ONE FOR ALL®

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

### User's Guide

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INTRODUCTION

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

- Advanced Liquid Crystal Display (LCD) with 15 alphanumeric characters, real-time clock, and icons for constant visual feedback of operations and programming sequences

- A unique *Home Theater* mode that combines different device controls under one mode for operating convenience

- Three macro keys for instant activation of favorite key sequences

- Four learning keys to capture unique functions from your devices' original remote controls

- *Key Mover* for copying keys from one device to another, or to a different position in the same mode

- *Code Search* to help you program device codes without using the code list (starting on page 14) or for brands or models not listed

- *Favorite Channel Scan* for easy channel surfing

- Mode reassignment to control duplicate types of devices

- *Volume Lock* to assign volume controls to individual devices or to one global device

- *Commercial Skip* feature allows you to channel surf during commercial interruptions of your favorite programs

- Includes *IR/RF Command Center* to extend the remote control's signal range

- Pre-programmed database with the world's largest and most efficient group of infrared codes insures device compatibility

- Internal modem for upgrading device codes over the telephone

- A low battery icon to notify you when batteries are getting low

- Backlighting feature to aid operation in low ambient light

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

INSTALLING BATTERIES
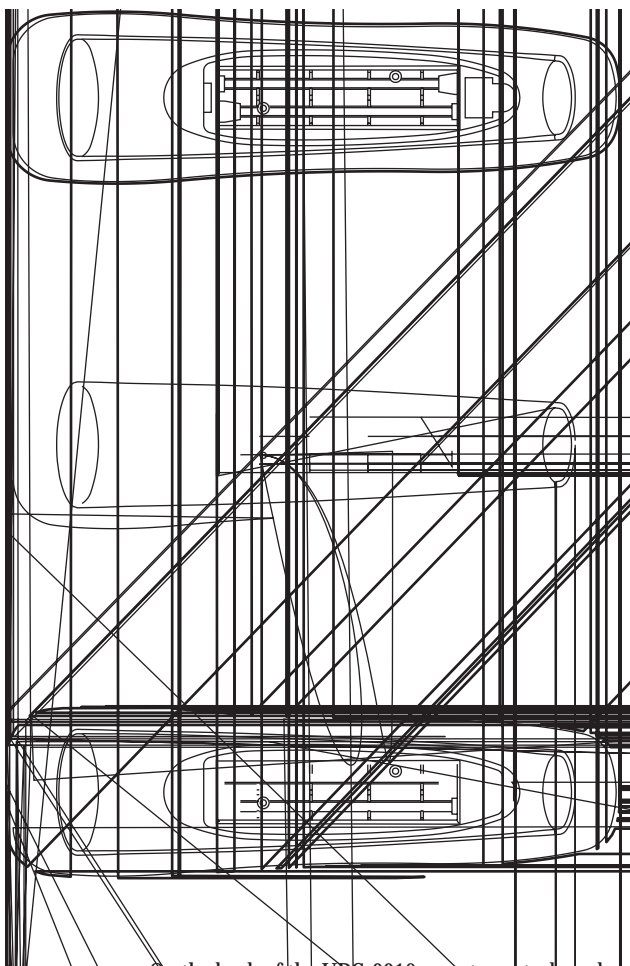
1. On the back of the URC-9910 remote control, push the tab and lift off the battery cover.

2. Obtain four (4) new AAA alkaline batteries. Match the + and − marks on the batteries to the + and − marks in the case, and then insert the new batteries.

3. Align the cover key with the case opening and replace the cover until it locks.

4. If batteries are inserted correctly, the entire LCD will turn on. After 5 seconds of inactivity, the remote control will turn itself off to conserve battery life.

5. Perform the steps in *Setting The Clock* (on the next page) to set the correct time.

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

SETTING THE CLOCK

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

| TV 12:00 | ⟹ | CODE SET |
| 0047 |
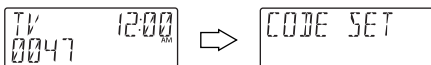
NOTE: Default values for device, its code, and time are shown above. Your remote control settings may be different.

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

   (x 5)

| CODE SET | ⟹ | CLOCK SET |

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

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

| CLOCK SET | ⟹ | 12:00 |

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. `SELECT`   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].

| SUCCESS | ⟹ | EXIT SETUP |
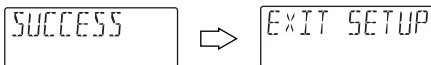
The URC-9910 remote control will return to normal operation.

FEATURES AND FUNCTIONS

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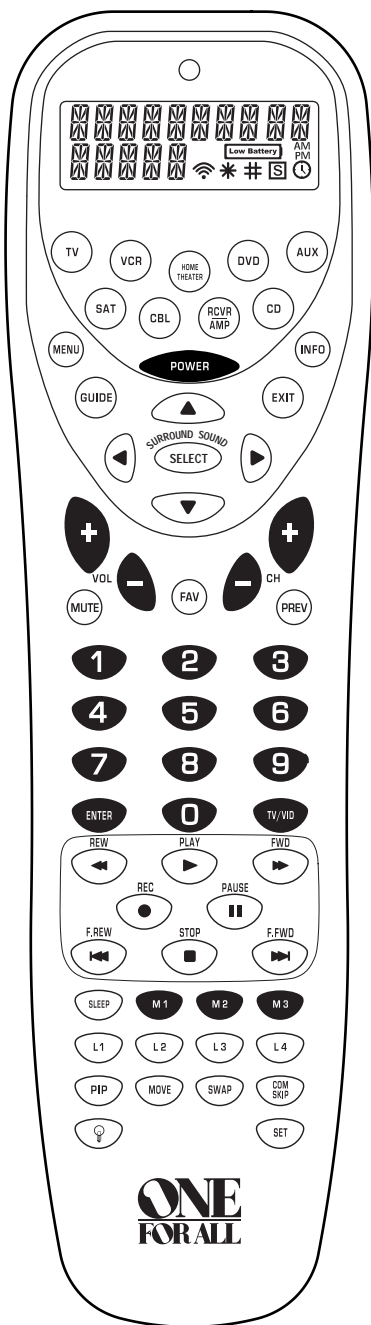
Key Charts

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

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

AM **or** PM   Morning or Afternoon Time

Low Battery   Low Battery

📶   IR Signal Transmission
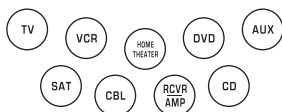
TV VCR HOME THEATER DVD AUX SAT CBL RCVR/AMP CD   Press TV, VCR, DVD, AUX, SAT, CBL, RCVR/AMP, or CD once to select a desired home entertainment device to control.

