



RCRN05BHZ

Universal Remote Control Owner's Manual

Manual del Propietario (parte posterior)

FCC Statement:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: 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.

Caution: Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Industry Canada Regulatory Information

CAN ICES-3 (B)/NMB-3 (B)

Avis d'Industrie Canada

CAN ICES-3 (B)/NMB-3 (B)

SAVE THIS MANUAL AND THE CODE LISTS!

Remote controls can sometimes lose their programming when you change the batteries. Make sure you keep the manual and code lists in a safe place so that you can reprogram the remote if you need to.

Tip: This remote is already programmed to operate most RCA-branded TVs, DVD players, and satellite receivers. Just press the corresponding key—DVD/BLU RAY for a DVD or Blu Ray player, TV for a television, SATELLITE/CABLE for a satellite receiver.

Step 1: Install your batteries

Your universal remote requires two AAA alkaline batteries (not included).

To install the batteries:

1. Remove the battery compartment cover.
2. Insert the batteries, matching the batteries to the (+) and (-) marks inside the battery compartment.
3. Push the battery cover back into place.

Battery Precautions:

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

Battery Saver

Your universal remote control saves battery power by automatically turning off if any key is pressed for more than 60 seconds. This saves your battery life should your remote get stuck in a place where the keys remain depressed, such as between sofa cushions.

Step 2: Program your remote

To use this universal remote with your home entertainment system, first you need to program it to control your devices. There are four ways you can program the universal remote to operate your devices. Try them in the order listed.

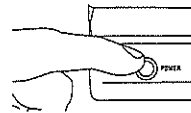
- The **Direct Code Entry** lets you enter a code from the accompanying code list for your brand of device.
- The **Brand Code Search** searches through the codes for select brands of devices.
- The **Auto Code Search** goes automatically through all the codes for the device you're trying to control.
- The **Manual Code Search** lets you manually go through all the codes for the device you're trying to control.

Direct Code Entry

Direct Code Entry lets you enter a code from the accompanying code list for your brand of device.

TIP: Each device key is associated with a type of device—the TV is preset to search for TVs, SATELLITE/CABLE for satellite receivers or cable boxes, STREAM for streaming players, DVD/BLU RAY for DVD and Blu Ray players, and AUDIO/SOUNDBAR for audio devices and soundbars. To program a device key for a different type of device, see the Changing a Key's Device Type section.

1. Manually turn on the device you want to control.

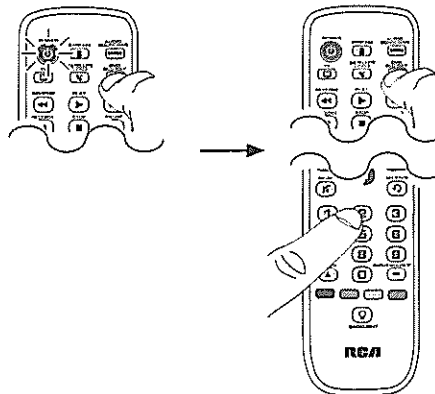


2. Find the Code List that came with the remote. Locate the section for the type of device you're trying to program, and find your brand in that section. Circle the codes for your brand and keep them handy.

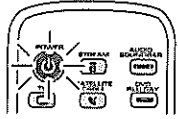


3. Press and hold the device key you want to program (the POWER key illuminates).

While you're holding down the device key, use your other hand enter the first five-digit code for your brand in the code list (the POWER key turns off after the first digit).



- When you've finished entering the five-digit code, keep holding down the device key and look at the POWER key.



Is the POWER key illuminated?

YES: You're done! You've programmed this device key.

NO, it blinked four times and turned off: You have either entered a code number that is not in the code lists or missed a step in the code entry procedure. Try step 3 again.

NOTES

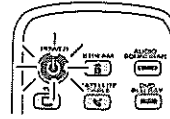
Test the remote with the device to make sure the device key is programmed with the correct code for maximum functionality. If some features don't work, try a different code in the list.

Remember to enter the code for future reference in the box provided in the Code Retrieval section of this manual.

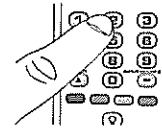
If your brand isn't listed in the code list, use one of the Code Search methods to program the remote control. (Refer to the Auto and Manual Code Search methods.)

If you release the device key any time during the Direct Code Entry procedure, the POWER key blinks four times, and the process is exited. The last programmed code under the device key is retained.

- Wait until the POWER key comes on and stays on. Then release both keys.



- Look at the numbers you circled for your device's brand code number. Press those numbers on the remote keypad.



- Point the remote directly at the front panel of the device you want to control. Press POWER on the remote and wait 2 seconds. The remote is testing a single code for your device's brand.



Did your device turn off?

YES: Press the STOP key to store the code. You're done! You've programmed this device key.

NO: Press POWER again. The remote tests the next code for your brand.

Keep pressing POWER every 2 seconds until your device turns off. When it does, press STOP.

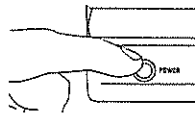
Brand Code Search

The Brand Code Search goes through only the codes for one of the select brands listed in the accompanying code list. If your brand of device is listed, this search can be very quick and easy.

TIPS: Each device key is associated with a type of device—the TV is preset to search for TVs, SATELLITE/CABLE for satellite receivers or cable boxes, STREAM for streaming players, DVD/BLU RAY for DVD and Blu Ray players, and AUDIO/SOUNDBAR for audio devices and soundbars. To program a device key for a different type of device, see the Changing a Key's Device Type section.

To exit without saving a new code at any point in the Brand Code Search, press the EXIT key.

- Manually turn on the device you want to control.

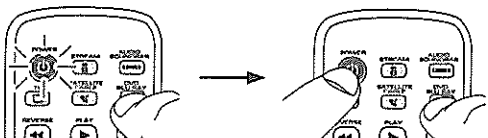


- Find your device's brand in the Brand Code list section of the accompanying code list. Circle the number for your brand and keep the list handy.



- Press and hold the device key you want to program. The POWER key illuminates.

While you're holding down the device key, use your other hand to press and hold the remote's POWER key at the same time. The POWER key turns off.



