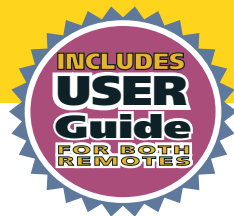


U N I V E R S A L

**RCA**

**Remote**



**SUPER VALUE  
PACK!**

**2 REMOTES FOR  
THE PRICE OF 1!**

**RCU800**

- Controls 8 Components
- Sleep Timer
- Control On-screen Channel Guides
- Home Theater & Audio Control

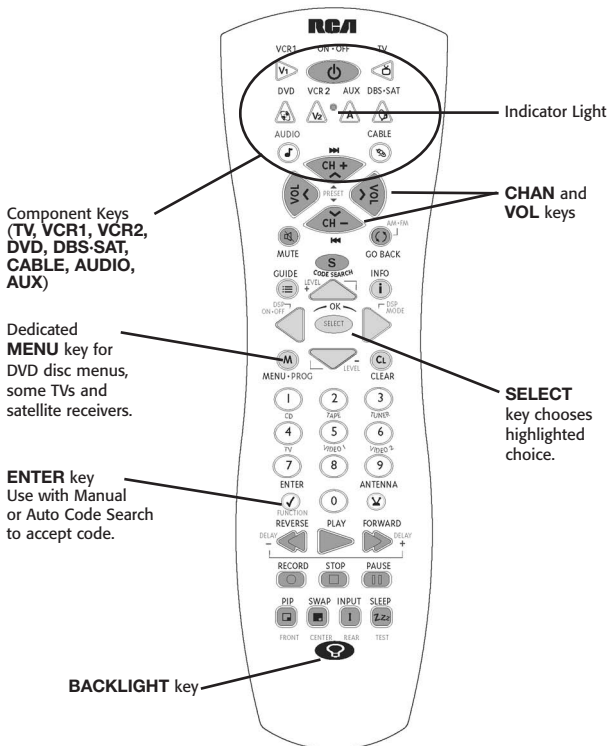
**RCU403**

- Controls 3 Devices
- Palm-size

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A  
L

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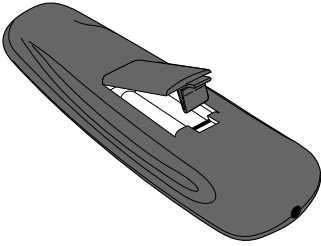
## 8 Component Universal Remote

Congratulations on your purchase of the eight-component universal remote. This universal remote controls up to eight electronic components and makes juggling remote controls a thing of the past. You can program this RCA universal remote to operate most models of most brands of infrared, remote-controlled components manufactured after 1990. (See enclosed Code List for a complete list of brands.) The eight-component universal remote is easy to use, easy to program and gives you control at the touch of your fingertips.

**Note:** The eight-component universal remote is already programmed to operate most RCA, GE and PROSCAN branded TVs, VCRs, DVD players and SATELLITE receivers (DBS). Just press the corresponding component key—**TV, VCR1, VCR2, DVD, DBS•SAT, CABLE, AUDIO, AUX**—and your eight-component universal remote is ready to go!

## Battery Information and Installation

Your universal remote requires two new AA alkaline batteries (batteries may or may not be included, depending on the model). To install the batteries:



1. Remove the battery compartment cover.
2. Insert the batteries, matching the batteries to the (+) and (-) marks inside the battery case.
3. Replace the battery cover.

**Note:** Reprogramming may be required after batteries are replaced.

## Key Descriptions



**Indicator Light**—flashes when a valid key is pressed to indicate the remote is working. Status of this light is important when you are programming the remote.

**Component Keys (TV, VCR1, VCR2, DVD, DBS•SAT, CABLE, AUDIO, AUX)**— selects the component you want the remote to operate.

For example, after you've programmed the remote to operate your TV, you must press the **TV** key first to put the remote in TV Mode. While in TV Mode, the **CHAN** keys change the channel on the TV, the **VOL** keys adjust the TV's volume, etc.

**Transport Keys**—**REVERSE, PLAY, FORWARD, STOP, PAUSE, RECORD**—operate the same as your original VCR or DVD remote control, although key labels may vary (**REWIND, FAST FORWARD**).

**Backlight Key (select models only)**—turns backlighting on and off. Backlighting remains on for approximately eight seconds after the last keypress to conserve battery life.

# Primary Key Descriptions For VIDEO Operations

## Other Keys (Listed Alphabetically)

Certain keys on the eight-component universal remote have dual functions. Primary functions are printed in black. Secondary key functions are printed in blue on the remote and are used for AUDIO operations.

**0-9 (Number Keys):** operate the same as number keys on your original remote and are used to enter component codes when programming the remote control with Direct Entry method.

**ANTENNA:** in TV Mode, switches between the signal coming from a satellite receiver or cable box and an off-air antenna. In VCR Mode, switches between the signal coming from a VCR and a TV.