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

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

▲ ▼ ◄ ► SELECT SURROUND SOUND   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).

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

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

FEATURES AND FUNCTIONS

Key Charts (continued)

|	
EXIT	Use **EXIT** to exit from your selected device's guide or menu.
INFO	Use **INFO** to display the current channel and program information.
VOL	Use **VOL+** (or **VOL-**) to raise (or lower) the audio volume.
MUTE	Press **MUTE** once to turn the audio off or on.
FAV	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.)
CH	Use **CH+** (or **CH-**) to select the next higher (or lower) channel.
PREV	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.
1 2 3 4 5 6 7 8 9 0	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**.
ENTER	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**).
TV/VID	Use **TV/VID** to switch the TV's input to view TV or video programs.

8
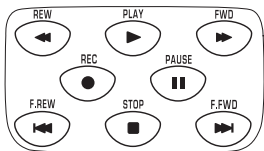
Use the transport keys to control your VCR, DVD or CD player, or VOD (Video On Demand) if available on your cable or satellite service.

To record a VCR program, press REC twice.

SLEEP	Use **SLEEP** to activate your device's sleep timer (not available for all devices).
M1 M2 M3	After programming, press M1 ~ M3 once to run a desired macro (see *Using Macros* on page 34).
L1 L2 L3 L4	After programming, press L1 ~ L4 once to activate a learned function. (See *Using Learning* on page 30.)
PIP	Use **PIP** to switch the Picture-In-Picture feature on or off (if available on your TV).
MOVE	Use **MOVE** to move the window picture to different positions in the main picture.
SWAP	Use **SWAP** to switch images and sound between the main and window pictures.
COM SKIP	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.
SET	Use **SET** for all programming sequences.

SETTING UP YOUR COMPONENTS

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

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

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

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

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

   ```
   ┌─────────────┐        ┌─────────────┐
   │ TV    06:00 │        │ CODE SET    │
   │ 0051     PM │  ⟹    │             │
   └─────────────┘        └─────────────┘
   ```
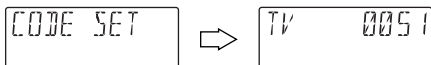
   NOTE: The device, its code, and time are examples. Your remote control settings may be different.

   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. (SELECT) 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).

   ```
   ┌─────────────┐        ┌─────────────┐
   │ CODE SET    │        │ TV    0051  │
   │             │  ⟹    │             │
   └─────────────┘        └─────────────┘
   ```

4. (VCR) 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).

   ```
   ┌─────────────┐        ┌─────────────┐
   │ TV    0051  │        │ VCR   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. [1][2][3][4][5][6][7][8][9][0] (SELECT) 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 17), press **0** twice, **6** once, **0** once, and then **SELECT** once.
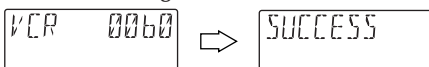
If the code is entered correctly, you will see the **[SUCCESS]** message.

$$\boxed{VCR \quad 0060} \quad \Rightarrow \quad \boxed{SUCCESS}$$

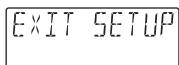6. (EXIT) Press **EXIT** to exit the programming mode. You will see an **[EXIT SETUP]** message as the URC-9910 remote control returns to normal operation.

$$\boxed{EXIT\ SETUP}$$

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

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

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

TV Code: ☐ ☐ ☐ ☐

VCR Code: ☐ ☐ ☐ ☐

DVD Code: ☐ ☐ ☐ ☐

SAT Code: ☐ ☐ ☐ ☐

CBL Code: ☐ ☐ ☐ ☐

RCVR/AMP Code: ☐ ☐ ☐ ☐

CD Code: ☐ ☐ ☐ ☐

AUX Code: ☐ ☐ ☐ ☐

Aux. Device Type:_____

PROGRAMMING TV/VCR COMBO CONTROL

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

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

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

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

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

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

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

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

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

5. Use the *Setup Codes For TV/VCR Combos* (on page 19) 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.
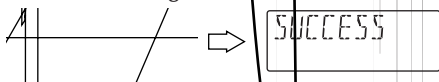
   NOTE: If your TV/VCR Combo has a separate TV code, you will also need to perform step 6.

6. (TV)   (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.

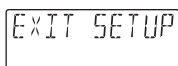| `VCR    0000` | $\Rightarrow$ | `TV     0051` |

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

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

`EXIT SETUP`

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

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

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

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

TV/VCR Code: ☐ ☐ ☐ ☐

TV Code
(if used): ☐ ☐ ☐ ☐

SEARCHING FOR YOUR CODE

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

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

1.   Turn on the TV.

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

 | TV   06:00 | | CODE SET |
   |---|---|---|
   | 0051 PM | | |

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

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

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

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

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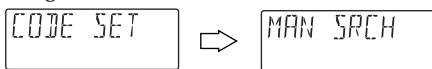
   NOTE: If you go past [MAN SEARCH], press the ▲ key one or more times to return to it.

4. (SELECT)   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**).

MAN SRCH		VCR 0035

5. (TV)   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**).

VCR 0035		TV 0047

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

TV 0047		TV 0047
		🔊

SEARCHING FOR YOUR CODE (continued)

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

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

