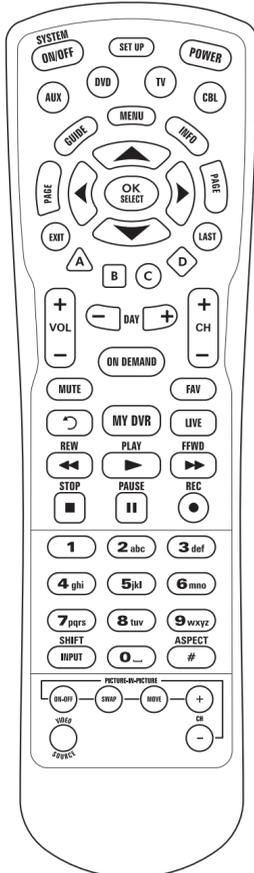




Charter OCAP 4-Device Remote Control



Universal Electronics, Inc.
www.urcsupport.com

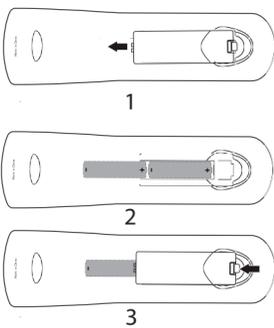
INTRODUCTION

The C4000 Remote Control by Universal Electronics is our latest generation universal remote control. Their sophisticated technology allows you to consolidate up to four of your original home entertainment remote controls into one easy-to-use product. Please follow the instructions detailed in this manual to set up the unit and then start enjoying your new remote control and cable service.

INSTALLING BATTERIES

- 1. On the back of the remote control, push the tab and lift off the battery cover.
2. Locate the two (2) enclosed AA batteries. Match the + and - marks with those in the battery case, then insert them.
3. Align the cover's keys with the case's holes and press the 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) blinks once.

NOTE: When batteries need replacement, the remote control ceases to operate. Replace the batteries and the unit will be restored to its full functionality, complete with your favorite settings.



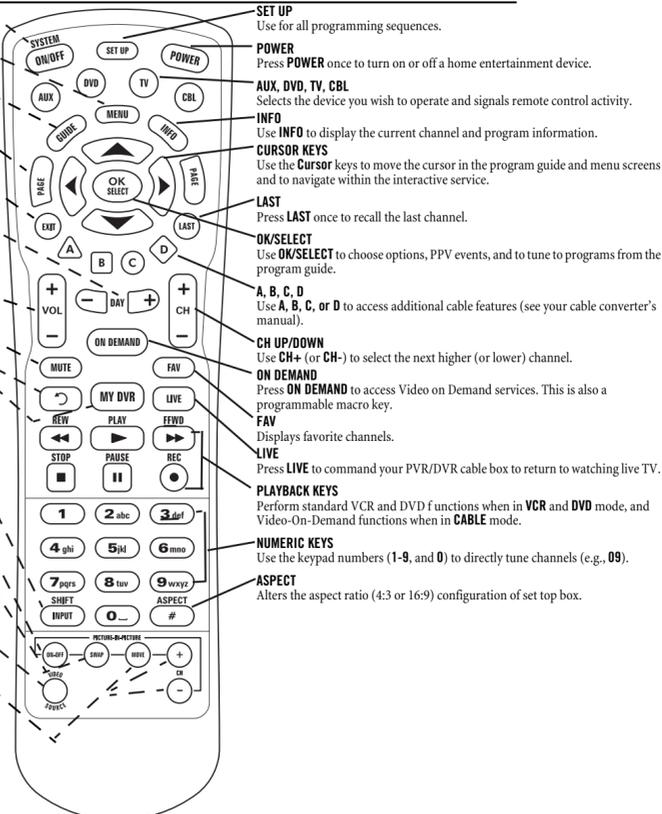
PROGRAMMING DEVICE CONTROL

The C4000 Remote Control is preprogrammed to operate the cable box (converter) provided by your cable system, an RCA TV, a Toshiba DVD player, and a Pioneer audio receiver. To control devices other than the default brands, perform the following steps; otherwise skip this section.

NOTES: For control of a Combo device (for example, a TV/VCR combo), skip this section and perform the instructions on "Setting Up a Combo Unit". Also refer to "Function Key Chart" on this page to find out which devices can be programmed onto each device key.