NOTES

Throughout the programming of each key, be sure to keep the remote pointed at the IR sensor of the device you are currently programming the remote to control.

Test the remote with the device to make sure the device key is programmed with the correct code for maximum functionality. If some features don't work, try a different code. See the "Testing the Code for Maximum Functionality" section below for more information.

During the Brand Code Search, the remote ignores keypresses that aren't part of the search.

The search times out after two minutes (the POWER key blinks four times and turns off, and the last programmed code under that device key is retained).

The POWER key blinks four times and turns off when the remote has gone through all the codes. The remote exits the Brand Code Search. If your device hasn't turned off yet, try a different search method.

Testing the Code for Maximum Functionality

- Try a variety of the device's functions with the remote. If some device features don't work, go to the next step to try a different code.
- Repeat the Brand Code Search from the beginning. When the device turns off for the first time, don't press the STOP key, which would store the same code. Instead, with the unit now off, continue to press the POWER key repeatedly until the unit turns back on.
- Once the unit turns back on, you have found another code that operates the device. Press the STOP key.
- Test the key's functionality again by attempting to control a variety of the device's functions. If the code that has been stored controls the majority of the device's functions, programming is complete. If the code stored does not give maximum functionality, try another code.

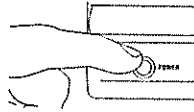
Auto Code Search

The Auto Code Search goes automatically through all the codes for the device you're trying to control. When you find the one that operates your device, you can stop the search and store that code.

TIPS: Each device key is associated with a type of device—the TV is preset to search for TVs, SATELLITE/CABLE for satellite receivers or cable boxes, STREAM for streaming players, DVD/BLU RAY for DVD and Blu Ray players, and AUDIO/SOUNDBAR for audio devices and soundbars. To program a device key for a different type of device, see the Changing a Key's Device Type section.

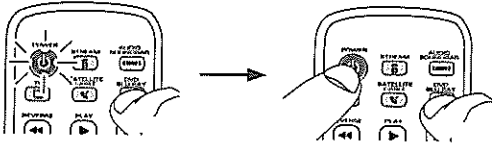
To exit without saving a new code at any point in the Auto Code Search, press the EXIT key.

1. Manually turn on the device you want to control.

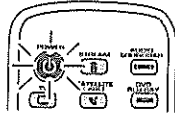


2. Press and hold the device key you want to program. The POWER key illuminates.

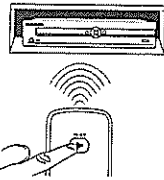
While you're holding down the device key, use your other hand to press and hold the remote's POWER key at the same time. The POWER key turns off.



3. Wait until the POWER key comes on and stays on. Then release both keys.



4. Point the remote directly at the front panel of the device you want to control. Press PLAY on the remote and wait 5 seconds. The remote is testing a batch of 10 codes on your device.



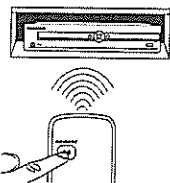
Did your device turn off?

YES: Go to step 5.

NO: Press PLAY again. The remote tests the next batch of 10 codes.

Keep pressing PLAY every 5 seconds until your device turns off.

5. When your device turns off, press the REVERSE key on the remote and wait at least 2 seconds. The remote tries the last of the previous ten codes.



Did your device turn on?

YES: Press the STOP key. You're done! You've programmed this device key.

NO: Press REVERSE again. The remote tests the next code in the batch.

Keep pressing REVERSE every 2 seconds until your device turns back on. When it does, press STOP.

Note: If you accidentally press the REVERSE key after your device turns on, press the FORWARD key. Then, wait two seconds to see if your device turns off again.

NOTES

Throughout the programming of each key, be sure to keep the remote pointed at the IR sensor of the device you are currently programming the remote to control.

Test the remote with the device to make sure the device key is programmed with the correct code for maximum functionality. If some features don't work, try a different code. See the "Testing the Code for Maximum Functionality" section below for more information.

During the Auto Code Search, the remote ignores keypresses that aren't part of the search.

The search times out after two minutes (the POWER key blinks four times and turns off, and the last programmed code under that device key is retained).

The POWER key blinks four times and turns off when the remote has gone through all the codes. The remote exits the Auto Code Search. If your device hasn't turned off yet, try a different search method.

Testing the Code for Maximum Functionality

1. Try a variety of the device's functions with the remote. If some device features don't work, go to the next step to try a different code.
2. Repeat the Auto Code Search Method from the beginning. When your device turns off, do not stop searching. Instead, with the unit now off, continue to press the PLAY key every 5 seconds until the unit turns back on.
3. Once the unit turns back on, press the REVERSE key on the remote every 2 seconds until your device turns off again. When your device turns off again, press the STOP key.
4. Test the key's functionality again by attempting to control a variety of the device's functions. If the code that has been stored controls the majority of the device's functions, programming is complete. If the code stored does not give maximum functionality, try another code.

Manual Code Search

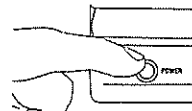
The Manual Code Search lets you go one-by-one through all the codes for the device you're trying to control. When you find the one that operates your device, you can stop the search and store that code.

TIPS: The Manual Code Search method may take a long time because the remote searches through all of the codes in its memory one-by-one. If your brand is listed in the Brand Codes or the Code Lists, first try the Brand Code Search or the Direct Code Entry method.

Each device key is associated with a type of device—the TV is preset to search for TVs, SATELLITE/CABLE for satellite receivers or cable boxes, STREAM for streaming players, DVD/BLU RAY for DVD and Blu Ray players, and AUDIO/SOUNDBAR for audio devices and soundbars. To program a device key for a different type of device, see the Changing a Key's Device Type section.

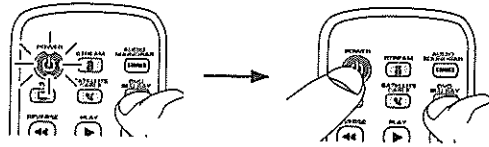
To exit without saving a new code at any point in the Manual Code Search, press the EXIT key.

