

**ONE
FOR ALL**

KAMELEON™
8-Device
Universal Remote Control
With IR/RF Base Station
URC-9964B00



User's Guide

ONE FOR ALL KAMELEON 8-DEVICE REMOTE WITH RF

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INTRODUCTION

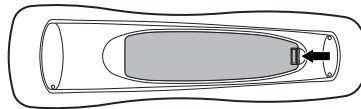
The OFA Kameleon™ 8-Device Remote with RF (URC-9964B00) is a revolutionary universal remote control that uses Universal Electronics' Kameleon Technology. Moreover, it allows you to consolidate the clutter of all of your original remote controls into one easy-to-use product. Advanced features include:

- **Kameleon Technology** – dynamic menu screens that respond to device selection and illuminate only active keys
- **Home Theater Mode** – a custom mode that groups the most-often-used keys together for operating convenience in one mode
- **Macros** – for instant activation of favorite key sequences
- **Learning** – 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
- **Direct Code Setup** – for easy device programming with setup codes
- **Innovative Code Search** – allows setup of your devices without looking up codes
- **IR/RF Base station** – for extended remote control signal range
- **Favorite Channel Scan** – for easy channel surfing of favorite channels
- **Volume Lock** – to assign volume controls to individual devices or to one global device
- **Extensive Code Library** – largest and most efficient group of IR remote control codes for virtually every current brand and make
- **Upgradeability** – our unique telephone upgrade system ensures your remote control always has the latest setup codes when adding new devices in the future

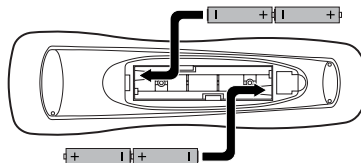
After installing four (4) new AAA alkaline batteries (not included, see next page), you can immediately use the unit to control a Motorola Cable Box, a Toshiba DVD Player, a Philips Tivo PVR (DVR), a Pioneer CD Player and Audio Receiver, and a RCA TV, VCR, and Satellite Receiver. To control other brands than the default ones, see *Programming Device Control* on page 15.

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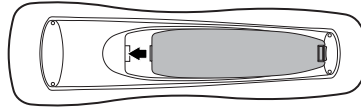
INSTALLING BATTERIES



1



2



3

NOTE: The two bottom segments of the IR indicator flash when the batteries are running low. The batteries need replacement if one of the following conditions occurs:

1. Pressing any key turns on all keys and icons.
2. The vibration switch no longer activates the display (if the vibration switch feature is still enabled).
3. Pressing a key while the screen is off causes all of the keys and icons to turn on.

See "Battery Use And Safety" on page 66 for additional information.

1. On the remote control's back, 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 battery case, then insert the new batteries.
3. Press the battery cover back into place. The tab should click when the cover is locked.
4. Once the batteries are inserted correctly, press anywhere in the middle part of the screen. The display will turn on and show all keys. If a key is not pressed after the display turns on, the display will turn off. The display can be turned on by moving the unit or by pressing on the center of the screen.

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HOW KAMELEON™ WORKS

Kameleon™ allows wireless controllers to dynamically change their appearance and functionality, to match the home entertainment environment. Moreover, this technology provides unparalleled ease-of-use and superior control by delivering a uniquely intuitive, graphical interface that intelligently illuminates only the active keys.

The OFA Kameleon 8-Device Remote with RF uses Kameleon technology to provide the versatility of an LCD remote control with the feel of a traditional push button unit. The result is a stunning, bright display with engaging animation and touch-sensitive graphics for the user.

The remote control includes convenient *Menu Driven* programming. The displays are divided into two types of interactive screens: *Device Menus* for normal remote control use, and *Programming Menus* for feature setup. Acting like its namesake, Kameleon changes the *Device Menu* for the device being selected. For example, selecting TV displays a main menu that contains channel selection, volume control, and a keypad. However, selecting a DVD player still displays a menu with those same keys as the TV, but now navigation keys and transport controls are added for the DVD device.

Several devices have additional menus that can be accessed using **SCROLL** (see *Device Menu Screens*, starting on page 56. For example, TV has three menus: a main menu with keys for a general purpose TV, a second menu screen that adds navigation keys and removes **FORMAT**, **INPUT** and **ENTER** keys, and a third menu screen that adds **INPUT**, **ENTER**, and **PIP** keys. Depending on desired features, a user has the flexibility to use any menu screen that works best for the selected device.

NOTE: *The CD, DVD, and PVR modes do not have additional menu screens even though SCROLL is displayed.*

Animated key graphics also provided enhanced operational feedback, so the user can easily see what mode is active and when the commands are communicating with a device. The end result of Kameleon technology is a simple, elegant, and intelligent way of organizing a large number of remote control keys for eight different devices in a relatively small case.

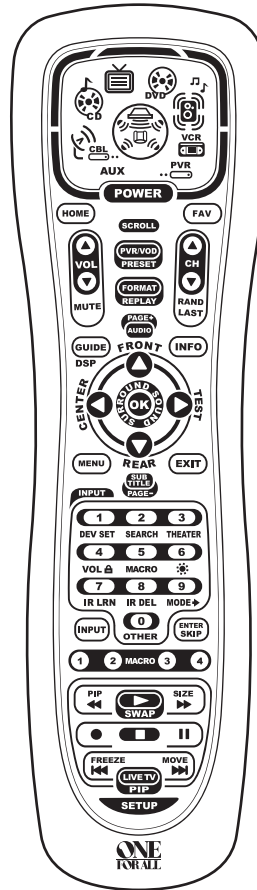
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FEATURES AND FUNCTIONS

Use the illustration to the right to locate features on the OFA Kameleon 8-Device Remote with RF (URC-9960) and then refer to the *Key Charts* (starting on page 7) to learn how they function.

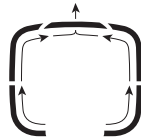
NOTE: *The illustration shows all remote control keys. In actual operation, only active keys used by the selected device are displayed and non-active keys are hidden.*

To find out what type of devices can be controlled by each device key after programming, see the *Device Table* on page 12.

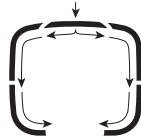


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KEY CHARTS.



When a key is pressed, the **IR Segments** animate. Outgoing animation (see arrows) indicates the remote control is sending IR signals to a selected device.



Incoming animation (see arrows) indicates the remote control is receiving IR signals from a device being learned (see *Using Learning* on page 32)



Press a **Device Key** once to select a home entertainment device to control (e.g., **DVD**). When selected, the **Device Key** animates to indicate it is currently active. Also see the *Device Table* on page 12.



After programming, press the **Home Theater** key once to select the home theater mode (see *Using The Home Theater Mode* on page 21).



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



During programming, the **HOME** key appears. Use it to exit the program screen or to return to the last-selected device key screen.



In the **AUX**, **CBL/SAT**, and **TV** modes, use **FAV** to scan through all channels, or after programming, to scan through 10 favorite channels.



In the **AUX**, **CBL/SAT**, **TV**, **AUDIO**, and **VCR** modes, use **SCROLL** to view additional key screens for the selected device.



Use **VOL ▲** (or **VOL ▼**) to raise (or lower) the sound volume for the selected device (also see *Changing Volume Lock* on page 27).

Press **MUTE** once to turn the sound off or on.

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PVR/VOD

In the **AUX** and **CBL/SAT** modes, use **PVR/VOD** to access PVR/VOD programs (if available on your cable or satellite service).

PRESET

In the **AUDIO** mode, use **PRESET** to access preset stations on your audio device.

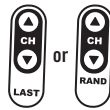
FORMAT

In the **TV** mode, use **FORMAT** to change the aspect ratio or zoom (if feature is available on your TV).

REPLAY

In the **DVD** or **PVR** mode, press **REPLAY** once to replay a DVD chapter or a recorded program on your PVR (or DVR).

In the **CBL/SAT** and **AUX** modes, press **SCROLL** once to display **REPLAY** and then press **REPLAY** once to replay a VOD program (if available on your cable or satellite service).



Use **CH ▲** (or **CH ▼**) to select the next higher (or lower) channel.

In all modes except **CD**, **DVD**, and **PVR**, press **LAST** once to recall the last channel.

In the **PVR** mode, use **LAST** to select live or recorded video.

In the **CD** or **DVD** modes, press **RAND** to play random tracks or chapters.

PAGE+
PAGE-

In the **AUX** and **CBL/SAT** modes, use **PAGE+** or **PAGE-** to page up or down through channels in the program guide.

AUDIO

In the **DVD** mode, press **AUDIO** once to access DVD audio formats (if available).

GUIDE

In all modes except **AUDIO**, use **GUIDE** to display your selected device's program guide or setup menu.

DSP

In the **AUDIO** mode, use **DSP** to access DSP features (if available) on your audio device.

INFO

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

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In the **AUX**, **CBL/SAT**, **CD**, **DVD**, and **PVR** modes, use the **Cursor Keys** to move the cursor in the program guide and menu screens.

Use **OK** to choose options from your selected device's menu or guide.

In the **TV** or **VCR** mode, press **SCROLL** once to access the **Cursor** and **OK** Keys.

In the **AUDIO** mode, press **SCROLL** twice to access the **Cursor** and **OK** Keys.



In the **AUDIO** mode, use the **Cursor Keys** to move the cursor to select or test surround sound channels on your audio device. Also see **VOL** keys (above left).

Use **OK** to choose options from your audio device's menu or guide.



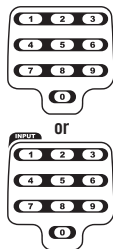
Press **MENU** once to display your selected device's main menu.



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



In the **DVD** or **AUDIO** mode, press **SUBTITLE** once to display (or turn off) subtitles, if available on your DVD or audio device.



In all modes except **AUDIO**, use the **Number Keys** (**1 – 9** and **0**) to directly select channels (e.g., **009** or **031**) or enter numbers. In the **AUDIO** mode, use the **Number Keys** to directly select inputs **1 – 9** and **10**. To enter channels in the **AUDIO** mode, press **SCROLL** three times to view channel **Number Keys** (see above)



Use **INPUT** to change the input source for a selected device.



For certain brands in all modes except **CD** and **AUDIO**, press **ENTER** once after entering numbers (if required on your original remote control).

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For **CD** or **AUDIO** modes, press **SKIP** once to skip to the next track on your audio device.



After programming, press **Macro Key 1 – 4** once to run a macro (see *Using Macros* on page 29).



In the **CD**, **DVD**, **AUDIO**, and **VCR** modes, use the **Transport Keys** to control the device's transport.

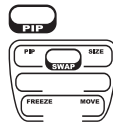
or



In the **PVR** mode, use the **LIVE Transport Keys** to control PVR/DVR video.

In the **CBL/SAT** or **AUX** mode, press **SCROLL** once to display and use the **LIVE Transport Keys** to control VOD (Video On Demand) if available on your cable/satellite service.

In all modes except **TV**, press **RECORD** twice to record a program on your device (if function is available).



In the **TV** mode, press **PIP** once (or press **SCROLL** twice) to display the **PIP Keys**. Use them to control the following Picture-In-Picture features (if available) on your TV:



Use **PIP** to switch the Picture-In-Picture feature on or off.



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



Use **SIZE** to select a different picture window size.



Press **FREEZE** once to capture a frame of video in the main picture. Press it again to resume normal viewing.

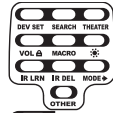


Use **MOVE** to move the window picture to different places in the main picture.



Use **SETUP** to enable the programming screen.

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In the program mode, use the **Program Keys** to personalize the remote control as follows:

Use **DEV SET** to program your device codes. See *Programming Device Control* on page 15.

Use **SEARCH** as an alternate way to set up a device by searching available codes. See *Searching For Your Code* on page 19.



Use **THEATER** to create a custom mode with favorite remote control keys from different devices in your home theater system. See *Using The Home Theater Mode* on page 21.



Use **VOL (Volume Lock)** to set volume controls for individual or global device use. See *Changing Volume Lock* on page 27.



Use **MACRO** to program a series of commands on five available macro keys. See *Using Macros* on page 29.



Use **Brightness** to adjust the brightness level of the EL display. See *Adjusting Brightness* on page 13.



Use **IR LRN** and **IR DEL** to add and delete key functions learned from your original device remote controls. See *Using Learning* on page 32.



Use **MODE** to reassign an unused device key to control a second device. See *Reassigning Device Keys* on page 36.










Use **OTHER** to program other functions. See the *Table of Contents* on page 2 for sections on *Checking The Codes*, *Programming Favorite Channel Scan*, *Using Keymover*, or *Upgrading*.

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DEVICE TABLE

NOTE: Please refer to the table below when performing the instructions in "Programming Device Control" on page 15.

After programming, the OFA Kameleon 8-Device Remote with RF will be able to control the following types of devices:

DEVICE KEY	CONTROLS THESE DEVICES
AUX	Video Accessory or second device (e.g., Cable Box, Satellite Receiver, DVD Player, etc.) by reassigning device keys (see <i>Reassigning Device Keys</i> on page 36)
	Cable Box (converter), Cable/DVR Combo, Satellite receiver, Satellite/PVR Combo
	CD Player, Mini Disc player or Home Automation
	Television (including HDTV, Plasma and LCD), TV/DVD Combo (listed as TV Codes), TV/VCR Combo (listed as TV Codes).
	DVD players, Home-Theater-In-A-Box devices (listed as DVD codes), TV/DVD Player Combo, TV/DVD/VCR Player Combo, DVD/VCR Player Combo (listed as DVD Codes) or DVD/PVR Combo
	Audio Amplifier, Audio Receiver or Home-Theater-In-A-Box devices (listed as Receiver codes under <i>Setup Codes For Audio Receivers</i> on page 42)
	VCR, TV/VCR Combo (listed as VCR Codes) or VCR/DVD Combo (listed as VCR Codes)
	PVR

Note: When programming a code, make sure that the correct mode key is selected, and that a valid code is programmed for that device (see controls these devices, above).

