



A/V LCD 8-DEVICE WITH LEARNING UNIVERSAL REMOTE CONTROL (URC-8910)

User's Guide



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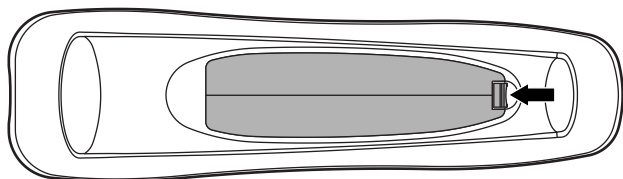
INTRODUCTION

The One For All A/V LCD 8-Device With Learning Universal Remote Control (URC-8910) 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:

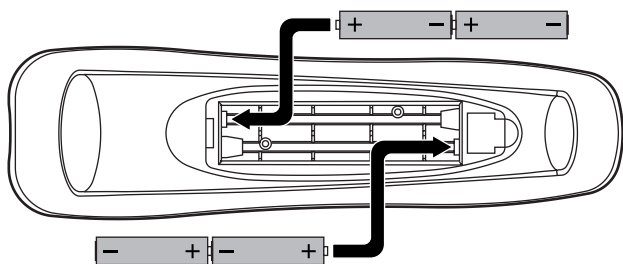
- Advanced Liquid Crystal Display (LCD) with 15 alphanumeric characters, real-time clock, and icons for constant visual feedback of operations and programming sequences
- A unique *Home Theater* mode that combines different device controls under one mode for operating convenience
- Three macro keys for 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
- 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 A/V LCD 8-Device With Learning Universal Remote Control (URC-8910) 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.

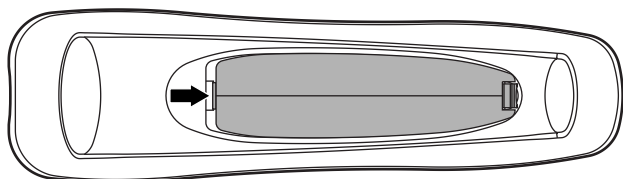
INSTALLING BATTERIES



1



2




3

1. On the back of the URC-8910 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-8910 remote control will be restored to full functionality, complete with your favorite settings.*

SETTING THE CLOCK

1.  On the URC-8910 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.*



2.  (x 5) 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.*

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



4.  Press the **▲** key one or more times until you see the desired hour (a.m. or p.m.).
5.  Press the **▼** key one or more times until you see the desired minute.

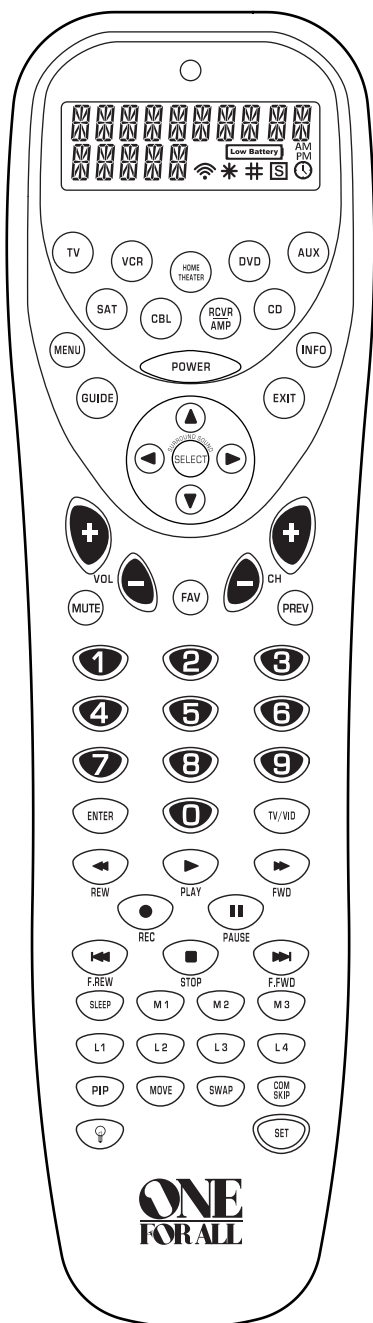
6.  Once the time is correctly set, press **SELECT** once to accept the values. The display will confirm your entry with **[SUCCESS]** and then **[EXIT SETUP]**.