**CH+ and CH- (CHANNEL UP and CHANNEL DOWN):** goes to the next highest or lowest channel number in the component channel list, respectively, except for DVDs. In DVDs, the **CH+** and **CH-** keys refers to the **NEXT/PREVIOUS** chapter.

**CLEAR:** removes the on-screen display to return to normal viewing.

**CODE SEARCH:** use to program the remote.

**ENTER:** use with Manual or Automatic Code Search method to accept code (See Code Lists enclosed). Also, some brands require you to press the **ENTER** key after you enter a channel number. In some menu systems, you must press the **ENTER** key to select a highlighted item.

**GO BACK:** switches back to previous channel— operates the same as **PREV CH, LAST CHANNEL** or **RECALL** keys found on some brands of remote controls.

**GUIDE:** brings up the on-screen TV program guide, if your TV is equipped with that feature.

**INFO:** shows program information, if your component is equipped with this feature. Functions the same as a **DISPLAY** key.

**INPUT:** selects the video inputs of your TV, if equipped with this feature.

**MENU•PROG:** accesses DVD disc menus when playing a DVD disc. Accesses menu systems of some TVs, a few RCA brand VCRs and satellite receivers. (For more information, refer to the On-screen Menus section on page 13).

**MUTE:** lowers the TV's volume to its minimum level.

**NAVIGATION KEYS & SELECT:** used to move through on-screen menus and guides. Use the **NAVIGATION** keys to move the highlighted choice up, down, left or right.

**ON•OFF:** turns component on and off.

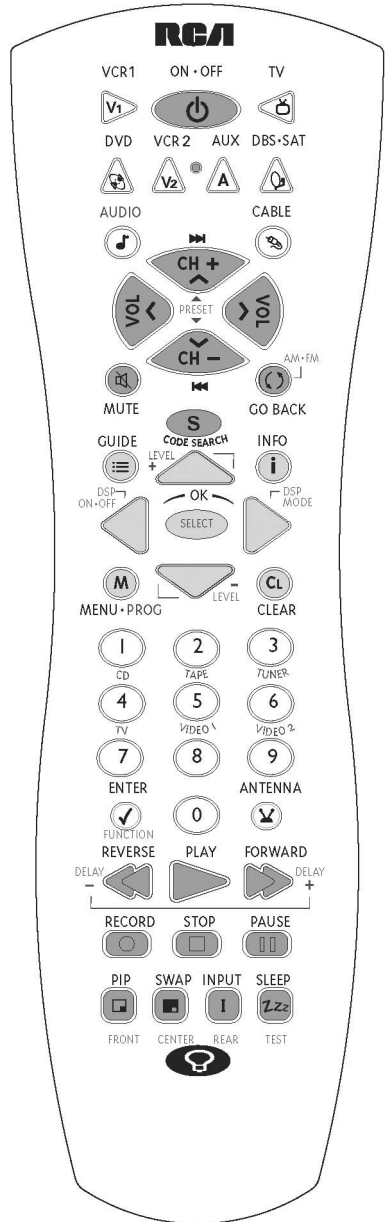
**Note:** Some RCA, GE and PROSCAN models require that you press the component key to turn the component on and the **ON•OFF** key to turn the component off.

**PIP:** (Picture-in-Picture) and **SWAP** operate your TV's Picture-in-Picture, if your TV is equipped with this feature.

**RECORD:** use with VCR to record programming. You must press the **RECORD** key twice to start recording.

**SLEEP:** allows you to set a time to turn off your TV automatically.

**VOL:** increases or decreases the TV or AUDIO system's volume level.



## Secondary Key Descriptions For AUDIO Operations

Certain keys on the eight-component universal remote have dual functions. Secondary key functions are printed in blue on the remote and are used for AUDIO operations. Not all functions work for all brands. Experiment with your AUDIO system to determine which functions work with your components. See the enclosed AUDIO Code List to operate your brand of equipment.

### Press the AUDIO key to enable the Audio Mode.

**AM•FM:** allows you to select the AM•FM band on your AUDIO receiver.

**CD, TAPE, TUNER, TV, VIDEO 1, VIDEO 2:** For some AUDIO systems, these keys will select the corresponding component input.

**DELAY -, ON, DELAY +:** increases or decreases the delay between the surround and main speakers when the receiver is in the Surround Sound Mode.

**DSP ON•OFF:** enables the receiver's Digital Signal Processing Mode.

**DSP MODE:** When the DSP mode is enabled, pressing this key allows the user to cycle through the various DSP Modes.

**FRONT, CENTER, REAR, TEST:** adjusts the levels of the front, center, and rear speakers used with **LEVEL +/LEVEL -**. The test tone must be enabled first by pressing the **TEST** key.

**FUNCTION:** selects the different AUDIO input components. The number keys also select the function labeled below the keys when in Audio Mode.