FUNCTION KEY CHART

System ON/OFF - Use SYSTEM ON/OFF to control the Master Power macro.
MENU - Displays the Applications menu.
GUIDE - Displays the on-screen program guide.
PAGE UP/DOWN - Use PAGE+ (or PAGE-) to page up (or page down) through menu screens and the program guide.
EXIT - Used to exit menus, guides, and on-screen applications.
DAY +/- - Skip forward or backward one day in the program guide.
VOL +/- - Raises and lowers audio levels.
MUTE - Press MUTE once to turn the sound off or on.
REW - Replay the previous 15 seconds of a program.
MY DVR - Displays a list of programs you have recorded.
INPUT - Press SHIFT to access additional cable features. In TV, DVD, AUX use INPUT to cycle through the available inputs on the selected device.
PIP-ON/OFF - Use PIP ON-OFF to switch the Picture-In-Picture feature on or off.
PIP SWAP - Use PIP SWAP to switch images and sound between the main and window pictures.
VIDEO SOURCE - Use to select the video source options on your cable converter.
PIP MOVE, PIP +/- - Use PIP MOVE to move the window picture to different positions in the main picture. Use PIP CH+ (or CH-) to select the next higher (or lower) PIP channel.



- 1. Turn on a device and, if applicable, insert video media.
2. On the remote control, press a device key once.
3. Use the "Setup Codes for Televisions" on page 2 to locate the type of device and brand name and then enter the first five-digit code for your device.
NOTE: If the selected mode key emits a long blink, the entry is invalid. Repeat steps 2 through 3 and try entering the same code again.
4. Aim the remote control at the device and press POWER once.

NOTE: In the search mode, the remote control sends IR codes from its library to the selected device, starting with the most popular code first. Press POWER. The TV should turn on, then press SET UP to lock in the code.
NOTE: If the TV does not turn on during step 6, then slowly press and release CH- to go back through the codes, then press SET UP when the TV turns on.
7. To search for the codes of your other devices, repeat steps 1 through 5, but substitute the appropriate key (e.g., AUX, DVD, CBL, or STB) for the device you are searching for.

NOTE: In the search mode, the remote control sends IR codes from its library to the selected device, starting with the most popular code first. Press POWER. The TV should turn on, then press SET UP to lock in the code.
NOTE: If the TV does not turn on during step 6, then slowly press and release CH- to go back through the codes, then press SET UP when the TV turns on.
7. To search for the codes of your other devices, repeat steps 1 through 5, but substitute the appropriate key (e.g., AUX, DVD, CBL, or STB) for the device you are searching for.

NOTE: If the DVD key did not blink twice after entering the code's last digit, repeat steps 2 through 3 and try entering the same code again. If you've located a setup code that works for your combo device (for example, a TV/DVD Combo) and a separate TV code is also listed, you'll need to program this code into the remote control to access volume control (See "Programming Device Control").
4. Aim the remote control at your combo device (for example, TV/ DVD Combo) and press POWER once. The device should turn off. If it does not respond, repeat steps 2 through 3, trying each code listed for your brand until you find one that works. If it still does not respond, try searching for the code (See "Searching for Your Code").
5. For future reference, write down each working device code in the boxes below:

Device Type: DVD Code [][][][][]
Device Type: CBL Code [][][][][]
Device Type: TV Code [][][][][]
Device Type: [] Code [][][][][]

SETTING UP A COMBO UNIT
If you own a combo unit such as a TV/DVD Combo or a TV/VCR Combo, you need to follow special steps to set it up. Perform the following instructions to control combo device:
1. For a TV/DVD Combo, turn on your TV/DVD Combo and insert a DVD. (For a TV/VCR Combo, insert a videocassette).
2. On the remote control, press DVD once; it blinks once. Then press and hold SET UP until the DVD key blinks twice.
3. Use the "Setup Codes for Televisions" starting on page 2 to locate the brand name and enter the first five-digit code for your combo device (for example, TV/VCR). If you perform this procedure correctly, the DVD key blinks twice.
NOTE: If the DVD key did not blink twice after entering the code's last digit, repeat steps 2 through 3 and try entering the same code again. If you've located a setup code that works for your combo device (for example, a TV/DVD Combo) and a separate TV code is also listed, you'll need to program this code into the remote control to access volume control (See "Programming Device Control").
4. Aim the remote control at your combo device (for example, TV/ DVD Combo) and press POWER once. The device should turn off. If it does not respond, repeat steps 2 through 3, trying each code listed for your brand until you find one that works. If it still does not respond, try searching for the code (See "Searching for Your Code").
5. For future reference, write down each working device code in the boxes below:

Device Type: [] Code [][][][][]
Device Type: [] Code [][][][][]
Device Type: [] Code [][][][][]
Device Type: [] Code [][][][][]

NOTES: For control of a Combo device (for example, a TV/VCR combo), skip this section and perform the instructions on "Setting Up a Combo Unit". Also refer to "Function Key Chart" on this page to find out which devices can be programmed onto each device key.