The URC-8910 remote control will return to normal operation.

FEATURES AND FUNCTIONS

Use the illustration below to locate features on the URC-8910 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 *Using Channel Scan* and *Programming Favorite Channel Scan* 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**.

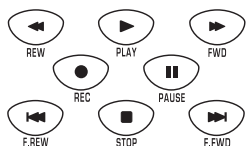


Press **ENTER** once after entering the channel numbers on some TVs.

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

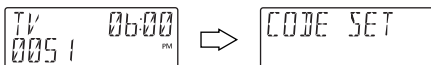
The URC-8910 remote control is preprogrammed at the factory to operate an RCA TV and VCR, a Motorola (GI) cable converter, an RCA satellite receiver, a Pioneer CD player, a Toshiba DVD player, a Pioneer audio receiver/ amplifier, and a One For All home automation device. To control devices other than 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-8910 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.



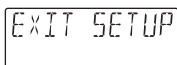
For example, to enter the first GE VCR code (on page 24), press **0** twice, **6** once, **0** once, and then **SELECT** once.

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-8910 remote control returns to normal operation.



7. 

To verify the code works, aim the URC-8910 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-8910 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.




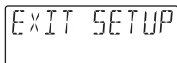
NOTE: If your TV/VCR Combo has a separate TV code, you will also need to perform step 6.



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-8910 remote control returns to normal operation.



8.   To verify the code works, aim the URC-8910 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:

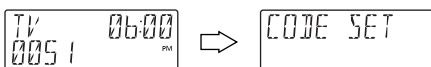
TV Code
(if used):

SEARCHING FOR YOUR CODE

If your device does not respond to the URC-8910 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-8910 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 SRCH]**.





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

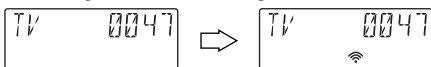
4.  Press **SELECT** once to begin programming. You will see the display change to the last-selected device and its code (e.g., **VCR** and **0035**).



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-8910 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-8910 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-8910 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-8910 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 A/V LCD 8-Device With Learning Universal Remote Control (URC-8910). 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-8910 remote control will exit the programming mode.

Programming A Learning Key

1.  On the URC-8910 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

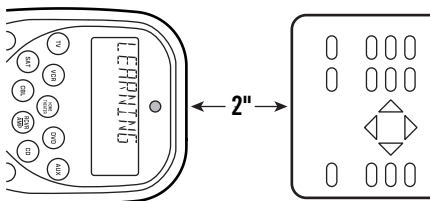
Programming A Learning Key (continued)

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-8910 remote control.



7. On your original remote control, press and hold the key (i.e., feature) to be learned until until you see **[SUCCESS]** appear on the URC-8910 remote control. The display will return to device mode you selected for learning (e.g., **TV**).



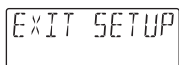
If the key was not learned, you will see an **[ERROR]** message instead.



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-8910 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-8910 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.*

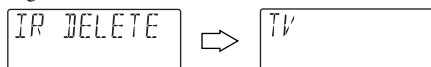
*NOTE: **[INVALID]** means you have inadvertently pressed an incorrect key. Note your error and continue programming.*


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**).




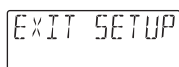
4.  Press a device key once (e.g., **TV**) for the mode that contains the learned function.

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-8910 remote control returns to normal operation.




USING VOLUME LOCK

In its default (unlocked) state, the URC-8910 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-8910 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-8910 remote control, press and hold **SET** until you see the display change from the current device and time to **[CODE SET]**.



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




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.