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ADJUSTING THE DISPLAY

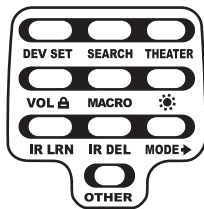
Your new remote has several ways to adjust the display for your comfort and best use.

ADJUSTING BRIGHTNESS

The OFA Kameleon 8-Device Remote with RF has five levels of brightness adjustment and is set to the middle one at the factory. To increase or decrease the brightness, perform the following steps:

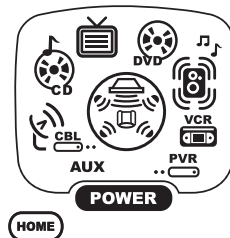
NOTE: *Increasing the brightness of the display can decrease battery life.*

1. Press and hold **SETUP** until the two bottom IR segments flash twice. The **Program Keys** appear.



NOTE: *If the display turns off because of inactivity, you must start the programming sequence again by repeating this step.*

2. Press (**Brightness**) once. The *Brightness* programming screen appears:



- To increase brightness, press ▲ one or more times.
- To decrease brightness, press ▼ one or more times.

3. When the desired brightness is achieved, press **HOME** twice to exit programming and return to the last-selected device menu screen.

NOTE: *Otherwise, to program other features, press HOME only once to return to the Program Keys.*

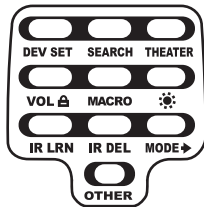
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ADJUSTING HOW LONG THE SCREEN LIGHT IS ON

The OFA Kameleon 8-Device Remote with RF allows you to control how long the screen light remains on after the last button is pressed. The display-on time is set at the factory to run for about 8 seconds. To increase or decrease that time, perform the following steps:

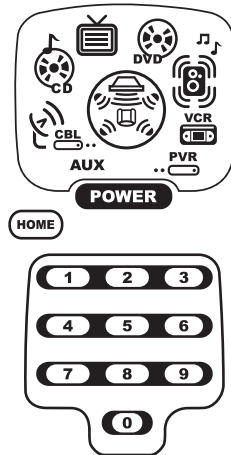
NOTE: *Increasing the display on time can decrease battery life.*

1. Press and hold **SETUP** until the two bottom IR segments flash twice. The **Program Keys** appear.



NOTE: . *If the display turns off because of inactivity, you must start the programming sequence again by repeating this step.*

2. Press **OTHER** once. The *Other* programming screen appears:



3. Using the **Number Keys**, enter **9 7 8**. The bottom two IR segments flash twice and display the *Other* screen again.
4. Use the following table to choose the "light on" time:

Press... ..to set the light for

1	4 seconds
2	8 seconds
3	12 seconds
4	16 seconds
5	20 seconds

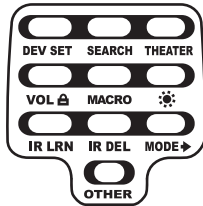
5. Press **HOME** twice to exit programming and return to the last-selected device menu screen.

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SETTING THE VIBRATION SWITCH

The OFA Kameleon 8-Device Remote with RF is set at the factory to turn the display on when you pick it up, before you even press a button (the vibration switch is on). To turn vibration off, perform the following steps.

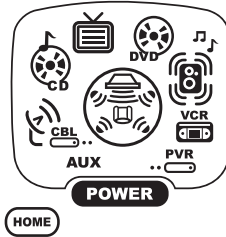
1. Press and hold **SETUP** until the two bottom IR segments flash twice. The **Program Keys** appear.



NOTE: Turning off the vibration switch can significantly extend battery life.

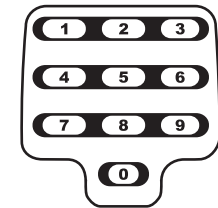
NOTE: If the display turns off because of inactivity, you must start the programming sequence again by repeating this step.

2. Press **OTHER** once. The *Other* programming screen appears:



3. Using the **Number Keys**, enter **9 8 5**. The bottom two IR segments flash four times, to indicate vibration switch has been turned off.
4. Press **HOME** twice to exit programming and return to the last-selected device menu screen.

To turn vibration switch back on, repeat steps 1 to 4 above. Note that the bottom two IR segments flash twice (in step 3), to indicate that the vibration switch is back on.



PROGRAMMING DEVICE CONTROL

The OFA Kameleon 8-Device Remote with RF is preset at the factory to operate the following devices:

- Motorola Cable Box (using the **AUX** key)
- Philips Tivo PVR (DVR)
- Pioneer CD Player and Audio Receiver
- RCA TV, VCR, and Satellite Receiver
- Toshiba DVD Player

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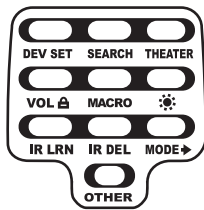
To control devices other than the default brands, perform the following steps; otherwise skip this section.

NOTE: . To control a Combo device, perform the instructions in “Programming DVD Player/VCR Combo Control” on page 17.

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

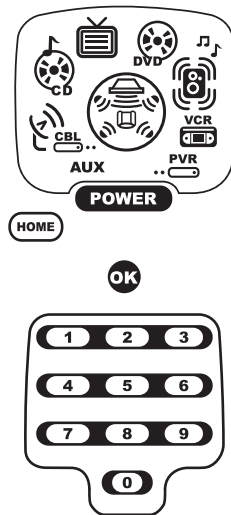
NOTE: Read steps 2 through 9 completely before proceeding. Before starting step 2, review the “Manufacturer’s Codes” (starting on page 42). Brands are listed alphabetically in order of most popular ones first. Highlight or write down the devices and the codes you wish to program.

1. Press and hold **SETUP** until the two bottom IR segments flash twice. The **Program Keys** appear as **SETUP** flashes repeatedly



NOTE: . If the display turns off due to inactivity, the remote control exits programming and return to the last-selected device menu screen. To start programming again, repeat this step. To stop programming at any time, press **HOME** once to return to the **Program Keys** screen. Press **HOME** once more to exit completely.

2. Press **DEV SET** once. The Device Setup programming screen appears:



3. Press a device key once (i.e., **AUX, CBL/SAT, CD, TV, DVD, AUDIO, VCR,** or **PVR**). The selected device key animates.

NOTE: Refer to the Device Table on page 12 when choosing a device key for programming.

4. Use the *Manufacturer’s Codes* (starting on page 42) to locate the type of device and brand name and then use the **Number Keys** to enter the first code for your device. The bottom two IR segments flash twice.

NOTE: If the bottom two IR segments displayed one long flash, a mistake has occurred. Try entering the code again.

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5. Aim the remote control at the device and press **POWER** once. The device should turn off. If it does not, repeat steps 5 and 6, trying each code for your brand until you find one that works. If it still doesn't work, try *Searching For Your Code* on page 19.

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

6. If the code works, press **OK** once. The two bottom IR segments display one long flash.
7. If necessary, repeat steps 4 through 7 for each device you want to control. If finished, press **HOME** twice to exit programming and return to the last-selected device menu screen.
8. For future reference, write down each working device code in the following boxes:

AUX Code:

Device Type: _____

CBL/SAT Code:

Device Type: _____

CD Code:

Device Type: _____

DVD Code:

Device Type: _____

TV Code:

AUDIO Code:

Device Type: _____

VCR Code:

Device Type: _____

PVR Code:

PROGRAMMING COMBO DEVICE CONTROL

You can set the OFA Kameleon 8-Device Remote with RF to control your combo devices such as TV/VCR, TV/DVD, Satellite/DVR, Home-Theater-In-A-Box, and many others. For a complete list of combo devices, refer to the device table on page 7. To program a DVD Player/VCR combo, follow the steps below.

NOTE: Some combo device types have codes that you can program on separate device keys. For example, you can program DVD Player/VCR Combo codes

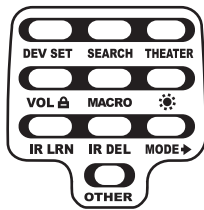
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under the VCR or DVD mode keys. Refer to the Setup Codes for DVD Player/VCR Combos section. You only need to program one code to control your combo device.

1. Turn on the DVD Player/VCR Combo and insert a DVD.

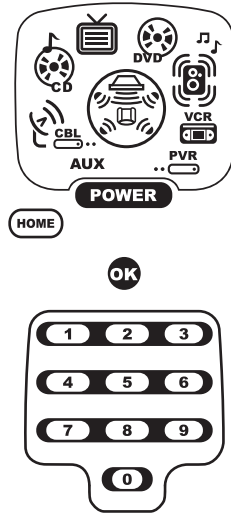
NOTE: Please read steps 2 through 8 completely before proceeding. Before starting step 2, review the "Setup Codes For DVD Player/VCR Combos" (on page 45). Brands are grouped by VCR codes or DVD codes, and are listed alphabetically in order of most popular ones first. Highlight or write down the devices and the codes you wish to program.

2. Press and hold **SETUP** until the two bottom IR segments flash twice. The Program Keys appear as **SETUP** flashes repeatedly.



NOTE: . If the display turns off due to inactivity, the remote control exits programming and return to the last-selected device menu screen. To start programming again, repeat this step. To stop programming at any time, press **HOME** once to return to the Program Keys screen. Press **HOME** once more to exit completely.

3. Press **DEV SET** once. The Device Setup programming screen appears:



4. Press **DVD** once (or **VCR** if your combo device uses a VCR Code). The key will animate.
5. Use the Setup Codes For DVD Player/VCR Combos (on page 45) to locate the brand name and then use the **Number Keys** to enter the first code for your device. If performed correctly, the two bottom IR segments flash twice.

NOTE: If the two bottom IR segments displayed one long flash instead, an error has occurred. Try entering the same code again.

6. Aim the remote control at the device and press **POWER** once. The device should turn off.

USER'S GUIDE

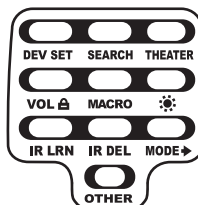
- If the code works, Press **OK** once. The two bottom IR segments will flash twice.
- To exit programming, press **HOME** twice. The display returns to the last-selected device menu screen.

SEARCHING FOR YOUR CODE

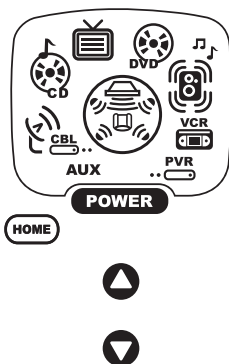
If your device does not respond after trying all codes listed for your brand, or if your brand is not listed at all, try searching for your code. For example, to search for a code for your TV:

NOTE: Before performing a code search for a CD or DVD player or a VCR, turn on the device and insert the required media

- Press and hold **SETUP** until the two bottom IR segments flash twice. The **Program Keys** appear as **SETUP** flashes repeatedly.



- Press **SEARCH** once. The *Search Codes* programming screen appears:



- Press a device key once (e.g., **TV**). The selected device key animates. The device's *Main Menu* screen appears with the **HOME** key still displayed.
- Press **POWER** once to select it as the search test function. The *Search Programming* screen appears again.

NOTE: With **POWER** as the search test function, a "Power On" IR command is sent to the device each time a test code is sent. As a confirmation, the IR segments display an outgoing animation.

NOTE: If your device or its original remote control does not have a Power key, select a different test function in this step (e.g., **CH+**, **VOL+**, **Play**, etc.).

- Aim the remote control at the device (e.g., **TV**) and press **▲** one or more times. Stop when a working code performs the test function selected in step 4. If desired, use **▼** to try a previous code.

NOTE: In the search mode, the remote control sends IR codes from its library to the selected device, starting with the most popular code first.

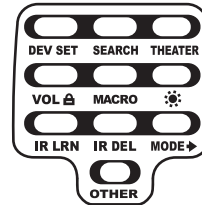
ONE FOR ALL KAMELEON 8-DEVICE REMOTE WITH RF

6. To lock the code, press **OK** once. The two bottom IR segments flash twice.
7. To search for codes of your other devices, repeat steps 3 to 6.
8. To exit programming, press **HOME** twice. The display returns to the last-selected device menu screen.

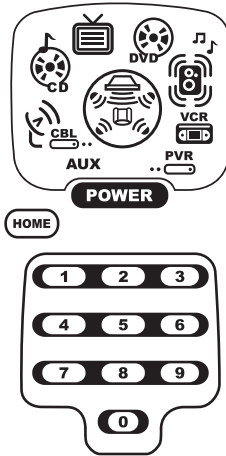
CHECKING THE CODES

If you have set up the remote control using the *Searching For Your Code* procedure (on the left), you may need to find out which code is operating your equipment. For example, to find out which code is operating your TV:

1. Press and hold **SETUP** until the two bottom IR segments flash twice. The **Program Keys** appear as **SETUP** flashes repeatedly.



2. Press **OTHER** once. The *Other* programming screen appears:



3. Using the **Number Keys**, enter **9 9 0**. The bottom two IR segments flash twice.
4. Press a device key once (i.e., **AUX, CBL/SAT, CD, TV, DVD, AUDIO, VCR, or PVR**). The selected device key animates.
5. To view the code for the first digit, press **1** once. Count the number of times the two bottom IR segments flash (e.g., three flashes = 3) and write down the number in leftmost box in the TV code boxes on page 17.