SEARCHING FOR YOUR CODE

If your home entertainment device does not respond to the C4000 Remote Control after trying all of the codes listed for your brand, or if your brand is not listed at all, try searching for your code.
NOTE: Use the following device code digits to control a specific device:
0 = Cable (dedicated to cable only)
1 = TV
2 = DVD/VCR
3 = Audio

For example, to search for a code for your TV:
1. Turn on your TV.
2. On the remote control, press TV once; it blinks once. Then press and hold SET UP until the TV key blinks twice.
3. Enter 9 9 1. The TV key blinks twice.
4. Press 1 (the device code digit for your TV). The TV key blinks twice. Aim the remote control at the TV and press POWER once. Press and release the CH+ key continuously, then stop when the TV turns off.
5. In the search mode, the remote control sends IR codes from its library to the selected device, starting with the most popular code first. Press POWER. The TV should turn on, then press SET UP to lock in the code.
NOTE: If the TV does not turn on during step 6, then slowly press and release CH- to go back through the codes, then press SET UP when the TV turns on.
7. To search for the codes of your other devices, repeat steps 1 through 5, but substitute the appropriate key (e.g., AUX, DVD, CBL, or STB) for the device you are searching for.

NOTE: In the search mode, the remote control sends IR codes from its library to the selected device, starting with the most popular code first. Press POWER. The TV should turn on, then press SET UP to lock in the code.
NOTE: If the TV does not turn on during step 6, then slowly press and release CH- to go back through the codes, then press SET UP when the TV turns on.
7. To search for the codes of your other devices, repeat steps 1 through 5, but substitute the appropriate key (e.g., AUX, DVD, CBL, or STB) for the device you are searching for.

NOTE: In the search mode, the remote control sends IR codes from its library to the selected device, starting with the most popular code first. Press POWER. The TV should turn on, then press SET UP to lock in the code.
NOTE: If the TV does not turn on during step 6, then slowly press and release CH- to go back through the codes, then press SET UP when the TV turns on.
7. To search for the codes of your other devices, repeat steps 1 through 5, but substitute the appropriate key (e.g., AUX, DVD, CBL, or STB) for the device you are searching for.

NOTE: In the search mode, the remote control sends IR codes from its library to the selected device, starting with the most popular code first. Press POWER. The TV should turn on, then press SET UP to lock in the code.
NOTE: If the TV does not turn on during step 6, then slowly press and release CH- to go back through the codes, then press SET UP when the TV turns on.
7. To search for the codes of your other devices, repeat steps 1 through 5, but substitute the appropriate key (e.g., AUX, DVD, CBL, or STB) for the device you are searching for.

NOTE: In the search mode, the remote control sends IR codes from its library to the selected device, starting with the most popular code first. Press POWER. The TV should turn on, then press SET UP to lock in the code.
NOTE: If the TV does not turn on during step 6, then slowly press and release CH- to go back through the codes, then press SET UP when the TV turns on.
7. To search for the codes of your other devices, repeat steps 1 through 5, but substitute the appropriate key (e.g., AUX, DVD, CBL, or STB) for the device you are searching for.

NOTE: In the search mode, the remote control sends IR codes from its library to the selected device, starting with the most popular code first. Press POWER. The TV should turn on, then press SET UP to lock in the code.
NOTE: If the TV does not turn on during step 6, then slowly press and release CH- to go back through the codes, then press SET UP when the TV turns on.
7. To search for the codes of your other devices, repeat steps 1 through 5, but substitute the appropriate key (e.g., AUX, DVD, CBL, or STB) for the device you are searching for.

NOTE: In the search mode, the remote control sends IR codes from its library to the selected device, starting with the most popular code first. Press POWER. The TV should turn on, then press SET UP to lock in the code.
NOTE: If the TV does not turn on during step 6, then slowly press and release CH- to go back through the codes, then press SET UP when the TV turns on.
7. To search for the codes of your other devices, repeat steps 1 through 5, but substitute the appropriate key (e.g., AUX, DVD, CBL, or STB) for the device you are searching for.

NOTE: In the search mode, the remote control sends IR codes from its library to the selected device, starting with the most popular code first. Press POWER. The TV should turn on, then press SET UP to lock in the code.
NOTE: If the TV does not turn on during step 6, then slowly press and release CH- to go back through the codes, then press SET UP when the TV turns on.
7. To search for the codes of your other devices, repeat steps 1 through 5, but substitute the appropriate key (e.g., AUX, DVD, CBL, or STB) for the device you are searching for.

