

TABLE OF CONTENTS

Introduction	3
Features And Functions	4
Key Charts	5
Device Table	6
Installing Batteries.....	7
Programming Device Control	8
Searching For Your Code.....	9
Checking The Codes	9
Programming A Master Power Macro	10
Programming The Power Key For The Master Power Macro	10
Operating The Master Power Macro	10
Clearing The Master Power Macro	11
Re-Assigning Device Keys	11
Using Channel Scan	11
Programming Favorite Channel Scan	12
Changing Volume Lock	12
Locking Volume Control To One Mode (Global Volume Lock)	12
Unlocking Volume Control For A Single Device (Individual Volume Unlock)	13
Unlocking All Volume Control (Restoring Default Setting)	13
Clearing Custom Programming	14
Restoring Factory Default Settings	14
Troubleshooting	15
Instructions To The User	15
Lifetime Warranty	16
Additional Information	17
Manufacturer's Codes	18
Setup Codes For Cable Boxes	18
Setup Codes For Cable Box/PVR (or DVR) Combos.....	18
Setup Codes For DVD Players	18
Setup Codes For DVD Player/VCR Combos	18
Setup Codes For PVRs (or DVRs).....	19
Setup Codes For Satellite Receivers	19
Setup Codes For Satellite Receiver/PVR (or DVR) Combos.....	19
Setup Codes For TVs	19
Setup Codes For TV/DVD Player Combos	20
Setup Codes For TV/VCR Combos	20
Setup Codes For TV/VCR/DVD Player Combos	21
Setup Codes For VCRs.....	21

INTRODUCTION

The One For All 3 Device Universal Remote Control (URC-3021) is designed to remotely operate up to three 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:

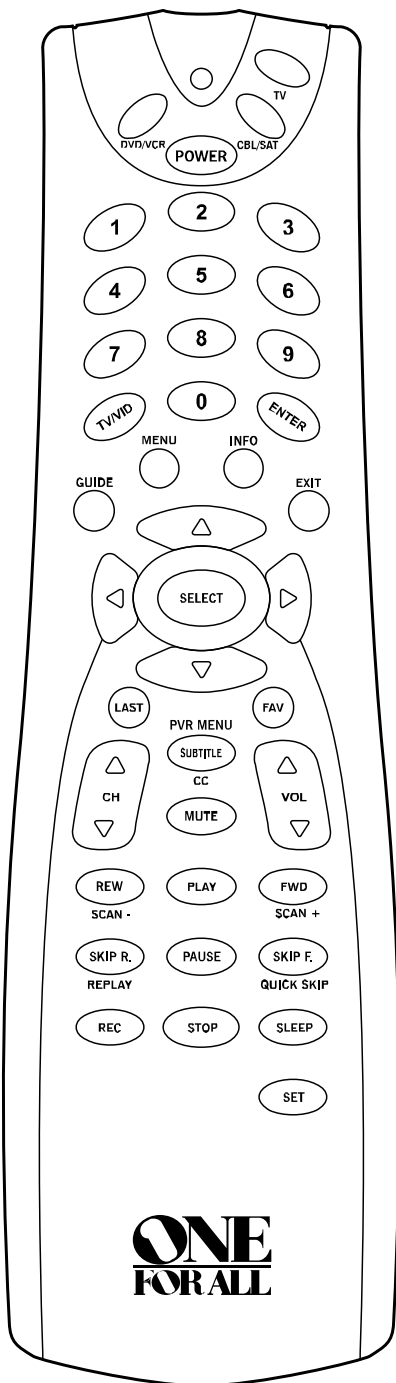
- Intuitive buttons to allow easy access to functions and menus on your DVD player, PVR (or DVR), and Cable/Satellite devices
- Direct code setup for easy device programming
- *Step-and-Set* code search and *Code Verification* for an alternate way to program devices
- *Power Macro* for master on/off 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-3021 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 3 Device Universal Remote Control (URC-3021) and then study the *Key Charts* (on the next two pages) to learn how they function.

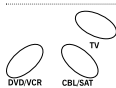
To find out what type of devices can be controlled by each device key after programming, see the *Device Table* on page 6.