1. Manually turn on the device you want to control.

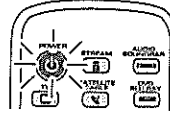


- Press and hold the device key you want to program. The POWER key illuminates

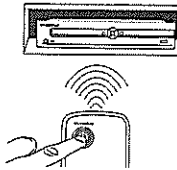
While you're holding down the device key, use your other hand to press and hold the remote's POWER key at the same time. The POWER key turns off.



- Wait until the remote's POWER key comes on and stays on. Then release both keys.



- Point the remote directly at the front panel of the device you want to control. Press POWER on the remote and wait 2 seconds. The remote is testing a single code for your device.



Did your device turn off?

YES: Press the STOP key to store the code. You're done! You've programmed this device key.

NO: Press POWER again. The remote tests the next code for your device.

Keep pressing POWER every 2 seconds until your device turns off. When it does, press STOP.

TIP: Because there are so many codes, you may have to press the POWER key many times—possibly hundreds of times.

NOTES

Throughout the programming of each key, keep the remote pointed at the IR sensor of the device you are programming the remote to control.

Test the remote with the device to make sure the device key is programmed with the correct code for maximum functionality. If some features don't work, try a different code. See the "Testing the Code for Maximum Functionality" section below for more information.

During the Manual Code Search, the remote ignores keypresses that aren't part of the search.

The search times out after two minutes (the POWER key blinks four times and turns off, and the last programmed code under that device key is retained).

The POWER key blinks four times and turns off when the remote has gone through all the codes. The remote exits the Brand Code Search. If your device hasn't turned off yet, try a different search method.

Testing the Code for Maximum Functionality

- Try a variety of the device's functions with the remote. If some features of your devices don't work, go to the next step to try a different code.
- Repeat the Manual Code Search and Entry Method from the beginning. When the device turns off for the first time, don't press the STOP key, which would store the same code. Instead, with the unit now off, continue to press the POWER key repeatedly until the unit turns back on.
- Once the unit turns back on, you have found another code that operates the device. Press the STOP key.
- Test the key's functionality again by trying a variety of functions. If the code controls the majority of the device's functions, programming is complete. If the code stored does not give maximum functionality, try another code.

Tour of the Remote

In most cases, the keys on this remote perform the same functions as the keys on your original remotes once you've programmed this remote to operate your components. Many keys on this remote have other functions as well.

Illuminated POWER key serves as an indicator light to provide feedback.

Device keys (TV, SATELLITE/CABLE, DVD/BLU RAY, AUDIO/SOUNDBAR, STREAM) put the remote in the right mode to control your device.

The purple keys (GUIDE-HOME, Arrows, OK MENU) are the most used keys for streaming player.

controls Samsung Hub functionality on TVs. It may also control similar functionality on other devices (see your device manual for information).

GUIDE-HOME puts the remote in guide mode for satellite receivers or cable boxes, and accesses the home screen for streaming players.

EXIT exits remote programming; it also performs the same functions as on your original remotes.

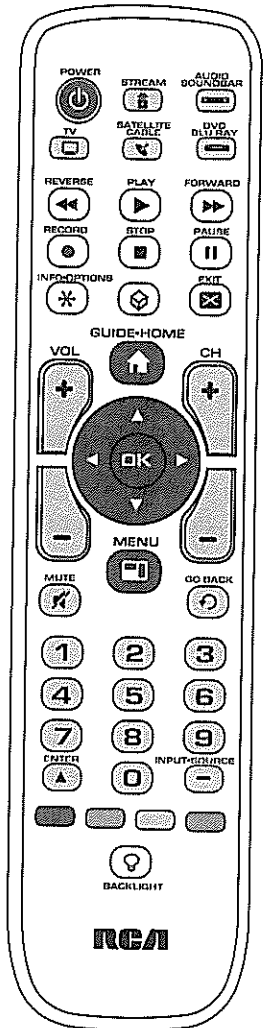
Arrow keys act as navigation keys in device guides and menu systems.

The INPUT-SOURCE — (dash) key has three functions: (1) it toggles through all the video sources connected to your TV; (2) when the remote is in VCR mode, this button toggles between VCR and the TV input; (3) when you're entering digital channel numbers directly, this button lets you separate the main channel number from the sub-channel number (such as 59.1).

Red, green, yellow, and blue keys access additional features on your cable box, satellite receiver, or Blu-ray disc player (see your device manual for details).

IMPORTANT

Because this remote controls more than one device, you must first "tell" the remote which device you wish to operate. That means, if you wish to operate your TV, you must first press the TV key to put the remote in the TV Mode. The remote stays in that device mode until you press a different device key. For example, if your remote is in TV Mode and you want to operate the DVD or Blu Ray player, you must press the DVD/BLU RAY key to change device modes.



Actual model may vary from illustration

Advanced Functions

Changing A Key's Device Type

Each device key is associated with a type of device—the TV is preset to search for TVs, SATELLITE/CABLE for satellite receivers or cable boxes, STREAM for streaming players, DVD/BLU RAY for DVD and Blu Ray players, and AUDIO/SOUNDBAR for audio devices and soundbars. To program these keys to control a different kind of device, you have to reassign them first.

Reassigning the DVD/BLU RAY Key to Control a VCR

The DVD/BLU RAY key defaults to control a DVD or Blu Ray player. If you want the DVD/BLU RAY key to control a VCR, you must reassign it.

1. Press and hold the DVD/BLU RAY key. The POWER key illuminates. Keep holding down the DVD/BLU RAY key.
2. While holding down the DVD/BLU RAY key, press and release the number 2 key on the keypad. The POWER key turns off.
3. Release the DVD/BLU RAY key. The POWER key blinks two times and then turns off. The DVD/BLU RAY key is now set to control a VCR.
4. Follow the directions in the auto, brand, direct entry, or manual code search to program the DVD/BLU RAY key for your VCR.

Reassigning the AUDIO/SOUNDBAR Key To Control Other Devices

The AUDIO/SOUNDBAR key defaults to control an audio device or soundbar. If you want the AUDIO/SOUNDBAR key to control a different device (an additional TV, DVD, satellite or cable box, for example), you must reassign it.

1. Press and hold the AUDIO/SOUNDBAR key. The POWER key turns on.
2. While holding down the AUDIO/SOUNDBAR key, press and release the number key on the keypad for the device you wish to control (see the chart below). The POWER key turns off.