NOTE: In the search mode, the remote control sends IR codes from its library to the selected device, starting with the most popular code first. Press POWER. The TV should turn on, then press SET UP to lock in the code.
NOTE: If the TV does not turn on during step 6, then slowly press and release CH- to go back through the codes, then press SET UP when the TV turns on.
7. To search for the codes of your other devices, repeat steps 1 through 5, but substitute the appropriate key (e.g., AUX, DVD, CBL, or STB) for the device you are searching for.

NOTE: In the search mode, the remote control sends IR codes from its library to the selected device, starting with the most popular code first. Press POWER. The TV should turn on, then press SET UP to lock in the code.
NOTE: If the TV does not turn on during step 6, then slowly press and release CH- to go back through the codes, then press SET UP when the TV turns on.
7. To search for the codes of your other devices, repeat steps 1 through 5, but substitute the appropriate key (e.g., AUX, DVD, CBL, or STB) for the device you are searching for.

NOTE: In the search mode, the remote control sends IR codes from its library to the selected device, starting with the most popular code first. Press POWER. The TV should turn on, then press SET UP to lock in the code.
NOTE: If the TV does not turn on during step 6, then slowly press and release CH- to go back through the codes, then press SET UP when the TV turns on.
7. To search for the codes of your other devices, repeat steps 1 through 5, but substitute the appropriate key (e.g., AUX, DVD, CBL, or STB) for the device you are searching for.

Unlocking Volume Control for a Single Device (Individual Volume Unlock)

- 1. Assuming Global Volume Lock is active, select a mode on the remote control that you want to unlock (e.g., CBL) and press it once. Next, press and hold SET UP until the device key blinks twice.
2. Enter 9 9 3. The last-selected device key blinks twice.
3. Press VOL-. The last-selected device key blinks four times.
4. Repeat steps 1 through 3 for each device you want volume to be unlocked.
Now, after you select a device that has volume unlocked (e.g., CBL), pressing VOL+, VOL-, or MUTE, controls only that device's volume.

Unlocking All Volume Control (Global Volume Unlock)

- NOTE: Performing these instructions sets independent volume control for all programmed devices.
1. On the remote control, press and hold SET UP until the last-selected device key blinks twice.
2. Enter 9 9 3. The last-selected device key blinks twice.
3. Press VOL+. The last-selected device key blinks four times.
4. Repeat steps 1 through 3 for each device you want volume to be unlocked.
Now, after you select a device that has volume unlocked (e.g., CBL), pressing VOL+, VOL-, or MUTE, controls only that device's volume.

Locking Volume Control To One Mode (Global Volume Lock)

- 1. On the remote control, press and hold SET UP until the last-selected device key blinks twice.
2. Enter 9 9 3. The last-selected device key blinks twice.
3. Select a mode (e.g., TV or AUX) which you want to use to control the volume. The selected device key blinks twice.
Now, when you press VOL+, VOL-, or MUTE, the volume of the selected device (e.g., TV) is controlled regardless of mode.

USING THE SYSTEM ON/OFF KEY

- 1. Press SYSTEM ON/OFF once. Your devices turn on or off in the pre-programmed sequence.
NOTE: Only devices you have programmed the remote to control turn on or off sequentially. For example, if you have programmed control of your TV, but not your DVD player, SYSTEM ON/OFF does not turn your DVD player on or off.

USING KEYMOVER

The C4000 Control includes a Keymover feature that allows you to map (or copy) keys from one mode (i.e., source mode) to another mode (i.e., destination mode).
Programming Keymover
For example, if your DVD player does not have volume control, you can map those keys (i.e., VOL+, VOL-, and MUTE) from the TV mode to DVD mode as follows:
1. On the remote control, press CBL (or STB) once; it blinks once. Then press and hold SET UP until the CBL (or STB) key blinks twice.
2. Enter 9 9 4. The CBL (or STB) key blinks twice.
3. For the source mode, press a desired device key once (i.e., AUX, TV, DVD, CBL or STB). For this example, press TV once.
4. For the source key, press a key to be moved once. For this example press VOL- once.
5. For the destination mode, press a desired device key once (i.e., AUX, TV, DVD, or CBL or STB). For this example, press DVD once.
6. For the destination key, press a key to be moved once. For this example press VOL+ once.
7. Repeat steps 1 to 6 to move additional keys. For this example, repeat steps 1 to 6 two more times to map the remaining volume control keys, substituting VOL- and MUTE as source and destination keys in steps 4 and 6.