Key Charts



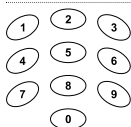
When the **LED** (red light) blinks, the remote control is working and (after programming) is sending signals.



Press **DVD/VCR**, **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.



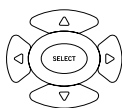
Press **MENU** once to display your selected device's main menu.



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.

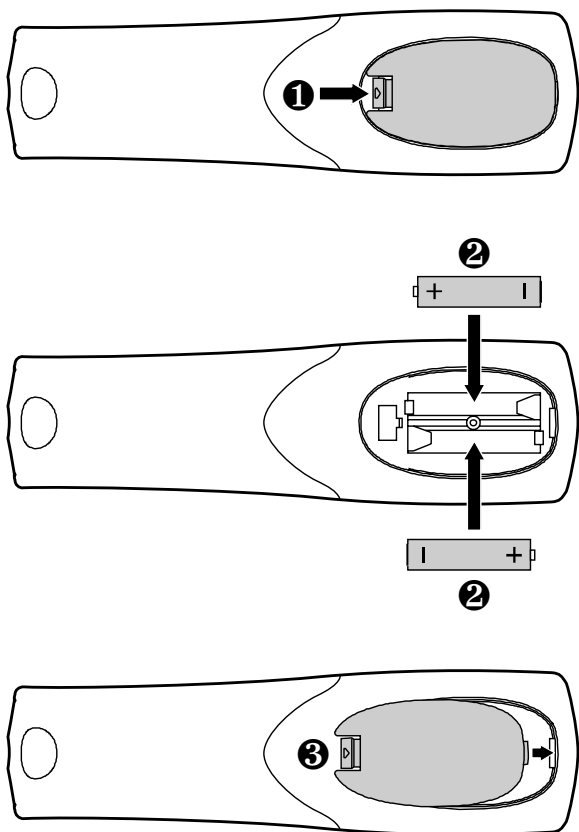
Device Table


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

After programming, the One For All 3 Device Universal Remote Control will be able to control the following types of devices:

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

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.

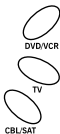
PROGRAMMING DEVICE CONTROL

The One For All 3 Device Universal Remote Control is preprogrammed at the factory to operate an RCA TV, a Toshiba DVD player, and a Motorola cable box. 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., **DVD/VCR**, **CBL/SAT**, or **TV**).



*NOTE: To program control of a VCR, PVR (or DVR), TV/VCR Combo, or TV/VCR/DVD Player Combo press **DVD/VCR** 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/VCR** 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:

DVD/VCR 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:




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

 Enter **9 - 9 - 1**. The **LED** will blink twice.
- 
 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.
-  To lock in the code, press and release **SET**. The **LED** will blink twice.
- 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:

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

 Enter **9 - 9 - 0**. The **LED** will blink twice.
-  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 3 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 two more times to add desired devices to the power-on sequence (e.g., **DVD/VCR** 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 (cont'd)

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 3 Device Universal Remote Control can be set to control a DVD player and a VCR (or a PVR) or a second DVD player by re-assigning the unused **CBL/SAT** key 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/VCR** once.
4.  Press **CBL/SAT** once. The **LED** will blink twice. The **CBL/SAT** key is now ready to be set up to control your VCR (or PVR) or second DVD player. 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

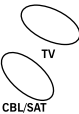
In the **CBL/SAT** or **TV** mode, use the **FAV** key to start a 3-second scan of all channels. Or, if programmed, use the **FAV** key to scan only your favorite channels to view a desired channel (see *Programming Favorite Channel Scan* on next page.)

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 3 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)

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




continued on next page...

CHANGING VOLUME LOCK (cont'd)

Locking Volume Control To One Mode (Global Volume Lock)




-  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/VCR**) 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.
- After selecting a device that has volume unlocked (e.g., **DVD/VCR**), 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 DVD/VCR mode, etc.).

-  On the remote control, 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.

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

CLEARING CUSTOM PROGRAMMING

The One For All 3 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* 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

The One For All 3 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* 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

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 <i>Searching For Your Code</i> 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 <i>Searching For Your Code</i> 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 <i>Changing Volume Lock</i> on page 12 to lock/unlock volume.

INSTRUCTIONS TO THE USER

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.

