the display change from the current device and time to **[CODE SET]**.



NOTE: The device, its code, and time are examples. Your remote control settings may be different.

*NOTE: To exit programming at any time, press **EXIT** once or allow 30 seconds of inactivity to lapse. You will see **[EXIT SETUP]** as the remote control returns to normal operation.*

*NOTE: **[INVALID]** means you have inadvertently pressed an incorrect key. Note your error and continue programming.*

2.  (x 3) Press the **▲** key three times until you see the display change to **[THEATER]**.



*NOTE: If you go past **[THEATER]**, press the **▼** key one or more times to return to it.*

3.  Press **SELECT** once to begin programming. You will see the display change to **[PLAYBACK]**.



*NOTE: The program will automatically step through each Control Group (from Playback to PIP) as you perform steps 3 through 7. However, you can use the **▲** or **▼** keys to navigate to a specific group to make further changes.*



- a. Press **SELECT** once to enter *Playback Control Group* assignment. You will see the display change to the last-selected device (e.g., **[TV]**).

PLAYBACK → TV



- b. Select a device for *Playback Control Group* assignment. For this example, press **VCR** once. This will assign the entire group of *Playback Controls* (i.e., **PLAY, STOP, FF, REW, F.FWD, F.REW, PAUSE, and REC**) to the VCR. You will see the display change to your device choice (e.g., **[VCR]**).

TV → VCR



- c. Press **SELECT** once to accept the assignment in step 3b. You will see the display change to the next *Control Group* assignment, **[AUDIO]**.

VCR → AUDIO



4. Press **SELECT** once to enter *Audio Control Group* assignment. You will see the display change to the last-selected device (e.g., **[VCR]**).

AUDIO → VCR



- a. Select a device for *Audio Control Group* assignment. For this example, press **TV** once. This will assign the entire group of *Audio Controls* (i.e., **VOL+, VOL-, and MUTE**) to the TV. You will see the display change to your device choice (e.g., **[TV]**).

VCR → TV



- b. Press **SELECT** once to accept the assignment in step 4a. You will see the display change to the next *Control Group* assignment, **[CHANNEL]**.

TV → CHANNEL



5. Press **SELECT** once to enter *Channel Control Group* assignment. You will see the display change to the last-selected device (e.g., **[TV]**).

CHANNEL → TV

continued on next page...

USING THE HOME THEATER MODE

Programming The Home Theater Mode

5. (continued)



- a. Select a device for *Channel Control Group* assignment. For this example, press **CBL** once. This will assign the entire group of *Channel Controls* (i.e., **CH+**, **CH-**, (Keypad) **0 ~ 9**, **ENTER**, **LAST**, **SLEEP**, **INFO**, and **TV/VID**) to the cable converter. You will see the display change to your device choice (e.g., **[CBL]**).

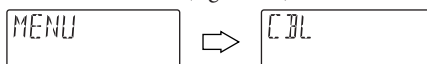


- b. Press **SELECT** once to accept the assignment in step 5b. You will see the display change to the next *Control Group* assignment, **[MENU]**.



6.

- Press **SELECT** once to enter *Menu Control Group* assignment. You will see the display change to the last-selected device (e.g., **[CBL]**).



- a. Select a device for *Menu Control Group* assignment. For this example, press **CBL** once. This will assign the entire group of *Menu Controls* (i.e., **MENU**, **GUIDE**, Cursor Controls (**▲**, **▼**, **◀**, **▶**), **SELECT**, and **EXIT**) to the cable converter. You will see the display change to your device choice (e.g., **[CBL]**).



- b. Press **SELECT** once to accept the assignment in step 6a. You will see the display change to the next *Control Group* assignment, **[PIP]**.



7.

- Press **SELECT** once to enter *PIP Control Group* assignment. You will see the display change to the last-selected device (e.g., **[CBL]**).



- a. Select a device for *PIP Control Group* assignment. For this example, press **TV** once. This will assign the entire group of *PIP Controls* (i.e., **PIP**, **MOVE**, and **SWAP**) to the TV. You will see the display change to your device choice (e.g., **[TV]**).

CL → TV



- b. Press **SELECT** once to accept the assignment in step 7a. You will see the display change to the first *Control Group* assignment, **[PLAYBACK]**.

TV → PLAYBACK

8. ▲ or ▼ At this point, all *Control Groups* have been assigned. To change an assignment, use the ▲ or ▼ keys to navigate to a specific group and make changes by repeating the appropriate step (3, 4, 5, 6, or 7).



Otherwise, to exit programming, press and hold **SELECT** until you see **[SUCCESS]** appear in the display, followed by **[EXIT SETUP]**. The URC-9910 remote control will automatically exit the programming mode and return to normal operation.

SUCCESS → EXIT SETUP

Operating The Home Theater Mode

After programming the Home Theater mode (see the previous section), you simply activate it by pressing **HOME THEATER** once. Instantly, groups of URC-9910 remote control keys will be assigned to their programmed devices.

For the above example (in the previous section), pressing **HOME THEATER** once would assign the following keys to the VCR, TV, and cable converter:

VCR: **PLAY, STOP, FF, REW, F.FWD, F.REW, PAUSE, and REC**

TV: **VOL+, VOL-, MUTE, PIP, MOVE, and SWAP**

Cable Converter: **CH+, CH-, (Keypad) 0 ~ 9, ENTER, LAST, SLEEP, INFO, TV/VID, MENU, GUIDE, Cursor Controls (▲, ▼, ◀, ▶), SELECT, and EXIT**

USING COMMERCIAL SKIP

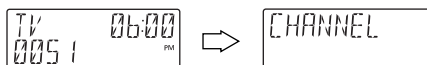
The URC-9910 remote control includes a unique *Commercial Skip* feature, once programmed, that will allow you to skip viewing commercials by pressing the **COM SKIP** key. Then, as you change channels (to view another program without commercials), an internal timer will count down a preset time interval before returning the device to the original channel.