Upon completion of the above procedure, you can now use your C4000 Remote Controls to control the TV's volume and mute in the DVD mode, as well as in the TV mode.
Restoring All Keymover Keys in a Single Mode
1. On the remote control, press CBL (or STB) once; it blinks once. Then press and hold SET UP until the CBL key blinks twice.
2. Enter 9 9 4. The CBL (or STB) key blinks twice.
3. Press and release the mode key you want to clear twice. For example, to clear all Keymover keys for the TV mode, press and release TV twice.

Restoring a Single Keymover Key
1. On the remote control, press the MODE key once.
2. Press and hold SET UP until the last-selected mode key blinks twice (for example, TV).
3. Enter 9 9 4. The mode key blinks twice.
Press and release the device key twice. For example, to clear the CH+ key in TV mode, press and release CH+ twice.

Restoring a Single Keymover Key
1. On the remote control, press the MODE key once.
2. Press and hold SET UP until the last-selected mode key blinks twice (for example, TV).
3. Enter 9 9 4. The mode key blinks twice.
Press and release the device key twice. For example, to clear the CH+ key in TV mode, press and release CH+ twice.

CLEARING CUSTOM PROGRAMMING

The C4000 Remote Control contains a Custom Programming Reset program. You can use it to remove all custom programming.
IMPORTANT: Executing this programming sequence will erase all custom programmed settings such as Volume Lock, Channel Control Lock and Keymover. However, your device programming remains the same.
1. On the remote control, press and hold SET UP until the last-selected device key blinks twice.
2. Enter 9 8 0. The last-selected device key blinks twice, pauses, and blinks twice again to confirm that all custom programming is cleared.

TROUBLESHOOTING

PROBLEM: Device key does not blink when you press a key.
SOLUTION: Replace the batteries with two (2) new AA batteries (See "Installing Batteries").
PROBLEM: Device key blinks when you press a key, but home entertainment device does not respond.
SOLUTION: Make sure you are aiming the remote control at your home entertainment device and that you are within 15 feet of the device you are trying to control.
PROBLEM: The remote control does not control home entertainment devices or commands are not performing properly.
SOLUTION: Try all listed codes for the device brand being set up. Make sure all devices can be operated with an infrared remote control.
PROBLEM: TV/VCR Combo does not respond properly.
SOLUTION: Use the VCR codes for your brand. Some combo units may require both a TV code and a VCR code for full operation.
PROBLEM: No volume on a second TV.
SOLUTION: Follow instructions under "Changing Volume Lock".
PROBLEM: Remote control does not turn on Sony or Sharp TV/VCR Combo.
SOLUTION: For power on, these products require programming TV codes on the remote control. For Sony, use TV code 10000 and VCR code 20032. For Sharp, use TV code 10093 and VCR code 20048.

FCC NOTICE

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and 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 the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.
This equipment has been verified to comply with the limits for a class B computing device, pursuant to FCC Rules. In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

ADDITIONAL INFORMATION

This product does not have any user-serviceable parts. Opening the case, except for the battery cover, may cause permanent damage to your C4000 Remote Control.
For help via the Internet, visit us at: www.urcsupport.com
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US Patents 6,014,092 5,515,052 M1060 Rev C

MANUFACTURER'S CODES

Table with columns: Manufacturer, Code. Includes Charter, Cisco, Diego, Motorola, Pace, Scientific Atlanta.

Table with columns: Manufacturer, Code. Includes Admiral, Advent, Akai, Albatron, America Action, Anam, AOC, Aomni, Apex Digital, Astar, Audiovox, Aventura, Axion, BenQ, Bradford, Broksonic, Carver, Celebrity, Celera, Changhong, Citizen, Clarion, Coby, Commercial Solutions, Contec, Craig, Crosley, Crown, Curtis, Memorex.

