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## INTRODUCTION

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The One For All 4 Device Universal Remote Control (URC-4021) is designed to remotely operate up to four home entertainment devices. It also features intuitive and easy-to-use keys for instant control of DVD and PVR (or DVR) components. Moreover, its sophisticated technology will allow you to consolidate your original home entertainment remote controls into one easy-to-use product. Advanced features include:

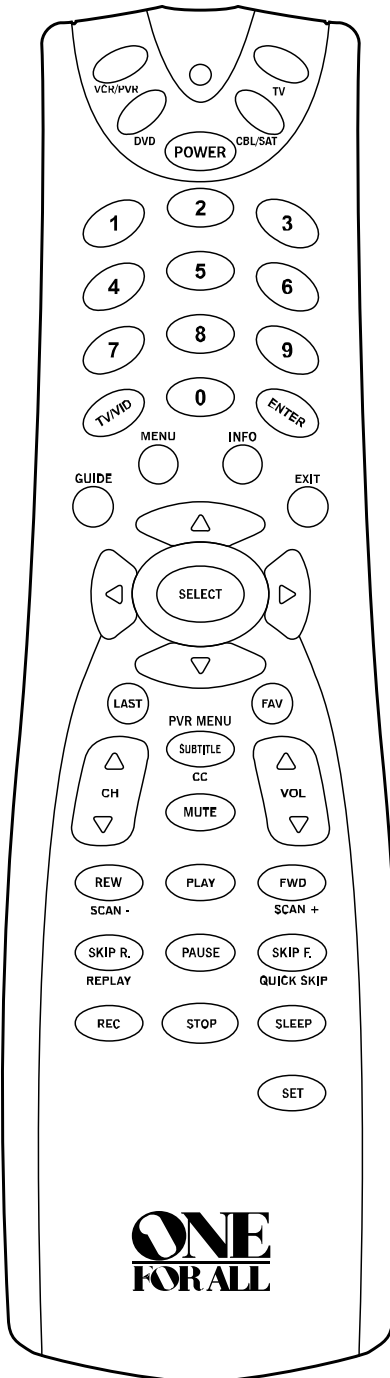
- Intuitive buttons to allow easy access to functions and menus on your DVD player, PVR (or DVR), and Cable/Satellite devices
- Direct code setup for easy device programming
- *Step-and-Set* code search and *Code Verification* for an alternate way to program devices
- *Power Macro* for master on/off control of all of your equipment with a single keystroke
- *Volume Lock/Unlock* feature to lock or unlock the volume control to one mode or individual modes
- *Device Key Re-Assignment* to remotely control a second (duplicate) device
- *Channel Scan* and *Favorite Channel Scan* for easy channel surfing
- Color-coded keys to quickly locate popular functions
- Extensive code library for popular video devices including DVD players and PVRs (or DVRs)

The URC-4021 remote control requires two (2) new AAA alkaline batteries (not included) and some easy programming to control your devices. For best results, please read and perform all instructions listed here. Also, keep this guide for future reference.

## FEATURES AND FUNCTIONS

Use the illustration below to locate features on the One For All 4 Device Universal Remote Control (URC-4021) and then study the *Key Charts* (on the next two pages) to learn how they function.

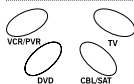
To find out what type of devices can be controlled by each device key after programming, see the *Device Table* on page 6.



## Key Charts



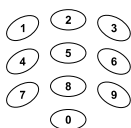
When the **LED** (red light) blinks, the remote control is working and (after programming) is sending signals.



Press **VCR/PVR**, **DVD**, **CBL/SAT**, or **TV** once to select a desired home entertainment device to control. Also see the *Device Table* on page 6.



Press **POWER** once to turn on or off the selected device. For master power control, see *Programming A Master Power Macro* on page 10.



Use the keypad (**1 ~ 9** and **0**) to directly select channels (e.g., **009** or **031**).



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



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



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



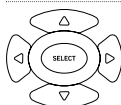
Press **MENU** once to display your selected device's main menu.



Use **INFO** to display the current channel and program or on-screen directory.



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



Use the **Cursor Keys** to move the cursor in the program guide and menu screens.

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



Press **LAST** once to recall the last channel.



Use **FAV** to scan all channels, or after programming, to scan up to 10 favorite channels.



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



Press **SUBTITLE/CC** once to display (or turn off) subtitles or closed captions, if available on your DVD player or cable/satellite service.

For a PVR (or DVR), press **PVR MENU** once to display a list of your recorded shows.



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



Use **VOL▲** (or **VOL▼**) to raise (or lower) the sound volume.