Programming Commercial Skip

For example, let's assume you are watching a national sports event on channel 2 that consistently breaks for one-minute commercials. Meanwhile, cable channel 26 is showing a favorite action movie without commercials. By performing the following steps, you can set *Commercial Skip* to automatically return the cable converter to the sports event after one minute of viewing the movie:

NOTE: *Commercial Skip* only works in the following modes: **TV**, **VCR**, **DVD**, **CBL**, and **SAT**.

1.  Select the device where channels will be changed (e.g., **CBL**).
2.  On the URC-9910 remote control, press and hold **COM SKIP** until you see the display change from the current device and time to **[CHANNEL]**.



NOTE: The device, its code, and time are examples. Your remote control settings may be different.

NOTE: To exit programming at any time, press **EXIT** once or allow 30 seconds of inactivity to lapse. You will see **[EXIT SETUP]** as the remote control returns to normal operation.

NOTE: **[INVALID]** means you have inadvertently pressed an incorrect key. Note your error and continue programming.

3.  Use the keypad to enter a favorite channel number (e.g., **002**). The display will show your entry.



NOTE: If the original remote control required pressing an Enter key to change the channel, also press the **ENTER** key after the channel number (e.g., **0-0-2-ENTER**). However, the display will not show the **ENTER** key.

NOTE: If you made a mistake during entry, press **EXIT** once. You will see **[EXIT SETUP]** as the remote control returns to normal operation. Then try programming *Commercial Skip* again starting with step 1.

4.  Press **SELECT** once to accept your channel entry. You will see the display change to **[30 SEC]**.

CBL 002 → 30 SEC

5. ▲ or ▼ If desired, press ▲ (or ▼) one or times to select a different time interval. Your choices are 30 (default), 60, 90, 120, 150, or 180 seconds. For this example, select 60 seconds.

30 SEC → 60 SEC

6.  Press **SELECT** once to accept the 60-second setting. You will see **[SUCCESS]** appear in the display, followed by **[EXIT SETUP]**. The URC-9910 remote control will automatically exit the programming mode and return to normal operation.

SUCCESS → EXIT SETUP

Operating Commercial Skip

In our example, let's assume you are watching a national sports event on cable channel 2 and it looks like a commercial is about to appear. Immediately, press **COM SKIP** once and then enter channel 26 (e.g. **026**).

The cable converter will switch to channel 26 and, after 1 minute, automatically return to channel 2. The next time a commercial appears, try pressing **COM SKIP** once, followed by **PREV** once to activate the same sequence.

For a more powerful *Commercial Skip* technique, try programming these steps into an open macro key (see *Using Macros* on page 34). This way you will be able to press one key to switch channels and return after a preset time.

RESTORING FACTORY DEFAULT SETTINGS

The URC-9910 remote control includes an *Operation Reset* program that you can use to restore the unit to factory default settings.

IMPORTANT: Executing this program will erase all custom settings, including Home Theater assignments, Macros, Learned Keys, Keymoved Keys, and all device assignments.

1.  On the URC-9910 remote control, press and hold **SET** until you see the display change from the current device and time to **[CODE SET]**.



NOTE: The device, its code, and time are examples. Your remote control settings may be different.

*NOTE: To exit programming at any time, press **EXIT** once or allow 30 seconds of inactivity to lapse. You will see **[EXIT SETUP]** as the remote control returns to normal operation.*

*NOTE: **[INVALID]** means you have inadvertently pressed an incorrect key. Note your error and continue programming.*

2.  (x 2) Press the **▲** key twice until you see the display change to **[OPS RESET]**.



*NOTE: If you go past **[OPS RESET]**, press the **▼** key one or more times to return to it.*

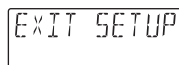
3.  Press **SELECT** once to begin programming. You will see the display change to **[CLR SETUP]**.



4.  Press **SELECT** once to start the process. You will see the display change to **[RESET RAM]** as the active memory is cleared, followed by **[RESET E2]** as the preprogrammed memory is restored.



Then you will see **[EXIT SETUP]** as the URC-9910 remote control automatically exits the programming mode and returns to normal operation.



ABOUT UPGRADING

The URC-9910 remote control has the largest infrared code library available. However, if you purchase a brand new home entertainment or home automation device, it may not respond to the codes stored in the remote control's memory.

If this happens, please contact our Customer Support department (see *Customer Support* on page 57) to upgrade the URC-9910 remote control. The Customer Support representative will search our entire database for a code that matches your device and instruct you how to enter it into your URC-9910 remote control.

If the code for your home entertainment or home automation device is not in our database, we will need to "capture" the code for that device from its original remote control. A new code would then be created and entered into your URC-9910 remote control. If necessary, the Customer Support representative can instruct you how to begin the capture procedure.

NOTE: One For All reserves the right to replace a returned remote control with a new one of equal or superior functionality.