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Table with columns: Manufacturer, Code. Includes Curtis Mathes, CXC, Daewoo, Dell, Denon, Digital Lifestyles, DirecTV, Dish Network, Disney, Dumont, Durabrand, Dynex, Electrobond, Electrograph, Electrohome, Element, Emerson, Emprex, Envision, Epson, ESA, Fujitsu, Funai, Fututerech, Gateway, GE, GFM, Gibraltar, Go Video, GoldStar, Grundig, Grunpy, Haier, Hallmark, Hanns.G, Hannspree, Harman/Kardon, Harsper, Harvard, Havermy, Helios, Hello Kitty, Hewlett Packard, Hitense, Hitachi, HP, Humax, Hyundai, iLo, Infinity, InFocus, Initial, Insignia, Inteq, iX, JBL, JCB, Jensen, JVC, KDS, KEC, KLH, KTU, LG, LXI, MAG, Magnavox, Marantz, Matsushita, Maxent, Megapower, Megatron, Memorex, MGA, Mitec, Mitsubishi, Monivision, Motorola, Moxell, MTC, Multitech, NAD, NEC, NetTV, Nexus Electronics, Nikko, Norcent, Norwood Micro, NuVision, Olevia, Onwa, Optimus, Optoma, Optonica, Orion, Panasonic, PARK, Penney, Petters, Philips, Pioneer, Planar, Polaroid, Portland, Prima, Princeton, Prism, Proscan, Proton, Prottron, Proview, Pulsar, Punect, Quasar, RadioShack, RCA, Realistic, RevolutionHD, Runco, Sampo, Samsung, Sansui, Sanyo, Sceptre, Scotch, Scott, Sears, Seleco, Sharp, Sheng Chia, Sherwood, Sole, Sony, Soundesign, Sova, Soyo, Spectroniq, Squareview, SSS, Starlite, Studio Experience, SunBrite, Superscan, Supreme, SVA, Sylvania, Symphonic, Syntax, Tandy, Tating, Technics, Techview, Techwood, Teknika, Telefunken, TMK, TNGI, Toshiba, TVS, US Logic, Venturer, Victor, Vidikron, Vidtech, Viewsonic, Viore, Vizio, Wards, Waycon, Westinghouse, Yamaha, Zenith.

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Setup Codes for Televisions (LCD)	
Coby	11538, 11634, 12306, 12314, 12315, 12338, 12340, 12344, 12345, 12348, 12350
Curtis	12352, 12466
Dell	11264, 11080, 11178, 11863
Digital Lifestyles	11765
DirecTV	11501
Dish Network	11948
Dynex	11780, 12049, 12184
Element	11687, 12183
Emerson	11864, 11394, 11963
Emprex	11422, 11546, 11765
Envision	10813, 11365, 11589, 12014, 12087
Funai	10171
GE	12359
GFM	12167
Go Video	10886
Haier	11748, 11749, 11753, 12309
Hanns-G	11783
Hannspree	11348, 11351, 11745, 11783
Harsper	11206
Hisense	11314, 11660, 12098, 12355
Hitachi	11643
Humax	11501
Hyundai	10849
iLo	11286, 11603, 11684, 11990
Initial	11603, 11990
Insignia	11564, 11204, 11517, 11710, 11780, 12002, 12049, 12417
IX	10877
JVC	11601, 11774, 12271
LG	11423, 10856, 11178, 11768, 11993, 12358, 12424
Magnavox	11866, 10802, 11198, 11365, 11990, 12372
Marantz	10855
Maxent	11755, 11714
Memorex	11670, 11892
Mintek	11603, 11990
Mitsubishi	11250
NEC	11797
Nexus Electronics	12183
Norcent	11365, 11589, 12110
Norwood Micro	11286
NuVision	11657, 12158
Olevia	11610, 11144, 11240, 11331
Panasonic	11480, 10650, 11941
PARK	12104
Petters	11523
Philips	11454, 11744, 11806, 11856, 11867, 12372
Pioneer	11260
Planar	11496
Polaroid	11523, 11276, 11341, 11498, 11538, 11687, 11766, 12063, 12119, 12120, 12121, 12425
Prima	11785
Proscan	12147, 12256
Protron	11320
Proview	11401
Punect	11546
RCA	10047, 11781, 11958, 12187, 12247, 12434
RevolutionHD	11623
Runco	11629
Sampo	11755
Samsung	10812, 10766, 10814, 12051
Sansui	11409, 11670, 11892
Sanyo	11142
Scpptre	10878, 11217, 11360, 11599
Scott	11711
Sharp	10818, 10093, 11602, 12360
Sherwood	11399
Sole	11623
Sony	10810, 11685
Sova	11520, 11546, 11826, 11828
SunBrite	11420, 12337
Superscan	10864
SV4	10870
Sylvania	11864, 10171, 11271, 11314, 11394, 11886
Symphonic	10171
Syntax	11610, 11144, 11240, 11331
Tatung	11286
Techview	10847
Toshiba	11524, 10822, 10845, 11656, 12006
TruTech	11723
US Logic	11286
Venturer	11865
Vidikron	11629
Viewsonic	10857, 10864, 10885, 11330, 11578, 11627, 11640, 11742, 12014, 12087
Viore	11684, 11811, 12104, 12352
Vizio	11758, 10864, 10885, 11756
Westinghouse	11712, 10885, 10889, 10890, 11282, 11300, 11577, 12293
Wyse	11365
Zenith	11265