Use **REW**, **PLAY**, **FWD**, **PAUSE**, or **STOP** to control your VCR, PVR (or DVR), or DVD player.

For a DVD player, use **SKIP F.** or **SKIP R.** to view the next or previous chapter.

For a VCR, PVR (or DVR), or VOD (if available), use **SCAN-** or **SCAN+** to quickly scan forward or back through a video program. Use **REPLAY** for an instant replay. Use **QUICK SKIP** to advance the video program a preset amount (as set on your device).



Press **REC** twice to record a VCR or PVR (or DVR) program.



Use **SLEEP** to set the sleep timer on a selected device if equipped with this feature.







Use **SET** for all programming sequences.

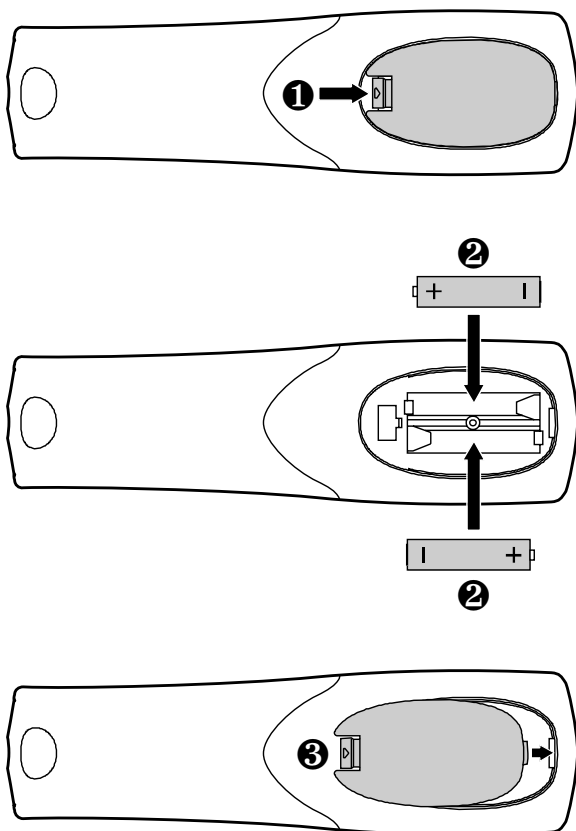
## Device Table


*NOTE: Please refer to the table below when performing the instructions in “Programming Device Control” on page 8.*

After programming, the One For All 4 Device Universal Remote Control will be able to control the following types of devices:

DEVICE KEY	CONTROLS THESE TYPES OF DEVICES
 DVD	<ul style="list-style-type: none"> <li>• DVD Player</li> <li>• TV/DVD Player Combo</li> <li>• VCR/DVD Player Combo</li> </ul>
 VCR/PVR	<ul style="list-style-type: none"> <li>• VCR</li> <li>• TV/VCR Combo</li> <li>• TV/VCR/DVD Player Combo</li> <li>• VCR/DVD Player Combo</li> <li>• PVR (or DVR)</li> </ul>
 CBL/SAT	<ul style="list-style-type: none"> <li>• Cable Box (or Converter)</li> <li>• Cable Box/PVR (or DVR) Combo</li> <li>• Satellite Receiver</li> <li>• Satellite Receiver/PVR (or DVR) Combo</li> </ul>
 TV	<ul style="list-style-type: none"> <li>• Television</li> </ul>

## INSTALLING BATTERIES



1. On the remote control's back, push the tab and lift off the battery cover.
2. Obtain two (2) 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.  Test the remote control by pressing any mode key (e.g., **TV**). If the batteries are inserted correctly, the **LED** (red light) will blink.

*NOTE: When batteries need replacement, the remote control will stop operating. Remove the old batteries and insert new ones within 10 minutes to ensure all of your programming information is restored.*

## PROGRAMMING DEVICE CONTROL

The One For All 4 Device Universal Remote Control is preprogrammed at the factory to operate an RCA TV, a Toshiba DVD player, a Motorola cable box, and an RCA VCR. To control devices other than the default brands, perform the following steps; otherwise skip this section:

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

*NOTE: Please read steps 2 through 4 completely before proceeding. Highlight or write down the codes and device you wish to program before starting step 2.*

2. On the remote control, press a device key once (i.e., **VCR/PVR**, **DVD**, **CBL/SAT**, or **TV**).



*NOTE: To program control of a VCR, PVR (or DVR), TV/VCR Combo, or TV/VCR/DVD Player Combo press **VCR/PVR** once. After programming a VCR Combo device, you will be able to control channel selection, volume, and VCR functions.*

*NOTE: To program control of a DVD Player, DVD Player/VCR Combo, or TV/DVD Player Combo, press **DVD** once. After programming a DVD Combo device, you will be able to control channel selection, volume, and DVD functions.*

*NOTE: To program control of a Cable Box, Cable Box/PVR (or DVR) Combo, Satellite Receiver, or a Satellite Receiver/PVR (or DVR) Combo, press **CBL/SAT** once.*

3. Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.