Upgrade Exclusions

- Home entertainment or home automation devices controlled by radio frequency (RF/UHF), wired, or ultrasonic remote controls. Only devices controlled by infrared remote controls are covered.
- Home entertainment or home automation devices not controlled by remote controls.
- Broken or defective product.
- Products that operate over 100 kHz.
- Infrared keyboards and infrared pointing devices (such as mouse substitutes).
- All products for sale and/or use outside the continental United States, Hawaii, Alaska, or Canada.

USING THE IR/RF COMMAND CENTER

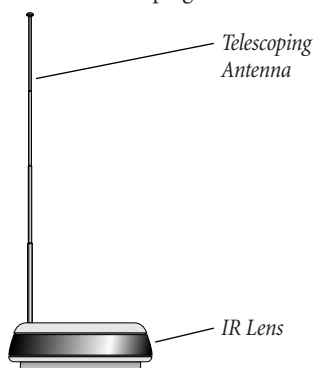
The One For All IR/RF LCD 8-Device With Learning Universal Remote Control (URC-9910) comes with an *IR/RF Command Center* which receives radio-frequency (RF) signals from the URC-9910 remote control, anywhere in your home, up to 100 feet away. Once it is set up, the *IR/RF Command Center* will convert the RF signals into Infrared (IR) signals to control your home theater devices.

NOTE: The URC-9910 remote control transmits both an IR and an RF signal simultaneously. It is your option whether you want to install the IR/RF Command Center for extended remote control range. If you choose to do so, during testing do not aim the URC-9910 remote control at your home entertainment devices to verify that RF transmission is working.

NOTE: The RF signal transmitted by the URC-9910 remote control, only works with the IR/RF Command Center.

Setting Up The IR/RF Command Center

1. Find a location approximately 8 feet in front of your home theater devices. It should provide (line-of-sight) access to your equipment and a power outlet to plug in the *IR/RF Command Center*.
2. Plug in the *IR/RF Command Center's* power cord and raise the telescoping antenna.



3. Position the *IR/RF Command Center* so the black *IR Lens* is aimed at your home theater devices.
4.  To test the *IR/RF Command Center*, take the URC-9910 remote control into another room in your home, up to 100 feet away. Select a device key (e.g., **TV**) and press it once. Then press **POWER** once. The device (e.g., **TV**) should turn on.

 POWER

If it does not turn on, review the steps 1 through 3 and make any adjustments. Try step 4 again. If you continue to have a problem, perhaps there is an IR line-of sight problem. Try adding the enclosed *IR Signal Extension Cord* (see next page). Also review the tips in *Optimizing IR/RF Command Center Reception* on page 54.

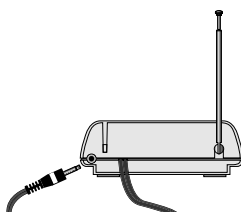
Adding The IR Signal Extension Cord

Included with the URC-9910 remote control package is an *IR Signal Extension Cord* for use with a home theater device that is not in direct line-of-sight of the *IR/RF Command Center*.

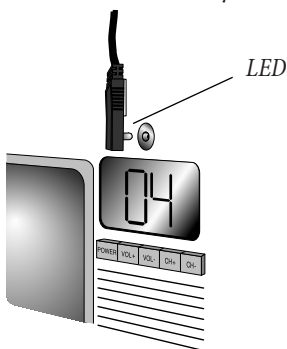


If you are having problems remotely controlling a home theater device from another room, try performing the following installation:

1. Plug the 4-foot *IR Signal Extension Cord* into the back of the *IR/RF Command Center*.



2. Run the *IR Signal Extension Cord* to the device that is not in line-of-sight of the *IR/RF Command Center*.
3. Using the supplied double-sided tape, attach the *IR Signal Extension Cord* so that its *LED* is over or next to the IR sensor of your home theater device.



4. TV Test the installation by again taking the URC-9910 remote control into another room in your home, up to 100 feet away. Select a device key (e.g., **TV**) and press it once. Then press **POWER** once.

The *IR/RF Command Center* will convert the RF signal from the URC-9910 remote control into an IR signal and transmit that signal through the *IR Signal Extension Cord* to turn on your device (e.g., **TV**).

If it does not turn on, try repositioning the *LED* until the device can be controlled, then re-attach the *LED*.

USING THE RF/IR COMMAND CENTER (continued)

Optimizing IR/RF Command Center Reception

Here are some adjustment tips for optimizing the operation of your IR/RF Command Center:

- Aim the URC-9910 remote control toward the room where the *IR/RF Command Center* is located.
- Do not position the *IR/RF Command Center* near metal objects, such as heat ducts. Metal can absorb RF signals.
- Make sure the batteries in the URC-9910 remote control are fully charged. Try replacing them if you are not sure (see *Installing Batteries* on page 4). Weak batteries will affect the single range.
- Make sure that the URC-9910 remote control is not being affected by other RF transmissions (e.g., garage door openers, cordless telephones, etc.).

NOTE: The tests for range limits of the URC-9910 remote control and the IR/RF Command Center were conducted in open-air distance tests. Actual signal distance will be based on the construction of the building the unit is being used in, as well as other factors, such as outside interference.

SPECIFICATIONS

Remote Control Power	4 AAA Batteries
IR/RF Console Power	120 Vac
Remote Control to IR/RF Console Range	100 Feet (30.48 m)
IR/RF Command Console to Device Range	25 Feet (7.62 m) $\pm$ 30°
Remote Control Dimensions	
(H x W x D)	9-2/16 x 2-10/16 x 2-3/16 in.
(H x W x D)	232 x 65 x 31 mm
IR/RF Command Console Dimensions	
(H x W x D)	1-9/16 x 5-1/16 x 4 in
(H x W x D)	39.7 x 128.6 x 101.6 mm
Remote Control Weight (without Batteries)	8 oz (220 g)
IR/RF Command Console Weight	10.4 oz (300 g)

NOTE: Specifications are typical. Individual units might vary. Specifications are subject to change and improvement without notice.

