

**ONE
FOR ALL**

UNIVERSAL REMOTE CONTROL

REPLACES

4

REMOTES

**TV
DVD
VCR/PVR
CBL/SAT**

**EASY SETUP
DIGITAL
READY*
FAVORITE
CHANNEL
MASTER
POWER KEY***

**LIMITED
LIFETIME
WARRANTY**

*See back for details

URC 4021

USES 2 AAA BATTERIES
(NOT INCLUDED)

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INTRODUCTION

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:

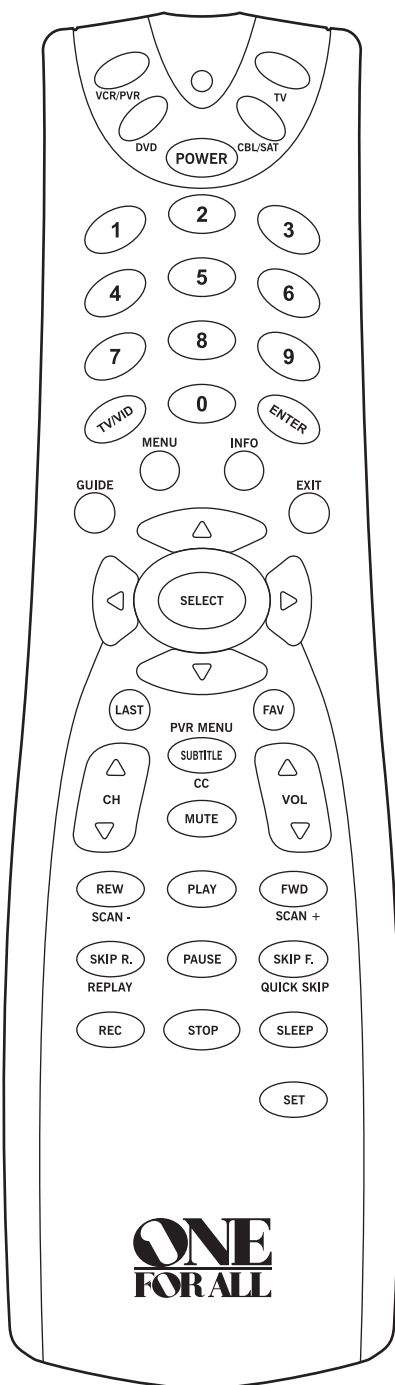
- Intuitive buttons to allow easy access to functions and menus on your DVD player, PVR (or DVR), and Cable/Satellite devices
- Direct code setup for easy device programming
- *Step-and-Set* code search and *Code Verification* for an alternate way to program devices
- *Power Macro* for master on/off 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.

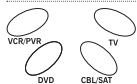
To find out what type of devices can be controlled by each device key after programming, see the *Device Table* on page 6.



Key Charts



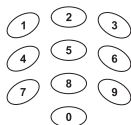
When the **LED** (red light) blinks, the remote control is working and (after programming) is sending signals.



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.



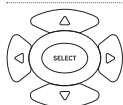
Press **MENU** once to display your selected device's main menu.



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.