NOTE: If a code digit is "0", the two bottom IR segments do not flash.

6. Repeat step 5 three more times for remaining digits. Use **2** for the second digit, **3** for the third digit, and **4** for the fourth digit. Write down the code digits in the remaining TV code boxes on page 17.

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NOTE: If you enter an invalid number (e.g., 7) or key (e.g., Play), the two bottom IR segments display one long flash and return to the "Other" programming screen. Start again with step 2 above.

7. To check for codes of other devices, repeat steps 4 to 6, but substitute the appropriate device key for each device you are checking. Write down the device's code digits in the appropriate code boxes on page 17.
8. To exit programming, press **HOME** twice. The display returns to the last-selected device menu screen.

USING THE HOME THEATER MODE

The OFA Kameleon 8-Device Remote with RF includes a custom Home Theater mode. After the **Home Theater** key is programmed, it allows you to access four groups of remote control keys without having to change device modes.

CONTROL ORGANIZATION

For Home Theater programming, the remote control's keys are grouped by type of control into the following four control groups:

Video Playback: **Transport Controls (Rewind, Play, Fast Forward, Stop, Pause, Record, Skip Forward, Skip Back), and LIVE TV**

Volume Controls: **VOL+, VOL-, and MUTE**

Channel Controls: **CH+, CH-, INPUT, Keypad (0 - 9), FAV, ENTER, LAST**

Menu Controls: **Cursor Controls (Up, Down, Left, Right), OK, PAGE+, PAGE-, MENU, INFO, GUIDE, EXIT**

Moreover, the above *Control Groups* can be used in the following modes:

Video Playback: **AUDIO, AUX, CBL/SAT, CD, DVD, PVR, VCR**

Volume Controls: **AUDIO, AUX, CBL/SAT, CD, DVD, PVR, TV, VCR**

Channel Controls: **AUX, CBL/SAT, DVD, PVR, TV, and VCR**

Menu Controls: **AUDIO, AUX, CBL/SAT, CD, DVD, PVR, TV, and VCR**

ONE FOR ALL KAMELEON 8-DEVICE REMOTE WITH RF

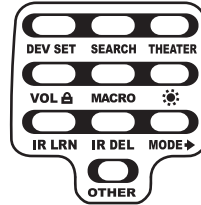
FACTORY DEFAULT SETTINGS

At the factory, the *Control Groups* are assigned the following modes as default settings:

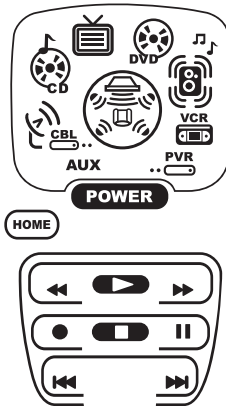
<i>Video Playback:</i>	DVD	If the default settings fit your needs, you can skip programming this mode.
<i>Volume Controls:</i>	AUDIO	Otherwise, perform the steps in the following section to assign device modes to the <i>Control Groups</i> .
<i>Channel Controls:</i>	CBL/SAT	
<i>Menu Controls:</i>	CBL/SAT	

PROGRAMMING THE HOME THEATER MODE

1. Press any device key once (i.e., **AUX**, **CBL/SAT**, **CD**, **TV**, **DVD**, **AUDIO**, **VCR**, or **PVR**). The selected device key animates.
2. Press and hold **SETUP** until the two bottom IR segments flash twice. The **Program Keys** appear as **SETUP** flashes repeatedly.



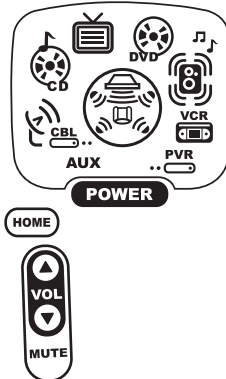
3. Press **THEATER** once. The *Video Playback* programming screen appears:



NOTE: If a device key is animated, it is assigned to this function group. To continue programming the Home Theater mode, you must select a device key, even if it is the same one that is currently animated.

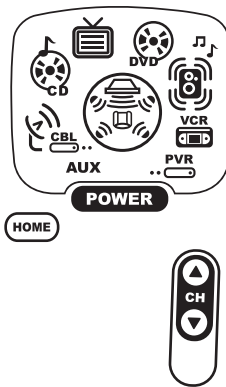
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- To assign a mode to the *Video Playback* group, press a device key once (i.e., **AUX**, **CBL/SAT**, **CD**, **TV**, **DVD**, **AUDIO**, **VCR**, or **PVR**). Then the *Volume Controls* programming screen appears:



NOTE: . If a device key is animated, it is assigned to this function group. To continue programming the Home Theater mode, you must select a device key, even if it is the same one that is currently animated.

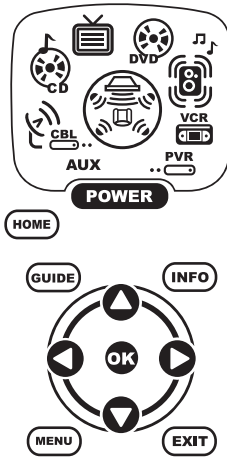
- To assign a mode to the *Volume Controls* group, press a device key once. Then the *Channel Controls* programming screen appears:



NOTE: . If a device key is animated, it is assigned to this function group. To continue programming the Home Theater mode, you must select a device key, even if it is the same one that is currently animated.

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- To assign a mode to the *Channel Controls* group, press a device key once. Then the *Menu Controls* programming screen appears:



NOTE: If a device key is animated, it is assigned to this function group. To continue programming the Home Theater mode, you must select a device key, even if it is the same one that is currently animated.

- To assign a mode to the *Menu Controls* group, press a device key once. Since *Home Theater* programming is now complete, the **Program Keys** appear again.
- To exit programming, press **HOME** once. The display returns to the last-selected device menu screen.

USING THE IR/RF BASE STATION

The OFA Kameleon 8-Device Remote with RF (URC-9964B00) comes with an IR/RF Base Station which receives radio-frequency (RF) signals from the OFA Kameleon 8 Device Remote with RF, anywhere in your home, up to 100 feet away. Once it is set up, the IR/RF Base Station will convert the RF signals into Infrared (IR) signals to control your home theater devices.

NOTE: The OFA Kameleon 8-Device Remote with RF transmits both an IR and an RF signal simultaneously. It is your option whether you want to install the IR/RF Base Station for extended remote control range. If you choose to do so, during testing do not aim the OFA Kameleon 8-Device Remote with RF at your home entertainment devices to verify that RF transmission is working.

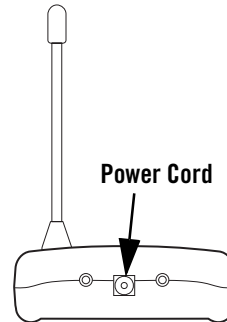
NOTE: The RF signal transmitted by the OFA Kameleon 8-Device Remote with RF, only works with the IR/RF Command Center.

SETTING UP THE IR/RF BASE STATION

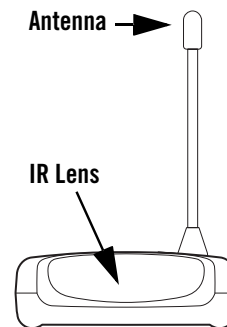
- Find a location approximately 8 feet in front of your home theater devices. It should provide (line-of-sight) access to your equipment and a power outlet to plug in the IR/RF Base Station.

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2. Plug in the IR/RF Base Station's power cord to the base station and to the wall plug, as shown in the image to the right:



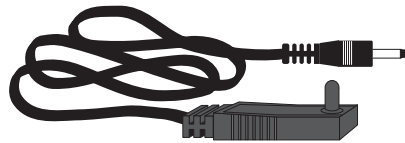
3. Position the IR/RF Base Station so the black IR Lens is aimed at your home theater devices, as shown to the right:
4. To test the IR/RF Base Station, take the OFA Kameleon 8-Device Remote with RF into another room in your home or up to 100 feet away in an open range. Select a device key (e.g., **TV**) 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 "Adding the IR Signal Extension Cord" on page 25). Also review the tips in "Optimizing IR/RF Base Station Reception" on page 27.

ADDING THE IR SIGNAL EXTENSION CORD

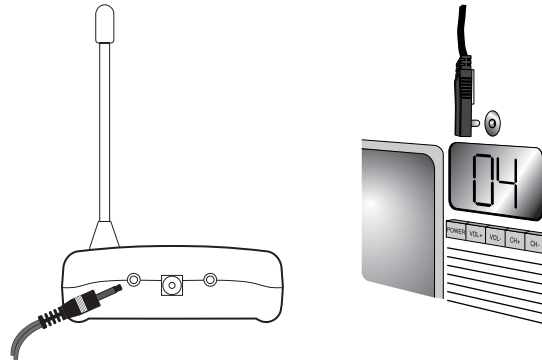
Included with the OFA Kameleon 8-Device Remote with RF package is an IR Signal Extension Cord for use with a home theater device that is not in direct line-of-sight of the IR/RF Base Station.



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

1. Plug the 4-foot IR Signal Extension Cord into the back of the IR/RF Base Station.
2. Run the IR Signal Extension Cord to the device that is not in line-of-sight of the IR/RF Base Station.
3. Using the supplied double-sided tape, attach the IR Signal Extension Cord so that its LED is in direct sight of the IR sensor of your home theater device.



4. Test the installation by again taking the OFA Kameleon 8-Device Remote with RF into another room in your home, or up to 100 feet* away in an open range. 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 OFA Kameleon 8-Device Remote with RF 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

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OPTIMIZING IR/RF BASE STATION RECEPTION

Here are some adjustment tips for optimizing the operation of your IR/RF Base Station:

- Aim the OFA Kameleon 8-Device Remote with RF toward the room where the IR/RF Base Station is located.
- Do not position the IR/RF Base Station near metal objects, such as heat ducts. Metal can absorb RF signals.
- Make sure the batteries in the OFA Kameleon 8-Device Remote with RF are fully charged. Try replacing them if you are not sure (see "Installing Batteries" on page 4). Weak batteries will affect the signal range.
- Make sure that the OFA Kameleon 8-Device Remote with RF is not being affected by other RF transmissions (e.g., garage door openers, cordless telephones, etc.).

NOTE: *The tests for range limits of the OFA Kameleon 8-Device Remote with RF and the IR/RF Base Station 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.*

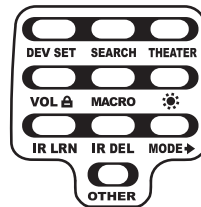
CHANGING VOLUME LOCK

The OFA Kameleon 8-Device Remote with RF is set at the factory for independent volume control of each selected device.

However, you may change the Volume Lock setting to *Global Volume Lock* so that a device's volume is locked to one mode (e.g., to control TV volume in all other modes). After that you can perform *Individual Volume Unlock* on a selected device to set its volume control for independent operation.

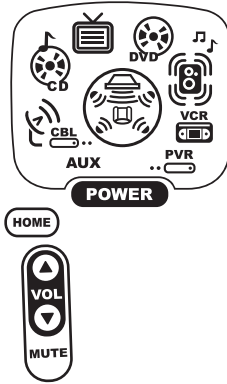
LOCKING VOLUME CONTROL TO ONE MODE (GLOBAL VOLUME LOCK)

1. Press and hold **SETUP** until the two bottom IR segments flash twice. The **Program Keys** appear as **SETUP** flashes repeatedly.



ONE FOR ALL KAMELEON 8-DEVICE REMOTE WITH RF

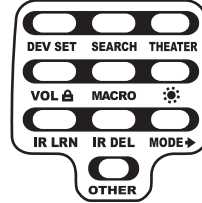
2. Press **VOL** once. The *Volume Lock* programming screen appears:



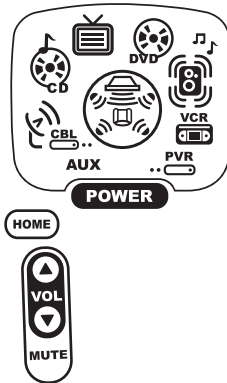
3. Press a device key once (i.e., **AUX**, **CBL/SAT**, **CD**, **TV**, **DVD**, **AUDIO**, **VCR**, or **PVR**) where you want the volume controls locked to. The two bottom IR segments flash twice and the **Program Keys** appears again.
4. To exit programming, press **HOME** once. The display returns to the last-selected device menu screen.
5. Now, when you press **VOL▲**, **VOL▼**, or **MUTE**, the selected device's volume is controlled, regardless of the mode selected.

UNLOCKING VOLUME CONTROL FOR A SINGLE DEVICE (INDIVIDUAL VOLUME UNLOCK)

1. Press and hold **SETUP** until the two bottom IR segments flash twice. The **Program Keys** appear as **SETUP** flashes repeatedly.



2. Press **VOL** once. The *Volume Lock* programming screen appears:



3. Press **VOL▼** once. Press a device key once (i.e., **AUX**, **CBL/SAT**, **CD**, **TV**, **DVD**, **AUDIO**, **VCR**, or **PVR**) where you want the volume controls unlocked. The two bottom IR segments flash four times and the **Program Keys** appear again.