TROUBLESHOOTING

PROBLEM:	LCD (Liquid Crystal Display) begins to fade, does not appear, or the LOW BATTERY () icon appears.
SOLUTION:	Replace the batteries with four (4) new AAA alkaline batteries (see page 4).
PROBLEM:	LED (red light) and IR () icon blinks when you press a key, but home entertainment device does not respond.
SOLUTION:	Be sure to select the correct device key for the device you want to control. Also, aim the URC-9910 remote control at the device not farther than 15 feet away (if not using the <i>IR/RF Command Center</i>). Or try installing the <i>IR/RF Command Center</i> for greater range (see page 52).
PROBLEM:	The URC-9910 remote control does not control home entertainment devices or commands do not work properly.
SOLUTION:	Try all listed codes for the device brands being set up. Make sure they originally can be operated with an infrared remote control.
PROBLEM:	TV/VCR combo does not respond properly.
SOLUTION:	Use the VCR codes for your brand. Some combo units may require both a TV code and a VCR code for full operation.
PROBLEM:	The URC-9910 remote control does not turn on Sony or Sharp TV/VCR Combo.
SOLUTION:	For Power On, these products require programming TV codes. For Sony, use TV code 0000 and VCR code 0032. For Sharp, use TV code 0093 and VCR code 0048.
PROBLEM:	Changing channels does not work properly.
SOLUTION:	If original remote control required pressing ENTER to change channels, press ENTER on the URC-9910 remote control after entering the channel number.
PROBLEM:	During learning, the display shows an [ERROR] message after pressing and holding a key to be learned.
SOLUTION:	A bad capture has occurred. Avoid high-ambient light sources, such as direct daylight and fluorescent bulbs. Also, try readjusting positions of remote controls before performing the procedure again. Make sure the key(s) on the original remote control is (are) operating correctly.
PROBLEM:	CH+ and CH- do not work for your RCA TV.
SOLUTION:	Due to RCA design (1983-1987), only the original remote control will operate these functions.
PROBLEM:	No remote control of volume.
SOLUTION:	See <i>Using Volume Lock</i> on page 32 to lock/unlock the volume controls.
PROBLEM:	Tried <i>Search For Your Code</i> method and still could not find a working code.
SOLUTION:	Your device may be newer than the URC-9910 remote control. See <i>About Upgrading</i> on page 51.

continued on next page...

TROUBLESHOOTING (continued)

PROBLEM:	The URC-9910 remote control turns on audio devices and controls volume, but does not change preset channels.
SOLUTION:	Some products may need both a Tuner/Receiver code and an Audio Amplifier code for remote control of all features on your audio device.
PROBLEM:	Your satellite (DSS) receiver does not respond to the codes listed on page 18.
SOLUTION:	Make sure the satellite (DSS) receiver can be operated with an Infrared (IR) remote control and is not set up to receive only Radio Frequency (RF) signals.

ERROR MESSAGES

INVALID	A wrong key sequence or incorrect data has been entered. Try entry again.
NOT FOUND	Requested manufacturer's code has not been found in the remote control's database. Try another code.
MAX-15	Macro sequence being entered has reached the maximum limit of 15 keystrokes. Try entry again with fewer keystrokes.
END CYCLE	A complete cycle of code search in the URC-9910 remote control's database has been reached. Try another code search or contact <i>Customer Support</i> (see next page)
ERROR	An error has occurred during a learning or programming sequence. Try entry again.
BAD E2	Indicates a check result of E2 status is either bad or is not present. Contact <i>Customer Support</i> (see next page).
MEM FULL	Indicates data captured during learning has filled the URC-9910 remote control's memory. Try deleting older learned keys to free up memory space (see page 31).
MEM FAULT	Indicates data captured during learning has caused a error in the URC-9910 remote control's memory. Try learning again.

CUSTOMER SUPPORT

For assistance, please contact us in any of the following ways:

- E-mail: ofasupport@ueic.com
- Internet: <http://www.oneforall.com>
- Consumer Help Line: (330) 405-8616

COMPLIANCE WITH FCC RULES AND REGULATIONS

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and radiates radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiver antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet that is different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

The user is cautioned that changes and modifications made to the equipment without the approval of the manufacturer could void the user's authority to operate his equipment.

FCC Authorization Label

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference and
2. This device must accept any interference received, including interference that may cause undesired operation.

FCC ID #: IMP9910

IR/RF LCD 8-Device With Learning: URC-9910

Command Center:  Tested To Comply
With FCC Standards

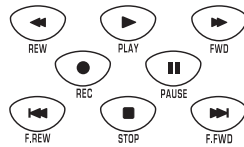
IC:1700-IMPKH9P

The term "IC: 1700-IMPKH9P" before the certification/registration number only signifies that the Industry Canada technical specifications were met."