4. Use the *Manufacturer's Codes* (starting on page 18) to locate the type of device and brand name and then enter the first four-digit code for your device. If performed correctly, the **LED** will blink twice.

*NOTE: If the LED did not blink twice, repeat steps 2 through 4 and enter the same code again.*

5. Aim the remote control at the device and press **POWER** once. The device should turn off. If it does not, repeat steps 2 through 5, trying each code for your brand until you find one that works. If it still doesn't work, try *Searching For Your Code* on next page.



*NOTE: If the device does not have a **POWER** key, press **PLAY**.*

6. Repeat steps 1 through 5 for each device you want to control. For future reference, write down each working device code in the following boxes:

**VCR/PVR** Code:

Device Type: \_\_\_\_\_

**DVD** Code:

Device Type: \_\_\_\_\_

**CBL/SAT** Code:

Device Type: \_\_\_\_\_

**TV** Code:






Device Type: \_\_\_\_\_



## SEARCHING FOR YOUR CODE

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


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

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

1.  On the remote control, press **TV** once.
2.  Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.
3.   
  
 Enter **9 - 9 - 1**. The **LED** will blink twice.







4.   
 Aim the remote control at the TV and slowly alternate between pressing **POWER** and **TV**. Stop when the TV turns off (after pressing **POWER**). If the device does not have a Power key, you can substitute another function, such as digits **0 ~ 9**, **CH▲**, or **PLAY**).

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

5.  To lock in the code, press and release **SET**. The **LED** will blink twice.
6. To search for the codes of your other devices, repeat steps 1 through 5, but substitute the appropriate device key for the device you are searching for.




## CHECKING THE CODES

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

1.  On the remote control, press **TV** once.
2.  Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.
3.   
  
 Enter **9 - 9 - 0**. The **LED** will blink twice.
4.  To view the code for the first digit, press **1** once. Wait 3 seconds, count the **LED** blinks (e.g., three blinks = 3) and write down the number in the leftmost box in the TV code boxes on page 8.

*NOTE: If a code digit is "0", the LED will not blink.*










5.  Repeat step 4 (on the previous page) 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 8.
6.   
 To check for codes of other devices, repeat steps 1 through 5 (starting on the previous page), 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 8.


## PROGRAMMING A MASTER POWER MACRO

In its default state, the **POWER** key on the One For All 4 Device Universal Remote Control will individually power your home entertainment devices on or off. However, you can also program a *Master Power Macro* onto the **POWER** key that will sequentially turn on or off all the devices with a single key press.

### Programming The Power Key For The Master Power Macro

1.  Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.
2.   
  
 Enter **9 - 9 - 5**. The **LED** will blink twice. Then press **POWER** once.  

3.  For the first device you want in the power-on sequence, press its device key (e.g., **CBL/SAT**) once.
4. Repeat step 3 up to three more times to add desired devices to the power-on sequence (e.g., **VCR/PVR**, **DVD**, and **TV**).
5.  To save the settings and exit the program, press and hold **SET** until the **LED** blinks twice, then release **SET**.

### Operating The Master Power Macro

1.  After programming, point the remote control at the devices and press **POWER** for at least 2 seconds to sequentially turn on (or off) your devices.

*NOTE: When **POWER** is pressed for less than 2 seconds, a power command will only be sent to the currently-selected device. This allows you to still individually power devices on or off.*

2. Devices will turn on (or off) according to your programmed sequence.







*NOTE: The currently-selected device will always turn on or off first, followed by the remaining programmed sequence. After the master power sequence has been completed, the remote control will be set to control the first powered-on device.*

*NOTE: If one or more devices does not have a **POWER** key, the power off/on sequence may be slightly delayed when the remote control signals the device(s). This action is normal.*

*continued on next page...*







## PROGRAMMING A MASTER POWER MACRO (continued)

### Clearing The Master Power Macro

1.  Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.
2.   
  
  
 Enter **9 - 9 - 5**. The **LED** will blink twice. Then press **POWER** once.
3.  Press and hold **SET** until the **LED** blinks twice, then release **SET**. The *Master Power Macro* is now cleared.