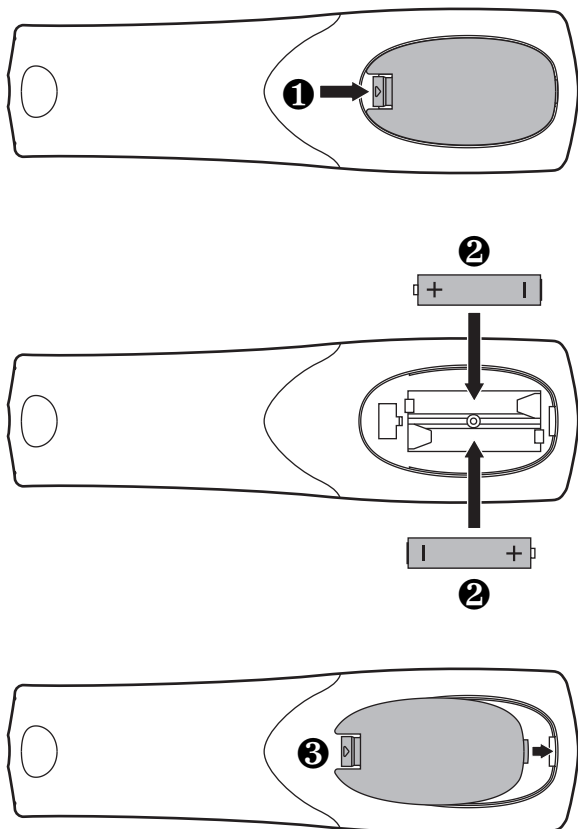
Device Table

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"> • DVD Player • TV/DVD Player Combo • VCR/DVD Player Combo
 VCR/PVR	<ul style="list-style-type: none"> • VCR • TV/VCR Combo • TV/VCR/DVD Player Combo • VCR/DVD Player Combo • PVR (or DVR)
 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.

Battery Precautions: Do not mix old and new batteries. • Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickelcadmium) batteries. • Always remove old, weak or worn-out batteries promptly and recycle or dispose of them in accordance with Local and National Regulations.

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)

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

1. 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.
2. Press and and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.
3. Enter **9 - 9 - 3** and then press **VOL ▼** once. The **LED** will blink four times.

4. If desired, repeat steps 1 through 3 (of this section) for each device that you want volume to be unlocked.
5. 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/PPV mode, etc.).

1. 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

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

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

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 13 to lock/unlock volume.

For additional information:

- Internet: <http://www.oneforall.com>

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.

LIMITED LIFETIME WARRANTY

Audiovox Electronics Corporation (the "Company") warrants to you the original retail purchaser of this product that should it, under normal use and conditions, be proven defective in material or workmanship during its lifetime while you own it, such defect(s) will be repaired or replaced (at the Company's option) without charge for parts and repair labor. To obtain repair or replacement within the terms of this Warranty, the product is to be delivered with proof of warranty coverage (e.g. dated bill of sale), specification of defect(s), transportation prepaid, to the Company at the address shown below. This Warranty does not cover product purchased, serviced or used outside the United States or Canada. This Warranty is not transferable and does not extend to costs incurred for installation, removal or reinstallation of the product. This Warranty does not apply if in the Company's opinion, the product has been damaged through alteration, improper installation, mishandling, misuse, neglect, accident, or the simultaneous use of different battery types (e.g. alkaline, standard or rechargeable).

THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

This Warranty is in lieu of all other express warranties or liabilities. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE SHALL BE LIMITED TO DURATION OF THIS WARRANTY. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY-CONSEQUENTIAL OR INCIDENTAL DAMAGES WHATSOEVER. No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product. Some states/provinces do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights, which vary from state/province to state/province. U.S.A.:

Audiovox Electronics Corporation, 150 Marcus Blvd., Hauppauge, New York 11788
CANADA: Audiovox Return Center, c/o Genco, 6685 Kennedy Road, Unit 3, Door 16, Mississauga, Ontario L5T 3A5

ADDITIONAL INFORMATION

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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 [CÓDIGOS DEL FABRICANTE]

Setup Codes for Cable Boxes

[Códigos de configuración para cajas (convertidores) de cable]

ABC	0003, 0008
Americast	0899
Bell South	0899
Digeo	1187
General Instrument	0003, 0276
Jerrold	0003, 0276
Memorex	0000
Motorola	0276, 1187, 1376
Pace	0008, 1877
Panasonic	0000
Paragon	0000
Pioneer	0533, 1877

Pulsar	0000
Quasar	0000
Runco	0000
Scientific Atlanta	0008, 1877
Starcom	0003
Supercable	0276
Torx	0003
Toshiba	0000
Zenith	0000, 0899

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

[Códigos de configuración para equipo combinado de cable/PVR (o DVR)]

Americast	0899
Digeo	1187
Motorola	1376, 1187
Pace	1877

Pioneer	1877
Scientific Atlanta	1877
Supercable	0276
Zenith	0899

Setup Codes for DVD Players

[Códigos de configuración para reproductores de DVD]