AUDIO/SOUNDBAR KEY CONTROLS:	
Additional TV	press 1
VCR or DVR	press 2
Additional DVD or Blu Ray	press 3
Audio device or soundbar	press 4
Additional satellite, cable box or streaming player	press 5

3. Release the AUDIO/SOUNDBAR key. The POWER key blinks two times and then turns off. The AUDIO/SOUNDBAR key is now set to control the device type you selected.
4. Follow the directions in the auto, brand, direct entry, or manual code search to program the AUDIO/SOUNDBAR key.

Volume Punch-Through

Volume punch-through allows the VOL and MUTE keys, when pressed in SATELLITE/CABLE, DVD/BLU RAY, or STREAM modes, to "punch through" to TV or AUDIO/SOUNDBAR. Volume punch-through occurs automatically and allows you to control the volume without exiting the current mode. (If the DVD/BLU RAY key has been programmed with a TV code, volume can punch through to this device as well.)

Notes: Volume punch-through does not occur in cases where the component code has its own volume/mute controls, such as some satellite receivers.

Volume punch-through sends volume commands to the last device you were controlling, either TV or AUDIO/SOUNDBAR, before the active device. For example, if you were controlling the TV before you started controlling your DVD or Blu Ray player, the volume commands will "punch through" to the TV while you're in DVD/BLU RAY mode.

Channel Lock

Channel lock automatically sends channel commands, like the CH, GO BACK, and 0-9 number keys, to your satellite receiver, cable box, or digital TV converter when you're in TV mode. This can save you keypresses if you use a device other than your TV to change channels.

To turn channel lock on:

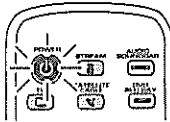
1. Press and hold the device key for the device you use to change channels. While you're holding down this device key, use your other hand to press and hold the remote's CH up key at the same time.
2. Wait until the remote's POWER key comes on and stays on. Then release both keys.
3. Press ENTER to lock channel commands to this device.

To turn channel lock off:

1. Press and hold the TV key. While you're holding down the TV key, use your other hand to press and hold the remote's CH down key at the same time.
2. Wait until the remote's POWER key comes on and stays on. Then release both keys.
3. Press ENTER to start changing channels with your TV.

Code Retrieval

Once you've programmed the remote to control your devices, you may want to record the codes for future reference. If you used the Direct Code Entry method, this is easy. Just find the codes you entered and make a note of them in the boxes below. If you used one of the Code Search methods to program your remote or if you used the Direct Entry method but don't remember the code, you will need to retrieve each device's five-digit code. Retrieving the actual code and writing it down will save you time if you ever need to program the remote again. If the codes are recorded, you can use the Direct Entry method to reprogram your remote to control your devices, which is quick and easy.



1. Press and hold the device key (TV, SATELLITE/CABLE, DVD/BLU RAY, AUDIO/SOUNDBAR, STREAM) whose code you wish to retrieve. The POWER key illuminates. Keep pressing the device key.
2. While holding the device key down, press and hold the INFO key. The POWER key turns off. After holding down both keys for three seconds, the POWER key turns back on.
3. Release both keys. The POWER key remains on.
4. Starting with the number 1 key, press and release each number key on the keypad in the following order: 1-9, then 0. The number that causes the POWER key to blink is the first number of the code. As you find each number of the code, write it down for future reference.
5. Repeat step 4 until you have retrieved all five numbers in the code. After the fifth number is retrieved, the POWER key blinks briefly, then turns off.

Note: All TV codes begin with the number 1; all VCR and DVR codes begin with the number 2; all DVDs, the number 3; all audio devices, the number 4; and all satellite receivers, cable boxes, streaming players and DTV converters, the number 5.

TIP: To exit the Code Retrieval Mode at any time, press the EXIT key.

Note: If you press an invalid key during the Code Retrieval process, the remote will not respond. If you do not press a valid Code Retrieval key (TV, SATELLITE/CABLE, DVD/BLU RAY, AUDIO/SOUNDBAR, STREAM, INFO, EXIT), Code Retrieval times out after 15 seconds. The POWER key blinks four times, and then turns off.

TV CODE					SATELLITE/CABLE CODE				
1					5				
					<input type="checkbox"/> CAT <input type="checkbox"/> CABLE <input type="checkbox"/> STREAMING PLAYER				
DVD/BLU RAY CODE					AUDIO/SOUNDBAR CODE				
<input type="checkbox"/> DVD <input type="checkbox"/> BLU RAY <input type="checkbox"/> VCR					<input type="checkbox"/> AUDIO RECEIVER <input type="checkbox"/> SOUNDBAR				
STREAM CODE									

Troubleshooting

Problem: The remote does not operate your device.

Make sure the remote is in the correct mode by pressing the corresponding device key (TV, SATELLITE/CABLE, DVD/BLU RAY, AUDIO/SOUNDBAR, STREAM). This tells the remote which device to operate.

Remove any obstacles between the remote and the device. Make sure you're aiming the remote at the device's IR sensor.

Make sure the batteries are fresh and are properly installed. Replace the batteries with two new AAA batteries, if necessary (see the Battery Installation section).

Problem: The remote can't be programmed to operate your device.

If you are testing the remote while programming it, you may be too far away from the device or at a wrong angle. There must be an unobstructed path between the remote and the IR sensor on the device. Move closer and make sure you point the remote at the device you're trying to control.

If you're using the Direct Entry programming method to enter the codes for your brand and the unit is still not functioning properly, try the auto, brand, or manual search method.

To control combo units, like TV/VCRs or TV/DVDs, you must program the individual corresponding device keys to control each part of the combo unit. Once programmed successfully, the TV key controls the TV functions, and the DVD/BLU RAY key controls the DVD or Blu Ray functions.

Make sure the batteries are fresh and are properly installed.

Problem: The remote doesn't perform commands properly.