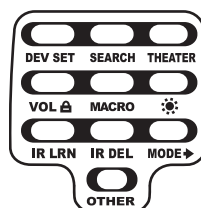
*NOTE: The programming mode is still active as denoted by the flashing **SETUP** key. If desired, use the other **Program Keys** to continue programming (see Table of Contents on page 2 for related sections).*

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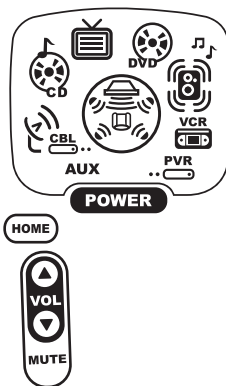
4. If desired, repeat steps 2 through 3 (of this section) for each device that you want volume to be unlocked.
5. To exit programming, press **HOME** once. The display returns to the last-selected device menu screen.
6. Now, after you select a device that has volume unlocked, pressing **VOL▲**, **VOL▼**, or **MUTE** controls the device's volume only in its own mode.

UNLOCKING ALL VOLUME CONTROL (RESTORING DEFAULT SETTING)

1. Press and hold **SETUP** until the two bottom IR segments flash twice. The **Program Keys** appear as **SETUP** flashes repeatedly:



2. Press **VOL** once. The *Volume Lock* programming screen appears:



3. Press **VOL ▲** once. The two bottom IR segments flash four times and the **Program Keys** appear again.
4. To exit programming, press **HOME** once. The display returns to the last-selected device menu screen.
5. Volume is again independently controlled according to its default states for all programmed devices.

USING MACROS

The OFA Kameleon 8-Device Remote with RF includes five **Macro Keys**, **M1** through **M4** and **POWER**. Each one can be set up to perform a repetitive, time-consuming operation with the press of a single key.

NOTE: . A macro programmed onto the **POWER** key can only be accessed in the **HOME THEATER** mode. Pressing it in any other mode only sends a "Power On/Off" IR command to the selected device.

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A macro can be used to control a home theater operation, to set a favorite channel, or for 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 erases the original.

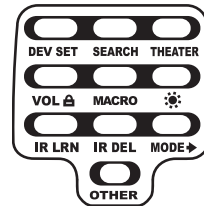
PROGRAMMING A FAVORITE CHANNEL MACRO

With so many channels available on your cable or satellite system, you can program a macro that directly selects a favorite channel with one key press.

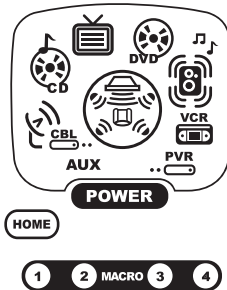
For example, let's assume your favorite cable programs are on channel 71. Use the following instructions to program a macro for direct access of this channel:

NOTE: . The following example assumes all equipment is turned off and that the TV is connected through the Cable Box with TV tuning set to channel 3.

1. Press and hold **SETUP** until the two bottom IR segments flash twice. The **Program Keys** appear as **SETUP** flashes repeatedly.



2. Press **MACRO** once. The *Macro* programming screen appears:



3. Press an open **Macro Key** (e.g., **M1, M2, M3, or M4**). The last-selected device menu screen, including **HOME**, appears.
4. Enter a macro sequence of up to 15 key presses. For this example, press **TV** once, followed by **POWER** once, and then enter **0 3** for the TV's channel number. Next, press **CBL/SAT** once, followed by **POWER** once, and then enter **0 7 1** for the Cable Box's channel number.

NOTE: If there are more than 15 key presses in the sequence, the bottom IR segments display a long flash denoting an error. The display returns to the last-selected device menu screen. To program the macro, start again with step 3.

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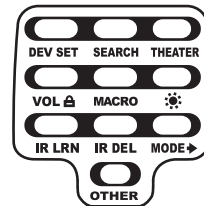
5. To save the macro, press and hold **SETUP** until the two bottom IR segments flash twice. The **Program Keys** appear again.
6. Exit programming by pressing **HOME** once. The display returns to the last-selected device menu screen.
7. Now, if you aim the remote control at the devices selected in step 4 and press the programmed **Macro Key** once, the TV turns on and tunes to channel 3. Then the Cable Box turns on and tunes to channel 071.

PROGRAMMING A MASTER POWER MACRO IN THE HOME THEATER MODE

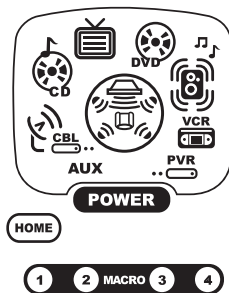
A macro can be programmed onto the **POWER** key to turn on or off as many as seven Home Theater devices.

NOTE: This following example assumes the Home Theater system contains a Satellite Receiver, a DVD Player, an Audio Receiver, and a TV.

1. Press and hold **SETUP** until the two bottom IR segments flash twice. The **Program Keys** appear as **SETUP** flashes repeatedly.



2. Press **MACRO** once. The *Macro* programming screen appears:



3. Press **POWER** once. The last-selected device menu screen, including **HOME**, appears.
4. Enter the macro sequence. For this example, press **CBL/SAT** once, followed by **POWER** once. Next, press **DVD** once, followed by **POWER** once. Then press **AUDIO** once, followed by **POWER** once. Finally, press **TV** once, followed by **POWER** once.
5. To save the power macro, press and hold **SETUP** until the two bottom IR segments flash twice. The **Program Keys** appear again.
6. Exit programming by pressing **HOME** once. The display returns to the last-selected device menu screen.
7. To test the power macro, first make sure all home theater devices selected in step 4 are turned on. Aim the remote control at the devices

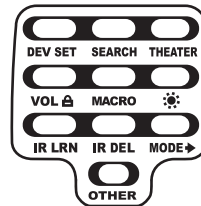
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and press the **Home Theater** key once, followed by **POWER** once. The devices should turn off in this order: Satellite Receiver, DVD Player, Audio Receiver, and TV.

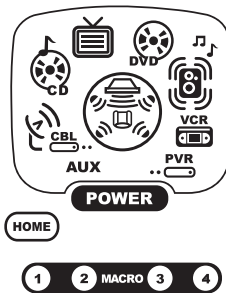
To turn on the devices on again in the same order as above, press **POWER** once.

CLEARING A MACRO

1. Press and hold **SETUP** until the two bottom IR segments flash twice. The **Program Keys** appear as **SETUP** flashes repeatedly.



2. Press **MACRO** once. The *Macro* programming screen appears:



3. Select the **Macro Key** to be cleared and press it once. The last-selected device menu screen appears.
4. Press and hold **SETUP** until the two bottom IR segments flash twice. The **Program Keys** appear again.
5. To exit programming, press **HOME** once. The display returns to the last-selected device menu screen.

USING LEARNING

The OFA Kameleon 8-Device Remote with RF includes a *Learning* feature so you can add functions that are unique to your home entertainment devices (e.g., VCR Tracking Up or Down). However, there are some considerations:

LEARNING PRECAUTIONS

- Your original remote controls must be in working order for learning to work properly.
- Learned keys are mode specific, so each one can store a unique function for each mode.
- Learned keys can be used in macros (see *Using Macros* on page 29).

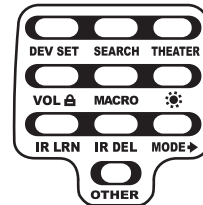
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- Do not use the following keys for learning: **Device Keys, M1~M4, SETUP, FAV, SCROLL, PRESET, PVR VOD, or Record (•) Key.**
- Learning capacity is approximately 50 to 75 keys, depending on the code being learned.
- If both learned and keymoved functions are assigned to the same key, the last programmed function is stored.
- A learned function cannot be used as a source for Keymover (see *Using Keymover* on page 36).
- Certain device codes are not learnable including multi-frequency types, some high frequency ones, and other unusual formats.
- For optimum learning, avoid high levels of ambient light such as natural sunlight or energy-efficient fluorescent lights.

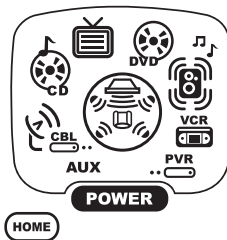
NOTE: . Please have your original remote controls handy before programming learning. Be sure to press each teaching key within 5 seconds of the previous entry. Otherwise, the OFA Kameleon 8-Device Remote with RF exits programming mode.

PROGRAMMING A LEARNING KEY

1. Press and hold **SETUP** until the two bottom IR segments flash twice. The **Program Keys** appear as **SETUP** flashes repeatedly.



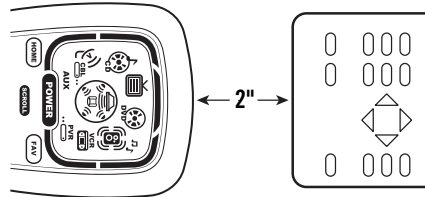
2. Press **IR LRN** once. The *IR Learn* programming screen appears:



3. Press a device key once (i.e., **AUX, CBL/SAT, CD, TV, DVD, AUDIO, VCR, or PVR**) to assign a mode for learning. The selected device menu screen, including **HOME**, appears.

ONE FOR ALL KAMELEON 8-DEVICE REMOTE WITH RF

- Place the OFA Kameleon 8-Device Remote with RF head-to-head (about 2" apart) from your original remote control. Also locate the key (on your original remote control) that will serve as the teaching function.



- On the OFA Kameleon 8-Device Remote with RF, select and press a key where the learned function will be stored. The IR segments display an incoming animation, continue for three revolutions, and then the entire display turns off.

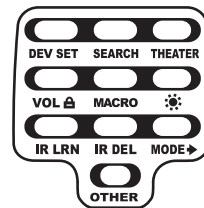
After the display is off, press and hold the teaching key (on your original remote control) until the display (on the OFA Kameleon 8-Device Remote) turns on again. The two bottom IR segments flash twice when the code is successfully captured.

NOTE: If the two bottom IR segments display one long flash, a learning error has occurred. Try repeating this step again until a successful capture occurs. If the function is still not captured, press **HOME** twice to exit programming and review the "Learning Precautions" on the previous page. If needed, also see "Troubleshooting" on page 54. After review, start programming again at step 1.

- To learn other functions, repeat steps 3 through 5 as desired.
- To exit programming, press **HOME** twice. The display returns to the last-selected device menu screen.

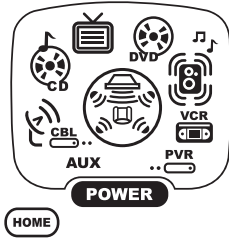
DELETING A SINGLE LEARNING KEY

- Press and hold **SETUP** until the two bottom IR segments flash twice. The **Program Keys** appear as **SETUP** flashes repeatedly.



USER'S GUIDE

- Press **IR DEL** once. The *IR Delete* programming screen appears:

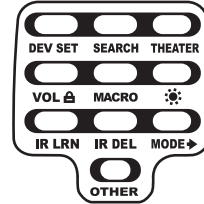


- Press a device key once (i.e., **AUX, CBL/SAT, CD, TV, DVD, AUDIO, VCR, or PVR**) for the mode where the learned key to be deleted resides. The selected device menu screen, including **HOME**, appears.
- Press the learned key to be deleted twice. Upon deletion, the two bottom IR segments flash twice as confirmation. The **Program Keys** appear again.

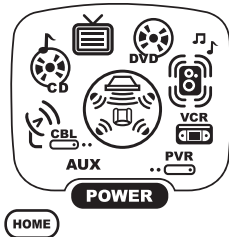
- If desired, repeat steps 2 through 4 to delete another learned key.
- Exit programming by pressing **HOME** once. The display returns to the last-selected device menu screen.

DELETING ALL LEARNED KEYS IN A SPECIFIC MODE.

- Press and hold **SETUP** until the two bottom IR segments flash twice. The **Program Keys** appear as **SETUP** flashes repeatedly



- Press **IR DEL** once. The *IR Delete* programming screen appears:



- Press a device key once (i.e., **AUX, CBL/SAT, CD, TV, DVD, AUDIO, VCR, or PVR**) for the mode where the learned keys to be deleted reside. The selected device menu screen, including **HOME**, appears.

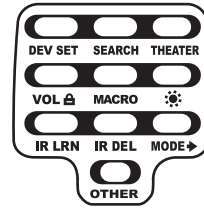
- Press the same device key (as in step 3) once. Upon deletion, the two bottom IR segments flash twice as confirmation. The **Program Keys** appear again.
- If desired, repeat steps 2 through 4 to delete other learned keys from another mode.
- Exit programming by pressing **HOME** once. The display returns to the last-selected device menu screen.

ONE FOR ALL KAMELEON 8-DEVICE REMOTE WITH RF

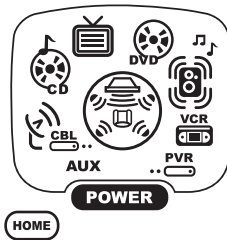
REASSIGNING DEVICE KEYS

The OFA Kameleon 8-Device Remote with RF can be set to control a second device. For example, to control a TV, a cable box, and *two* DVD players, you can reassign the unused **AUX** key to operate the second DVD player as follows:

1. Press and hold **SETUP** until the two bottom IR segments flash twice. The **Program Keys** appear as **SETUP** flashes repeatedly



2. Press **MODE** once. The *Mode Mover* programming screen appears:



3. For the source mode, press a device key once (i.e., **AUX, CBL/SAT, CD, TV, DVD, AUDIO, VCR, or PVR**). For this example, press **DVD** once. The selected device menu screen, including **HOME**, appears.

NOTE: Only one device can be assigned to an unused device key at a time.

4. For the destination mode, press a device key once (i.e., **AUX, CBL/SAT, CD, TV, DVD, AUDIO, VCR, or PVR**). For this example, press **AUX** once. Upon reassignment, the two bottom IR segments flash twice as confirmation. The **Program Keys** appear again.
5. For this example, the **AUX** key is now ready to be set up to control your second DVD player. See *Programming Device Control* on page 15. If desired, repeat steps 2 to 4 to reassign another device.
6. Exit programming by pressing **HOME** once. The display returns to the last-selected device menu screen.