Akai	0695, 0899
Alco	0790
Apex Digital	0672, 0717, 0755, 0794, 0796, 0830, 1020, 1056, 1061
Audiovox	0790
Blaupunkt	0717
Blue Parade	0571
Broksonic	0695
California Audio Labs	0490
Denon	0490
Diamond Vision	1316, 1609, 1610
Disney	0675
Durabrand	1127
DVD2000	0521
Emerson	0675, 0821, 1268
Funai	0675, 1268
Gateway	073
GE	0522, 0717
Go Video	0741, 0744, 1044, 1075
GoldStar	0741
Gradiente	0490
Greenhill	0717
Grundig	0539
Hitachi	0573
Hiteker	0672
iLo	1348, 1472
Initial	0717, 1472
Insignia	1830
Integra	0571, 0627
JVC	0558, 0623, 0867, 1164
Kawasaki	0790
Kenwood	0490

KLH	0717, 0790, 1020
Lennox	1127, 1938
LG	0741
Magnavox	0503, 0539, 0646, 0675, 0821, 1268
Marantz	0539
Memorex	0695
Microsoft	0522
Mintek	0717, 1472
Mitsubishi	0521, 1521
NAD	0741
Nesa	0717
NexxTech	1830
Norcent	1830
Onkyo	0503, 0627
Panasonic	0490, 0503, 0703, 1362, 1462, 1490, 1762
Philips	0503, 0539, 0646, 0675
Pioneer	0525, 0571
Polaroid	1020, 1061, 1316
Polk Audio	0539
Presidian	0675
Proceed	0672
Proscan	0522
RCA	0522, 0571, 0717, 0790, 0822, 1022, 1132
Regent	1938
Rotel	0623
Samsung	0490, 0573, 0744, 0820, 0899, 1044, 1075
Sansui	0695

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MANUFACTURER'S CODES [CÓDIGOS DEL FABRICANTE]

Setup Codes for DVD Players

[Códigos de configuración para reproductores de DVD]

Sanyo	0695
Sharp	0630, 0675
Shinsonic	0533
Sony	0533, 0864, 1033, 1431
Superscan	0821
Sylvania	0675, 0821, 1268
Symphonic	0675, 1268
Teac	0790

Technics	0490, 0703
Theta Digital	0571
Toshiba	0503, 0695, 1045, 1154
Urban Concepts	0503
Venturer	0790
Xbox	0522
Yamaha	0490, 0539
Zenith	0503, 0741

Setup Codes For DVD Player/VCR Combos

[Códigos de configuración para equipo combinado de DVD/VCRs]

Apex Digital	1061
Broksonic	0695
Emerson	0675
Funai	0675
Go Video	0741, 0744, 1044, 1075
GoldStar	0741
JVC	0867, 1164
LG	0741
Memorex	0695
Panasonic	1762
Philips	0675

Polaroid	1061
Presidian	0675
RCA	0522, 0822
Samsung	0820, 1044, 1075
Sansui	0695
Sharp	0630
Sony	0864, 1033, 1431
Sylvania	0675
Symphonic	0675
Toshiba	0503
Zenith	0741

Setup Codes for PVRs (or DVRs)

[Códigos de configuración para PVR (o DVR) (Videograbadoras Personales Digitales en Disco Duro)]

ABS	1972
Alienware	1972
CyberPower	1972
Dell	1972
DirecTV	0739
Gateway	1972
Hewlett Packard	1972
Howard Computers	1972
HP	1972
Hughes Network Systems	0739
Humax	0739
Hush	1972
iBUYPOWER	1972
Linksys	1972
Media Center PC	1972
Microsoft	1972
Mind	1972

Niveus Media	1972
Northgate	1972
Panasonic	0616
Philips	0618, 0739
RCA	0880
ReplayTV	0614, 0616
Samsung	0739
Sonic Blue	0614, 0616
Sony	0636, 1972
Stack 9	1972
Systemax	1972
Tagar Systems	1972
Tivo	0618, 0636, 0739
Toshiba	1008, 1972
Touch	1972
Viewsonic	1972
Voodoo	1972
ZT Group	1972

Setup Codes for Satellite Receivers

[Códigos de configuración para receptores de satélite]

DirecTV	1377, 0099, 0247, 0392, 0566, 0639, 0724, 0749, 0819, 1076, 1108, 1142, 1392, 1442, 1609, 1639, 1640, 1749, 1856
Dish Network	0775
Dish Network System	0775, 1005, 1505, 1775
Dishpro	0775, 1005, 1505, 1775

Echostar	0775, 1005, 1505, 1775
Expressvu	0775, 1775
GE	0392, 0566
General Instrument	0869
GOI	0775, 1775
Hisense	1535
Hitachi	0819