Setup Codes for TV/DVD Combos Controlled by the TV	
Advent	11933
Akai	11675, 11935, 12232
Apex Digital	11991
Audiovox	11937, 11951, 11952
Axion	11937
Broksonic	11935
Citizen	11935
Coby	11538, 12315, 12340, 12343, 12344, 12347, 12350, 12351
Curtis	12466
Disney	12152
Dynex	11810, 12049, 12184
Electrohome	11670
Emerson	11864, 11394, 11963
ESA	11963
Funai	11963
GFM	11963
Haier	11753, 12309
Hitachi	11960
iLo	11990
Initial	11990
Insignia	11963, 12002, 12049, 12417

Jensen	11933
JVC	11271
LG	11423, 11993
Magnavox	11866, 11963, 11990, 12372
Maxent	11714
Memorex	11670
Mintek	11990
Panasonic	11941
Polaroid	11523, 11538, 11766, 11991, 12002
Prima	11933
Proscan	12256
RCA	11948, 11958, 12002, 12187
Samsung	11903
Sansui	11670, 11935
Sharp	10818, 12360
Sova	11952
Sylvania	11864, 11394, 11886, 11963
Toshiba	11524, 11935, 12006
TruTech	12066
Venturer	11865
Viore	11811, 12104, 12352
Westinghouse	11300

Setup Codes for TV/DVD Combos Controlled by the DVD

Akai	20143, 20695, 22439
Audiovox	21071, 21121, 21122
Axion	21071
Broksonic	20695
Citizen	20695
Coby	22538
Curtis	22660
Dynex	22255, 22388
Electrohome	21607
Emerson	20675, 22212
Go Vision	21071
Haier	22099, 22500
iLo	21472
Initial	21472
Insignia	21013, 22255, 22620
JVC	22472
LG	21526, 22485
Magnavox	21472, 22229
Memorex	21607
Mintek	21472
Panasonic	21490
Polaroid	21013, 22110, 22140
Proscan	22450
RCA	21013, 21193, 22392
Sansui	20695, 21607
Sharp	22561
Sova	21122
Sylvania	20675, 22212
Toshiba	20695, 21606
Venturer	22195
Viore	22580
Westinghouse	22513

Setup Codes for TV/VCR Combos Controlled by the TV

America Action	10180
Audiovox	10180
Emerson	10236
Setup Codes for TV/VCR Combos Controlled by the VCR	
America Action	20278
Audiovox	20278
Broksonic	20479
Emerson	20479, 20593
Funai	20000
GE	20240
Harley Davidson	20000
Hitachi	20000
LG	21037
Lloyd's	20000
Magnasonic	20593
Magnavox	20000, 20593
MGA	20240
Optimus	20162, 21037, 21262
Orion	20479
Panasonic	20162, 21262
Penney	20240
Quasar	20162
RadioShack	20000, 21037
RCA	20240
Sansui	20000, 20479
Sanyo	20240
Scars	20000
Sony	20000
Symphonic	20000, 20593
Thomas	20000
Zenith	20000, 20479

Setup Codes for Audio Amplifiers	
Anthem	32220
Cary Audio Design	31879
Denon	32134
Durabrand	31561
Electronics	31879
Halcro	31934
Harman/Kardon	30892
Krell	31837, 32463
Left Coast	30892
Lennox	31561
Lexicon	31145, 31802
Marantz	30892, 31892, 32138
Mark Levinson	32405
Opimus	30823
Parasound	31934, 32245
Philips	30892
Pioneer	30823
Polk Audio	30892, 32242
Primare	31395, 31851
RCA	30823
Rotel	30726
Thule Audio	31851
Setup Codes for Audio Accessories	
Accurian	31106
Acoustic Research	32226
Altec Lansing	30607, 31056, 32251
Apple	30176, 30376, 31176, 31276, 31331, 31375, 31376, 31476, 31815, 32061, 32455, 32467, 32471
Creative	32288

Denon	32502, 32815
DLO	31155
GPX	32113
Griffin	20641
iDeck	31106
iHome	20790
iLive	32113
Logitech	32182
Memorex	32119
Monitor Audio	31106
NaviRad	31644
Nyko	32231
Philips	32327
Polk Audio	32228
Roka	31828
Tivoli Audio	32158
Vizio	32454
Yamaha	32021, 32116, 32458