USING KEYMOVER

The OFA Kameleon 8-Device Remote with RF 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).

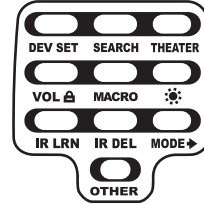
*NOTE: Do not use any of the Device Keys as a source or destination key. Also, do not use **POWER** as a destination key.*

USER'S GUIDE

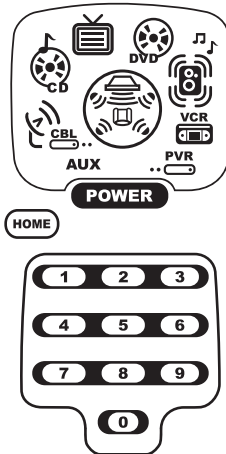
PROGRAMMING KEYMOVER

For example, if your DVD player does not have volume control, you can map those keys (i.e., **VOL▲**, **VOL▼**, and **MUTE**) from the TV mode to DVD mode:

1. Press and hold **SETUP** until the two bottom IR segments flash twice. The **Program Keys** appear as **SETUP** flashes repeatedly



2. Press **OTHER** once. The *Other* programming screen appears:



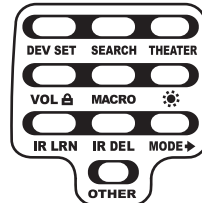
3. Using the **Number Keys**, enter **9 9 4**. The two bottom IR segments flash twice.
4. For the source mode, press a device key once (i.e., **AUX**, **CD**, etc.). For this example, press **TV** once. The source device menu screen, including **HOME**, appears.
5. For the source key, press a key to be moved once. For this example press **VOL▲** once.
6. For the destination mode, press a device key once (i.e., **AUX**, **CBL/SAT**, **CD**, **TV**, **DVD**, **AUDIO**, **VCR**, or **PVR**). For this example, press **DVD** once. The selected destination device menu screen, including **HOME**, appears.
7. For the destination key, press a key to be moved once. For this example press **VOL▲** once. Upon keymoving, the two bottom IR segments flash twice as confirmation. The **Program Keys** appear again.
8. Repeat steps 2 through 7 two more times to map the remaining volume control keys, substituting **VOL▼** and **MUTE** as source and destination keys in steps 5 and 7.
9. Exit programming by pressing **HOME** once. The display returns to the last-selected device menu screen.

You can now use your OFA Kameleon 8-Device Remote with RF to control the TV's volume and mute in the DVD mode, as well as in the TV mode.

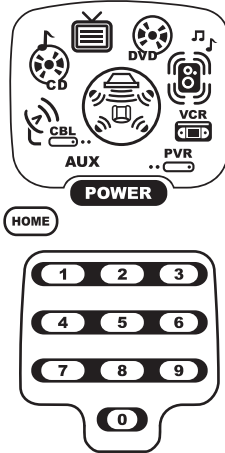
ONE FOR ALL KAMELEON 8-DEVICE REMOTE WITH RF

RESTORING A SINGLE KEYMOVED KEY

1. Press and hold **SETUP** until the two bottom IR segments flash twice. The **Program Keys** appear as **SETUP** flashes repeatedly



2. Press the destination mode once where the keymoved key is stored. Then press **OTHER** once. The *Other* programming screen appears:



3. Using the **Number Keys**, enter **9 9 4**. The two bottom IR segments flash twice.
4. Press the destination mode once where the keymoved key is stored. Then press the destination key twice. Upon key restoration, the two bottom IR segments flash twice as confirmation. The **Program Keys** appear again.
5. If desired, repeat steps 1 and 2 to restore another key.
6. Exit programming by pressing **HOME** once. The display returns to the last-selected device menu screen.

RESTORING ALL KEYMOVED KEYS IN A SINGLE MODE

1. Perform steps 1 through 3 of *Programming Keymover*, above.
2. Press the destination mode twice where the keymoved keys are stored. Upon key restoration, the two bottom IR segments flash twice as confirmation. The **Program Keys** appear again.
3. Exit programming by pressing **HOME** once. The display returns to the last-selected device menu screen.

USER'S GUIDE

USING CHANNEL SCAN

In the **AUX**, **CBL/SAT**, or **TV** mode, use the **FAV** key to start a 3-second scan of all channels. If programmed, use the **FAV** key to scan only your favorite channels to view a channel (see *Programming Favorite Channel Scan* below).

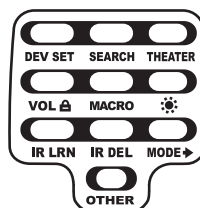
1. Press **AUX**, **CBL/SAT**, or **TV** once. The two bottom IR segments flash once.
2. Press **FAV** once. The IR segments display outgoing animation as each channel is changed.
 - If *Favorite Channel Scan* has been set up, scanning of favorite channels starts and cycles through stored channels for 3 minutes or until stopped by pressing any key.
 - If *Favorite Channel Scan* has not been set up, scanning starts with the current channel, then proceeds to the next channel up and cycles through all channels for 3 minutes or until stopped by pressing any key.
3. To stop scanning channels at any time, press any key once.

PROGRAMMING FAVORITE CHANNEL SCAN

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

NOTE: . *Favorite channels can only be programmed for one mode. After programming, if **FAV** is pressed while in another mode, the remote control starts a normal channel scan instead (if applicable to the selected device).*

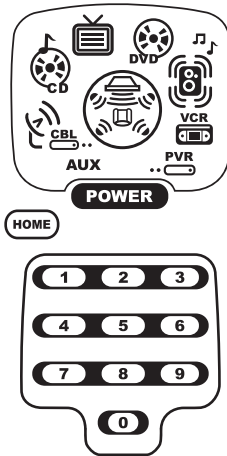
1. Press and hold **SETUP** until the two bottom IR segments flash twice. The **Program Keys** appear as **SETUP** flashes repeatedly



2. Select a *Favorite Channel Mode* by pressing **AUX**, **CBL/SAT**, or **TV** once. The two bottom IR segments flash once as the selected device key animates.

ONE FOR ALL KAMELEON 8-DEVICE REMOTE WITH RF

- Press **OTHER** once. The *Other* programming screen appears:



- Using the **Number Keys**, enter **9 9 6**. The two bottom IR segments flash twice and display the *Favorite Channel* programming screen.
NOTE: If the two bottom IR segments display one long flash, an error has occurred. Try repeating this step.
- Using the **Number Keys**, enter a favorite channel number (e.g., **0 1 2**). Then press **SETUP** once. The two bottom IR segments flash three times confirming your entry.

*NOTE: If the original remote control required pressing an **Enter** key to change the channel, also press the **ENTER** key after the channel number (e.g., **0 1 2 ENTER**).*

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

*NOTE: After storing 10 channels, the remote control exits the *Favorite Channel* programming screen and again displays the **Program Keys**.*

- To exit programming with fewer than 10 favorite channels stored, press and hold **SETUP** until the two bottom IR segments flash twice and then press **HOME** once. The display returns to the last-selected device menu screen.

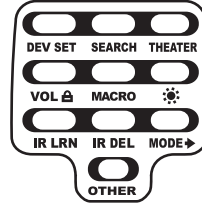
RESTORING FACTORY DEFAULT SETTINGS

The OFA Kameleon 8-Device Remote with RF includes an *Setup Code Reset* program. You can use it to restore all your programmed codes to factory settings and delete all custom programming.

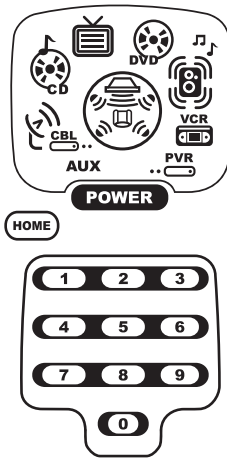
IMPORTANT: Executing this program erases all code settings and all custom settings for Home Theater, Macros, Learned Keys, Reassigned Device Keys, Keymoved Keys, Favorite Channels, and all device settings.

USER'S GUIDE

1. Press and hold **SETUP** until the two bottom IR segments flash twice. The **Program Keys** appear as **SETUP** flashes repeatedly



2. Press **OTHER** once. The *Other* programming screen appears:



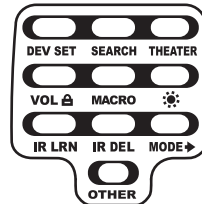
3. Using the **Number Keys**, enter **9 7 7**. The two bottom IR segments flash twice pause and flash twice again to confirm the unit has been restored to factory default settings.
4. Exit programming by pressing **HOME** once. The display returns to the last-selected device menu screen.

CLEARING ALL CUSTOM PROGRAMMING

The OFA Kameleon 8-Device Remote with RF contains a *Custom Programming Reset* program. You can use it to remove all custom programming, except your setup codes and reassigned device keys.

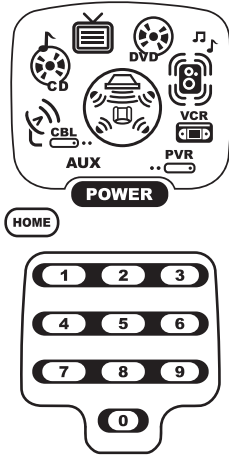
IMPORTANT: *Executing this program erases all custom settings for Home Theater, Macros, Learned Keys, Keymoved Keys, and Favorite Channels.*

1. Press and hold **SETUP** until the two bottom IR segments flash twice. The **Program Keys** appear as **SETUP** flashes repeatedly



ONE FOR ALL KAMELEON 8-DEVICE REMOTE WITH RF

2. Press **OTHER** once. The *Other* programming screen appears:



3. Using the **Number Keys**, enter **9 8 0**. The two bottom IR segments flash twice pause and flash twice again to confirm the unit has been restored to factory default settings.
4. Exit programming by pressing **HOME** once. The display returns to the last-selected device menu screen.

MANUFACTURER'S CODES

SETUP CODES FOR AUDIO AMPLIFIERS

GE	0078
JVC	0331
Optimus	0395
Realistic	0395
Soundesign	0078
Victor	0331
Wards	0078
Yamaha	0354

SETUP CODES FOR AUDIO RECEIVERS

ADC	0531
Aiwa	0158, 0189, 1388, 0121, 1089
Alco	1390
Anam	1609
Apex Digital	1257
Audiotronic	1189

Audiovox	1390
Bose	1229
Capetronic	0531
Carver	1189, 0189, 1089
Coby	1263, 1389
Curtis	1263
Denon	1360
Fisher	1409
Glory Horse	1263
Harman/Kardon	0110, 0189
Integra	1298, 0135
JBL	0110, 1306
JVC	0074, 1263, 1374
Kenwood	1313, 1570, 1569, 1027, 0186
KLH	1390
Koss	1366
Linn	0189
Magnavox	1189, 1269, 0189, 1089, 0531

USER'S GUIDE

Marantz	1189, 1269, 0039, 0189, 1089
MCS	0039
Musicmagic	1089
Norcent	1389
Onkyo	1298, 0842, 0135
Optimus	1023, 0670, 0531, 0186, 0797
Oritron	1380, 1366
Panasonic	1518, 0039
Philips	1189, 1269, 0189, 1089
Pioneer	1023, 0531, 1384, 0150, 0014, 0630
Polk Audio	0189
Proscan	1254
Quasar	0039
RadioShack	1263
RCA	1023, 1609, 1254, 0531, 1390
Samsung	1295
Sansui	0189, 1089
Sharp	0186
Sharper Image	1416, 1549, 1385, 1411, 1546, 1723, 1263, 1410, 1545, 1556, 0797, 1409
Sony	1058, 1258, 0158, 1758, 1158, 1658, 1558
Soundesign	0670
Stereophonics	1023
Sunfire	1313
Teac	1390
Technics	1308, 1518, 0039
Thorens	1189
Venturer	1390
Victor	0074
Wards	0158, 0189, 0014
Yamaha	0176, 1176, 0186, 1375

SETUP CODES FOR CABLE BOXES

ABC	0003, 0008, 0014
Americast	0899
Bell & Howell	0014
Bell South	0899
Director	0476
General Instrument	0476, 0276, 0003
GoldStar	0144
Hamlin	0009, 0273
Jerrold	0476, 0276, 0003, 0014
Memorex	0000
Motorola	0476, 0276
Pace	0237
Panasonic	0000, 0107
Paragon	0000
Philips	0305, 0317
Pioneer	0877, 1877, 0144, 0533
Pulsar	0000
Quasar	0000
Regal	0279, 0273
Runco	0000
Samsung	0144
Scientific Atlanta	0877, 1877, 0477, 0008
Sony	1006
Starcom	0003
Supercable	0276
Torx	0003
Toshiba	0000
Zenith	0000, 0525, 0899

SETUP CODES FOR CD PLAYERS

Aiwa	0157
Burmester	0420
California Audio Labs	0029
Carver	0157
Denon	0873
DKK	0000
DMX Electronics	0157
Garrard	0420

ONE FOR ALL KAMELEON 8-DEVICE REMOTE WITH RF

Genexxa	0032
Harman/Kardon	0157
Hitachi	0032
JVC	0072
Kenwood	0681, 0626, 0028
KLH	1318
Krell	0157
Linn	0157
Magnavox	0157
Marantz	0626, 0029, 0157
MCS	0029
Miro	0000
Mission	0157
MTC	0420
NSM	0157
Onkyo	0868
Optimus	1063, 0000, 0032, 0420
Panasonic	0029
Parasound	0420
Philips	0626, 0157
Pioneer	1063, 1062, 0032
Polk Audio	0157
Proton	0157
QED	0157
Quad	0157
Quasar	0029
RCA	1062, 0032, 0420
Realistic	0420
Rotel	0157, 0420
SAE	0157
Sansui	0157
Sharp	0861
Sonic Frontiers	0157
Sony	0490, 0000, 0100
TAG McLaren	0157
Tascam	0420
TDK	1208
Teac	0420
Technics	0029
Victor	0072
Wards	0157