HTS	0775, 1775
Hughes	0749, 1442, 1749
Hughes Network Systems	0749, 1142, 1442, 1749
iLo	1535
Jerrold	0869
JVC	0775, 1775
Magnavox	0724
Memorex	0724
Mitsubishi	0749
Motorola	0856, 0869
Next Level	0869
Panasonic	0247, 0701
Paysat	0724
Philips	0099, 0724, 0749, 0819, 1076, 1142, 1442, 1749
Pioneer	1442

Proscan	0392, 0566
Proton	1535
RadioShack	0869
RCA	0392, 0566, 0855, 1392
Samsung	1108, 1142, 1276, 1377, 1442, 1609
Sony	0639, 1639, 1640
Star Choice	0869
Tivo	1142, 1442
Toshiba	0749, 0790, 0819, 1285, 1749
UltimateTV	1392, 1640
Uniden	0724
US Digital	1535
USDTV	1535
Voom	0869
Zenith	1856

Setup Codes for Satellite Receiver/PVR (or DVR) Combos [Códigos de configuración para equipo combinado de receptores de satélite/PVR (o DVR)]

DirecTV	1377, 0099, 0392, 0639, 1076, 1142, 1392, 1442, 1640
Dish Network System	0775, 1505
Dishpro	0775, 1505
Echostar	0775, 1505
Expressvu	0775
Hughes Network Systems	1142, 1442

Motorola	0869
Philips	1142, 1442
Proscan	0392
RCA	1392
Samsung	1442
Sony	0639, 1640
Star Choice	0869

Setup Codes for TVs [Códigos de configuración para TVs]

Admiral	0093, 0463
Advent	0761, 0783, 0815, 0817, 0842
Aiko	0092
Akai	0030, 0060, 0672, 0702, 0812
America Action	0180
Anam	0180
AOC	0030
Apex Digital	0156, 0748, 0765, 0767, 0879
Audiovox	0092, 0180, 0451
Aventura	0171
Bell & Howell	0154
Bradford	0180
Broksonic	0180, 0236, 0463
Candle	0030
Carnivale	0030
Carver	0054
Celebrity	0000
Celera	0765
Changhong	0765
Citizen	0030, 0060, 0092
Clarion	0180
Commercial Solutions	0047
Contec	0180
Craig	0180
Crosley	0054
Crown	0180
Curtis Mathes	0030, 0047, 0054, 0060, 0093, 0145, 0154, 0166, 0451, 0702
CXC	0180
Daewoo	0092, 0451, 0672, 1661

Denon	0145
Diamond Vision	1996, 1997
Dumont	0017
Durabrand	0171, 0178, 0180, 0463, 1034
Dwin	0093
Electroband	0000
Electrograph	1755
Emerson	0154, 0171, 0178, 0180, 0236, 0451, 0463, 1944, 1963
Envision	0030
ESA	0171, 0812
Fisher	0154
Funai	0171, 0180
Futuretech	0180
Gateway	1755, 1756
GE	0047, 0051, 0178, 0451
Gibraltar	0017, 0030
GoldStar	0030, 0178
Grunpy	0180
Haier	1034
Hallmark	0178
Harman/Kardon	0054
Harvard	0180
Havermy	0093
Hello Kitty	0451
Hisense	0748
Hitachi	0145
iLo	1286

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MANUFACTURER'S CODES [CÓDIGOS DEL FABRICANTE]

Setup Codes for TVs

[Códigos de configuración para TVs]