## RE-ASSIGNING DEVICE KEYS

The One For All 4 Device Universal Remote Control can be set to control a second PVR, VCR, or DVD player. For example, to control a TV, a cable box, and *two DVD players*, re-assign the unused **VCR/PVR** key to operate the second DVD player as follows:

1.  On the remote control, press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.
2.   
  
 Enter **9 - 9 - 2**. The **LED** will blink twice.
3.  Press **DVD** once.
4.  Press **VCR/PVR** once. The **LED** will blink twice. The **VCR/PVR** key is now ready to be set up to control your second DVD player. See *Programming Device Control* on page 8.


To re-assign a second VCR or PVR (or DVR) to the unused **DVD** key, repeat steps 1 through 4. However, in step 3 substitute **VCR/PVR** for **DVD**, and in step 4 substitute **DVD** for **VCR/PVR**. Now the **DVD** key will be ready to be set up as your second VCR or PVR (or DVR). See *Programming Device Control* on page 8.

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

## USING CHANNEL SCAN

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

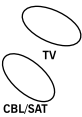



1.   
 Press **CBL/SAT** or **TV** once.

2.  Press **FAV** once.
  - If *Favorite Channel Scan* has been set up, scanning of favorite channels will start with up to 100 channel changes or until stopped by pressing any key.
  - If *Favorite Channel Scan* has not been set up, scanning will start with the current channel, and continue up to 100 channel changes 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 **CBL/SAT** or **TV** mode, you can store a list of up to 10 favorite channels, in any order, that will be immediately scanned when **FAV** is pressed (see *Using Channel Scan* on the previous page).

*NOTE: Favorite channels can only be programmed for one mode. After programming, if FAV is pressed while in another mode, the remote control will start scanning all channels instead (if applicable to the selected device).*

1.  On the remote control, press **CBL/SAT** or **TV** once.
2.  Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.
3.  Enter **9 - 9 - 6**. The **LED** will blink twice.
4.  Use the keypad to enter a favorite channel number (e.g., **031**). Then press **SET** once.
 





*NOTE: If the original remote control required pressing an Enter key to change the channel, also press the **ENTER** key after the channel number (e.g., **0 - 3 - 1 - ENTER**). On some satellite receivers and cable boxes, you may need to press the **SELECT (OK)** key instead of **ENTER**.*
5. If desired, repeat step 4 for each channel to be stored, up to a total of 10 channels.
 

*NOTE: If you try entering more than 10 channels, the remote control will automatically exit programming. To change your favorite channel list at this point, you will first need to delete the existing list by performing the steps in "Clearing Custom Programming" on page 14. Then, perform the instructions in this section once again.*
6.  To exit programming with less than 10 favorite channels stored, press and hold **SET** until the **LED** blinks twice. Otherwise, the remote control will automatically exit the program after 10 channels have been stored.





## CHANGING VOLUME LOCK

The One For All 4 Device Universal Remote Control 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 will be locked to one mode (e.g., to control TV volume in all other modes). After that, if desired, 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)

-  Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.
-  Enter **9 - 9 - 3** and then press any mode key once (e.g., **TV**). The **LED** will blink twice.
 

- Now, when you press **VOL ▲**, **VOL ▼**, or **MUTE**, the volume of the selected device (e.g., **TV**) will be controlled, regardless of the mode you have selected.

### Unlocking Volume Control For A Single Device (Individual Volume Unlock)


- After performing *Global Volume Lock* (above), press a desired mode key where you want volume to be unlocked (e.g., **DVD**) and controlled within its own mode.
-  Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.
-  Enter **9 - 9 - 3** and then press **VOL ▼** once. The **LED** will blink four times.
 


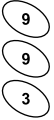


- If desired, repeat steps 1 through 3 (of this section) for each device that you want volume to be unlocked.
- Now, after you select a device that has volume unlocked (e.g., **DVD**), pressing **VOL ▲**, **VOL ▼**, or **MUTE** will control the device's volume only in its own mode.

### Unlocking All Volume Control (Restoring Default Setting)

*NOTE: Performing these instructions will restore independent volume control for all programmed devices (e.g., TV volume control in TV mode, VCR volume in VCR/PVR mode, etc.).*

-  On the remote control, press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.

2.  Enter **9 - 9 - 3** and then press **VOL ▲** once. The **LED** will blink four times.



3. Volume will again be independently controlled according to its default states for all programmed devices.


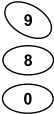
## CLEARING CUSTOM PROGRAMMING

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The One For All 4 Device Universal Remote Control contains an *Operational Feature Reset* program.

If desired, you can use it to clear custom programming, except your setup codes and reassigned device keys, and reset them to original factory settings. Also see *Restoring Factory Default Settings* as below.