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




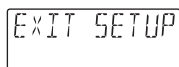
-  a. Press **SELECT** once. You will see the display change to **[SEL MODE]**.



-  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]**.



-  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.



USING MACROS


With programming, the **M1** through **M3** keys on your URC-8910 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.

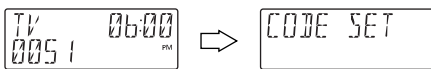
NOTE: Programming a new macro over an existing one will erase the original macro.

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-8910 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 MACKKEY]**.



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).



6.  To end the macro sequence, press and hold **SELECT** until you see **[SUCCESS]** appear in the display, followed by **[EXIT SETUP]**. The URC-8910 remote control will automatically exit the programming mode and return to normal operation.




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.

- 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

-  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

- 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**).
-  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

-  Continue pressing **SELECT** until you see [SUCCESS] appear in the display, followed by [EXIT SETUP]. The URC-8910 remote control will automatically exit the programming mode and return to normal operation.

SUCCESS → EXIT SETUP

RE-ASSIGNING DEVICE KEYS

The URC-8910 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-8910 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-8910 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-8910 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-8910 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-8910 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-8910 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-8910 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-8910 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-8910 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-8910 remote control will automatically exit the programming mode and return to normal operation.

USING THE HOME THEATER MODE

The URC-8910 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-8910 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-8910 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**

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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-8910 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.*

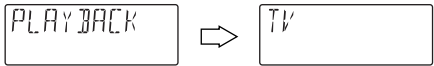
3.  Press **SELECT** once to begin programming. You will see the display change to **[PLAYBACK]**.



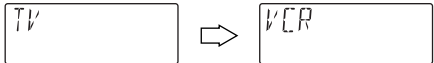
*NOTE: The program will automatically step through each Control Group (from Playback to PIP) as you perform steps 3 through 7. However, you can use the **▲** or **▼** keys to navigate to a specific group to make further changes.*



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



- 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]**).



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



- 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]**).



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



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USING THE HOME THEATER MODE

Programming The Home Theater Mode

5. (continued)

CBL

- 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]**).



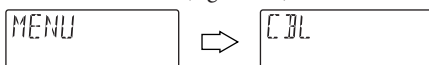
SELECT

- 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. SELECT

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



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]**).



SELECT

- 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. SELECT

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







TV

- 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]**).



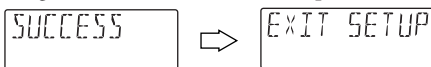
- b. Press **SELECT** once to accept the assignment in step 7a. You will see the display change to the first *Control Group* assignment, **[PLAYBACK]**.



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-8910 remote control will automatically exit the programming mode and return to normal operation.



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-8910 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-8910 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-8910 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]**.



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.



6.  Press **SELECT** once to accept the 60-second setting. You will see **[SUCCESS]** appear in the display, followed by **[EXIT SETUP]**. The URC-8910 remote control will automatically exit the programming mode and return to normal operation.



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.

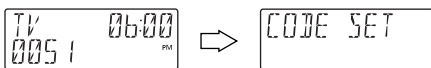
For a more powerful *Commercial Skip* technique, try programming these steps into an open macro key (see *Using Macros* on page 34). This way you will be able to press one key to switch channels and return after a preset time.

RESTORING FACTORY DEFAULT SETTINGS

The URC-8910 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-8910 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.

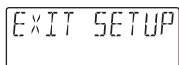
3.  Press **SELECT** once to begin programming. You will see the display change to **[CLR SETUP]**.



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-8910 remote control automatically exits the programming mode and returns to normal operation.



ABOUT UPGRADING

The URC-8910 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 74) to upgrade the URC-8910 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-8910 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-8910 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.

SPECIFICATIONS

Remote Control Power 4 AAA Batteries

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

Remote Control Weight (without Batteries) 8 oz (220 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-8910 remote control at the device not farther than 15 feet away.
-
- PROBLEM:** The URC-8910 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-8910 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-8910 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 *Using Volume Lock* on page 32 to lock/unlock the volume controls.
-
- PROBLEM:** The URC-8910 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: Tried *Search For Your Code* method and still could not find a working code.