Yamaha	0888, 0036, 1292
Zonda	0157

SETUP CODES FOR DVD PLAYERS

Aiwa	0641
Allegro	0869
AMW	0872
Apex Digital	0672, 0717, 0755, 0796, 1100, 0795, 0830, 0794, 0797
Blaupunkt	0717
Blue Parade	0571
Broksonic	0868, 0695
CineVision	0876, 0869
Daewoo	0784
Denon	0490, 0634
DVD2000	0521
Emerson	0591, 0821, 0675
Enterprise	0591
Fisher	0670
Funai	0675
GE	0522, 0815, 0717
Go Video	0744, 0715, 0783
Greenhill	0717
Harman/Kardon	0702, 0582
Hitachi	0573, 0664
Hiteker	0672
Initial	0717
Integra	0627
JBL	0702
JVC	0558, 0623, 0867
Kenwood	0490, 0534, 0682
KLH	0717
Koss	0651
Lasonic	0798
Magnavox	0503, 0675
Marantz	0539
Memorex	0695
Microsoft	0522
Mintek	0717
Mitsubishi	1521, 0521
Nesa	0717

USER'S GUIDE

Norcent	0872
Onkyo	0503, 0627
Oritron	0651
Panasonic	0490, 0632, 1490, 1462, 1362, 1762
Philips	0503, 0539, 0646, 0854
Pioneer	0525, 0571, 0632
Polk Audio	0539
Proscan	0522
Qwestar	0651
RCA	0522, 0571, 0717, 0822
Rio	0869
Rotel	0623
Sampo	0698
Samsung	0490, 0573, 0820
Sansui	0695
Sanyo	0873, 0695, 0670
Sharp	0630, 0752
Sharper Image	1117, 1112, 1995
Sherwood	0633
Shinsonic	0533
Sonic Blue	0869
Sony	0533, 0864
Sylvania	0821, 0675
Symphonic	0675
Technics	0490
Theta Digital	0571
Toshiba	0503, 0695, 1045
Tredex	0799
Urban Concepts	0503
Xbox	0522
Yamaha	0490, 0539, 0545, 0817
Zenith	0503, 0591, 0869

SETUP CODES FOR DVD PLAYER/ PVR COMBOS

Panasonic	0490
RCA	0522

SETUP CODES FOR DVD PLAYER/ VCR COMBOS (DVD CODES)

Allegro	0869
CineVision	0869
Go Video	0744, 0715
Hitachi	0664
JVC	0867
Memorex	0695
Panasonic	1762
RCA	0822
Samsung	0820
Sansui	0695
Sanyo	0873
Sharp	0630
Sony	0864
Sylvania	0675
Symphonic	0675
Toshiba	0503
Zenith	0869

SETUP CODES FOR DVD PLAYER/ VCR COMBOS (VCR CODES)

Hitachi	0000
RCA	0060
Sanyo	0104
Sharp	0848
Sylvania	0000
Symphonic	0000

SETUP CODES FOR HOME AUTOMATION

GE	0240
Lasko	0846
One For All	0167
RadioShack	0240
Security System	0167
Sharper Image	0846
Universal X10	0167
X10	0167

ONE FOR ALL KAMELEON 8-DEVICE REMOTE WITH RF

SETUP CODES FOR HOME-THEATER-IN-A-BOX SYSTEMS (RECEIVER CODES)

Aiwa	1388
Anam	1609
Apex Digital	1257
Audiovox	1390
Coby	1389
Integra	1298
JBL	1306
JVC	1374
KLH	1390
Koss	1366
Norcent	1389
Onkyo	0135, 1298, 0842
Oritron	1366
Philips	1269
Pioneer	1384
Polk Audio	0539
RCA	1609, 1390
Rio	0869
Samsung	1295
Sharper Image	1556
Sony	1558, 1758, 1658
Teac	1390
Venturer	1390
Yamaha	1375

SETUP CODES FOR HOME-THEATER-IN-A-BOX SYSTEMS (DVD CODES)

Aiwa	0641
Koss	0651
Onkyo	0627
Oritron	0651
Polk Audio	0539
Rio	0869
Sharper Image	1995
Sonic Blue	0869
Yamaha	0817

SETUP CODES FOR MINI-DISC PLAYERS

Denon	0873
Kenwood	0681
Onkyo	0868
Optimus	1063
Pioneer	1063
Sharp	0861
Sony	0490
Yamaha	0888

SETUP CODES FOR PVRs

Panasonic	0616
Philips	0618
ReplayTV	0614, 0616
Sonic Blue	0616, 0614
Sony	0636
Tivo	0739, 0636, 0618

SETUP CODES FOR SATELLITE RECEIVERS

AlphaStar	0772
Chaparral	0216
Crossdigital	1109
DirecTV	0392, 0566, 0639, 1639, 1142, 0247, 0749, 1749, 0724, 0819, 1856, 1076, 1109, 1442, 1392
Dish Network System	1005, 0775
Dishpro	1005, 0775
Echostar	1005, 0775
Expressvu	0775
GE	0566
General Instrument	0869
GOI	0775
Hitachi	0819
HTS	0775
Hughes Network Systems	1142, 0749, 1749, 1442
JVC	0775
Magnavox	0724, 0722

USER'S GUIDE

Memorex	0724	Alaron	0179
Mitsubishi	0749	Albatron	0843
Motorola	0869	America Action	0180
Next Level	0869	Ampro	0751
Panasonic	0247, 0701	Anam	0180
Paysat	0724	AOC	0030
Philips	1142, 0749, 1749, 0724, 1076, 0722, 1442	Apex Digital	0748, 0765, 0767
Proscan	0392, 0566	Audiovox	0451, 0180, 0092, 0623
RadioShack	0869	Bell & Howell	0154, 0016
RCA	0392, 0566, 0855, 0143, 1392	Bradford	0180
Samsung	1276, 1109	Broksonic	0236, 0463
SKY	0856	Candle	0030, 0056
Sony	0639, 1639	Carnivale	0030
Star Choice	0869	Carver	0054
Tivo	1142, 1442	Celebrity	0000
Toshiba	0749, 1749, 0790	Celera	0765
UltimateTV	1392	Changhong	0765
Uniden	0724, 0722	Citizen	0060, 0030, 0092, 0056
Voom	0869	Clarion	0180
Zenith	0856, 1856	Concerto	0056
		Contec	0180
		Craig	0180
		Crosley	0054
		Crown	0180
		Curtis Mathes	0047, 0054, 0154, 0451, 0093, 0060, 0702, 0030, 0145, 0166, 1147, 0016, 0466, 1347, 0056
		CXC	0180
		Daewoo	0451, 0092, 0672, 0623
		Denon	0145
		Dumont	0017
		Durabrand	0180, 0178, 0171, 0463
		Dwin	0774, 0720
		Electroband	0000
		Elektra	0017

SETUP CODES FOR SATELLITE RECEIVERS/PVR COMBOS

Echostar	1005, 0775
Expressvu	0775
Hughes Network Systems	1142, 1442
Philips	1142, 1442
Proscan	0392
RCA	1392
Sony	0639

SETUP CODES FOR TVs

Admiral	0093, 0463
Advent	0761, 0842
Aiko	0092
Aiwa	0701
Akai	0812, 0702, 0030, 0672

ONE FOR ALL KAMELEON 8-DEVICE REMOTE WITH RF

Emerson	0154, 0236, 0463, 0180, 0178, 0171, 0623, 0179	Magnavox	0054, 0030, 1454, 0706, 1254, 0179
Envision	0030	Majestic	0016
Epson	0840, 0833	Marantz	0054, 0030, 0704
Fisher	0154	Matsushita	0250, 0650
Fujitsu	0809, 0683, 0179, 0853	Megatron	0178, 0145
Funai	0180, 0171, 0179	Memorex	0154, 0463, 0150, 0178, 0016, 0179
Futuretech	0180	MGA	0150, 0030, 0178
GE	0047, 0051, 0451, 0178, 0021, 1347, 1147	Midland	0047, 0017, 0051
Gibraltar	0017, 0030	Minutz	0021
GoldStar	0030, 0178	Mitsubishi	0093, 0150, 0178, 0836
Grunpy	0180, 0179	Monivision	0843
Hallmark	0178	Motorola	0093
Harley Davidson	0179	MTC	0060, 0030, 0056
Harman/Kardon	0054	Multitech	0180
Harvard	0180	NAD	0156, 0178, 0866
Havermy	0093	NEC	0030, 0497, 0056
Hello Kitty	0451	Nikko	0030, 0178, 0092
Himitsu	0180	Norcent	0748, 0824
Hisense	0748	NTC	0092
Hitachi	1145, 0145, 0056, 0016	Onwa	0180
Hyundai	0849	Optimus	0154, 0250, 0166, 0650
Infinity	0054	Optonica	0093
Inteq	0017	Orion	0236, 0463, 0179
JBL	0054	Panasonic	0250, 0051, 0650
JCB	0000	Penney	0047, 0156, 0051, 0060, 0030, 0178, 1347, 0021
Jensen	0761	Philco	0054, 0030
JVC	0053	Philips	0054, 1454, 0690
KEC	0180	Pilot	0030
Kenwood	0030	Pioneer	0166, 0866, 0679
KLH	0765, 0767	Portland	0092
Konka	0707	Prima	0761
KTV	0180, 0030	Prism	0051
LG	0856	Proscan	0047, 1347, 1447
Logik	0016	Proton	0178, 0466
Luxman	0056	Pulsar	0017
LXI	0047, 0054, 0154, 0156, 0178	Quasar	0250, 0051, 0650

USER'S GUIDE

RadioShack	0047, 0154, 0180, 0030, 0178, 0056
RCA	0047, 1447, 1047, 1347, 0679, 1247, 0090, 1147
Realistic	0154, 0180, 0030, 0178, 0056
Runco	0017, 0030, 0603, 0497
Sampo	0030
Samsung	0060, 0812, 0702, 0030, 0178, 0056, 0814, 0766, 1060
Sansui	0463
Sanyo	0154, 0799
Scotch	0178
Scott	0236, 0180, 0178, 0179
Sears	0047, 0054, 0154, 0156, 0178, 0171, 0056, 0179
Sharp	0093, 0688, 0851, 0491, 0818, 0689
Sharper Image	1950
Sheng Chia	0093
Signature	0016
Sony	1100, 0000, 0834, 0810
Soundesign	0180, 0178, 0179
Squareview	0171
SSS	0180
Starlite	0180
Supreme	0000
SVA	0748
Sylvania	0054, 0030, 0171
Symphonic	0180, 0171
Tandy	0093
Technics	0250, 0051
Technol Ace	0179
Techwood	0051, 0056
Teknika	0054, 0180, 0150, 0060, 0056, 0092, 0016, 0179
Telefunken	0702, 0056

TMK	0178, 0056
TNCi	0017
Toshiba	0154, 0156, 0060, 1256, 0845, 0832, 1356, 0650
TVS	0463
Vector Research	0030
Victor	0053
Vidikron	0054
Vidtech	0178
Wards	0054, 0030, 0178, 0021, 0056, 0866, 0016, 0179
Waycon	0156
White Westinghouse	0463, 0623
Yamaha	0030, 0833, 0769
Zenith	0017, 0463, 0178, 0016, 0092

SETUP CODES FOR TV/DVD PLAYER COMBOS (TV CODES)

Sylvania	0675
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SETUP CODES FOR TV/DVD PLAYER COMBOS (DVD CODES)

Apex Digital	0830
Broksonic	0695
Panasonic	1490
Philips	0854
Sylvania	0171
Toshiba	0695

SETUP CODES FOR TV/VCR COMBOS (TV CODES)

America Action	0180
Audiovox	0180
Emerson	0236

ONE FOR ALL KAMELEON 8-DEVICE REMOTE WITH RF

SETUP CODES FOR TV/VCR COMBOS (VCR CODES)

America Action	0278
Audiovox	0278
Broksonic	0002, 1479, 0479
Citizen	1278
Curtis Mathes	1035
Daewoo	1278
Emerson	0002, 1479, 1278, 0479
Funai	0000
GE	0240, 1035, 1060
GoldStar	1237
Harley Davidson	0000
Hitachi	0000
Lloyd's	0000
Magnasonic	1278
Magnavox	0000, 1781
Magnin	0240
Memorex	0162, 1237, 1162
MGA	0240
Optimus	1162
Orion	0002, 0479, 1479
Panasonic	0162, 1162, 1035
Penney	0240, 1237, 1035
Philco	0479
Quasar	0162, 1035, 1162
RadioShack	0000
RCA	0240, 1060, 1035
Sansui	0000, 1479, 0479
Sanyo	0240
Sears	0000, 1237
Sony	0000, 1232
Sylvania	1781
Symphonic	0000
Thomas	0000
Toshiba	0845
Zenith	0000, 0479, 1479

SETUP CODES FOR TV/VCR/DVD PLAYER COMBOS

Broksonic	0868
Emerson	0821
Panasonic	1362, 1462
Sharp	0630
Sylvania	0821
Toshiba	1045