**IMPORTANT:** Executing this program will erase all your custom settings for *Power Macro, Favorite Channels, and Volume Lock*.


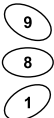
1.  Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.
2.  Enter **9 - 8 - 0**. The **LED** will blink twice. The remote control will return to normal operation.

## RESTORING FACTORY DEFAULT SETTINGS

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The One For All 4 Device Universal Remote Control also contains a *Factory Reset* program that you can use to reset all custom settings and setup codes to original factory settings. Also see *Clearing Custom Programming* as above.

**IMPORTANT:** Executing this program will erase all your custom settings for *Power Macro, Favorite Channels, Volume Lock, Reassigned Devices, and all device settings*.

1.  Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.
2.  Enter **9 - 8 - 1**. The **LED** will blink twice. The remote control will return to normal operation.

## TROUBLESHOOTING

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- PROBLEM:** **LED** (red light) does not blink when you press a key.
- SOLUTION:** Replace batteries with two new AAA alkaline batteries.
- 
- PROBLEM:** **LED** blinks when you press a key, 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:** 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:** Changing channels does not work.
- SOLUTION:** If original remote required pressing ENTER or SELECT to change channels, press **ENTER** or **SELECT** on this remote after entering the channel number.
- 
- PROBLEM:** Tried *Searching For Your Code* method and still could not find a working code.
- SOLUTION:** Clear the device key as follows: Press and hold **SET** until the **LED** (red light) blinks twice, then release. Next enter **9 - 9 - 2**. Then press the device key to be cleared twice. Now repeat the *Searching For Your Code* method on page 9.
- 
- PROBLEM:** **CH ▲** and **CH ▼** do not work for your RCA TV.
- SOLUTION:** Due to RCA design (1983-1987), only the original remote control will operate these functions.
- 
- PROBLEM:** No remote control of volume.
- SOLUTION:** See *Changing Volume Lock* on page 13 to lock/unlock volume.
- 

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) 405-8612
-

## INSTRUCTIONS TO THE USER

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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 a reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate 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 to correct the interference by one or more of the following measures:

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

## LIFETIME WARRANTY

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One For ALL ("OFA") warrants this product to be free from defects in materials and workmanship, under normal use, throughout the period of the product's ownership by the original purchaser. This warranty does not cover damages or failures caused by products or services not supplied by OFA, or which result from accident, misuses, 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. OFA SHALL NOT BE LIABLE FOR INCIDENTAL OR 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, please return the product, preferably in the original carton, along with your purchase receipt, to the store of original purchase for the first 90 days. A note detailing the complaint would be helpful. The store, at its option, will replace or repair this product if found to be defective.

If the unit has been purchased more than 90 days ago, please return it to CT Global Inc. 8918 Stone Green Way, Louisville, KY 40220 together with the original receipt and \$3.95 to cover postage and handling. It will be repaired or replaced at the manufacturer's option. The manufacturer reserves the right to substitute a currently manufactured model with equal or superior features.

One For All: (330) 405-8655

URC-4021

March 2004

## ADDITIONAL INFORMATION

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

One For All Access 3.....	URC-3605
One For All Big Easy 3-Device.....	URC-3300
One For All DVD Expert 4-Device.....	URC-4041
One For All Big Easy 4-Device.....	URC-4330
One For All Access 4.....	URC-4605
One For All Access 5.....	URC-5705
One For All 4 Device.....	URC-4021
One For All 3 Device.....	URC-3021
One For All PVR 6-Device.....	URC-6131
One For All 6-Device Home Theater.....	URC-6011
One For All 8-Device Home Theater.....	URC-8011
One For All 8L-Device Home Theater With Learning.....	URC-8811
One For All A/V LCD 8 Device With Learning.....	URC-8910
One For All IR/RF LCD 8 Device With Learning.....	URC-9910
One For All 8 Device Home Theater Remote Powered By Kameleon.....	URC-9960

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The One For All® 4 Device Universal Remote Control is compatible for use in North America, excluding Mexico.