This product has been discontinued and is no longer supported

URC-3021

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

Copyright 2004 by Universal Electronics Inc. No part of this publication may be reproduced, transmitted, transcribed, stored in any retrieval system, or translated to any language, in any form or by any means, electronic, mechanical, magnetic, optical, manual, or otherwise, without the prior written permission of Universal Electronics Inc.

The One For All® 3 Device Universal Remote Control is compatible for use in North America, excluding Mexico.

This One For All® 3 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
--------------------	------

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
Shinsonic	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
Philips	0618
ReplayTV	0614, 0616

Sonic Blue	0616, 0614
Sony	0636
Tivo	0636, 0618

Setup Codes for Satellite Receivers

AlphaStar	0772
DirecTV	0392, 0566, 0639, 0247, 0749, 1749, 0724, 0819, 1856
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	0749, 1749
JVC	0775
Magnavox	0724, 0722
Memorex	0724

Mitsubishi	0749
Motorola	0869
Next Level	0869
Panasonic	0247, 0701
Paysat	0724
Philips	0749, 1749, 0724, 0722
Proscan	0392, 0566
RadioShack	0869
RCA	0392, 0566, 0855, 0143
Samsung	1276
SKY	0856
Sony	0639, 1639
Star Choice	0869
Toshiba	0749, 1749, 0790, 1285
UltimateTV	0392, 0639
Uniden	0724, 0722
Zenith	0856, 1856

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

Echostar	1005
Expressvu	0775
Proscan	0392

RCA	0392
Sony	0639

Setup Codes for TVs

AOC	0030
Admiral	0093, 0463
Advent	0761, 0842
Aiko	0092
Akai	0702, 0030, 0672, 0812
Alfide	0672
America Action	0180
Anam	0180
Apex Digital	0748, 0765, 0767
Audiovox	0451, 0180, 0092, 0623
Baysonic	0180
Bell & Howell	0154
Bradford	0180
Broksonic	0236, 0463
CXC	0180
Candle	0030
Carnivale	0030
Carver	0054
Celebrity	0000
Celera	0765
Changhong	0765
Cineral	0451, 0092
Citizen	0060, 0030, 0092
Clarion	0180
Contec	0180
Craig	0180
Crosley	0054
Crown	0180, 0672

Crown Mustang	0672
Curtis Mathes	0047, 0054, 0154, 0451, 0093, 0060, 0702, 0030, 0145, 0166, 1147, 1347
Daewoo	0451, 1661, 0092, 0672, 0623
Denon	0145
Dumont	0017
Durabrand	0178, 0180
Electroband	0000
Emerson	0154, 0236, 0463, 0180, 0178, 0171, 0623
Envision	0030
Fisher	0154
Fujitsu	0683, 0809
Funai	0180, 0171
Futuretech	0180
GE	0047, 0051, 0451, 0178, 1147, 1347
Gateway	1755, 1756
Gibraltar	0017, 0030
GoldStar	0030, 0178
Gradiente	0053
Grundig	0672
Grunpy	0180
Hallmark	0178
Harman/Kardon	0054
Harvard	0180
Havermy	0093
Hello Kitty	0451

Hitachi	0145, 1145
Infinity	0054
Inteq	0017
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

continued on next page...

MANUFACTURER'S CODES

Setup Codes For TV/VCR Combos, continued

MGA	0240
Mitsubishi	0807
Optimus	0162
Orion	1479, 0479
Panasonic	0162, 1035
Penney	0240, 1035, 1237
Quasar	0162, 1035
RadioShack	0000
RCA	0240, 0807, 1060, 1035
Samsung	1014

Sansui	0000, 1479, 0479
Sanyo	0240
Sears	0000, 1237
Sony	0000, 1232
Sylvania	1781
Symphonic	0000
Thomas	0000
Toshiba	1145, 0845
Zenith	0000, 1479, 0479