KEY INDEX

Audio Amplifier Functions

	Press RCVR/AMP once to control your audio amplifier.
	Press POWER once to turn on or off the selected device (e.g., RCVR/AMP).
	Use GUIDE to display your audio amplifier's program guide or setup menu.
	Use INFO to display the audio amplifier's program information.
	Use SELECT to set the surround sound. Use ▲ (or ▼) to adjust the volume higher (or lower). Use ◀ (or ▶) to adjust the balance left (or right).
	Use VOL+ (or VOL-) to raise (or lower) the audio amplifier's audio volume.
	Press MUTE once to turn the audio amplifier's audio off or on.
	Use CH+ (or CH-) to select the audio amplifier's next higher (or lower) station (if applicable).
	Use PREV to change the radio band (if applicable).
	Use the keypad (1 ~ 9 and 0) to select audio sources (e.g., 1 ~ 10). If the original remote control required pressing an Enter key to change the audio source, also press the ENTER key after the source number (e.g., 9 - ENTER).
	Press ENTER once after entering the source numbers on some audio amplifiers.
	Use TV/VID to switch the audio amplifier between input and output.



Use the transport keys to control your CD player (if applicable).



Use **SLEEP** to activate your audio amplifier's sleep timer (not available for all devices).



After programming, press **M1** ~ **M3** once to run a desired macro (see *Using Macros* on page 34).



After programming, press **L1** ~ **L4** once to activate a learned function. See *Using Learning* on page 29.



Use to turn on or off the key backlight. When this feature is activated, keys will remain backlit for 5 seconds after the last key press. In the setup mode, backlighting will remain on for 30 seconds.



Use **SET** for all programming sequences.

Audio Cassette Deck Functions



Press **AUX** once to control your audio cassette deck. See *Re-assigning Device Keys* on page 37.



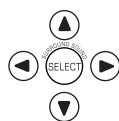
Press **POWER** once to turn on or off the selected device (e.g., **AUX**).



Use **GUIDE** to display your audio cassette deck's program guide (if applicable).



Use **INFO** to display the audio cassette deck's program information.



Use the cursor keys (, , , or) to move the cursor in the audio cassette deck's program guide and menu screens. Use **SELECT** to choose options from the menu or guide.



Use **VOL+** (or **VOL-**) to raise (or lower) the audio cassette deck's audio volume (if applicable).

continued on next page...

KEY INDEX

Audio Cassette Deck Functions (continued)



Press **MUTE** once to turn the audio cassette deck's audio off or on (if applicable).



Use the keypad (**1 ~ 9** and **0**) to directly select tracks. If the original remote control required pressing an Enter key to select a track, also press the **ENTER** key after the track number (e.g., **1-2-ENTER**).



Use **TV/VID** to switch the audio cassette deck between input and output.



Use the transport keys to control your audio cassette deck.



After programming, press **M1 ~ M3** once to run a desired macro (see *Using Macros* on page 34).



After programming, press **L1 ~ L4** once to activate a learned function. See *Using Learning* on page 29.



Use to turn on or off the key backlight. When this feature is activated, keys will remain backlit for 5 seconds after the last key press. In the setup mode, backlighting will remain on for 30 seconds.



Use **SET** for all programming sequences.

Audio Receiver Functions



Press **RCVR/AMP** once to control your audio receiver.



Press **POWER** once to turn on or off the selected device (e.g. **RCVR/AMP**).



Use **GUIDE** to display your audio receiver's program guide or setup menu.



Use **INFO** to display the audio receiver's program information.



Use **SELECT** to set the surround sound. Use ▲ (or ▼) to adjust the volume higher (or lower). Use ◀ (or ▶) to adjust the balance left (or right).



Use **VOL+** (or **VOL-**) to raise (or lower) the audio receiver's audio volume.



Press **MUTE** once to turn the audio receiver's audio off or on.



Use **CH+** (or **CH-**) to select the audio receiver's next higher (or lower) station (if applicable).



Use **PREV** to change the radio band (if applicable).



Use the keypad (**1 ~ 9** and **0**) to select audio sources (e.g., **1 ~ 10**). If the original remote control required pressing an Enter key to change the audio source, also press the **ENTER** key after the source number (e.g., **9 - ENTER**).



Press **ENTER** once after entering the source numbers on some audio receivers.

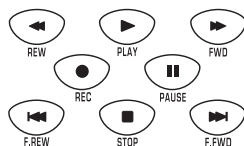


Use **TV/VID** to switch the audio receiver between input and output.

continued on next page...

KEY INDEX

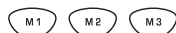
Audio Receiver Functions (continued)



Use the transport keys to control your CD player (if applicable).



Use **SLEEP** to activate your audio receiver's sleep timer (not available for all devices).



After programming, press **M1 ~ M3** once to run a desired macro (see *Using Macros* on page 34).



After programming, press **L1 ~ L4** once to activate a learned function. See *Using Learning* on page 29.



Use to turn on or off the key backlight. When this feature is activated, keys will remain backlit for 5 seconds after the last key press. In the setup mode, backlighting will remain on for 30 seconds.



Use **SET** for all programming sequences.

Audio Turntable Functions



Press **AUX** once to control your audio turntable. See *Re-assigning Device Keys* on page 32.



Press **POWER** once to turn on or off the selected device (e.g., **AUX**).



Use **GUIDE** to display your audio turntable's program guide (if applicable).



Use **INFO** to display the audio turntable's program information.



Use **SELECT** to select a disc. Use (or) to select the next (or previous) LP. Use (or) to select the next (or previous) track.



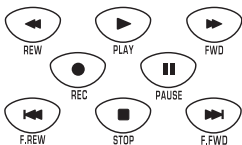
Use **VOL+** (or **VOL-**) to raise (or lower) the audio turntable's audio volume (if applicable).



Press **MUTE** once to turn the audio turntable's audio off or on (if applicable).



