



## 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:

- The **Auto Code Search** goes automatically through all the codes for the device you're trying to control. It's the easiest method, but it can sometimes take longer than some of the other programming methods.
- The **Brand Code Search** searches through the codes for select brands of devices. It's not as easy as the auto code search, but it can be faster.
- The **Direct Code Entry** lets you enter a code from the accompanying code list for your brand of device. It's not as easy as the other methods, but it's potentially the fastest method.
- The **Manual Code Search** lets you manually go through all the codes for the device you're trying to control.

# CRCR351

## Universal Remote Control Owner's Manual

### 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.

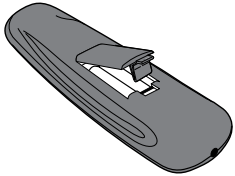
**Tip:** This remote is already programmed to operate most RCA-branded TVs, VCRs, and satellite receivers. Just press the corresponding key—TV for a television, SAT•CBL•DTC for a satellite receiver, VCR•DVD for a VCR.

## 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

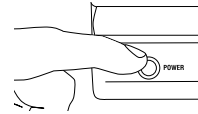
Your universal remote control saves battery power by automatically turning off if any key is pressed for more than 60 seconds. This saves your battery life should your remote get stuck in a place where the keys remain depressed, such as between sofa cushions.

### 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.

**TIP:** To exit without saving a new code at any point in the Auto Code Search, press the GO BACK key.

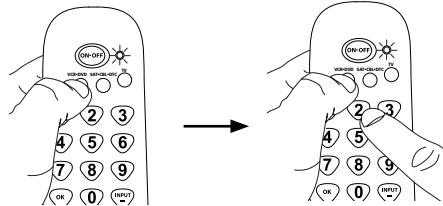
1. Manually turn on the device you want to control.



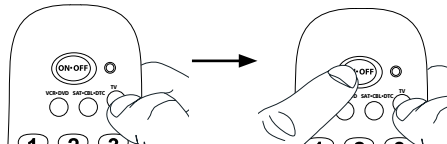
2. If you're programming the TV or SAT•CBL•DTC key, go to step 3.

If you're programming the VCR•DVD key, you need to tell the remote which kind of device you want this key to control, VCR or DVD.

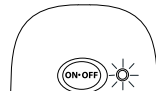
Press and hold the VCR•DVD key. While you're holding down the VCR•DVD key, use your other hand to press the number key for the type of device you want to control with this key: 2 for VCR, 3 for DVD. Then release both keys.



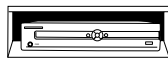
3. Press and hold the device key you want to program. While you're holding down the device key, use your other hand to press and hold the remote's ON•OFF key at the same time.



4. Wait until the remote's indicator comes on and stays on. Then release both keys.



- 5.** 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 6.

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

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

- 6.** 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 indicator light blinks four times and turns off, and the last programmed code under that device key is retained).

The indicator light 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**

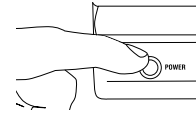
1. Try a variety of the device's functions with the remote. If some device features don't work, go to the next step to try a different code.
2. Repeat the Auto Code Search Method from the beginning. When your device turns off, do not stop searching. Instead, with the unit now off, continue to press the **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.

**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.

**TIP:** To exit without saving a new code at any point in the Brand Code Search, press the **GO BACK** key.

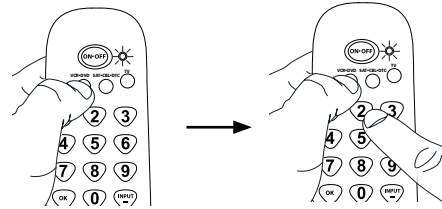
- 1.** Manually turn on the device you want to control.



- 2.** If you're programming the **TV** or **SAT•CBL•DTC** key, go to step 3.

If you're programming the **VCR•DVD** key, you need to tell the remote which kind of device you want this key to control, VCR or DVD.

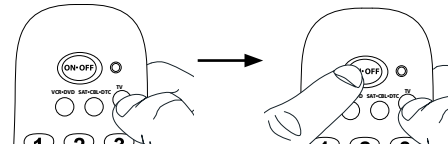
Press and hold the **VCR•DVD** key. While you're holding down the **VCR•DVD** key, use your other hand to press the number key for the type of device you want to control with this key: 2 for VCR, 3 for DVD. Then release both keys.