Setup Codes for Audio Receivers	
Aiwa	31405, 31388, 31641
Akai	31512
Alco	31390
AMC	31077
Amphion Media Works	31563, 31615
AMW	31563, 31615
Anam	31609, 31074
Apex Digital	31257, 31430, 31774
Arcam	31189
Audiotronic	31189
Audiovox	31390, 31627
B & K	30820, 30840
Bose	31229, 30639, 31253, 31629, 31841, 31933
Boston Acoustics	32162
Emerson	31602
Cambridge Soundworks	31370, 31477
Haier	31189
Classic	31352
Coby	31389
Criterion	31420
JVC	30797
Daewoo	31250
Delphi	31414
Demon	31360, 31142, 32279, 32857
Electrohome	32026
Fisher	31801
Gateway	31517
Proscan	22450
RCA	31532
Go Video	30891, 31304, 31306, 32241, 32443
Harman/Kardon	30891, 31304, 31306, 32241, 32443
Hitachi	31801
iHome	32435
iLive	32013
Initial	31426
Insignia	31030, 31077, 31893, 32126, 32169, 32175, 32474
Integra	31298, 31320, 31805
iSymphony	32018, 32258, 32442
JBL	31306
Jensen	30797
JVC	31282, 31374, 31495, 31643, 31811, 31871, 32040, 32161, 32239, 32331
Emerson	31306, 31412, 31428
Kenwood	31313, 31570, 31569
KLH	31390, 31412, 31428
Koss	31366, 31497
Lasonic	31798
Lennox	31437
LG	31293, 31524, 32197, 32284
Liquid Video	31497
Magnavox	31189, 31269, 31514
Marantz	31189, 31269, 31289, 32114
McIntosh	31289
MCS	30346
Mikromega	31189
Mitsubishi	31393
Myryad	31189
Nakamichi	31313
Norcent	31389
Nova	31389
Onkyo	30842, 31298, 31320, 31531, 31805, 32451
Optimus	31023, 30670, 30797, 31074
Ortron	31366, 31497
Panasonic	31308, 31518, 31275, 31288, 31316, 31509, 31548, 31633, 31763, 31764, 32221, 32452, 32967
Philips	31189, 31269, 30891, 31266, 32311, 32459
Pioneer	31023, 30630, 31384, 31935
Polaroid	31508
Sanyo	31289, 31414, 32115, 32244, 32270
Primare	32479
Sony	31254
RCA	31023, 31609, 31254, 30346, 31074, 31390, 31511, 32041
Regent	31437
Rio	31362, 31869
Saba	31519
Samsung	31295, 31304, 31500, 31868
Sangsan	31888, 32165
Sansui	30346
Sanyo	31251, 31469, 31801
Sharp	31286
Sharper Image	30797
Sherwood	31077, 31517, 31653, 31905, 32169
Left Coast	32169
Sherwood Newcastle	31426
Shinsonic	31426
Sirius	31602, 31627, 31811, 31987
Sonic Blue	31532, 31869
Sony	31759, 31058, 31441, 31258, 31622, 32522, 32330, 32216, 32172, 31858, 31822, 31758, 31658, 31558, 31503, 31406, 31382, 31151

Soundesign	30670
Stereophonics	31023
Sunfire	31313
Sylvania	30797
Teac	31074, 31390, 31528
Technics	31308, 31518
Rotel	31189
Thorens	31189
Toshiba	31788
Venturer	31390
Vizio	31517
XM	31406, 31414
Yamaha	30176, 30376, 31176, 31276, 31331, 31375, 31376, 31476, 31815, 32061, 32455, 32467, 32471

Zenith	31293, 31524
Setup Codes for DVD Players	
Accurian	20675, 21416
Aiwa	20522, 20571, 20717, 20790, 20822, 21013, 21193, 21769, 22213, 22392
Alco	20143, 20695, 20770, 21089, 22439
20869	
Rotel	20623, 21178
Rowa	20823
Sampo	20698, 20752
Samsung	20490, 20573, 20199, 20820, 21044, 21075, 21470, 22069, 22329, 22369, 22489, 22556
Sansui	20695, 21607
Sanyo	20670, 20695, 20873
Schmartz	22367
Schneider	20646
Sensory Science	21158
Sharp	20630, 20675, 20752, 21256, 21419, 22250, 22561
Sherwood	20633, 20770, 21043, 21077
Sherwood Newcastle	21077
Shinsonic	20533, 20839
Sonic Blue	20869, 21099
Sony	20533, 20864, 21033, 21070, 21431, 21516, 21536, 21633
Sova	21122
Sungale	21074
Sylvania	20675, 22212
Symphonic	20675
TAG McLaren	20894
Teac	20790
Technics	20490, 20703
Technosonic	20730
Terapin	