- Make sure the remote is in the correct mode by pressing the corresponding device key (TV, SATELLITE/CABLE, DVD/BLU RAY, AUDIO/SOUNDBAR, STREAM). This tells the remote which device to operate.
- Make sure device is ready (for example, the DVD or Blu Ray player has a disc loaded).
- You may have pressed an invalid key for the mode the remote is in.
- If you're trying to enter a channel number directly, try pressing the ENTER key after entering the channel number as this is a requirement of certain models and brands.
- There is a possibility that a programmed code may only be able to control some of your device features (for example, only turns a device on and off). To confirm that the device key is programmed with the correct code for maximum functionality, test the device. Attempt to control a variety of the device's functions with the remote. If some of the features of your devices don't work, try programming the remote with a different code in the list using the Direct Code Entry Method, until you find the code that allows the remote to control the majority of your device's functions. Different codes can provide different levels of functionality.

Problem: The POWER key does not light when you press a key.

- You may have pressed an invalid key for the mode the remote is in.
- Make sure the remote is in the correct mode by pressing the corresponding device key (TV, SATELLITE/CABLE, DVD/BLU RAY, AUDIO/SOUNDBAR, STREAM). This tells the remote which device to operate.
- Make sure the batteries are fresh and are properly installed. Replace the batteries with two new AAA batteries, if necessary (see the Battery Installation section).

Problem: The remote will not change channels on device.

- Make sure the remote is in the correct mode by pressing the corresponding device key (TV, SATELLITE/CABLE, DVD/BLU RAY, AUDIO/SOUNDBAR, STREAM). This tells the remote which device to operate.
- Press the ENTER key after you enter a channel number.
- Remove any obstacles between the remote and the device. Make sure to aim the remote at the IR sensor on the device.

Problem: The device's menu does not appear on the TV screen.

- Make sure you have connected the device to your TV properly and selected the correct input. (See your devices' Owner's Manuals for proper connection procedures.)
- Make sure the remote is in the correct mode by pressing the corresponding device key (TV, SATELLITE/CABLE, DVD/BLU RAY, AUDIO/SOUNDBAR, STREAM). This tells the remote which device to operate.
- Menu access isn't supported for all brands. You may need to use your original remote control to access menu functions for some devices.

For more information, please visit www.RCAAudioVideo.com
Consumer Help Line: 1-800-420-7968

Care and Maintenance

- Keep the remote dry. If it gets wet, wipe it dry immediately.
- Use and store the remote only in normal temperature environments.
- Handle the remote gently and carefully. Don't drop it.
- Keep the remote away from dust and dirt.
- Wipe the remote with a damp cloth occasionally to keep it looking new.
- Modifying or tampering with the remote's internal devices can cause malfunction and invalidate its warranty.

Limited Lifetime Warranty

Voxx Accessories 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 the 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 an approved warranty station. For the location of the nearest warranty station to you, call toll-free to our control office: 1-800-645-4994.

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.

Code Lists

Listes de Codes

Lista de Códigos

Brand Code List / Lista de Códigos de Marcas / Liste des codes de marque

Brand Codes are used for programming using the Brand Code Search and Entry method outlined in the User's Guide.

Los códigos de las marcas son utilizados para programar utilizando los métodos de búsqueda y entrada de códigos de marcas, resaltado en la guía del usuario.

Les codes de marques sont utilisés pour la programmation à l'aide de la recherche du code de marque et de la méthode d'entrée décrite dans le Guide de l'utilisateur.

TV

LG	Samsung	Sony	Toshiba	Vizio
0	1	2	3	4

AUDIO-SOUNDBAR

LG	Panasonic	Philips	Samsung	Vizio
0	1	2	3	4

DVD/BLU RAY

LG	Panasonic	Samsung	Sony	Toshiba
0	1	2	3	4

SAT/CABLE/STREAMING

Apple	Microsoft	Netgear	Roku	Western Digital	AT&T	Comcast	DIRECTV	Dish Network	Time Warner
0	1	2	3	4	5	6	7	8	9

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TV / Téléviseur

Admiral.....	10463
Advent.....	11570
Affinity.....	13717, 13577
Aiwa.....	11362
Akai.....	10765
AOC.....	11589, 11365, 12014, 12087
Apex Digital.....	10765, 12397, 14347
Ario.....	12397
Audiovox.....	11564
Auria.....	12087, 12014
Aventura.....	10171
Avol.....	13118
Broksonic.....	10463, 11892
Celera.....	10765
Champion.....	11362
Changhong.....	10765
Coby.....	13478, 13627
Commercial Solutions.....	11447
Contex.....	13939
Curtis.....	12855, 13577, 13895, 12352, 12397, 13939, 14035, 13636, 13382, 13717
Disney.....	11892, 11665
Dumont.....	10017
Durabrand.....	10463, 10171, 11570, 11665, 10178
Dynex.....	12049
Electrohome.....	10463, 11570, 11670
Electron.....	12855
Element.....	13559, 11687, 12183, 12964, 11886
Elite.....	11457
Emerson.....	11864, 11394, 10171, 11886, 10463, 10178, 13623, 12183, 11665, 3559
Envision.....	11589, 11365, 12087, 12014
Epworth.....	11362
EQD.....	12014, 12087
EQD Auria.....	12014, 12087
ESA.....	10171
Favi.....	13382
Fisher.....	11362
Fluid.....	12964, 13559
Funai.....	10171, 11394, 11864
GE.....	11447, 10178, 10765
General Electric.....	11447, 10178, 10765
GFM.....	10171, 11665, 11886, 11864
Gibraltar.....	10017
GoldStar.....	10178
Haier.....	11749, 12309, 13382, 11753, 12293, 11570, 14398
Hallmark.....	10178
Hisense.....	13519, 12183, 14398, 13382
Hitachi.....	11643, 13382
Hiteker.....	13118
ilo.....	11665, 11394
Insignia.....	12049, 11564, 11892, 10171, 10463, 14398
Inteq.....	10017
iSymphony.....	13382, 13118, 13094
JC Penney.....	10178, 10156