Use the keypad (**1 ~ 9** and **0**) to directly select tracks. If the original remote control required pressing an Enter key to select a track, also press the **ENTER** key after the track number (e.g., **1-2-ENTER**).



Use the transport keys to control your audio turntable (if applicable).



After programming, press **M1 ~ M3** once to run a desired macro (see *Using Macros* on page 34).



After programming, press **L1 ~ L4** once to activate a learned function. See *Using Learning* on page 29.



Use  to turn on or off the key backlight. When this feature is activated, keys will remain backlit for 5 seconds after the last key press. In the setup mode, backlighting will remain on for 30 seconds.



Use **SET** for all programming sequences.

KEY INDEX (Continued)

Cable Converter Functions

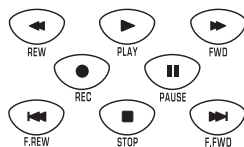
	Press CBL once to control your cable converter.
	Press POWER once to turn on or off the selected device (e.g, SAT).
	Press MENU once to display your cable converter's main menu.
	Use GUIDE to display your cable converter's program guide or setup menu.
	Use EXIT to exit from your cable converter's guide or menu.
	Use INFO to display the cable converter's current channel and program information.
	Use the cursor keys (▲ , ▼ , ◀ , or ▶) to move the cursor in the cable converter's program guide and menu screens. Use SELECT to choose options from the menu or guide.
	Use VOL+ (or VOL-) to raise (or lower) the cable converter's audio volume (if applicable).
	Press MUTE once to turn the cable converter's audio off or on (if applicable).
	Use FAV to scan favorite channels and/or all channels. See <i>Using Channel Scan</i> and <i>Programming Favorite Channel Scan</i> on page 41.
	Use CH+ (or CH-) to select the cable converter's next higher (or lower) channel.
	Press PREV once to recall the last-viewed channel and to page back one screen on the cable converter's main menu.
	Use the keypad (1 ~ 9 and 0) to directly select channels (e.g., 009 or 031). If the original remote control required pressing an Enter key to change the channel, also press the ENTER key after the channel number (e.g., 0-3-1-ENTER).



Press **ENTER** once after entering the channel numbers on some TVs.



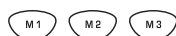
Use **TV/VID** to switch the TV's input to view TV or cable programs.



Use the transport keys to control your cable converter's VOD service (if applicable).



Use **SLEEP** to activate your cable converter's sleep timer (not available for all devices).



After programming, press **M1 ~ M3** once to run a desired macro (see *Using Macros* on page 34).



After programming, press **L1 ~ L4** once to activate a learned function. See *Using Learning* on page 29.



Use **PIP** to switch the Picture-In-Picture feature on or off (if available on your TV).



Use **MOVE** to move the window picture to different positions in the main picture.



Use **SWAP** to switch images and sound between the main and window pictures.



After programming, use **COM SKIP** to skip commercials on your cable converter. See *Using Commercial Skip* on page 48.



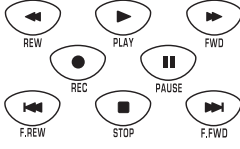
Use  to turn on or off the key backlight. When this feature is activated, keys will remain backlit for 5 seconds after the last key press. In the setup mode, backlighting will remain on for 30 seconds.



Use **SET** for all programming sequences.

KEY INDEX (continued)

CD Player Functions

	Press CD once to control your CD player.
	Press POWER once to turn on or off the selected device (e.g., CD).
	Use GUIDE to display your CD player's program guide.
	Use INFO to display the CD player's current channel and program information.
	Use SELECT to select a compact disc. Use ▲ (or ▼) to select the next (or previous) CD. Use ► (or ◄) to select the next (or previous) track.
	Use VOL+ (or VOL-) to raise (or lower) the CD player's audio volume (if applicable).
	Press MUTE once to turn the CD player's audio off or on (if applicable).
	Use the keypad (1 ~ 9 and 0) to directly select tracks. If the original remote control required pressing an Enter key to select a track, also press the ENTER key after the track number (e.g., 1-2-ENTER).
	Use the transport keys to control your CD player.
	After programming, press M1 ~ M3 once to run a desired macro (see <i>Using Macros</i> on page 34).
	After programming, press L1 ~ L4 once to activate a learned function. See <i>Using Learning</i> on page 29.



Use **?** to turn on or off the key backlight. When this feature is activated, keys will remain backlit for 5 seconds after the last key press. In the setup mode, backlighting will remain on for 30 seconds.



Use **SET** for all programming sequences.

DVD Player Functions



Press **DVD** once to control your DVD player.



Press **POWER** once to turn on or off the selected device (e.g. **DVD**).



Press **MENU** once to display your DVD player's main menu.



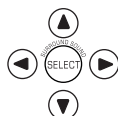
Use **GUIDE** to display your DVD player's program guide.



Use **EXIT** to exit from your DVD player's guide or menu.



Use **INFO** to display the DVD player's current channel and program information.



Use the cursor keys (**▲**, **▼**, **◀**, or **▶**) to move the cursor in the DVD player's program guide and menu screens. Use **SELECT** to choose options from the menu or guide.



Use **VOL+** (or **VOL-**) to raise (or lower) the DVD player's audio volume (if applicable).



Press **MUTE** once to turn the DVD player's audio off or on (if applicable).



Use **FAV** to scan favorite channels and/or all channels. See *Using Channel Scan* and *Programming Favorite Channel Scan* on page 41.