SETUP CODES FOR VCRS

Admiral	0048, 0209
Adventura	0000
Aiko	0278
Aiwa	0037, 0000
America Action	0278
American High	0035
Asha	0240
Audiovox	0037, 0278
Beaumark	0240
Bell & Howell	0104
Broksonic	0184, 0121, 0209, 0002, 0479, 1479
Calix	0037
Canon	0035
Carver	0081
CCE	0278
Citizen	0037, 0278, 1278
Craig	0037, 0047, 0240
Curtis Mathes	0060, 0035, 0162, 1035
Cybernex	0240
Daewoo	0045, 0278, 1278
Denon	0042
Durabrand	0039
Dynatech	0000
Electrohome	0037
Electroponic	0037
Emerex	0032
Emerson	0037, 0184, 0000, 0121, 0043, 0209, 0002, 0278, 1479, 1278, 0479

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Fisher	0047, 0104	Noblex	0240
Fuji	0035, 0033	Olympus	0035
Funai	0000	Optimus	0162, 0037, 0048, 0104, 0432, 1162
Garrard	0000	Orion	0184, 0209, 0002, 1479, 0479
GE	0060, 0035, 0240, 1035, 1060	Panasonic	0035, 0162, 1035, 0225, 1162
Go Video	0432	Penney	0035, 0037, 0240, 0042, 1035, 1237
GoldStar	0037, 1237	Pentax	0042
Gradiente	0000	Philco	0035, 0479
Harley Davidson	0000	Philips	0035, 0081, 1081, 1181
Harman/Kardon	0081	Pilot	0037
HI-Q	0047	Pioneer	0067
Hitachi	0000, 0042	Polk Audio	0081
Hughes Network Systems	0042	Profitronic	0240
JVC	0067	Proscan	0060, 1060
KEC	0037, 0278	Pulsar	0039
Kenwood	0067	Quasar	0035, 0162, 1162, 1035
Kodak	0035, 0037	RadioShack	0000
Lloyd's	0000	Radix	0037
LXI	0037	Randex	0037
Magnasonic	1278	RCA	0060, 0240, 0042, 0880, 1060, 1035
Magnavox	0035, 0039, 0081, 0000, 1781	Realistic	0035, 0037, 0048, 0047, 0000, 0104
Magnin	0240	Runco	0039
Marantz	0035, 0081	Samsung	0240, 0045
Marta	0037	Sanky	0048, 0039
Matsushita	0035, 0162, 1162	Sansui	0000, 0067, 0209, 1479, 0479
MEI	0035	Sanyo	0047, 0240, 0104
Memorex	0035, 0162, 0037, 0048, 0039, 0047, 0240, 0000, 0104, 0209, 1162, 0479, 1237	Scott	0184, 0045, 0121, 0043
MGA	0240, 0043	Sears	0035, 0037, 0047, 0000, 0042, 0104, 1237
MGN Technology	0240	Sharp	0048, 0848
Minolta	0042	Shogun	0240
Mitsubishi	0067, 0043	Sony	0035, 0032, 0033, 0000, 1232
Motorola	0035, 0048		
MTC	0240, 0000		
Multitech	0000		
NEC	0104, 0067		
Nikko	0037		

ONE FOR ALL KAMELEON 8-DEVICE REMOTE WITH RF

STS	0042
Sylvania	0035, 0081, 0000, 0043, 1781
Symphonic	0000
Teac	0000
Technics	0035, 0162
Teknika	0035, 0037, 0000
Thomas	0000
TMK	0240
Toshiba	0045, 0043, 0845
Totevision	0037, 0240
Unitech	0240
Vector	0045
Video Concepts	0045
Videomagic	0037
Videosonic	0240
Villain	0000
Wards	0060, 0035, 0048, 0047, 0081, 0240, 0000, 0042
White Westinghouse	0209

XR-1000	0035, 0000
Zenith	0039, 0033, 0000, 0209, 1479, 0479

SETUP CODES FOR VIDEO

ACCESSORIES

Panasonic	1120
Pioneer	1010
Princeton	0113, 0295
Sensory Science	1126
Sharp	1010

SETUP CODES FOR CABLE/DVR

COMBOS

Motorola	0476
Pioneer	1877
Scientific Atlanta	1877

ABOUT UPGRADING

Your OFA Kameleon 8-Device Remote with RF has the largest infrared code library available and contains a unique feature that allows new codes to be added to its memory over the phone. In a matter of seconds, your OFA Kameleon 8-Device Remote with RF can quickly and reliably record the new information without complex plugs, adapters, or attachments.

This means that as you buy new products in the future, the OFA Kameleon 8-Device Remote with RF will never become obsolete. Simply call our consumer help-line, and one of our customer service representatives will assist you through the entire process of upgrading your OFA Kameleon 8-Device Remote with RF.

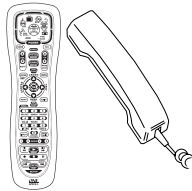
Consumer Help-Line: (330) 405-8620

NOTE: *Universal Electronics reserves the right to replace a returned remote-control with a new one of equal or superior functionality.*

USER'S GUIDE

UPGRADE PROCEDURE

1. Call our Consumer Help-Line at: (330) 405-8620 on any business day, between 9 AM and 5:30 PM, EST.
2. Our customer service agent will ask for and record the brand name(s) and model number(s) of your device(s). Then the agent will lead you through the upgrade procedure by asking you to place your telephone's speaker next to the **CH** keys on the OFA Kameleon 8-Device Remote (as shown below).



NOTE: Only use a land-line phone for the upgrade procedure. Do not use a mobile phone because it will not transmit the signals correctly.

In a matter of seconds, new setup codes for your device(s) will be transmitted through the telephone and stored in your OFA Kameleon 8-Device Remote with RF.

3. After your OFA Kameleon 8-Device Remote with RF has been successfully upgraded by telephone, stay on the line. Our customer service agent will ensure that your unit is working properly with your device(s) and answer any other questions you may have.

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.

ONE FOR ALL KAMELEON 8-DEVICE REMOTE WITH RF

TROUBLESHOOTING

PROBLEM: No display at all times.

SOLUTION: Replace batteries with four new AA alkaline batteries.

PROBLEM: The bottom two IR indicator segments are flashing.

SOLUTION: Replace batteries with four new AA alkaline batteries.

PROBLEM: No display when programming.

SOLUTION: Display has turned off due to inactivity. Start programming again and do not pause while performing instructions.

PROBLEM: During programming, the two bottom IR segments display a long flash.

SOLUTION: An invalid entry has occurred. Check the keys to be pressed and start program again.

PROBLEM: How do I stop programming?

SOLUTION: Press **HOME** once to return to the *Program Keys* screen.
Press **HOME** once more to exit completely.

PROBLEM: The unit does not control home entertainment devices or commands are not working properly.

SOLUTION: Try all listed codes for the device brands being set up. Make sure they can be operated with an infrared remote control.

PROBLEM: Tried *Searching For Your Code* method and still could not find a working code.

SOLUTION: Perform *Restoring Factory Default Settings* on page 40. Then repeat *Searching For Your Code* on page 19.

PROBLEM: Cannot program a macro onto **M1 – M4** or **POWER** keys.

SOLUTION: Make sure the total number of key presses being programmed is less than 15.

PROBLEM: Power macro does not execute.

SOLUTION: First, press the **Home Theater** key once, then press **POWER** once.

USER'S GUIDE

PROBLEM: Favorite channel function does not work properly.

SOLUTION: Some devices (e.g., Cable Boxes or Satellite Receivers) use two-digit channel numbers. During programming, press **ENTER** or **OK** once after entering a channel number (e.g., **0 2 ENTER** for channel 2). See *Programming Favorite Channel Scan* on page 39.

PROBLEM: Changing channels does not work properly.

SOLUTION: If the original remote control required pressing **ENTER** to change channels, then press **ENTER** on the remote control after entering channel numbers.

PROBLEM: No remote control of volume.

SOLUTION: See *Changing Volume Lock* on page 27 to lock/unlock volume.

PROBLEM: Two bottom IR segments flash when a key is pressed, but home entertainment device does not respond.

SOLUTION: Make sure the remote control is aimed at your home entertainment device and is not farther than 15 feet away.

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: Pressing **SCROLL** one or times in **CD, DVD, PVR** or **Home Theater** mode, does not display a secondary menu screen.

SOLUTION: Even though **SCROLL** is displayed, for these modes, there are no additional menu screens.

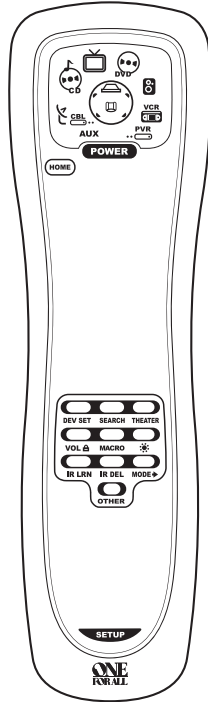
PROBLEM: Cannot program my combo device code.

SOLUTION: Make sure have selected the correct device key for your combo code.

ONE FOR ALL KAMELEON 8-DEVICE REMOTE WITH RF

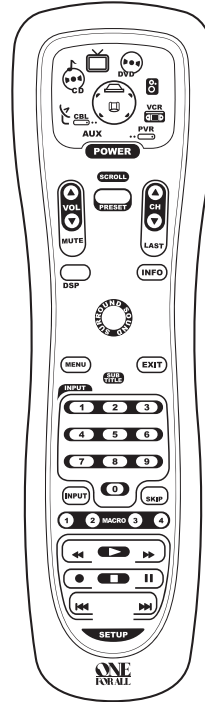
DEVICE MENU SCREENS

PROGRAMMING MAIN MENU



Pressing and holding **SETUP** displays the *Programming Main Menu* screen. Use the **Program Keys** to program device control (**DEV SET**), code search (**SEARCH**), home theater mode (**THEATER**), volume lock (**VOL**), macros (**MACRO**), display brightness (☼), function learning (**IR LRN** and **IR DEL**), device key reassignment (**MODE**), or other functions (**OTHER**). See the *Table of Contents* on page 2 to locate a section of interest.

AUDIO MAIN MENU

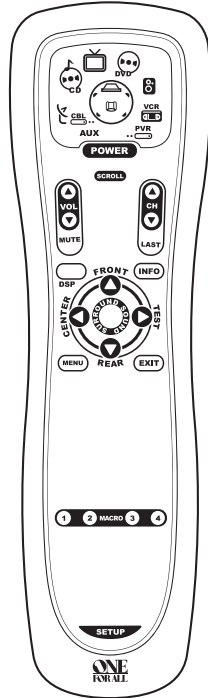


Pressing **AUDIO** once displays the *AUDIO Main Menu* screen. After device programming, use these keys to remotely control your Audio Receiver's or Amplifier's volume and stations, select source inputs, operate transport functions on a built-in CD player (or DVD player, if HTIB device), and access menu, surround, or preset functions.

Pressing **SCROLL** one or more times displays secondary *AUDIO* menus (see next two pages).

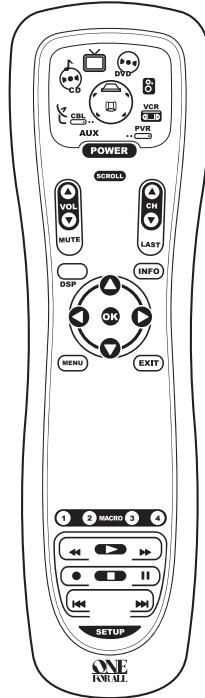
USER'S GUIDE

AUDIO SURROUND MENU



Pressing **SCROLL** once (on the *AUDIO Main Menu*, as shown on the previous page, right side) displays the *AUDIO Surround Menu* screen. Use these keys to remotely control your Audio Receiver's or Amplifier's volume, stations, and surround functions.

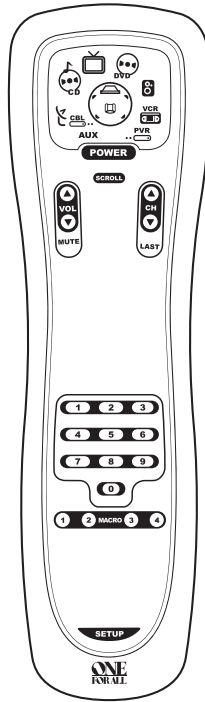
AUDIO MENU



Pressing **SCROLL** once (on the *AUDIO Surround Menu*, as shown on the left) displays the *AUDIO Menu* screen. Use these keys to remotely control your Audio Receiver's or Amplifier's volume, stations, and surround functions.

ONE FOR ALL KAMELEON 8-DEVICE REMOTE WITH RF

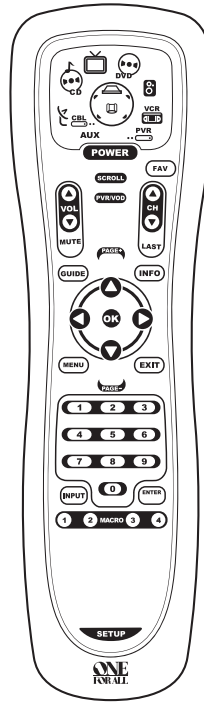
AUDIO PRESETS MENU



Pressing **SCROLL** once (on the *AUDIO Menu*, as shown on the previous page, right side), displays the *AUDIO Presets Menu* screen. Use these keys to remotely access your Audio Receiver's or Amplifier's preset stations.

Pressing **SCROLL** once more returns the display to the *AUDIO Main Menu* screen (as shown on page 56, right side).