JCM.....	12256
JVC.....	11774, 11601, 12321, 12271, 11570, 11670, 10463, 11892
KC.....	14182
KDS.....	11523, 11687
KLH.....	10765
Legend.....	12397, 12309
LG.....	12731, 12358, 10178, 10017
LG Alps.....	12358
LXI.....	10156, 10178, 10017
MAG.....	11687, 11523
Magnavox.....	13623, 1866, 12372, 11454, 10171, 11365, 11867
Marantz.....	11454
Megatron.....	10178
Memorex.....	10463, 1570, 1670, 10178, 11892, 11665, 12049, 11687
MGA.....	10178
Midland.....	10017
Misakai.....	10171
Mitsubishi Electric.....	11250, 10178
NAD.....	10156, 10178
Naxa.....	12104, 13382
NEC.....	12293
New Acoustic Dimension.....	10156, 10178
Nexus.....	13519
Nexus Electronics.....	12183
Nikko.....	10178, 10017, 10156
Norcent.....	11365, 11589
NuVision.....	14347
oCOSMO.....	14139, 13899
Olevia.....	11610
Orion.....	10463, 11892, 13540
Panasonic.....	11480, 11291, 10156, 10178
PARK.....	12104
Penney.....	10178, 10156
Philco.....	10171, 11665, 11394
Philips.....	11867, 12372, 11454, 13623, 11866, 10017, 10171, 11365, 11394
Pioneer.....	11457
Planar.....	11589
Polaroid.....	11523, 14035, 11687, 10765, 11524
Prima.....	11753, 12049, 11749
Proscan.....	11447, 13577, 13382, 12183, 12256, 13717, 13332, 13636, 13895, 14035, 13939, 12746, 13559
Proton.....	10178
Proview.....	11687, 11523
Pulsar.....	10017
QuantumFX.....	12337
Quasar.....	11291, 13899
RadioShack.....	10178
RCA.....	12746, 12932, 12434, 13577, 14214, 11447, 12247, 13382, 13717, 11781, 13332, 13895, 12187, 13939, 13636, 12183, 12855, 14394, 14035, 11670
Realistic.....	10178
Runco.....	10017
Samsung.....	12051, 10178
Sansui.....	10463, 11892, 13540, 11670, 13564, 13939, 10171, 13559
Sanyo.....	11142, 11362, 12049, 11480
Sceptre.....	13899, 12528, 12337, 14139

Scotch.....	10178
Scott.....	10178
Sears.....	10156, 10171, 10178
Seiki.....	13953, 12964, 13559, 13382, 13470, 10178
Sens.....	11749
Sharp.....	12360, 11457, 14398
Silo.....	13899, 14182
Silo Digital.....	13899, 14182
Sony.....	10810, 11300
Soundesign.....	10178
Spectroniq.....	11523, 11687
Squareview.....	10171
SunBriteTV.....	12337, 11610, 12528
Superscan.....	10171
Supersonic.....	12104, 11753
Sylvania.....	11864, 11886, 0171, 11394, 11665
Symphonic.....	10171, 11394
Syntax.....	11610
TCL.....	12434, 13183, 14398
Technics.....	10017
TMK.....	10178
TNCI.....	10017
Toshiba.....	11524, 12724, 10156, 11656
TruTech.....	11665
TVS.....	10463
Upstar.....	14182, 14405
Vidtech.....	10178
Viewsonic.....	12014, 13706, 12087, 12049, 11564, 11365
Viore.....	13382, 12352, 13118, 12104, 13094
VIZIO.....	11758, 13758, 12757
Wards.....	10178, 10017, 10156
Waycon.....	10156
Westinghouse.....	11712, 13559, 13382, 11300, 12293, 13094, 13470, 3899, 12397, 10463
White Westinghouse.....	10463
Wyse.....	11365
Xiahua.....	11753, 12049, 11749
Xoceco.....	11753, 12049, 11749
Xogego.....	11753, 12049, 11749
Zenith.....	10017, 10178, 12731, 11365, 12358, 10463

**TV/DVD Combination (TV key) /
Téléviseur/DVD intégré (touche TV) /
Combinación (tecla TV) TV/DVD**

Affinity.....	13717
Apex Digital.....	10765
Broksonic.....	10463
Coby.....	13627
Curtis.....	12855
Durabrand.....	10171
Dynex.....	12049
Electrohome.....	11670
Emerson.....	11864, 11394, 11886
Favi.....	13382
Funai.....	11394
Haier.....	11749, 12309

Hisense.....	13519
Insignia.....	12049, 11892
iSymphony.....	13094
JVC.....	12271, 11774, 11670
Magnavox.....	11454, 12372, 11866
Memorex.....	10463, 11670
Naxa.....	12104, 13382
Philips.....	12372, 11394
Polaroid.....	11523
Proscan.....	12256
RCA.....	11447, 12746, 12187, 12932, 13382
Sansui.....	11670, 13564
Sceptre.....	12528
Sharp.....	12360
Supersonic.....	12104
Sylvania.....	11864, 11394, 11886
Viewsonic.....	12049
Viore.....	13094, 13118, 13382
Westinghouse.....	11712, 11300

**TV/VCR Combination (TV key) /
Téléviseur/magnétoscope intégré (touche TV) /
Combinación (tecla TV) TV/VCR**

Admiral.....	10463
Broksonic.....	10463
Durabrand.....	10171, 10463
Emerson.....	10463
Funai.....	10171
GoldStar.....	10178
Quasar.....	10250
Toshiba.....	10156
White Westinghouse.....	10463
Zenith.....	10017

**Video - VCR /
Vidéo — magnétoscope / Video - VCR**

American High.....	20035
Canon.....	20035
Carver.....	20081
Crosley.....	20081
Curtis Mathes.....	20035, 20060, 20162
Daewoo.....	20045
Emerex.....	20032
Fuji.....	20035
GE.....	20060, 20035, 20202
General Electric.....	20060, 20035, 20202
Harman/Kardon.....	20081
Instant Replay.....	20035
JC Penney.....	20035
Kodak.....	20035
Magnavox.....	20035, 20081
Marantz.....	20081, 20035
Matsushita.....	20035, 20162
MEI.....	20035
Memorex.....	20035, 20162
Motorola.....	20035