Infinity	0054	Pulsar	0017
Insignia	1204	Quasar	0051, 0250
Inteq	0017	RadioShack	0030, 0047, 0154, 0178, 0180
JBL	0054	RCA	0047, 0090, 0679
JCB	0000	Realistic	0030, 0154, 0178, 0180
Jensen	0761, 0815, 0817	Runco	0017, 0030
JVC	0053	Sampo	0030, 1755
KEC	0180	Samsung	0030, 0060, 0178, 0702, 0812
Kenwood	0030	Sansui	0463
KLH	0765, 0767	Sanyo	0154
KTV	0030, 0180	Scotch	0178
LG	0178, 1265	Scott	0178, 0180, 0236
LXI	0047, 0054, 0154, 0156, 0178	Sears	0047, 0054, 0154, 0156, 0171, 0178
Magnavox	0030, 0054, 1944, 1963	Sharp	0093
Marantz	0030, 0054	Sheng Chia	0093
Matsushita	0250	Sony	0000
Maxent	1755	Soundesign	0178, 0180
Megatron	0145, 0178	Squareview	0171
Memorex	0150, 0154, 0178, 0463	SSS	0180
MGA	0030, 0150, 0178	Starlite	0180
Midland	0017, 0047, 0051	Superscan	0093
Mitsubishi	0093, 0150, 0178, 1250	Supreme	0000
Motorola	0093	SVA	0748
MTC	0030, 0060	Sylvania	0030, 0054, 0171, 1944, 1963
Multitech	0180	Symphonic	0171, 0180
NAD	0156, 0178	Tandy	0093
NEC	0030	Tatung	1286, 1756
NetTV	1755	Technics	0051, 0250
Nikko	0030, 0092, 0178	Techwood	0051
Norcent	0748	Teknika	0054, 0060, 0092, 0150, 0180
Norwood Micro	1286	Telefunken	0702
NTC	0092	TMK	0178
Onwa	0180	TNCi	0017
Optimus	0154, 0166, 0250	Toshiba	0060, 0154, 0156, 1265
Optonica	0093	TVS	0463
Orion	0236, 0463	US Logic	1286
Panasonic	0051, 0250	Vector Research	0030
Penney	0030, 0047, 0051, 0060, 0156, 0178	Victor	0053
Philco	0030, 0054	Vidikron	0054
Philips	0054	Vidtech	0178
Pilot	0030	Viewsonic	1755
Pioneer	0166, 0679	Vizio	1756
Polaroid	0765	Wards	0030, 0054, 0178
Portland	0092	Waycon	0156
Prima	0761, 0783, 0815, 0817	Westinghouse	0000, 0451
Prism	0051	White Westinghouse	0463
Proscan	0047	Yamaha	0030
Proton	0178	Zenith	0017, 0092, 0178, 0463, 1265

Setup Codes For TV/DVD Player Combos

[Códigos de configuración para equipo combinado de TV/DVDs]

Akai	0695	Diamond Vision	1610
Apex Digital	0830	Emerson	0675, 1268
Broksonic	0695	iLo	1472

Initial	1472
Magnavox	1268
Mintek	1472
Panasonic	1490
RCA	1022

Samsung	0899
Sansui	0695
Sylvania	0675, 1268
Toshiba	0695

Setup Codes For TV/VCR Combos

[Códigos de configuración para equipo combinado de TV/VCRs]

Broksonic	1479
Citizen	1278
Colt	0072
Daewoo	1278
Emerson	0593, 1278, 1479
Funai	0000
GE	0240, 0807
GoldStar	1237
Harley Davidson	0000
Hitachi	0000
Lloyd's	0000
Magnasonic	0593, 1278
Magnavox	0000, 0593
Magnin	0240
Memorex	0162, 1237
MGA	0240
Mitsubishi	0807

Optimus	0162, 0593
Orion	1479
Panasonic	0162
Penney	0240, 1237
Quasar	0162
RadioShack	0000
RCA	0240, 0807
Samsung	1014
Sansui	0000, 1479
Sanyo	0240
Sears	0000, 1237
Sony	0000, 1232
Symphonic	0000, 0593
Thomas	0000
Toshiba	0845, 1145
Zenith	0000, 1479 0000, 1479, 0479

Setup Codes For TV/VCR/DVD Player Combos

[Códigos de configuración para equipo combinado de TV/VCR/DVD]

Akai	0899
Diamond Vision	1609
Emerson	0821
Magnavox	0821
Panasonic	1362, 1462

RCA	1132
Sharp	0630
Superscan	0821
Sylvania	0821
Toshiba	1045

Setup Codes For VCRs

[Códigos de configuración para VCRs]

ABS	1972
Admiral	0048, 0209
Adventura	0000
Aiwa	0000, 0037
Alienware	1972
American High	0035
Asha	0240
Audiovox	0037
Beaumont	0240
Bell & Howell	0104
Broksonic	0121, 0184, 0209, 1479
Calix	0037
Canon	0035
Carver	0081
CCE	0072
Citizen	0037, 1278
Colt	0072
Craig	0037, 0047, 0072, 0240
Curtis Mathes	0035, 0060, 0162
Cybernex	0240
CyberPower	1972
Daewoo	0045, 1278
Dell	1972
Denon	0042