```
┌─────────────┐        ┌─────────────┐
│ TV     0054 │   ⇨    │ TV     0054 │
│             │        │          📶 │
└─────────────┘        └─────────────┘
```

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

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

```
┌─────────────┐        ┌─────────────┐
│ SUCCESS     │   ⇨    │ EXIT SETUP  │
└─────────────┘        └─────────────┘
```
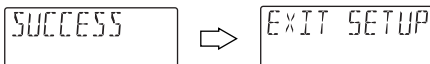
The URC-9910 remote control will return to normal operation.

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

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

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

USING LEARNING

## Programming A Learning Key (continued)

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

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

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

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

            `SUCC` ⟹ `TV`
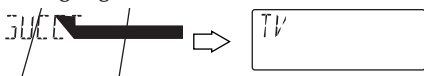
        If the key was not learned, you will see an [ERROR] message instead.

            `ERROR` ⟹ `TV`

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

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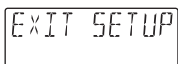
10.   To test a learned feature, aim the URC-9910 remote control at the desired device and press its device key once (e.g., TV, where the learning mode was assigned). Then press the learning key (e.g., L1)

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

Deleting A Function From A Learning Key

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

$$\boxed{\begin{array}{l} TV \qquad\quad 06\!:\!00 \\ 0051 \qquad\quad _{PM} \end{array}} \Longrightarrow \boxed{CODE\ SET}$$

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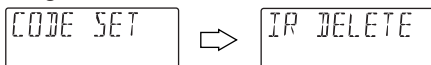
NOTE: [INVALID] means you have inadvertently pressed an incorrect key. Note your error and continue programming.

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

  (x 3)

$$\boxed{CODE\ SET} \Longrightarrow \boxed{IR\ DELETE}$$

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

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

$$\boxed{IR\ DELETE} \Longrightarrow \boxed{TV}$$
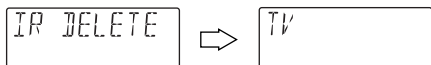
4. (TV)   Press a device key once (e.g., TV) for the mode that contains the learned function.

5. (L1)   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).

$$\boxed{DELETED} \Longrightarrow \boxed{TV}$$
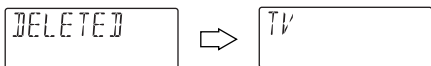
6.   If desired, repeat steps 4 and 5 to delete other learned functions.

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

$$\boxed{EXIT\ SETUP}$$
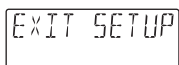
USING VOLUME LOCK

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

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

Programming Volume Lock

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

   | TV   06:00 PM | ⇨ | CODE SET |
   | 0051 | | |

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

   (x 4)

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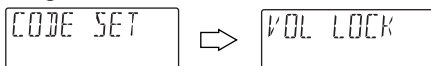
   NOTE: If you go past [VOL LOCK], press the ▲ key one or more times to return to it.

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

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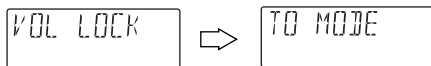
4. (RCVR/AMP)   Press a mode key (e.g., RCVR/AMP) to lock a device's volume controls to all modes. You will see the display change to [SUCCESS] and then [EXIT SETUP] as the remote control automatically exits the programming mode and returns to normal operation.

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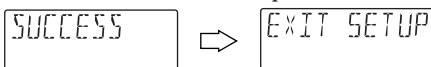
5.   If desired, repeat steps 1 through 4 as needed to lock volume controls for other devices to all modes.

Programming Volume Unlock

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

| TV   06:00 | ⟹ | CODE SET |
| 0051   PM |

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

(x 5)

| CODE SET | ⟹ | VOL UNLOCK |

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

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

| VOL LOCK | ⟹ | ALL MODE |

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

| UNLOCKED | ⟹ | EXIT SETUP |

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

| ALL MODE | ⟹ | ONE MODE |

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

| ONE MODE | ⟹ | SEL MODE |

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

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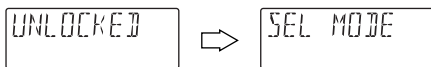
[EXIT] c. If desired, repeat step 4b as needed to unlock volume controls for other devices. Otherwise, press **EXIT** to exit the programming mode. You will see an **[EXIT SETUP]** message as the remote control returns to normal operation.

| EXIT SETUP |

33
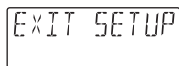
USING MACROS

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

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

Programming A Favorite Channel

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

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

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

    | TV   06:00
0051 ᴘᴍ | ⇨ | 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. (▼)   Press the ▼ key six times until you see the display
   (x 6)   change to **[KEY MACRO]**.

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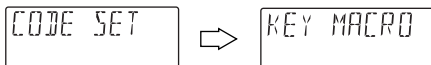
    NOTE: If you go past [KEY MACRO], press the ▲ key one or more times to return to it.

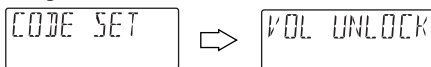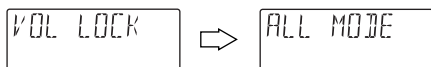3. (SELECT)   Press SELECT once to begin programming. You will see the display change to **[SEL MACKEY]**.

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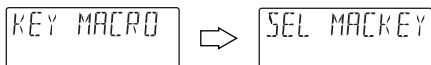
4. (M1)   Select an open macro key (e.g., M1) and press it once. You will see the display change to **[ENTER SEQ]**.

    | SEL MACKEY | ⇨ | ENTER SEQ |
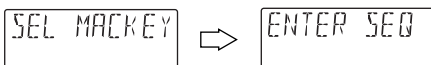
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USING MACROS

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

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

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

$$\boxed{ENTER\ SEQ} \implies \boxed{SEL\ TO\ END}$$

4. (SELECT)　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.

$$\boxed{SUCCESS} \implies \boxed{EXIT\ SETUP}$$