This One For All® 4 Device Universal Remote Control is covered by one or more of the following US Patents:

6,587,067	6,496,135	5,515,052	5,959,751
6,587,067	5,481,256		



## MANUFACTURER'S CODES

### Setup Codes for Cable Boxes

Americast	0899
Bell South	0899
Director	0476
General Instrument	0476, 0810, 0276
GoldStar	0144
Hamlin	0009
Jerrold	0476, 0810, 0276
Memorex	0000
Motorola	0476, 0810, 0276
Pace	0237
Panasonic	0000, 0107
Paragon	0000

Philips	0305, 0317
Pioneer	0877, 1877, 0144, 0533
Pulsar	0000
Quasar	0000
Runco	0000
Samsung	0144
Scientific Atlanta	0877, 1877, 0477
Sony	1006
Supercable	0276
Toshiba	0000
Zenith	0000, 0525, 0899

### Setup Codes for Cable Box/PVR (or DVR) Combos

Motorola	1376
Pioneer	1877

Scientific Atlanta	1877
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### Setup Codes for DVD Players

Apex Digital	0672, 0717, 0794, 1056, 0755, 0797, 1100, 0796, 1061
Axion	1072
Blaupunkt	0717
Blue Parade	0571
CineVision	0876
Curtis Mathes	1087
CyberHome	1024, 1023, 0816
Daewoo	0784
Denon	0490
Dual	1068
DVD2000	0521
Emerson	0591, 0675
Enterprise	0591
Fisher	0670
Funai	0675
GE	0522, 0815, 0717
Go Video	0744, 0715, 0783
GPX	0699
Greenhill	0717
Hitachi	0573
Hiteker	0672
JVC	0558, 0623
Kenwood	0490, 0534
KLH	0717, 1020
Koss	0651
Lasonic	0798
Magnavox	0503, 0675
Marantz	0539
Microsoft	0522

Mintek	0839, 0717
Mitsubishi	0521, 1521
Nesa	0717
Norcent	1003
Onkyo	0503
Oritron	0651
Panasonic	0490, 1762
Philips	0503, 0539, 0646
Pioneer	0525, 0571
Polk Audio	0539
Proscan	0522
Qwestar	0651
RCA	0522, 0571, 0717
Rotel	0623
Rowa	0823
Samsung	0573, 1075, 0820
Sanyo	0670
Shinasonic	0533, 0839
Sony	0533, 1533, 0864, 1033
Sylvania	0675
Symphonic	0675
Technics	0490
Theta Digital	0571
Toshiba	0503
Tredex	0799
Urban Concepts	0503
Xbox	0522
Yamaha	0490, 0539, 0545
Zenith	0503, 0591

### Setup Codes For DVD Player/VCR Combos

Apex Digital	1061
Go Video	0744, 0715
Hitachi	0000
Panasonic	1762
RCA	0060
Samsung	1075, 0820
Sanyo	0104
Sony	0864

Sylvania	0675, 0000
Symphonic	0675, 0000
Toshiba	0503

*continued on next page...*

## MANUFACTURER'S CODES

### Setup Codes for PVRs (or DVRs)

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

### Setup Codes for Satellite Receivers

AlphaStar	0772	Motorola	0869
DirecTV	0392,0566,0639,0247,0749, 1749,0724,0819,1856	Next Level	0869
Dish Network System	1005,0775	Panasonic	0247,0701
Dishpro	1005,0775	Paysat	0724
Echostar	1005,0775	Philips	0749,1749,0724,0722
Expressvu	0775	Proscan	0392,0566
GE	0566	RadioShack	0869
General Instrument	0869	RCA	0392,0566,0855,0143
GOI	0775	Samsung	1276
Hitachi	0819	SKY	0856
HTS	0775	Sony	0639,1639
Hughes Network Systems	0749,1749	Star Choice	0869
JVC	0775	Toshiba	0749,1749,0790,1285
Magnavox	0724,0722	UltimateTV	0392,0639
Memorex	0724	Uniden	0724,0722
Mitsubishi	0749	Zenith	0856,1856

### Setup Codes for Satellite Receiver/PVR (or DVR) Combos

Echostar	1005	RCA	0392
Expressvu	0775	Sony	0639
Proscan	0392		

### Setup Codes for TVs

AOC	0030		0060,0702,0030,0145,0166, 1147,1347
Admiral	0093,0463	Daewoo	0451,1661,0092,0672,0623
Advent	0761,0842	Denon	0145
Aiko	0092	Dumont	0017
Akai	0702,0030,0672,0812	Durabrand	0178,0180
Alfide	0672	Electroband	0000
America Action	0180	Emerson	0154,0236,0463,0180,0178, 0171,0623
Anam	0180	Envision	0030
Apex Digital	0748,0765,0767	Fisher	0154
Audiovox	0451,0180,0092,0623	Fujitsu	0683,0809
Baysonic	0180	Funai	0180,0171
Bell & Howell	0154	Futuretech	0180
Bradford	0180	GE	0047,0051,0451,0178,1147, 1347
Broksonic	0236,0463	Gateway	1755,1756
CXC	0180	Gibraltar	0017,0030
Candle	0030	GoldStar	0030,0178
Carnivale	0030	Gradiente	0053
Carver	0054	Grundig	0672
Celebrity	0000	Grunpy	0180
Celera	0765	Hallmark	0178
Changhong	0765	Harman/Kardon	0054
Cineral	0451,0092	Harvard	0180
Citizen	0060,0030,0092	Havermy	0093
Clarion	0180	Hello Kitty	0451
Contec	0180	Hitachi	0145,1145
Craig	0180	Infinity	0054
Crosley	0054	Inteq	0017
Crown	0180,0672		
Crown Mustang	0672		
Curtis Mathes	0047,0054,0154,0451,0093,		