SOLUTION: Your device may be newer than the URC-8910 remote control. See *About Upgrading* on page 51.

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-8910 remote control's database has been reached. Try another code search or contact *Customer Support* (see page 74)

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 *Customer Support* (see page 74).

MEM FULL

Indicates data captured during learning has filled the URC-8910 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-8910 remote control's memory. Try learning again.

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).



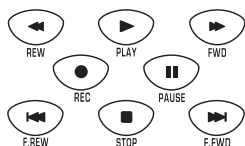
Use the keypad (**1 ~ 9** and **0**) to select audio sources (e.g., **1 ~ 10**). If the original remote control required pressing an Enter key to change the audio source, also press the **ENTER** key after the source number (e.g., **9 - ENTER**).



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.



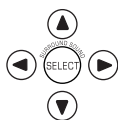
Press **POWER** once to turn on or off the selected device (e.g. **AUX**).







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.



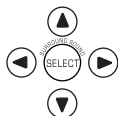
Press **POWER** once to turn on or off the selected device (e.g. **RCVR/AMP**).



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.

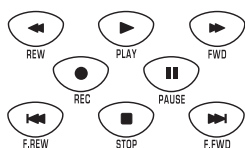


Use **TV/VID** to switch the audio receiver between input and output.

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.



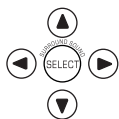
Press **POWER** once to turn on or off the selected device (e.g. **AUX**).



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.



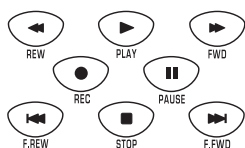
Use **VOL+** (or **VOL-**) to raise (or lower) the audio turntable's audio volume (if applicable).



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.



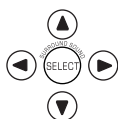
Use **GUIDE** to display your cable converter's program guide or setup menu.



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 *Using Channel Scan* and *Programming Favorite Channel Scan* 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.



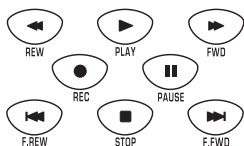
Use the keypad (**1 ~ 9** and **0**) to directly select channels (e.g., **009** or **031**). If the original remote control required pressing an Enter key to change the channel, also press the **ENTER** key after the channel number (e.g., **0-3-1-ENTER**).



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.



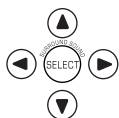
Press **POWER** once to turn on or off the selected device (e.g, **CD**).



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.



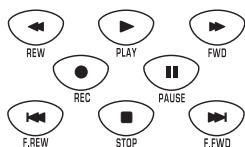
Use **VOL+** (or **VOL-**) to raise (or lower) the CD player's audio volume (if applicable).



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 *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.

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.



Use the transport keys to control your DVD 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.

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 *Re-assigning Device Keys* 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.



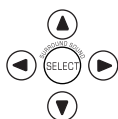
Use **GUIDE** to display your LD player's program guide.



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.

continued on next page...

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.



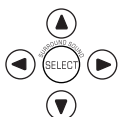
Use **GUIDE** to display your TV's program guide or setup menu.







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.

LIMITED WARRANTY

One For All® warrants, to the original purchaser only, that this product will be free from defects in materials and workmanship, under normal use, for ninety (90) days from the date of original purchase.

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To obtain warranty service for a defective product during the warranty period, please return the product, preferably in the original carton, along with your purchase receipt, to the store of original purchase. A note detailing the complaint would be helpful. The store, at its option, will replace or repair this product if found to be defective.

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

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

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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The One For All A/V LCD 8-Device With Learning Universal Remote Control (URC-8910) is compatible for use in North America, excluding Mexico.

URC-8910B00 04/02

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 |

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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 |

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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 |
| Gibraltar | 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) |

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 |
| Beaumont | 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 |
| Electroponic | 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 |



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