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

Clearing A Macro

1.　　　Perform steps 1 through 4 of the earlier section, *Programming A Favorite Channel* on page 34. However, this time in step 4, select a macro key you want to be cleared (e.g., **M1 ~ M3**).

2. (SELECT)　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).

$$\boxed{ENTER\ SEQ} \implies \boxed{SEL\ TO\ END}$$

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

$$\boxed{SUCCESS} \implies \boxed{EXIT\ SETUP}$$

RE-ASSIGNING DEVICE KEYS

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

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

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

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

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

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

   (x 7)

   NOTE: If you go past [MODE MAP], 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].

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

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

   ⇨ `EXIT SETUP`

6. The AUX key is now ready to be programmed as your second VCR. (See *Setting Up Your Components* on page 10.)

RE-ASSIGNING DEVICE KEYS (continued)

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

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

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

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

USING KEYMOVER

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

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

Programming Keymover

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

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

    | TV   06:00 | | CODE SET |
    | 0051   PM | ⟹ | |

    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. ⬭ ▼   Press the ▼ key eight times until you see the display
change to [KEYMOVER].

    (x 8)

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].

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

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

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

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

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

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

Restoring Keymoved Keys to Default Settings

Restoring A Single Keymoved Key

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

USING KEYMOVER

Restoring Keymoved Keys to Default Settings

Restoring A Single Keymoved Key (continued)

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

$$\boxed{\text{DELETED}} \Rightarrow \boxed{\text{EXIT SETUP}}$$

Restoring All Keymoved Keys In A Single Mode

1. **TV** — 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].

$$\boxed{\text{FROM KEY}} \Rightarrow \boxed{\text{CLR KMVR}}$$

2. **SELECT** — 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.

$$\boxed{\text{DELETED}} \Rightarrow \boxed{\text{EXIT SETUP}}$$

USING CHANNEL SCAN

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

1. If *Favorite Channel Scan* has been set up, skip to step 2. Otherwise, on the URC-9910 remote control press **TV**, **VCR**, **DVD**, **SAT**, or **CBL** once.

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

   ```
   TV     06:00        CODE SET
   0051        PM
   ```

   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.

PROGRAMMING FAVORITE CHANNEL SCAN (continued)

2. △ (x 4)

Press the ▲ key four times until you see the display change to **[FAV CHAN]**.

| CODE SET | ⟹ | FAV CHAN |
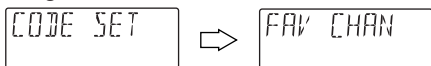
NOTE: If you go past [FAV CHAN], press the ▼ key one or more times to return to it.

3. (SELECT)

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

| FAV CHAN | ⟹ | VCR |

4. (TV) (SELECT)

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]**.

| TV | ⟹ | FAV |

5. ❶ ❷ ❸ ❹ ❺ ❻ ❼ ❽ ❾ ❿
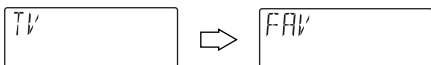
Use the keypad to enter a favorite channel number (e.g., **031**). The display will show your entry.
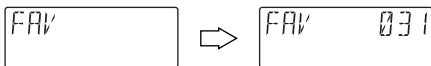
| FAV | ⟹ | FAV   031 |

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.

(SELECT)

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

| FAV   031 | ⟹ | FAV |

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. (SELECT)

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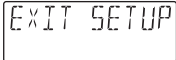
| SUCCESS | ⟹ | EXIT SETUP |

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USING THE HOME THEATER MODE

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

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

- A *Macro* on the POWER key (if applicable) will carry over to the *Home Theater* mode.

Control Organization

About Control Groups

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

(1) Playback Controls: PLAY, STOP, FWD, REW, F.FWD, F.REW, PAUSE and REC

(2) Audio Controls: VOL+, VOL- and MUTE

(3) Channel Controls: CH+, CH-, (Keypad) 0 ~ 9, ENTER, LAST, SLEEP, INFO and TV/VID

(4) Menu Controls: MENU, GUIDE, Cursor Controls (▲, ▼, ◄, ►), SELECT and EXIT

(5) PIP Controls: PIP, MOVE and SWAP

About Device Groups

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

(1) Playback Group: VCR, DVD, CD, CBL, SAT and RCVR/AMP

(2) Audio Group: TV, VCR, CBL, SAT, DVD, CD, RCVR/AMP and AUX

(3) Channel Group: TV, VCR, CBL, SAT, DVD, CD, RCVR/AMP and AUX

(4) Menu Group: TV, VCR, CBL, SAT and DVD

(5) PIP Group: TV, VCR, CBL and SAT

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

   | TV   06:00 |
   | 0051 PM | $\Rightarrow$ | 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].

 | CODE SET | $\Rightarrow$ | THEATER |
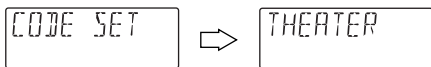
   NOTE: If you go past [THEATER], press the ▼ key one or more times to return to it.

3. (SELECT)   Press SELECT once to begin programming. You will see the display change to [PLAYBACK].
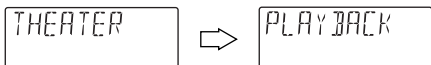
   | THEATER | $\Rightarrow$ | PLAYBACK |

   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.

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]).

TV	⟹	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]).

CBL	⟹	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]).

MENU	⟹	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]).

CBL	⟹	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]).

CBL	⟹	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]).

PIP	⟹	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]).