Use the keypad (**1 ~ 9** and **0**) to directly select chapters (e.g., **09** or **31**). If the original remote control required pressing an Enter key to select a chapter, also press the **ENTER** key after the chapter number (e.g., **3-1-ENTER**).

KEY INDEX

DVD Player Functions (continued)



Use **TV/VID** to switch the TV's input to view TV or DVD programs.



REW



PLAY



FWD

Use the transport keys to control your DVD player.



REC



PAUSE



F.REW



STOP



F.FWD



M1



M2



M3

After programming, press **M1 ~ M3** once to run a desired macro (see *Using Macros* on page 34).



L1



L2



L3



L4

After programming, press **L1 ~ L4** once to activate a learned function. See *Using Learning* on page 29.



Use  to turn on or off the key backlight. When this feature is activated, keys will remain backlit for 5 seconds after the last key press. In the setup mode, backlighting will remain on for 30 seconds.



Use **SET** for all programming sequences.

Home Automation Functions



Press **AUX** once to control home automation.
See *Re-assigning Device Keys* on page 37.



Press **POWER** once to turn on home automation.



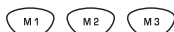
Use **VOL+** (or **VOL-**) to brighten (or dim) the lights controlled by home automation.



Press **MUTE** once to turn off home automation.



Use **CH+** (or **CH-**) to turn home automation on (or off).



After programming, press **M1** ~ **M3** once to run a desired macro (see *Using Macros* on page 34).



After programming, press **L1** ~ **L4** once to activate a learned function.
See *Using Learning* on page 29.



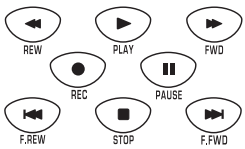
Use to turn on or off the key backlight. When this feature is activated, keys will remain backlit for 5 seconds after the last key press. In the setup mode, backlighting will remain on for 30 seconds.



Use **SET** for all programming sequences.

KEY INDEX

LD (Laser Disc) Player Functions

	Press AUX once to control home automation. See <i>Re-assigning Device Keys</i> on page 37.
	Press POWER once to turn on or off the selected device (e.g., AUX).
	Press MENU once to display your LD player's main menu.
	Use GUIDE to display your LD player's program guide.
	Use EXIT to exit from your LD player's guide or menu.
	Use INFO to display the LD player's current channel and program information.
	Use the cursor keys (▲ , ▼ , ◀ , or ▶) to move the cursor in the LD player's program guide and menu screens. Use SELECT to choose options from the menu or guide.
	Use VOL+ (or VOL-) to raise (or lower) the LD player's audio volume (if applicable).
	Press MUTE once to turn the LD player's audio off or on (if applicable).
	Use the keypad (1 ~ 9 and 0) to directly select chapters (e.g., 09 or 31). If the original remote control required pressing an Enter key to select a chapter, also press the ENTER key after the chapter number (e.g., 3-1-ENTER).
	Use TV/VID to switch the TV's input to view TV or LD programs.
	Use the transport keys to control your LD player.

 After programming, press **M1 ~ M3** once to run a desired macro (see *Using Macros* on page 34).

 After programming, press **L1 ~ L4** once to activate a learned function. See *Using Learning* on page 29.

 Use  to turn on or off the key backlight. When this feature is activated, keys will remain backlit for 5 seconds after the last key press. In the setup mode, backlighting will remain on for 30 seconds.

 Use **SET** for all programming sequences.

Satellite Receiver Functions

 Press **SAT** once to control your satellite receiver.

 Press **POWER** once to turn on or off the selected device (e.g., **SAT**).

 Press **MENU** once to display your satellite receiver's main menu.

 Use **GUIDE** to display your satellite receiver's program guide or setup menu.

 Use **EXIT** to exit from your satellite receiver's guide or menu.

 Use **INFO** to display the satellite receiver's current channel and program information.

 Use the cursor keys (, , , or ) to move the cursor in the satellite receiver's program guide and menu screens. Use **SELECT** to choose options from the menu or guide.

 Use **VOL+** (or **VOL-**) to raise (or lower) the satellite receiver's audio volume (if applicable).

 Press **MUTE** once to turn the satellite receiver's audio off or on (if applicable).

 Use **FAV** to scan favorite channels and/or all channels. See *Using Channel Scan* and *Programming Favorite Channel Scan* on page 41.

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KEY INDEX

Satellite Receiver Functions (continued)



Use **CH+** (or **CH-**) to select the satellite receiver's next higher (or lower) channel.



Press **PREV** once to recall the last-viewed channel and to page back one screen on the satellite receiver's main menu.



Use the keypad (**1 ~ 9** and **0**) to directly select channels (e.g., **009** or **031**). If the original remote control required pressing an Enter key to change the channel, also press the **ENTER** key after the channel number (e.g., **0-3-1-ENTER**).



Press **ENTER** once after entering the channel numbers on some TVs.



Use **TV/VID** to switch the TV's input to view TV or satellite programs.



Use the transport keys to control your satellite receiver's PVR or VOD service (if applicable).



Use **SLEEP** to activate your satellite receiver's sleep timer (not available for all devices).



After programming, press **M1 ~ M3** once to run a desired macro (see *Using Macros* on page 34).



After programming, press **L1 ~ L4** once to activate a learned function. See *Using Learning* on page 29.



Use **PIP** to switch the Picture-In-Picture feature on or off (if available on your TV).



Use **MOVE** to move the window picture to different positions in the main picture.



Use **SWAP** to switch images and sound between the main and window pictures.



