ONE FOR ALL KAMELEON 8-DEVICE REMOTE WITH RF
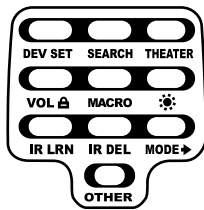
To control devices other than the default brands, perform the following steps; otherwise skip this section.

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

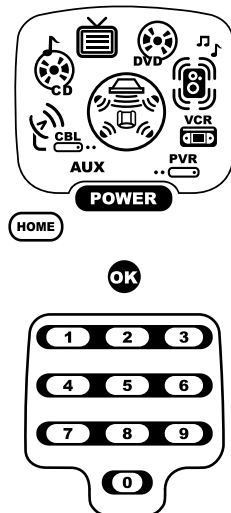1. Turn on a device (e.g.,VCR or DVD player) and, if applicable, insert media (e.g., cassette or disc).

    NOTE: Read steps 2 through 9 completely before proceeding. Before starting step 2, review the "Manufacturer's Codes" (starting on page 44). 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 44) 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.

USER'S GUIDE

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:_____

TV Code:

☐ ☐ ☐ ☐

CBL/SAT Code:

☐ ☐ ☐ ☐

AUDIO Code:

☐ ☐ ☐ ☐

Device Type:_____

Device Type:_____

CD Code:

☐ ☐ ☐ ☐

VCR Code:

☐ ☐ ☐ ☐

Device Type:_____

Device Type:_____

DVD Code:

☐ ☐ ☐ ☐

PVR Code:

☐ ☐ ☐ ☐

Device Type:_____

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*
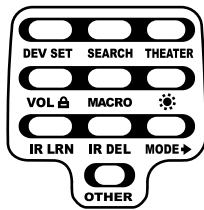
ONE FOR ALL KAMELEON 8-DEVICE REMOTE WITH RF___

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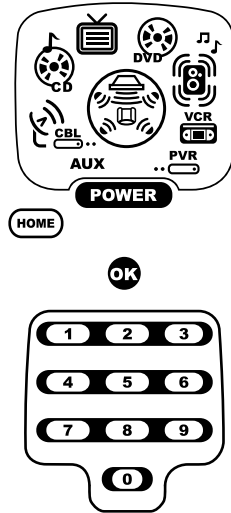
1. Turn on the DVD Player/VCR Combo and insert a DVD.

    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 47). 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 47) 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.
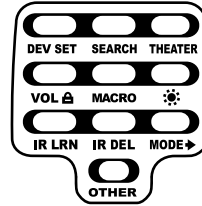
7.   If the code works, Press **OK** once. The two bottom IR segments will flash twice.

8.   To exit programming, press **HOME** twice. The display returns to the last-selected device menu screen.
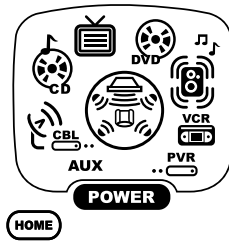
SEARCHING FOR YOUR CODE

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*

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

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

3.   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.

4.   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.).*

5.   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.
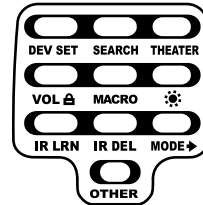
ONE FOR ALL KAMELEON 8-DEVICE REMOTE WITH RF

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.
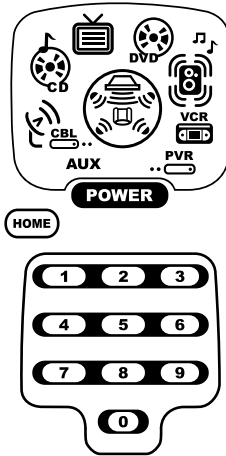
CHECKING THE CODES

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.

*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:

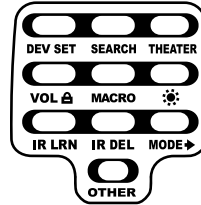|	
Video Playback:	**AUDIO, AUX, CBL/SAT, CD, DVD, PVR, VCR**
Volume Controls:	**AUDIO, AUX, CBL/SAT, CD, DVD, PVR, TV, VCR**
Channel Controls:	**AUX, CBL/SAT, DVD, PVR, TV,** and **VCR**
Menu Controls:	**AUDIO, AUX, CBL/SAT, CD, DVD, PVR, TV,** and **VCR**

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FACTORY DEFAULT SETTINGS

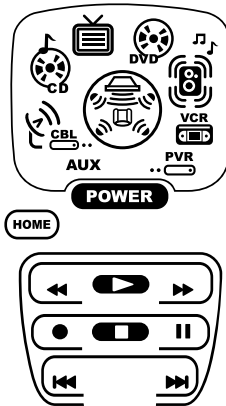At the factory, the *Control Groups* are assigned the following modes as default settings:

Video Playback:	**DVD**	If the default settings fit your needs, you can skip programming this mode. Otherwise, perform the steps in the following section to assign device modes to the *Control Groups*.
Volume Controls:	**AUDIO**	
Channel Controls:	**CBL/SAT**	
Menu Controls:	**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.
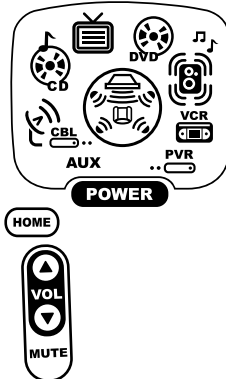
3. Press **THEATER** once.The *Video Playback* programming screen appears:

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.*
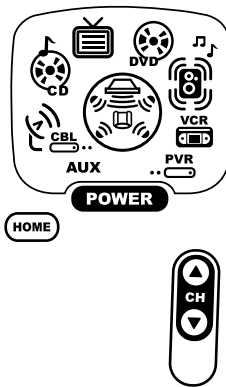
4. To assign a mode to the *Video Playback* group, press a device key once (i.e., **AUX, CBL/SAT, CD, TV, DVD, AUDIO, VCR**, or **PVR**).Then the *Volume Controls* programming screen appears:
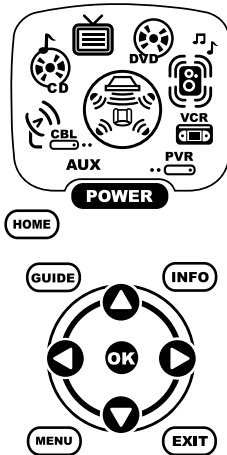
NOTE: . *If a device key is animated, it is assigned to this function group. To continue programming the Home Theater mode, you must select a device key, even if it is the same one that is currently animated.*

5. 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.*

ONE FOR ALL KAMELEON 8-DEVICE REMOTE WITH RF

6. 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.

7. 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.

8. 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.*
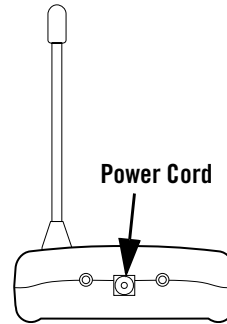
NOTE: *The RF signal transmitted by the OFA Kameleon 8-Device Remote with RF, only works with the IR/RF Command Center.*
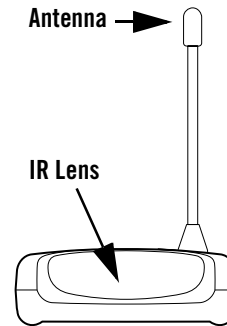
SETTING UP THE IR/RF BASE STATION

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

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:

Power Cord

3. Position the IR/RF Base Station so the black IR Lens is aimed at your home theater devices, as shown to the right:

Antenna

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.

IR Lens

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 26). 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.
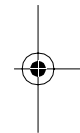
ONE FOR ALL KAMELEON 8-DEVICE REMOTE WITH RF

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.
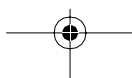
The IR/RF Command Center will convert the RF signal from the OFA Kameleon 8-Device Remote with RF into an IR signal and transmit that signal through the IR Signal Extension Cord to turn on your device (e.g., TV). If it does not turn on, try repositioning the LED until the device can be controlled, then re-attach the LED.

Distance may vary

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.*
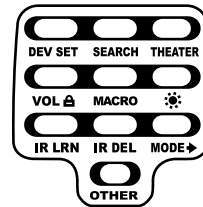
CHANGING VOLUME LOCK

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.
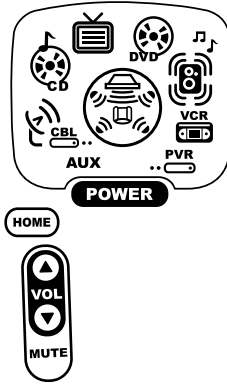
LOCKING VOLUME CONTROL TO ONE MODE (GLOBAL VOLUME LOCK)

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

ONE KAMELEON 8-DEVICE REMOTE WITH RF

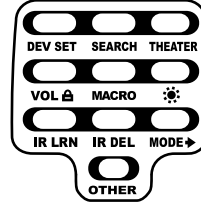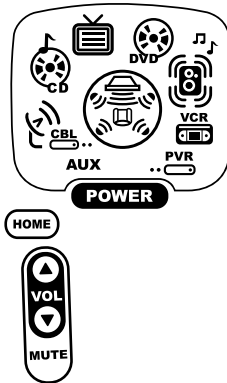2. Press **VOL** once. The *Volume Lock* programming screen appears:

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.
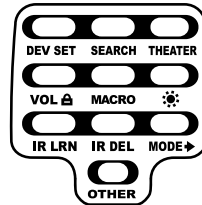
    *NOTE: The programming mode is still active as denoted by the flashing **SETUP** key. If desired, use the other **Program Keys** to continue programming (see Table of Contents on page 2 for related sections).*
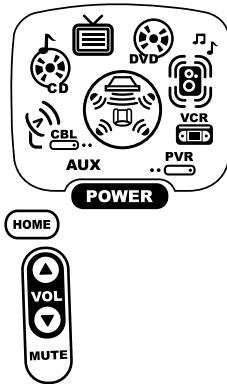
4.   If desired, repeat steps 2 through 3 (of this section) for each device that you want volume to be unlocked.

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.

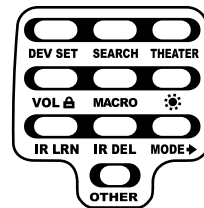*NOTE: Programming a new macro over an existing one erases the original.*

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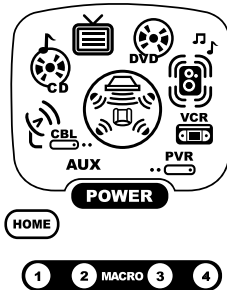
For example, let's assume your favorite cable programs are on channel 71. Use the following instructions to program a macro for direct access of this channel:

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.