```
┌─────────────┐        ┌─────────────┐
│ ⊏⊐L         │   ⇨    │ TV          │
└─────────────┘        └─────────────┘
```

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

```
┌─────────────┐        ┌─────────────┐
│ TV          │   ⇨    │ PLAYBACK    │
└─────────────┘        └─────────────┘
```

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

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

```
┌─────────────┐        ┌─────────────┐
│ SUCCESS     │   ⇨    │ EXIT SETUP  │
└─────────────┘        └─────────────┘
```

Operating The Home Theater Mode

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

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

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

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

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

USING COMMERCIAL SKIP

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

Programming Commercial Skip

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

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

1. (CBL) Select the device where channels will be changed (e.g., CBL).

2. (COM SKIP) On the URC-9910 remote control, press and hold COM SKIP until you see the display change from the current device and time to [CHANNEL].

    | TV   06:00 | ⟹ | CHANNEL |
    | 0051   PM |

    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. ①②③ ④⑤⑥ ⑦⑧⑨ ⓪ Use the keypad to enter a favorite channel number (e.g., 002). The display will show your entry.

    | CHANNEL | ⟹ | CBL   002 |

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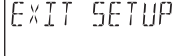
    NOTE: If you made a mistake during entry, press EXIT once. You will see [EXIT SETUP] as the remote control returns to normal operation. Then try programming Commercial Skip again starting with step 1.

4. (SELECT) 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.

30 SEC	⟹	60 SEC

6. SELECT

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

SUCCESS	⟹	EXIT SETUP

Operating Commercial Skip

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

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

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

RESTORING FACTORY DEFAULT SETTINGS

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

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

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

TV 06:00		CODE SET
---------------	⇒	
0051 PM		

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. ⬭▲ Press the ▲ key twice until you see the display change to [OPS RESET].

(x 2)

CODE SET	⇒	OPS RESET

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

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

OPS RESET	⇒	CLR SETUP

4. ⬭SELECT 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.

RESET RAM	⇒	RESET E2

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

EXIT SETUP
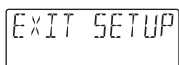
ABOUT UPGRADING

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

If this happens, please contact our Customer Support department (see *Troubleshooting Section* on page 55) to upgrade the URC-9910 remote control. The Customer Support representative will search our entire database for a code that matches your device and instruct you how to enter it into your URC-9910 remote control.

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

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

Upgrade Exclusions

- Home entertainment or home automation devices controlled by radio frequency (RF/UHF), wired, or ultrasonic remote controls. Only devices controlled by infrared remote controls are covered.

- Home entertainment or home automation devices not controlled by remote controls.

- Broken or defective product.

- Products that operate over 100 kHz.

- Infrared keyboards and infrared pointing devices (such as mouse substitutes).

- All products for sale and/or use outside the continental United States, Hawaii, Alaska, or Canada.

USING THE IR/RF COMMAND CENTER

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

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

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

Setting Up The IR/RF Command Center

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

2. Plug in the *IR/RF Command Center's* power cord and raise the telescoping antenna.

Telescoping Antenna
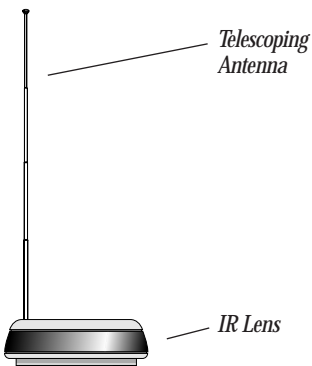
IR Lens

3. Position the *IR/RF Command Center* so the black *IR Lens* is aimed at your home theater devices.

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

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

Adding The IR Signal Extension Cord

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

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

1. Plug the 4-foot *IR Signal Extension Cord* into the back of the *IR/RF Command Center*.
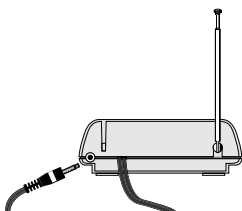
2. Run the *IR Signal Extension Cord* to the device that is not in line-of-sight of the *IR/RF Command Center*.

3. Using the supplied double-sided tape, attach the *IR Signal Extension Cord* so that its *LED* is over or next to the IR sensor of your home theater device.

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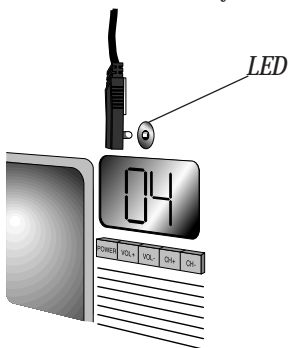
4. Test the installation by again taking the URC-9910 remote control into another room in your home, up to 100 feet* away. Select a device key (e.g., **TV**) and press it once. Then press **POWER** once.

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

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

*Distance may vary

USING THE RF/IR COMMAND CENTER (continued)

Optimizing IR/RF Command Center Reception

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

- Aim the URC-9910 remote control toward the room where the *IR/RF Command Center* is located.

- Do not position the *IR/RF Command Center* near metal objects, such as heat ducts. Metal can absorb RF signals.

- Make sure the batteries in the URC-9910 remote control are fully charged. Try replacing them if you are not sure (see *Installing Batteries* on page 4). Weak batteries will affect the single range.