After programming, use **COM SKIP** to skip commercials on your satellite receiver. See *Using Commercial Skip* on page 48.



Use to turn on or off the key backlight. When this feature is activated, keys will remain backlit for 5 seconds after the last key press. In the setup mode, backlighting will remain on for 30 seconds.



Use **SET** for all programming sequences.

TV Functions



Press **TV** once to control your television.



Press **POWER** once to turn on or off the selected device (e.g., **TV**).



Press **MENU** once to display your TV's main menu.



Use **GUIDE** to display your TV's program guide or setup menu.



Use **EXIT** to exit from your TV's guide or menu.



Use **INFO** to display the TV's current channel and program information.



Use the cursor keys (, , , or) to move the cursor in the TV's program guide and menu screens. Use **SELECT** to choose options from the menu or guide.



Use **VOL+** (or **VOL-**) to raise (or lower) the TV's audio volume.



Press **MUTE** once to turn the TV audio off or on.



Use **FAV** to scan favorite channels and/or all channels. See *Using Channel Scan* and *Programming Favorite Channel Scan* on page 41.

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KEY INDEX

TV Functions (continued)



Use **CH+** (or **CH-**) to select the TV's next higher (or lower) channel.



Press **PREV** once to recall the last-viewed channel and to page back one screen on the TV's main menu.



Use the keypad (**1 ~ 9** and **0**) to directly select channels (e.g., **009** or **031**). If the original remote control required pressing an Enter key to change the channel, also press the **ENTER** key after the channel number (e.g., **0-3-1-ENTER**).



Press **ENTER** once after entering the channel numbers on some TVs.



Use **TV/VID** to switch the TV's input to view TV or video programs.



Use the transport keys to control your VCR.

To record a VCR program, press **REC** twice.



Use **SLEEP** to activate your TV's sleep timer (not available for all devices).



After programming, press **M1 ~ M3** once to run a desired macro (see *Using Macros* on page 34).



After programming, press **L1 ~ L4** once to activate a learned function. See *Using Learning* on page 29.



Use **PIP** to switch the Picture-In-Picture feature on or off (if available on your TV).



Use **MOVE** to move the window picture to different positions in the main picture.



Use **SWAP** to switch images and sound between the main and window pictures.



After programming, use **COM SKIP** to skip commercials on your TV. See *Using Commercial Skip* on page 48.



Use to turn on or off the key backlight. When this feature is activated, keys will remain backlit for 5 seconds after the last key press. In the setup mode, backlighting will remain on for 30 seconds.



Use **SET** for all programming sequences.

VCR Functions



Press **VCR** once to control your VCR.



Press **POWER** once to turn on or off the selected device (e.g, **VCR**).



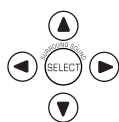
Press **MENU** once to display your VCR's main menu.



Use **GUIDE** to display your VCR/PVR's program guide or setup menu (if applicable).



Use **EXIT** to exit from your VCR's guide or menu.



Use the cursor keys (, , , or) to move the cursor in the VCR's program guide and menu screens. Use **SELECT** to choose options from the menu or guide.



Use **VOL+** (or **VOL-**) to raise (or lower) the VCR's audio volume (if applicable).



Press **MUTE** once to turn the VCR audio off or on (if applicable).



Use **FAV** to scan favorite channels and/or all channels. See *Using Channel Scan* and *Programming Favorite Channel Scan* on page 41.



Use **CH+** (or **CH-**) to select the TV's next higher (or lower) channel.

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KEY INDEX

VCR Functions (continued)



Press **PREV** once to recall the last-viewed channel and to page back one screen on the VCR's main menu.



Use the keypad (**1 ~ 9** and **0**) to directly select channels (e.g., **009** or **031**). If the original remote control required pressing an Enter key to change the channel, also press the **ENTER** key after the channel number (e.g., **0-3-1-ENTER**).



Press **ENTER** once after entering the channel numbers on some VCRs.



Use **TV/VID** to switch the TV's input to view TV or VCR programs.



Use the transport keys to control your VCR.

To record a VCR program, press **REC** twice.



Use **SLEEP** to activate your VCR's sleep timer (not available for all devices).



After programming, press **M1 ~ M3** once to run a desired macro (see *Using Macros* on page 34).



After programming, press **L1 ~ L4** once to activate a learned function. See *Using Learning* on page 29.



Use **PIP** to switch the Picture-In-Picture feature on or off (if available on your TV).



Use **MOVE** to move the window picture to different positions in the main picture.



Use **SWAP** to switch images and sound between the main and window pictures.



Use  to turn on or off the key backlight. When this feature is activated, keys will remain backlit for 5 seconds after the last key press. In the setup mode, backlighting will remain on for 30 seconds.



Use SET for all programming sequences.

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One For All: 330-405-8655 (for Warranty only)

ADDITIONAL INFORMATION

As you update your home entertainment system, One For All® has a universal remote control that will fit your needs. Look for these exciting products at a retailer near you.

One For All Access 3	URC-3605
One For All Video Expert 4 Device	URC-4081
One For All Video Expert Plus 4L Upgradeable Remote Control with Learning	URC-4880
One For All Access 4	URC-4605
One For All Access 5	URC-5705
One For All 6 Home Theater	URC-6011
One For All 8 Home Theater	URC-8011
One For All 8L Home Theater with Learning	URC-8811
One For All A/V Producer 8 Device Learner	URC-8911
One For All IR/RF Home Producer 8 Device Learner	URC-9911

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URC-9910B00 04/02