DirecTV	0739
Durabrand	0039
Dynatech	0000
Electrohome	0037, 0043
Electroponic	0037
Emerex	0032
Emerson	0000, 0037, 0043, 0121, 0184, 0209, 0593, 1278, 1479, 1593
Fisher	0047, 0104
Fuji	0035
Funai	0000, 0593, 1593
Garrard	0000
Gateway	1972
GE	0035, 0060, 0240, 0807
Go Video	0240
GoldStar	0037, 1237
Gradiente	0000
Harley Davidson	0000
Harman/Kardon	0081
Harwood	0072
Hewlett Packard	1972
HI-Q	0047

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MANUFACTURER'S CODES

[CÓDIGOS DEL FABRICANTE]

Setup Codes For VCRs, continued

[Códigos de configuración para VCRs, continuación]

Hitachi	0000, 0042	Protec	0072
Howard Computers	1972	Pulsar	0039
HP	1972	Quasar	0035, 0162
Hughes Network Systems	0042, 0739	RadioShack	0000
Humax	0739	Radix	0037
Hush	1972	Randex	0037
iBUYPOWER	1972	RCA	0042, 0060, 0240, 0807, 0880
JVC	0067	Realistic	0000, 0035, 0037, 0047, 0048, 0104
KEC	0037	ReplayTV	0614, 0616
Kenwood	0067	Ricavision	1972
KLH	0072	Runco	0039
Kodak	0035, 0037	Samsung	0045, 0240, 0739, 1014
Linksys	1972	Sanky	0039, 0048
Lloyd's	0000	Sansui	0000, 0067, 0209, 1479
Logik	0072	Sanyo	0047, 0104, 0240
LXI	0037	Scott	0043, 0045, 0121, 0184
Magnasonic	0593, 1278	Sears	0000, 0035, 0037, 0042, 0047, 0104, 1237
Magnavox	0000, 0035, 0039, 0081, 0593	Sharp	0048, 0807
Magnin	0240	Shintom	0072
Marantz	0035, 0081	Shogun	0240
Marta	0037	Singer	0072
Matsushita	0035, 0162	Sonic Blue	0614, 0616
Media Center PC	1972	Sony	0000, 0032, 0035, 0636, 1232, 1972
MEI	0035	Stack 9	1972
Memorex	0000, 0035, 0037, 0039, 0047, 0048, 0104, 0162, 0209, 0240, 1237	STS	0042
MGA	0043, 0240	Sylvania	0000, 0035, 0043, 0081, 0593, 1593
MGN Technology	0240	Symphonic	0000, 0593, 1593
Microsoft	1972	Systemax	1972
Mind	1972	Tagar Systems	1972
Minolta	0042	Teac	0000
Mitsubishi	0043, 0067, 0807	Technics	0035, 0162
Motorola	0035, 0048	Teknika	0000, 0035, 0037
MTC	0000, 0240	Thomas	0000
Multitech	0000, 0072	Tivo	0618, 0636, 0739
NEC	0067, 0104	TMK	0240
Nikko	0037	Toshiba	0043, 0045, 0209, 0845, 1008, 1145, 1972, 1503
Niveus Media	1972	Totevision	0037, 0240
Noblex	0240	Touch	1972
Northgate	1972	Unitech	0240
Olympus	0035	Vector	0045
Optimus	0037, 0048, 0104, 0162, 0593, 1062	Video Concepts	0045
Orion	0184, 0209, 1479	Videomagic	0037
Panasonic	0035, 0162, 0616, 1062	Videosonic	0240
Penney	0035, 0037, 0042, 0240, 1237	Viewsonic	1972
Pentax	0042	Villain	0000
Philco	0035	Voodoo	1972
Philips	0035, 0081, 0618, 0739	Wards	0000, 0035, 0042, 0047, 0048, 0060, 0072, 0081, 0240
Pilot	0037	White Westinghouse	0072, 0209
Pioneer	0067	XR-1000	0000, 0035, 0072
Polk Audio	0081	Zenith	0000, 0039, 0209, 1479
Presidian	1593	ZT Group	1972
Profitronic	0240		
Proscan	0060		