- Make sure that the URC-9910 remote control is not being affected by other RF transmissions (e.g., garage door openers, cordless telephones, etc.).

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

SPECIFICATIONS

Remote Control Power	4 AAA Batteries
IR/RF Console Power	120 Vac
Remote Control to IR/RF Console Range	up to 100 Feet (30.48 m)*
IR/RF Command Console to Device Range	25 Feet (7.62 m) ± 30˚

Remote Control Dimensions
(H x W x D) .... 9-2⁄16 x 2-10⁄16 x 2-3⁄16 in.
(H x W x D) .... 232 x 65 x 31 mm

IR/RF Command Console Dimensions
(H x W x D) .... 1-9⁄16 x 5-1⁄16 x 4 in
(H x W x D) .... 39.7 x 128.6 x 101.6 mm

Remote Control Weight (without Batteries)	8 oz (220 g)
IR/RF Command Console Weight	10.4 oz (300 g)

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

*Distance may vary

TROUBLESHOOTING

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

TROUBLESHOOTING (continued)

PROBLEM:	The URC-9910 remote control turns on audio devices and controls volume, but does not change preset channels.
SOLUTION:	Some products may need both a Tuner/Receiver code and an Audio Amplifier code for remote control of all features on your audio device.
PROBLEM:	Your satellite (DSS) receiver does not respond to the codes listed on page 22.
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.
SOLUTION:	**Please contact us in any of the following ways:**

- Please visit : www.oneforall.com
- If the above website is not able to provide you with the information you need, please email us at ofasupport@ueic.com
- Customer Support : (330) 405-8616

ERROR MESSAGES

INVALID	A wrong key sequence or incorrect data has been entered. Try entry again. been entered. Try entry again.
NOT FOUND	Requested manufacturer's code has not been found in the remote control's database. Try another code.
MAX-15	*Macro* sequence being entered has reached the maximum limit of 15 keystrokes. Try entry again with fewer keystrokes.
END CYCLE	A complete cycle of code search in the URC-9910 remote control's database has been reached. Try another code search or contact *Customer Support* (see *Troubleshooting Section* on page 55).
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 *Troubleshooting Section* on page 55).
MEM FULL	Indicates data captured during learning has filled the URC-9910 remote control's memory. Try deleting older learned keys to free up memory space (see page 31).
MEM FAULT	Indicates data captured during learning has caused a error in the URC-9910 remote control's memory. Try learning again.

COMPLIANCE WITH FCC, IC RULES AND REGULATIONS

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

• Reorient or relocate the receiver antenna.

• Increase the separation between the equipment and the receiver.

• Connect the equipment into an outlet that is different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/television technician for help.

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

FCC Authorization Label

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

1. This device may not cause harmful interference and

2. This device must accept any interference received, including interference that may cause undesired operation.

FCC ID #: DI29910

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

Command Center: **FC** Tested To Comply With FCC Standards

IC Authorization Label

IC:1700-IMPKH9P

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

KEY INDEX

Audio Amplifier Functions

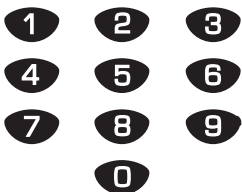|	
(RCVR/AMP)	Press **RCVR/AMP** once to control your audio amplifier.
POWER	Press **POWER** once to turn on or off the selected device (e.g, **RCVR/AMP**).
(GUIDE)	Use **GUIDE** to display your audio amplifier's program guide or setup menu.
(INFO)	Use **INFO** to display the audio amplifier's program information.
SURROUND SOUND SELECT ◄ ► ▲ ▼	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).
+ VOL −	Use **VOL+** (or **VOL-**) to raise (or lower) the audio amplifier's audio volume.
(MUTE)	Press **MUTE** once to turn the audio amplifier's audio off or on.
+ CH −	Use **CH+** (or **CH-**) to select the audio amplifier's next higher (or lower) station (if applicable).
(PREV)	Use **PREV** to change the radio band (if applicable).
1 2 3 4 5 6 7 8 9 0	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**).
ENTER	Press **ENTER** once after entering the source numbers on some audio amplifiers.
TV/VID	Use **TV/VID** to switch the audio amplifier between input and output.
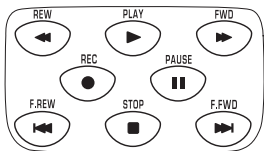
Use the transport keys to control your CD player (if applicable).

SLEEP	Use **SLEEP** to activate your audio amplifier's sleep timer (not available for all devices).
M1 M2 M3	After programming, press M1 ~ M3 once to run a desired macro (see *Using Macros* on page 34).
L1 L2 L3 L4	After programming, press L1 ~ L4 once to activate a learned function. (See *Using Learning* on page 29.)
♀	Use ♀ to turn on or off the key backlight. When this feature is activated, keys will remain backlit for 5 seconds after the last key press. In the setup mode, backlighting will remain on for 30 seconds.
SET	Use **SET** for all programming sequences.

Audio Cassette Deck Functions

AUX	Press **AUX** once to control your audio cassette deck. (See *Re-assigning Device Keys* on page 37.)
POWER	Press **POWER** once to turn on or off the selected device (e.g, **AUX**).
GUIDE	Use **GUIDE** to display your audio cassette deck's program guide (if applicable).
INFO	Use **INFO** to display the audio cassette deck's program information.
SELECT	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.
VOL	Use **VOL+** (or **VOL-**) to raise (or lower) the audio cassette deck's audio volume (if applicable).

KEY INDEX

Audio Cassette Deck Functions (continued)

(MUTE)	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).

(TV/VID)	Use TV/VID to switch the audio cassette deck between input and output.
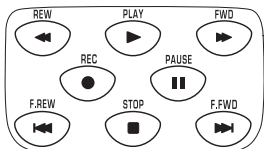
Use the transport keys to control your audio cassette deck.

REW PLAY FWD
REC PAUSE
F.REW STOP F.FWD