NAP.....	20035
Olympus.....	20035
Optimus.....	20162
Panasonic.....	20035, 20162
Penney.....	20035
Philco.....	20035
Philips.....	20081, 20035
Polk Audio.....	20081
Proscan.....	20060, 20202
Quasar.....	20035, 20162
RCA.....	20060, 20202, 20035
RCN.....	20060
Realistic.....	20035
Samsung.....	20045
Scott.....	20045
Sears.....	20035
Signature.....	20035
Signature2000.....	20035
Sony.....	20032, 20035
Sylvania.....	20035, 20081
Technics.....	20035, 20162, 20060, 20202
Teknika.....	20035
Toshiba.....	20045
Vector.....	20045
Video Concepts.....	20045
Wards.....	20035, 20045, 20060, 20081
XR-1000.....	20035

**DVD/VCR Combination (VCR key) /
DVD/magnétoscope intégrés (touche VCR) /
Combinación (tecla VCR) DVD/VCR**

Panasonic.....	20035
RCA.....	20060

**TV/VCR Combination (VCR key) /
Téléviseur/magnétoscope intégré (touche VCR) /
Combinación (tecla VCR) TV/VCR**

Memorex.....	20162
Optimus.....	20162
Panasonic.....	20035, 20162
Quasar.....	20162

Video - DVD - Blu Ray / Vidéo - DVD - Blu Ray

Accurian.....	30675
California Audio Labs.....	31579
Denon.....	32258, 31579
Disney.....	30675
Dynex.....	32596
Emerson.....	30675, 32213
Funai.....	30675
GE.....	30522
General Electric.....	30522
GFM.....	30675
Go Video.....	30741
GoldStar.....	30741
Grundig.....	30539
Harman/Kardon.....	32927
Hitachi.....	30573, 30675
Insignia.....	32596, 32095, 32428, 30675, 30741
Integra.....	32147
JVC.....	31602, 32355
Kenwood.....	31579
LG.....	30741, 31602
Magnavox.....	30675, 30503, 30539
Marantz.....	30539
Memorex.....	32213
Microsoft.....	32083, 32627, 30522
NAD.....	30741
New Acoustic Dimension.....	30741
Onkyo.....	32147, 30503
Panasonic.....	31641, 33641, 31579, 30503
Philco.....	30675
Philips.....	32056, 32434, 30539, 30503, 32084, 30675
Pioneer.....	32854, 32442
Polk Audio.....	30539
Presidian.....	30675
Proscan.....	30522
RCA.....	30522, 32213, 32532
Samsung.....	30199, 30573, 32069, 32329, 32489, 31579
Sharp.....	32250, 30675
Shinsonic.....	30533
Sony.....	31516, 31633, 30533, 31033, 31070
SV2000.....	30675
Sylvania.....	30675
Symphonic.....	30675
Technics.....	31579
Toshiba.....	33157, 32705, 30503, 32277
TruTech.....	30675
Urban Concepts.....	30503
VIZIO.....	32563
Xbox.....	32083, 32627, 30522
Yamaha.....	32298, 30539, 31579
Zenith.....	30741, 30503

**DVD/VCR Combination (DVD key) /
DVD/magnétoscope intégrés (touche DVD) /
Combinación (tecla DVD) DVD/VCR**

Accurian.....	30675
Emerson.....	30675
Funai.....	30675
GFM.....	30675
Go Video.....	30741
GoldStar.....	30741
JVC.....	31602
LG.....	30741
Magnavox.....	30675
Panasonic.....	31641, 31579
Philco.....	30675
Philips.....	32056, 30675
Presidian.....	30675
RCA.....	30522
Samsung.....	32489
Sharp.....	30675
Sony.....	31070, 31033
Sylvania.....	30675
Symphonic.....	30675
Toshiba.....	30503, 32277
Zenith.....	30741

**TV/DVD Combination (DVD key) /
Téléviseur/DVD intégré (touche DVD) /
Combinación (tecla DVD) TV/DVD**

Emerson.....	30675
Funai.....	30675
Sylvania.....	30675
Symphonic.....	30675

**Cable Set Top Box / Boîtier décodeur pour câble
/ Convertidor para Cable**

Access Communications.....	51376, 52187
Adams Cable TV.....	51376
ADB.....	51998, 53028
Allegiance Communications.....	51376
Amino.....	51998, 53028
Armstrong.....	51376, 53560
Arris.....	51376, 52378, 51998, 52187, 51982
Arvig Communication Systems.....	51376, 51982, 51998
AT&T.....	50858, 51877, 52187
AT&T U-verse.....	50858, 51877, 52187
Atlantic Broadband.....	51877, 53560, 51376
ATMC.....	51376, 51982, 53028, 51998
Bell.....	51998, 51877
Bell Alliant.....	51998
Bell ExpressVu.....	51998, 51877
Bell Fibe TV.....	51998
Blue Ridge Communications.....	51877, 53560
Bright House.....	51877, 51376
Broadstripe.....	51376
Buckeye Cable System.....	51376, 52187, 51877

Cable America.....	51376, 51877
Cable Axion Digital.....	51376
Cable One.....	51376, 53560, 51877
Cablevision.....	51877, 51376
Cass Cable.....	51376
CCAP.....	51877
CenturyLink.....	51998
Charter.....	51376, 51877, 52187, 53560
Cincinnati Bell.....	51877, 51376
Cisco.....	51877, 50858, 51982, 53028, 52378
Cogeco.....	51376, 51982, 53560
Comcast.....	51982, 51376, 51877, 53560, 52187
Comporium.....	51877, 53560, 52187
Consolidated Communications.....	51877, 51376, 51998
Cox.....	51877, 51376, 53774
Digeo.....	52187
Eagle Communications.....	51376, 52187
EastLink.....	51376, 52187
Fidelity Communications.....	51376
Frontier Communications.....	52378
General Communications.....	53560, 51376, 51877
Grande Communications.....	51877, 53560, 51376
Great Plains Communications.....	51376
Hawaiian Telcom.....	53028
Huawei.....	51982
Humax.....	53560
Inter Mountain Cable.....	51877
Lumos Networks.....	51998, 53028
Massillon Cable.....	51376, 52187
Mediacom.....	51376, 53560, 51982, 51877
Mediastream.....	51376
MetroCast Cablevision.....	51376, 51982, 51877
Mi-Connection.....	51877
Midcontinent Communications.....	51376, 51982, 53560
Mid-Hudson Cable.....	51376
Motorola.....	51376, 52378, 51998, 50858, 51982
Moxi.....	52187
MTS.....	51998
NewWave Communications.....	51376, 52187
Northland Communications.....	51376
NU Telecom.....	51998, 53028
Pace.....	51376, 51982, 51877, 50858, 53560, 51998
Panasonic.....	51982
Philips.....	52378, 53560
Pioneer.....	51877
RCN.....	51376, 53560, 51877
Reach Broadband.....	51376, 51877, 51982
Rogers.....	51877, 51376
Samsung.....	51877, 51982
SaskTel.....	51998
Schurz Communications.....	51376, 51877, 51982
Scientific Atlanta.....	51877, 50858, 51982, 53028, 52378
Service Electric.....	51376, 51982, 51877, 52187
Shaw.....	51376, 51877, 52187, 51982
Shentel.....	51376, 51877, 51982, 52187
Source Cable.....	51376
Suddenlink.....	51877, 51376, 53560, 51982
Tbaytel.....	51998
TDS.....	51376, 51877, 51982