JBL	0054
JCB	0000
JVC	0463, 0053
Jensen	0761
KEC	0180
KLH	0765, 0767
KTV	0180, 0030
Kenwood	0030
Kioto	0706
LXI	0047, 0054, 0154, 0156, 0178
MGA	0150, 0030, 0178
MTC	0060, 0030
Magnavox	0054, 0706, 0030, 1454, 1254
Marantz	0054, 0030
Matsushita	0250, 0650
Megatron	0178, 0145
Memorex	0154, 0250, 0463, 0150, 0178
Midland	0047, 0017, 0051
Mitsubishi	0093, 0150, 1250, 0178, 0836
Motorola	0093
Multitech	0180
NAD	0156, 0178, 0866
NEC	0030, 1704, 0704
NTC	0092
Nikko	0030, 0178, 0092
Norcent	0748, 0824
Onwa	0180
Optimus	0154, 0250, 0166, 0650
Optonica	0093
Orion	0236, 0463
Panasonic	0051, 0250, 0650
Penney	0047, 0156, 0051, 0060, 0030, 0178, 1347
Philco	0054, 1661, 0463, 0030, 0145
Philips	0054, 1454, 0690
Pilot	0030
Pioneer	0166, 0866
Portland	0092
Prima	0761
Prism	0051
Proscan	0047
Proton	0178
Pulsar	0017
Quasar	0051, 0250, 0650
RCA	0047, 1047, 1147, 1247, 1347, 1447, 1547

RadioShack	0047, 0154, 0180, 0030, 0178
Realistic	0154, 0180, 0030, 0178
Runco	0017, 0030
SSS	0180
Sampo	0030, 1755
Samsung	0060, 0702, 0030, 0178, 0812
Sansei	0451
Sansui	0463
Sanyo	0154
Scotch	0178
Scott	0236, 0180, 0178
Sears	0047, 0054, 0154, 0156, 0178, 0171
Semivox	0180
Semp	0156
Sharp	0093
Sheng Chia	0093
Sony	0000, 1100, 0810
Soundesign	0180, 0178
Squareview	0171
Starlite	0180
Supreme	0000
Sylvania	0054, 0030, 0171
Symphonic	0180, 0171
TMK	0178
TNCi	0017
TVS	0463
Tandy	0093
Technics	0051, 0250
Techwood	0051
Teknika	0054, 0180, 0150, 0060, 0092
Telefunken	0702
Toshiba	0154, 0156, 0060, 1356, 1656, 1704, 0650
Toshiba	1256
Vector Research	0030
Victor	0053
Vidikron	0054
Vidtech	0178
ViewSonic	1755
Wards	0054, 0030, 0178, 0866
Waycon	0156
White Westinghouse	0463, 0623
Yamaha	0030
Zenith	0017, 0463, 0178, 0092

## Setup Codes For TV/DVD Player Combos

Sylvania 0675

## Setup Codes For TV/VCR Combos

America Action	0278
Audiovox	0278
Broksonic	0479, 1479
Citizen	1278
Colt	0072
Curtis Mathes	1035
Daewoo	1278
Emerson	0479, 1479, 1278
Funai	0000
GE	0240, 1035, 0807, 1060
GoldStar	1237

Harley Davidson	0000
Hitachi	0000
Lloyd's	0000
Magnasonic	1278
Magnavox	0000, 1781
Magnin	0240
Memorex	0162, 1237
MGA	0240
Mitsubishi	0807
Optimus	0162

*continued on next page...*

## MANUFACTURER'S CODES

### Setup Codes For TV/VCR Combos (continue)

Orion	1479, 0479	Sanyo	0240
Panasonic	0162, 1035	Sears	0000, 1237
Penney	0240, 1035, 1237	Sony	0000, 1232
Quasar	0162, 1035	Sylvania	1781
RadioShack	0000	Symphonic	0000
RCA	0240, 0807, 1060, 1035	Thomas	0000
Samsung	1014	Toshiba	1145, 0845
Sansui	0000, 1479, 0479	Zenith	0000, 1479, 0479