M1 M2 M3	After programming, press M1 ~ M3 once to run a desired macro (see *Using Macros* on page 34).
L1 L2 L3 L4	After programming, press L1 ~ L4 once to activate a learned function. (See *Using Learning* on page 29.)
♀	Use ♀ to turn on or off the key backlight. When this feature is activated, keys will remain backlit for 5 seconds after the last key press. In the setup mode, backlighting will remain on for 30 seconds.
(SET)	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 next higher (or lower) station (if applicable).

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he keypad (1 ~ 9 and 0) to select a the origin. pressing an audio source, key after the s 9 - ENTER)

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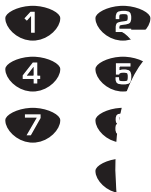
Use **TV/VID** between inpu

KEY INDEX

Audio Receiver Functions (continued)

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

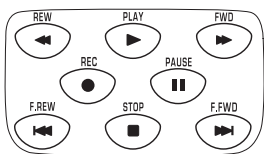|	
SLEEP	Use **SLEEP** to activate your audio receiver's sleep timer (not available for all devices).
M1 M2 M3	After programming, press **M1 ~ M3** once to run a desired macro (see *Using Macros* on page 34).
L1 L2 L3 L4	After programming, press **L1 ~ L4** once to activate a learned function. (See *Using Learning* on page 29.)
♀	Use ♀ to turn on or off the key backlight. When this feature is activated, keys will remain backlit for 5 seconds after the last key press. In the setup mode, backlighting will remain on for 30 seconds.
SET	Use **SET** for all programming sequences.

Audio Turntable Functions

AUX	Press **AUX** once to control your audio turntable. (See *Re-assigning Device Keys* on page 37.)
POWER	Press **POWER** once to turn on or off the selected device (e.g. **AUX**).
GUIDE	Use **GUIDE** to display your audio turntable's program guide (if applicable).
INFO	Use **INFO** to display the audio turntable's program information.
SURROUND SOUND SELECT	Use **SELECT** to select a disc. Use ▲ (or ▼) to select the next (or previous) LP. Use ▶ (or ◀) to select the next (or previous) track.

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KEY INDEX (Continued)

Cable Converter Functions

CBL	Press **CBL** once to control your cable converter.
POWER	Press **POWER** once to turn on or off the selected device (e.g, **SAT**).
MENU	Press **MENU** once to display your cable converter's main menu.
GUIDE	Use **GUIDE** to display your cable converter's program guide or setup menu.
EXIT	Use **EXIT** to exit from your cable converter's guide or menu.
INFO	Use **INFO** to display the cable converter's current channel and program information.
SURROUND SOUND SELECT (cursor keys ▲, ▼, ◄, ►)	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.
VOL	Use **VOL+** (or **VOL-**) to raise (or lower) the cable converter's audio volume (if applicable).
MUTE	Press **MUTE** once to turn the cable converter's audio off or on (if applicable).
FAV	Use **FAV** to scan favorite channels and/or all channels. (See *Using Channel Scan* and *Programming Favorite Channel Scan* on page 41.)
CH	Use **CH+** (or **CH-**) to select the cable converter's next higher (or lower) channel.
PREV	Press **PREV** once to recall the last-viewed channel and to page back one screen on the cable converter's main menu.
1 2 3 4 5 6 7 8 9 0	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.
REW PLAY FWD / REC PAUSE	Use the transport keys to control your cable converter's VOD service (if applicable).
SLEEP	Use **SLEEP** to activate your cable converter's sleep timer (not available for all devices).
M1 **M2** **M3**	After programming, press M1 ~ M3 once to run a desired macro (see *Using Macros* on page 34).
L1 **L2** **L3** **L4**	After programming, press L1 ~ L4 once to activate a learned function. (See *Using Learning* on page 29.)
PIP	Use **PIP** to switch the Picture-In-Picture feature on or off (if available on your TV).
MOVE	Use **MOVE** to move the window picture to different positions in the main picture.
SWAP	Use **SWAP** to switch images and sound between the main and window pictures.
COM SKIP	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.
SET	Use **SET** for all programming sequences.
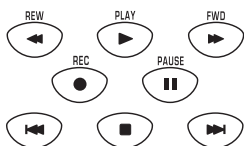
CD Player Functions

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**).
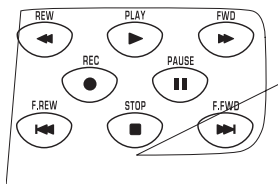
Use the transport keys to control your CD player.

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.
SET	Use **SET** for all programming sequences.

DVD Player Functions

DVD	Press **DVD** once to control your DVD player.
POWER	Press **POWER** once to turn on or off the selected device (e.g, **DVD**).
MENU	Press **MENU** once to display your DVD player's main menu.
GUIDE	Use **GUIDE** to display your DVD player's program guide.
EXIT	Use **EXIT** to exit from your DVD player's guide or menu.
INFO	Use **INFO** to display the DVD player's current channel and program information.
▲ ◄ SURROUND SOUND SELECT ► ▼	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.
+ VOL −	Use **VOL+** (or **VOL-**) to raise (or lower) the DVD player's audio volume (if applicable).
MUTE	Press **MUTE** once to turn the DVD player's audio off or on (if applicable).
FAV	Use **FAV** to scan favorite channels and/or all channels. (See *Using Channel Scan* and *Programming Favorite Channel Scan* on page 41.)
1 2 3 4 5 6 7 8 9 0	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**).

Home Automation Functions

(AUX)	Press **AUX** once to control home automation. (See *Re-assigning Device Keys* on page 37.)
POWER	Press **POWER** once to turn on home automation.
VOL +/−	Use **VOL+** (or **VOL-**) to brighten (or dim) the lights controlled by home automation.
(MUTE)	Press **MUTE** once to turn off home automation.
CH +/−	Use **CH+** (or **CH-**) to turn home automation on (or off).
M1 M2 M3	After programming, press **M1 ~ M3** once to run a desired macro (see *Using Macros* on page 34).
L1 L2 L3 L4	After programming, press **L1 ~ L4** once to activate a learned function. (See *Using Learning* on page 29.)
(💡)	Use 💡 to turn on or off the key backlight. When this feature is activated, keys will remain backlit for 5 seconds after the last key press. In the setup mode, backlighting will remain on for 30 seconds.