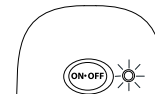
- 3.** Find your device's brand in the Brand Code list section of the accompanying code list. Circle the number for your brand and keep the list handy.



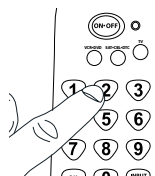
- 4.** Press and hold the device key you want to program. While you're holding down the device key, use your other hand to press and hold the remote's **ON•OFF** key at the same time.



- 5.** Wait until the remote's indicator comes on and stays on. Then release both keys.



- 6.** Look at the number you circled for your device's brand code number. Press that number on the remote keypad.



- 7.** Point the remote directly at the front panel of the device you want to control. Press **ON•OFF** 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 **ON•OFF** again. The remote tests the next code for your brand.

Keep pressing **ON•OFF** every 2 seconds until your device turns back on. When it does, press **STOP**.

**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 indicator light blinks four times and turns off, and the last programmed code under that device key is retained).*

*The indicator light 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.*

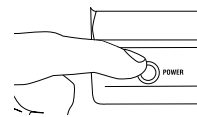
**Testing the Code for Maximum Functionality**

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 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 **ON•OFF** key repeatedly until the unit turns back on.
3. Once the unit turns back on, you have found another code that operates the device. 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.

**Direct Code Entry**

Direct Code Entry lets you enter a code from the accompanying code list for your brand of device. It's not as easy as the other methods, but it's potentially the fastest method.

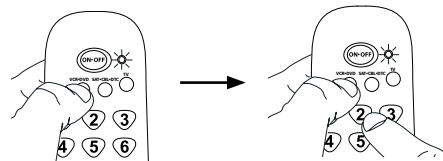
1. Manually turn on the device you want to control.
2. Find the Code List that came with the remote. Locate the section for the type of device you're trying to program, and find your brand in that section. Circle the codes for your brand and keep them handy.



3. **If you're programming the TV or SAT•CBL•DTC key, go to step 4.**

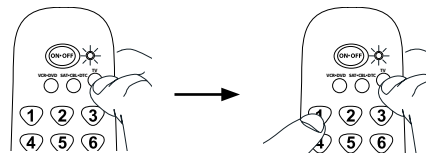
**If you're programming the VCR•DVD key, you need to tell the remote which kind of device you want this key to control, VCR or DVD.**

Press and hold the **VCR•DVD** key. While you're holding down the **VCR•DVD** key, use your other hand to press the number key for the type of device you want to control with this key: 2 for VCR, 3 for DVD. Then release both keys.



4. Press and hold the device key you want to program (the indicator light comes on).

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 indicator light goes off after the first digit).

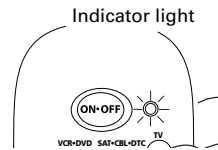


5. When you've finished entering the five-digit code, keep holding down the device key and look at the indicator light.

**Is the indicator light on?**

**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**

*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 indicator light blinks four times, and the process is exited. The last programmed code under the device key is retained.*

*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.*

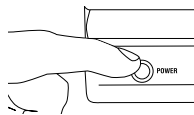
## Manual Code Search

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.

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

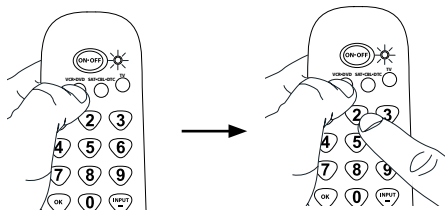
1. Manually turn on the device you want to control.



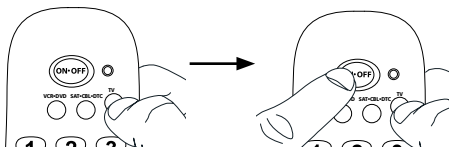
2. If you're programming the TV or SAT•CBL•DTC key, go to step 3.

If you're programming the VCR•DVD key, you need to tell the remote which kind of device you want this key to control, VCR or DVD.