### Setup Codes For TV/VCR/DVD Player Combos

Sharp 0807

### Setup Codes For VCRs

ABS	1972	Hewlett Packard	1972
Admiral	0048, 0209	HI-Q	0047
Adventura	0000	Hitachi	0000, 0042, 0041
Aiko	0278	Hughes	
Aiwa	0037, 0000	Network Systems	0042
Akai	0041	iBUYPOWER	1972
Alienware	1972	Jensen	0041
America Action	0278	JVC	0067, 0041
American High	0035	KEC	0037, 0278
Asha	0240	Kenwood	0067, 0041, 0038
Audiovox	0037, 0278	KLH	0072
Beaumarck	0240	Kodak	0035, 0037
Bell & Howell	0104	Lloyd's	0000
Broksonic	0184, 0121, 0209, 1479, 0479	Logik	0072
Calix	0037	LXI	0037
Canon	0035	Magnasonic	1278
Carver	0081	Magnavox	0035, 0039, 0081, 0000, 1781
CCE	0072, 0278	Magnin	0240
Citizen	0037, 0278, 1278	Marantz	0035, 0081
Colt	0072	Marta	0037
Craig	0037, 0047, 0240, 0072	Matsushita	0035, 0162
Curtis Mathes	0060, 0035, 0162, 0041, 1035	Media Center PC	1972
Cybernex	0240	MEI	0035
CyberPower	1972	Memorex	0035, 0162, 0037, 0048, 0039, 0047, 0240, 0000, 0104, 0209, 0479, 1237
Daewoo	0045, 0278, 1278	MGA	0240, 0043
Denon	0042	MGN Technology	0240
Durabrand	0038, 0039	Microsoft	1972
Dynatech	0000	Mind	1972
Electrohome	0037	Minolta	0042
Electroponic	0037	Mitsubishi	0067, 0043, 0807
Emerex	0032	Motorola	0035, 0048
Emerson	0037, 0184, 0000, 0121, 0043, 0209, 0278, 0479, 1479, 1278	MTC	0240, 0000
Fisher	0047, 0104	Multitech	0000, 0072
Fuji	0035, 0033	NEC	0104, 0067, 0041, 0038
Funai	0000	Nikko	0037
Garrard	0000	Noblex	0240
Gateway	1972	Northgate	1972
GE	0060, 0035, 0240, 0807, 1060, 1035	Olympus	0035
Go Video	0432	Optimus	1062, 0162, 0037, 0048, 0104, 0432
GoldStar	0037, 0038, 1237	Orion	0184, 0209, 1479, 0479
Gradiente	0000	Panasonic	1062, 0035, 0162, 1035, 0616
Harley Davidson	0000	Penney	0035, 0037, 0240, 0042, 0038, 1035, 1237
Harman/Kardon	0081, 0038		
Harwood	0072		

Pentax	0042	Sony	0035,0032,0033,0000,1232,0636
Philco	0035	STS	0042
Philips	0035,0081,0618	Sylvania	0035,0081,0000,0043,1781
Pilot	0037	Symphonic	0000
Pioneer	0067	Tagar Systems	1972
Polk Audio	0081	Tatung	0041
Profitronic	0240	Teac	0000,0041
Proscan	0060,1060	Technics	0035,0162
Protec	0072	Teknika	0035,0037,0000
Pulsar	0039	Thomas	0000
Quasar	0035,0162,1035	Tivo	0636,0618
RadioShack	0000	TMK	0240
Radix	0037	Toshiba	0045,0043,1145,0845
Randex	0037	Totevision	0037,0240
RCA	0060,0240,0042,1035,0880,0807,1060	Touch	1972
Realistic	0035,0037,0048,0047,0000,0104	Unitech	0240
ReplayTV	0616,0614	Vector	0045
Runco	0039	Vector Research	0038
Samsung	0240,0045,1014	Video Concepts	0045
Sanky	0048,0039	Videomagic	0037
Sansui	0000,0067,0209,0041,1479,0479	Videosonic	0240
Sanyo	0047,0240,0104	Viewsonic	1972
Scott	0184,0045,0121,0043	Villain	0000
Sears	0035,0037,0047,0000,0042,0104,1237	Wards	0060,0035,0048,0047,0081,0240,0000,0042,0072
Sharp	0048,0807	White Westinghouse	0209,0072
Shintom	0072	XR-1000	0035,0000,0072
Shogun	0240	Yamaha	0038
Singer	0072	Zenith	0039,0033,0000,0209,1479,0479
Sonic Blue	0614,0616	ZT Group	1972