(SET)	Use **SET** for all programming sequences.

KEY INDEX

LD (Laser Disc) Player Functions

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

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

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

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

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

INFO — 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).

MUTE — 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**).

TV/VID — Use **TV/VID** to switch the TV's input to view TV or LD programs.
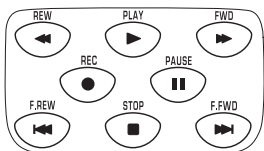
Use the transport keys to control your LD player.

M1 **M2** **M3**	After programming, press M1 ~ M3 once to run a desired macro (see *Using Macros* on page 34).
L1 **L2** **L3** **L4**	After programming, press L1 ~ L4 once to activate a learned function. (See *Using Learning* on page 29.)
💡	Use 💡 to turn on or off the key backlight. When this feature is activated, keys will remain backlit for 5 seconds after the last key press. In the setup mode, backlighting will remain on for 30 seconds.
SET	Use SET for all programming sequences.

Satellite Receiver Functions

SAT	Press SAT once to control your satellite receiver.
POWER	Press POWER once to turn on or off the selected device (e.g, SAT).
MENU	Press MENU once to display your satellite receiver's main menu.
GUIDE	Use GUIDE to display your satellite receiver's program guide or setup menu.
EXIT	Use EXIT to exit from your satellite receiver's guide or menu.
INFO	Use INFO to display the satellite receiver's current channel and program information.
▲ ▼ ◄ ► SELECT SURROUND SOUND	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.
VOL + **VOL −**	Use VOL+ (or VOL-) to raise (or lower) the satellite receiver's audio volume (if applicable).
MUTE	Press MUTE once to turn the satellite receiver's audio off or on (if applicable).
FAV	Use FAV to scan favorite channels and/or all channels. (See *Using Channel Scan* and *Programming Favorite Channel Scan* on page 41.)

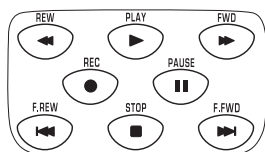|	numbers on some TVs.
ENTER	
TV/VID	Use **TV/VID** to switch the TV's input to view TV or satellite programs.
REW PLAY FWD / REC PAUSE / F.REW STOP F.FWD	Use the transport keys to control your satellite receiver's PVR or VOD service (if applicable).
SLEEP	Use **SLEEP** to activate your satellite receiver's sleep timer (not available for all devices).
M1 **M2** **M3**	After programming, press M1 ~ M3 once to run a desired macro (see *Using Macros* on page 34).
L1 **L2** **L3** **L4**	After programming, press L1 ~ L4 once to activate a learned function. (See *Using Learning* on page 29.)
PIP	Use **PIP** to switch the Picture-In-Picture feature on or off (if available on your TV).
MOVE	Use **MOVE** to move the window picture to different positions in the main picture.
SWAP	Use **SWAP** to switch images and sound between the main and window pictures.

$\begin{smallmatrix}\text{COM}\\\text{SKIP}\end{smallmatrix}$	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.
SET	Use **SET** for all programming sequences.

TV Functions

TV	Press **TV** once to control your television.
POWER	Press **POWER** once to turn on or off the selected device (e.g, **TV**).
MENU	Press **MENU** once to display your TV's main menu.
GUIDE	Use **GUIDE** to display your TV's program guide or setup menu.
EXIT	Use **EXIT** to exit from your TV's guide or menu.
INFO	Use **INFO** to display the TV's current channel and program information.
▲ ▼ ◄ ► SURROUND SOUND **SELECT**	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.
+ VOL −	Use **VOL+** (or **VOL-**) to raise (or lower) the TV's audio volume.
MUTE	Press **MUTE** once to turn the TV audio off or on.
FAV	Use **FAV** to scan favorite channels and/or all channels. (See *Using Channel Scan* and *Programming Favorite Channel Scan* on page 41.)

KEY INDEX

TV Functions (continued)

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

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

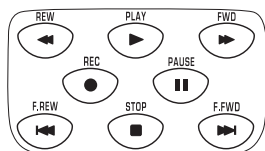Use the keypad (1 ~ 9 and 0) to directly select channels (e.g., 009 or 031). If the original remote control required pressing an Enter key to change the channel, also press the ENTER key after the channel number (e.g., 0-3-1-ENTER).

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

TV/VID 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.

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

M1 M2 M3 After programming, press M1 ~ M3 once to run a desired macro (see *Using Macros* on page 34).

L1 L2 L3 L4 After programming, press L1 ~ L4 once to activate a learned function. (See *Using Learning* on page 29.)

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

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

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

COM SKIP	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.
SET	Use **SET** for all programming sequences.

VCR Functions

VCR	Press **VCR** once to control your VCR.
POWER	Press **POWER** once to turn on or off the selected device (e.g, VCR).
MENU	Press **MENU** once to display your VCR's main menu.
GUIDE	Use **GUIDE** to display your VCR/PVR's program guide or setup menu (if applicable).
EXIT	Use **EXIT** to exit from your VCR's guide or menu.
▲ ▼ ◄ ► SELECT SURROUND SOUND	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.
+ − VOL	Use **VOL+** (or **VOL-**) to raise (or lower) the VCR's audio volume (if applicable).
MUTE	Press **MUTE** once to turn the VCR audio off or on (if applicable).
FAV	Use **FAV** to scan favorite channels and/or all channels. (See *Using Channel Scan* and *Programming Favorite Channel Scan* on page 41.)
+ − CH	Use **CH+** (or **CH-**) to select the TV's next higher (or lower) channel.

continued on next page...

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

| (💡) | 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. |
| (SET) | Use SET for all programming sequences. |

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