AUX MAIN MENU

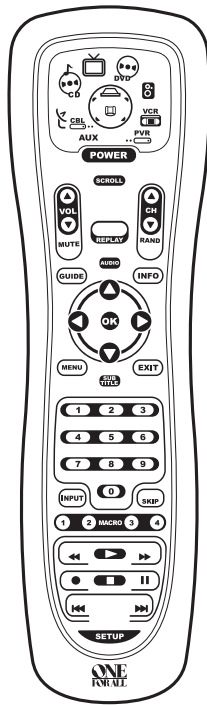


Pressing **AUX** once displays the *AUX Main Menu* screen. After device programming, use these keys to remotely control all your device's common features, such as volume and channels, and menu, guide, and navigation functions.

Pressing **SCROLL** once displays a secondary *AUX* menu (on shown on the next page, left side).

USER'S GUIDE

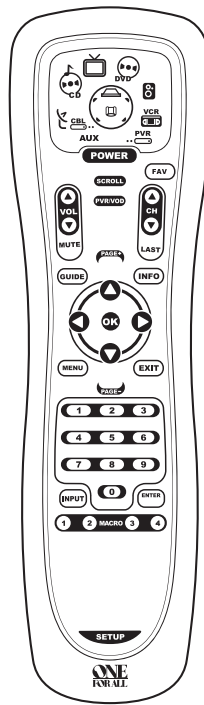
AUX PVR/VOD MENU



Pressing **SCROLL** once (on the *AUX Main Menu*, as shown on previous page, right side) displays the *AUX PVR/VOD Menu* screen. Use these keys to remotely control all your device's VOD and PVR functions, such as transport keys, replay, and live TV.

Pressing **SCROLL** once more returns the display to the *AUX Main Menu* screen (as shown on the previous page, right side).

CBL/SAT MAIN MENU

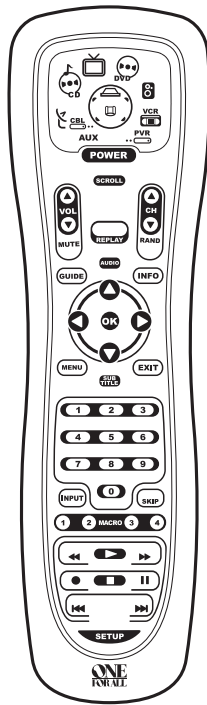


Pressing **CBL/SAT** once displays the *CBL/SAT Main Menu* screen. After Cable Box or Satellite Receiver programming, use these keys to remotely control all common features, such as volume and channels, and menu, guide, and navigation functions.

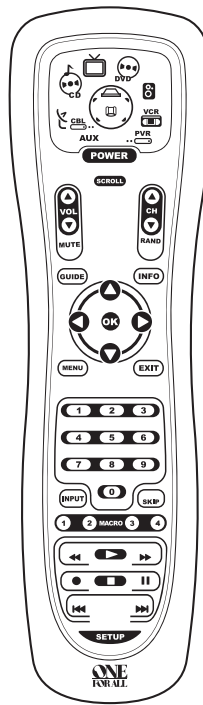
Pressing **SCROLL** once displays a secondary *CBL/SAT* menu (on shown on the next page, left side).

ONE FOR ALL KAMELEON 8-DEVICE REMOTE WITH RF

CBL/SAT PVR/VOD MENU



CD MAIN MENU



Pressing **SCROLL** once (on the *CBL/SAT Main Menu*, as shown on previous page, right side) displays the *CBL/SAT PVR/VOD Menu* screen. Use these keys to remotely control all your device's VOD and PVR functions, such as transport keys, replay, and live TV.

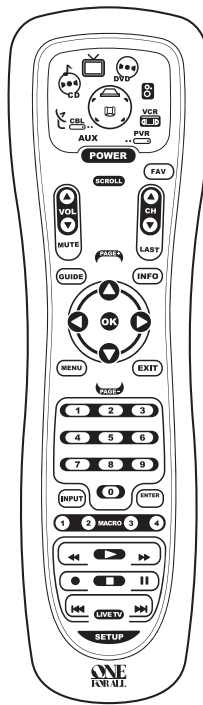
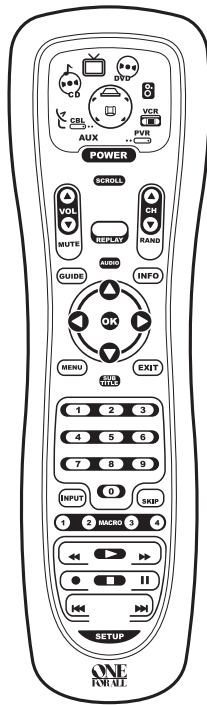
Pressing **SCROLL** once more returns the display to the *CBL/SAT Main Menu* screen (as shown on the previous page, right side).

Pressing **CD** once displays the *CD Main Menu* screen. After device programming, use these keys to remotely control all your CD player's common features, such as transport keys and skip, menu, and random functions.

USER'S GUIDE

DVD MAIN MENU

HOME THEATER MAIN MENU

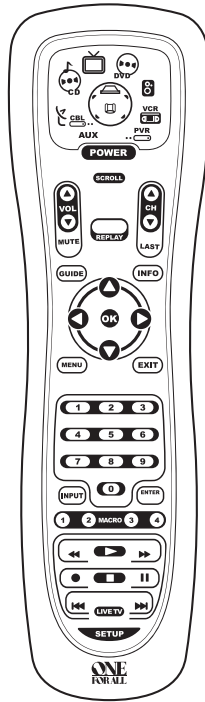


Pressing **DVD** once displays the *DVD Main Menu* screen. After device programming, use these keys to remotely control all your DVD player's common features, such as transport keys and menu, navigation, subtitle, and audio functions.

After mode programming, pressing **Home Theater** once displays the *Home Theater Main Menu* screen. Use these keys to remotely access all common features and functions of your home theater system. For details, see *Using The Home Theater Mode* on page 21.

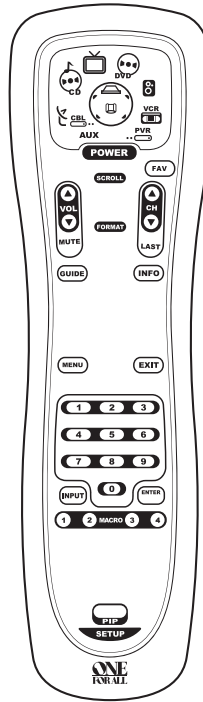
ONE FOR ALL KAMELEON 8-DEVICE REMOTE WITH RF

PVR MAIN MENU



Pressing **PVR** once displays the *PVR Main Menu* screen. After device programming, use these keys to remotely control all your PVR's (or DVR's) common features, such as transport keys and menu, guide, navigation, replay, and live TV functions.

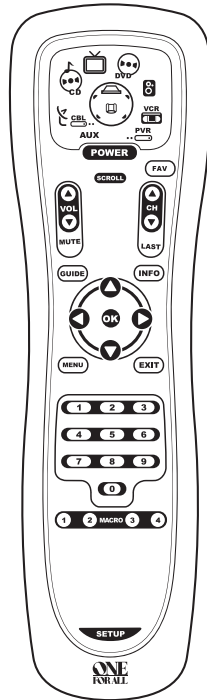
TV MAIN MENU



Pressing **TV** once displays the *TV Main Menu* screen. After device programming, use these keys to remotely control all your TV's common features, such as volume and channels, and last channel, menu, and information/display functions. Pressing **SCROLL** one or more times displays secondary *TV* menus (see the next page).

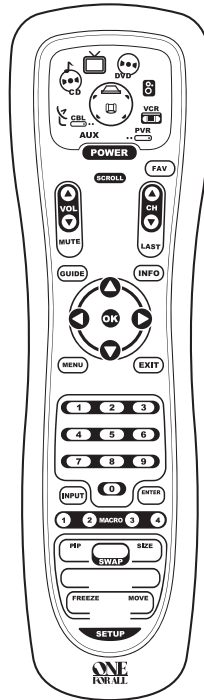
USER'S GUIDE

TV MENU



Pressing **SCROLL** once (on the *TV Main Menu*, as shown on previous page, right side) displays the *TV Menu* screen. Use these keys to remotely control all your TV's common menu features.

TV PIP MENU

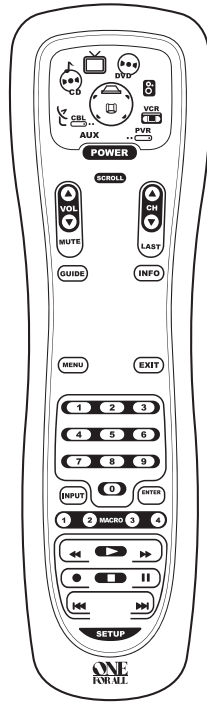


Pressing **SCROLL** once (on the *TV Menu*, as shown on the left) displays the *TV PIP Menu* screen. Use these keys to remotely control all your TV's common PIP features.

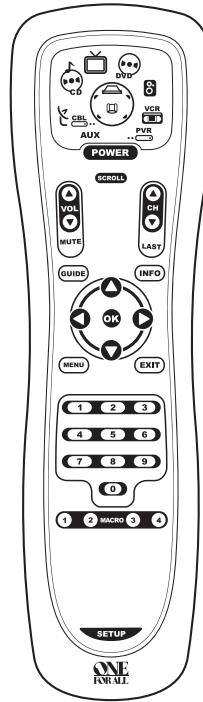
Pressing **SCROLL** once more returns the display to the *TV Main Menu* screen (as shown on the previous page, right side).

ONE FOR ALL KAMELEON 8-DEVICE REMOTE WITH RF

VCR MAIN MENU



VCR MENU



Pressing **VCR** once displays the *VCR Main Menu* screen. After device programming, use these keys to remotely control all your TV's common features, such as volume and channels, and last channel, menu, and information/display functions. Pressing **SCROLL** once displays a secondary *VCR menu* (on the right).

Pressing **SCROLL** once (on the *VCR Main Menu*, as shown on the left) displays the *VCR Menu* screen. Use these keys to remotely control all your VCR's common features.

Pressing **SCROLL** once more returns the display to the *VCR Main Menu* screen (as shown on the left).

USER'S GUIDE

CUSTOMER SUPPORT

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

- **E-mail:**
ofasupport@ueic.com
- **Internet:** **http://**
www.oneforall.com
- Consumer Help-Line: (330)
405-8620

COMPLIANCE WITH FCC RULES AND REGULATIONS

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

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

The user is cautioned that changes and modifications made to the equipment without the approval of the manufacturer

could void the user's authority to operate his equipment.

FCC Authorization Label

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

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

FCC ID #: MG3UR9964

OFA Kameleon 8-Device Remote with RF Command Center: (FCC Image)

IC Authorization Label

IC:2575-UR9966

The term "IC:2575-UR9966" before the certification/registration number only signifies that the Industry Canada technical specifications were met.

LIMITED WARRANTY

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

This limited warranty is valid only on Universal Electronics product purchased and used in the United States of America or Canada, and does not apply to products used for industrial or commercial purpose.

The limited warranty does not cover damage or failure caused by products or services not supplied by Universal Electronics, or which result from accident, misuse, abuse, neglect, mishandling, misapplication, faulty installation, set-up adjustment, improper maintenance, alteration, maladjustment of consumer controls, modifications, commercial use, or that is attributable to acts of God.

There are no express warranties except as listed above. Universal Electronics SHALL NOT BE LIABLE FOR INCIDENTAL OR

ONE FOR ALL KAMELEON 8-DEVICE REMOTE WITH RF

CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to

you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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

For warranty information only, call: (330) 405-8655

BATTERY USE AND SAFETY

- Dispose of old batteries promptly and properly.
- Do not burn or bury batteries.
- Use only new batteries of the required size.
- Do not mix old and new batteries, different types of batteries (e.g., standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.
- If you do not plan to use the remote control for an extended period, remove the batteries. They can leak chemicals that can destroy electronic parts.
- If you're using rechargeable batteries, we recommend using a NiMH type with a capacity of 550 mAh or more.

ABOUT BATTERY LIFE

As with all battery-operated devices, battery life will vary depending on use, including frequency and duration of key presses on the Kameleon screen. Battery life may be extended by performing some or all of the following:

- Reducing the brightness level of the display screen (see "Adjusting Brightness" on page 13).
- Reducing the on time of the display screen (see "Adjusting How Long The Screen Light is On" on page 14).

USER'S GUIDE

- Disabling the vibration switch (see “Setting the Vibration Switch” on page 15).

The two bottom IR indicator segments will flash when the batteries in your Kameleon are running low.

SPECIFICATIONS

Remote Control Power 4 AAA Batteries
 IR/RF Base Station Power Cord Power 120 V DC 200mA
 Remote Control to IR/RF Base Station Range up to 100 Feet (30.48 m)*
 IR/RF Base Station to Device Range 25 Feet (7.62 m) ± 30°

* *Distance may vary*

Remote Control Dimensions

(H x W x D) 9-4/16 x 2-10/16 x 1 in.
 (H x W x D) 235 x 67 x 26 mm

IR/RF Base Station Dimensions

(H x W x D) 4-1/8 x 3-1/8 x 3 in
 (H x W x D) 105 x 80 x 76 mm
 Remote Control Weight (without Batteries) 5.6 oz (159 g)
 IR/RF Base Station Weight (Without Power Adapter) 2.4 oz (68 g)

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

ADDITIONAL INFORMATION

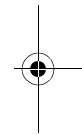
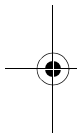
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The OFA Kameleon 8-Device Remote with RF (URC-9964B00) is compatible for use in North America, excluding Mexico.

URC-9964B00

4/04



ONE
FOR ALL