Setup Codes For TV/VCR/DVD Player Combos

Sharp	0807
-------	------

Setup Codes For VCRs

ABS	1972
Admiral	0048, 0209
Adventura	0000
Aiko	0278
Aiwa	0037, 0000
Akai	0041
Alienware	1972
America Action	0278
American High	0035
Asha	0240
Audiovox	0037, 0278
Beaumarck	0240
Bell & Howell	0104
Broksonic	0184, 0121, 0209, 1479, 0479
Calix	0037
Canon	0035
Carver	0081
CCE	0072, 0278
Citizen	0037, 0278, 1278
Colt	0072
Craig	0037, 0047, 0240, 0072
Curtis Mathes	0060, 0035, 0162, 0041, 1035
Cybernex	0240
CyberPower	1972
Daewoo	0045, 0278, 1278
Denon	0042
Durabrand	0038, 0039
Dynatech	0000
Electrohome	0037
Electroponic	0037
Emerex	0032
Emerson	0037, 0184, 0000, 0121, 0043, 0209, 0278, 0479, 1479, 1278
Fisher	0047, 0104
Fuji	0035, 0033
Funai	0000
Garrard	0000
Gateway	1972
GE	0060, 0035, 0240, 0807, 1060, 1035
Go Video	0432
GoldStar	0037, 0038, 1237
Gradiente	0000

Harley Davidson	0000
Harman/Kardon	0081, 0038
Harwood	0072
Hewlett Packard	1972
HI-Q	0047
Hitachi	0000, 0042, 0041
Hughes Network Systems	0042
iBUYPOWER	1972
Jensen	0041
JVC	0067, 0041
KEC	0037, 0278
Kenwood	0067, 0041, 0038
KLH	0072
Kodak	0035, 0037
Lloyd's	0000
Logik	0072
LXI	0037
Magnasonic	1278
Magnavox	0035, 0039, 0081, 0000, 1781
Magnin	0240
Marantz	0035, 0081
Marta	0037
Matsushita	0035, 0162
Media Center PC	1972
MEI	0035
Memorex	0035, 0162, 0037, 0048, 0039, 0047, 0240, 0000, 0104, 0209, 0479, 1237
MGA	0240, 0043
MGN Technology	0240
Microsoft	1972
Mind	1972
Minolta	0042
Mitsubishi	0067, 0043, 0807
Motorola	0035, 0048
MTC	0240, 0000
Multitech	0000, 0072
NEC	0104, 0067, 0041, 0038
Nikko	0037
Noblex	0240
Northgate	1972
Olympus	0035

Optimus	1062,0162,0037,0048,0104,0432
Orion	0184,0209,1479,0479
Panasonic	1062,0035,0162,1035,0616
Penney	0035,0037,0240,0042,0038,1035,1237
Pentax	0042
Philco	0035
Philips	0035,0081,0618
Pilot	0037
Pioneer	0067
Polk Audio	0081
Profitronic	0240
Proscan	0060,1060
Protec	0072
Pulsar	0039
Quasar	0035,0162,1035
RadioShack	0000
Radix	0037
Randex	0037
RCA	0060,0240,0042,1035,0880,0807,1060
Realistic	0035,0037,0048,0047,0000,0104
ReplayTV	0616,0614
Runco	0039
Samsung	0240,0045,1014
Sanky	0048,0039
Sansui	0000,0067,0209,0041,1479,0479
Sanyo	0047,0240,0104
Scott	0184,0045,0121,0043
Sears	0035,0037,0047,0000,0042,0104,1237
Sharp	0048,0807
Shintom	0072

Shogun	0240
Singer	0072
Sonic Blue	0614,0616
Sony	0035,0032,0033,0000,1232,0636
STS	0042
Sylvania	0035,0081,0000,0043,1781
Symphonic	0000
Tagar Systems	1972
Tatung	0041
Teac	0000,0041
Technics	0035,0162
Teknika	0035,0037,0000
Thomas	0000
Tivo	0636,0618
TMK	0240
Toshiba	0045,0043,1145,0845
Totevision	0037,0240
Touch	1972
Unitech	0240
Vector	0045
Vector Research	0038
Video Concepts	0045
Videomagic	0037
Videosonic	0240
Viewsonic	1972
Villain	0000
Wards	0060,0035,0048,0047,0081,0240,0000,0042,0072
White Westinghouse	0209,0072
XR-1000	0035,0000,0072
Yamaha	0038
Zenith	0039,0033,0000,0209,1479,0479
ZT Group	1972