Technicolor.....	51982
TELUS.....	53028
Thomson.....	51982
Time Warner.....	51877, 51376, 52187
TiVo.....	53560
TVS Cable.....	51376, 51877, 51982
U-verse.....	50858, 51877, 52187
Verizon.....	52378
Vidéotron.....	51877, 51376
Wave Broadband.....	51376, 53560, 52187
Wavevision.....	51376, 51877, 51982
WEHCO Video.....	51376
Westman Communications.....	51376, 52187
WideOpenWest.....	51376, 51877, 52187
Windjammer Cable.....	51376, 51877
WOW!.....	51877, 51376, 52187
Xfinity.....	51982, 51376, 51877, 53560, 52187
Zito Media.....	51376, 51877, 51982

Satellite Set Top Box / Boîtier décodeur pour satellite / Convertidor para Satélite

Arris.....	50869
Bell.....	50775
Bell ExpressVu.....	50775
Bell Satellite TV.....	50775
DirecTV.....	51377
Dish Network.....	50775
Dishpro.....	50775
Echostar.....	50775
Frontier Communications.....	50775
General Instrument.....	50869
GO!.....	50775
HTS.....	50775
Hughes Network Systems.....	51377
Humax.....	51377
Jerrold.....	50869
JVC.....	50775
LG.....	51377
Motorola.....	50869
Next Level.....	50869
RadioShack.....	50869
Samsung.....	51377
Shaw Direct.....	50869, 50775
ST.....	50775
Star Choice.....	50869
TDS Telecom.....	50775
TELUS.....	50775
Thomson.....	51377
TiVo.....	51377
Windstream.....	50775

Audio - Accessory / Audio — accessoire / Accesorio Audio

Bose.....	44307, 43708, 43706
Boston Acoustics.....	43698
Curtis.....	43942
Dynavox.....	43231
Haier.....	43516

Harman/Kardon.....	43756, 43517
iLive.....	43175
Insignia.....	43951
JBL.....	43756, 43535
JVC.....	43049
Klipsch.....	43915, 44198, 44200
LG.....	43217, 43996
Onkyo.....	43984, 43992
Panasonic.....	43323, 43409, 43767
Philips.....	43962, 44012, 42675
Pinnacle Speakers.....	43774
Pioneer.....	43956
Polk Audio.....	43429
Proficient.....	43661
RCA.....	43969
Samsung.....	42660
Sharp.....	43736, 43097
Sonos.....	43919
Sony.....	43700, 42610
SpeakerCraft.....	43661
Toshiba.....	43627
VIZIO.....	42454
Yamaha.....	42458, 42021
ZVOX.....	42332, 43913, 42334

Video - Accessory - Streaming Player / Vidéo — accessoire — Lecteur streaming / Accesorio Video - Reproductor de streaming

ABS.....	51272
Alienware.....	51272
Amlogic.....	54899
Apple.....	52615
Armada.....	54899
Asus.....	52987
Boxee.....	53693
Buffalo.....	54947
Ceton.....	51272
CyberPower.....	51272
Dell.....	51272
D-Link.....	53671, 53693
Funai.....	53339
Gateway.....	51272
G-Box Midnight.....	54440
Hewlett Packard.....	51272
Howard Computers.....	51272
HP.....	51272
Hush.....	51272
iBUYPOWER.....	51272
lomega.....	52558
LG.....	53373
Linksys.....	51272
Logitech.....	53272
Magnavox.....	53339
Matricom.....	54440, 54899
Media Center PC.....	51272
MI.....	53982
Micca.....	53669, 53850
Microsoft.....	51272, 52049, 54000

Mind.....	51272
Minix.....	53884
Netgear.....	53324, 54401, 53292, 54799
NiveusMedia.....	51272
Northgate.....	51272
NVIDIA.....	54918
Omniverse.....	54421
Ortek.....	53122
Panasonic.....	53760
Pivos.....	54339
Popcorn Hour.....	52260
RCA.....	53335
Ricavision.....	51272
Roku.....	53061, 52371
Seagate.....	52698
Sony.....	52713, 51272
Stack 9.....	51272
Systemax.....	51272
Tagar Systems.....	51272
Toshiba.....	51272
Touch.....	51272
Viewsonic.....	54249, 51272
VIZIO.....	53670
Voodoo.....	51272
Western Digital.....	52558
Xbox.....	52049, 54000
Xiaomi.....	53982
ZT Group.....	51272

Audio - Receiver / Audio — récepteur / Receptor Audio

Bose.....	41933, 41629
Denon.....	42857, 42516
GE.....	43297
General Electric.....	43297
Harman/Kardon.....	42241
Insignia.....	42175
Integra.....	41805
JBL.....	42241
LG.....	42676, 42197
Magnavox.....	41831
Onkyo.....	41805
Panasonic.....	42967
Philco.....	41831
Philips.....	41831, 42311
Pioneer.....	41935
RCA.....	42611, 43297
Samsung.....	41868
Sony.....	41622, 41759, 42172
Yamaha.....	42467
Zenith.....	42197

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