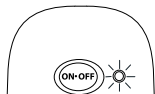
Press and hold the VCR•DVD key. While you're holding down the VCR•DVD key, use your other hand to press the number key for the type of device you want to control with this key: 2 for VCR, 3 for DVD.



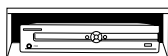
3. Press and hold the device key you want to program. While you're holding down the device key, use your other hand to press and hold the remote's ON•OFF key at the same time.



4. Wait until the remote's indicator comes on and stays on. Then release both keys.



5. Point the remote directly at the front panel of the device you want to control. Press ON•OFF 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 ON•OFF again. The remote tests the next code for your device.

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

**TIP:** Because there are so many codes, you may have to press the ON•OFF 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 LED blinks four times and turns off, and the last programmed code under that device key is retained).

The LED 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

1. 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.
2. 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 ON•OFF key repeatedly until the unit turns back on.
3. Once the unit turns back on, you have found another code that operates the device. Press the STOP key.
4. 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.

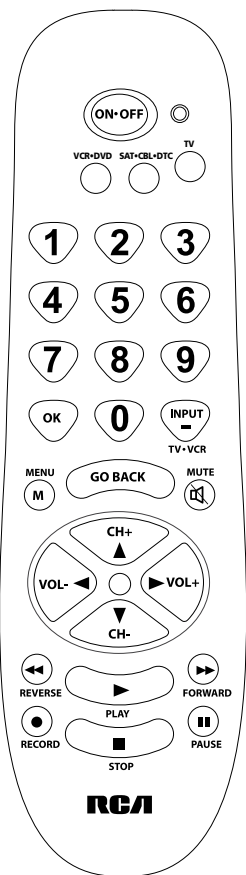
Device keys (**TV**, **SAT•CBL•DTC**, **VCR•DVD**) put the remote in the right mode to control your device: **TV** to control your TV, **SAT•CBL•DTC** to control your satellite receiver, cable box or digital TV converter, and **VCR•DVD** to control your VCR or DVD player.

**MENU** puts the remote in menu mode, which makes the **CH/VOL** keys serve as arrow keys; it also accesses the same features as the key on your original remotes.

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

**CH** and **VOL** keys have dual functions: they can act as navigation keys in menu systems as well as channel and volume controllers outside the menus.

The **INPUT/— (dash)/TV•VCR** 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)



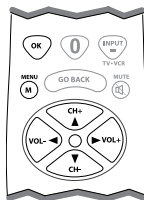
Actual model may vary from illustration

## Accessing Device Menus

Many devices use on-screen menus to help you navigate through all their features and programming. While this remote may not access every menu system of every device model, it does offer some menu functionality.

To use a device's on-screen menu system, you first have to put the remote in Menu Mode.

1. Make sure your devices are turned on and your TV is set to the correct device input (use the **INPUT** key to toggle through inputs when in TV Mode.)
2. Press the device key whose menu you want to access.
3. To access menus, press the **MENU** key. The indicator light starts blinking, indicating you are in Menu Mode.



4. Use the **VOL+/-** and **CH+/-** keys to navigate through the on-screen menu system. To select the highlighted item, press the **OK** key.

**TIP:** If the remote doesn't respond, check to see that the indicator light is still blinking. The light times out after 20 seconds. If this happens, just press the **MENU** key again, and then retry your selection.

## Exiting Menu/Guide Mode

The remote automatically times out of Menu Mode after 20 seconds of inactivity (no keys being pressed). At that time, the remote clears the displayed menu from the TV.

If you want to exit the Menu Mode yourself, press the corresponding device key on the remote (**TV**, **SAT•CBL•DTC**, **VCR•DVD**). The indicator light turns off.

## 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 player or VCR, you must press the VCR•DVD key to change device modes.

# 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, SAT•CBL•DTC, VCR•DVD). 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 key controls the VCR or DVD 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, SAT•CBL•DTC, VCR•DVD). This tells the remote which device to operate.
- Make sure device is ready (for example, the DVD 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 OK 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 LED 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, SAT•CBL•DTC, VCR•DVD). 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, SAT•CBL•DTC, VCR•DVD). This tells the remote which device to operate.
- Press the OK 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, SAT•CBL•DTC, VCR•DVD). 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.

## 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

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

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