**LEVEL+/LEVEL-:** sets the level of the speakers during Test Tone Mode.

**PRESET:** cycles through preset channels while the Tuner input on your AUDIO system is active.

## Program for TV—Direct Entry Method

In order for the eight-component universal remote to control your TV, you must program it with the TV code that matches your TV. These instructions explain the preferred method of programming the remote—the Direct Entry method. To program your remote to control your TV, follow these steps:

1. Manually turn on the TV.
2. Locate the enclosed TV Code List. Find your brand of TV.  
**Note:** If your brand is not listed, use one of the Code Search methods to program this remote control. (See section on Code Search.)
3. Press and hold the **CODE SEARCH** key until the indicator light illuminates. Then release the **CODE SEARCH** key.
4. Press and release the **TV** key. The indicator light blinks and then remains lit.
5. Use the number keys to enter the first code listed for your brand. After you enter a valid three-digit code, the indicator light turns off.

**Note:** If you enter an invalid code, the LED flashes rapidly for two seconds. Start over at step 3.

6. Aim the remote at your TV and press the **ON•OFF** key. If your TV turns off, you have found the correct code.
7. Enter the code in the box provided on this page for future reference.
8. If your TV doesn't turn off, repeat steps 3-6 above, entering the next code for your brand.

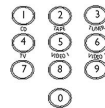
If none of the codes work or your brand is not listed, use one of the Code Search methods to program this remote. (See Code Search section on page 11.)

**CODE SEARCH**    **INDICATOR LIGHT**



**TV**

**(BLINK)**



**(OFF)**

**ON•OFF**



TV CODE		

## Program for VCR1 and VCR2—Direct Entry Method

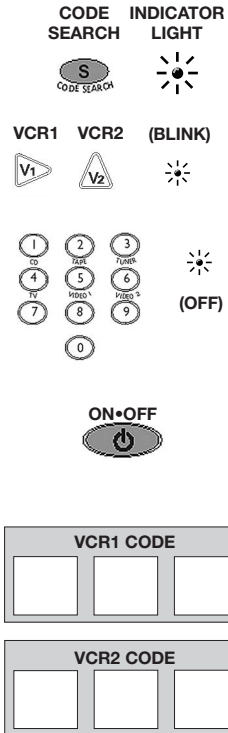
In order for the eight-component universal remote to control your VCR, you must program it with the code that matches your VCR. If you have two VCR's, the second VCR can be programmed using the **VCR2** key. To program your remote to control your VCR, follow these steps:

1. Manually turn on the VCR.
2. Locate the enclosed VCR Code List. Find your brand in the VCR Codes.  
**Note:** If your brand isn't listed, use one of the Code Search methods to program this remote control. (See section on Code Search on page 11).
3. Press and hold the **CODE SEARCH** key until the indicator light illuminates. Then release the **CODE SEARCH** key.
4. Press and release the **VCR1** or **VCR2** key. The indicator light blinks and then remains lit.
5. Use the number keys on the remote to enter the first code listed for your brand. After you enter a valid three-digit code, the indicator light turns off.

**Note:** If you enter an invalid code, the LED flashes rapidly for two seconds. Start over at step 3.

6. Aim the remote at your VCR. Press the **ON•OFF** key. If your VCR turns off, you have found the correct code.
7. Enter the code in the box provided on this page for future reference.
8. If your VCR does not turn off, repeat steps 3-6 above, entering the next code for your brand.

If none of the codes work or your brand is not listed, use one of the Code Search methods to program this remote. (See Code Search section on page 11).

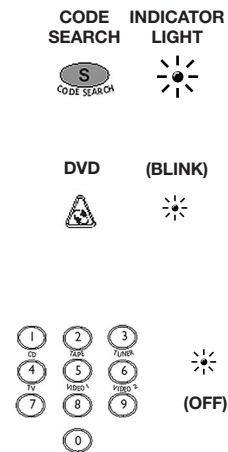


## Program for DVD/CD Systems—Direct Entry Method

In order for the eight-component universal remote to control your DVD or CD systems, you must program it with the code that matches your component. To program your remote to control your DVD/CD system, follow these steps:

1. Manually turn on the DVD/CD system.
2. Locate the enclosed DVD or CD Code List. Find your brand in the DVD or CD Codes.  
**Note:** If your brand isn't listed, use one of the Code Search methods to program this remote control. (See section on Code Search on page 11).
3. Press and hold the **CODE SEARCH** key until the indicator light illuminates. Then release the **CODE SEARCH** key.
4. Press and release the **DVD** key. The indicator light blinks and then remains lit.
5. Use the number keys on the remote to enter the first code listed for your brand. After you enter a valid three-digit code, the indicator light turns off.

**Note:** If you enter an invalid code, the LED flashes rapidly for two seconds. Start over at step 3.



6. Aim the remote at the component. Press the **ON•OFF** key.  
If your DVD/CD system turns off, you have found the correct code.
7. Enter the code in the box provided on this page for future reference.
8. If your DVD/CD system does not turn off, repeat steps 3-6 above, entering the next code for your brand.  
If none of the codes work or your brand is not listed, use one of the Code Search methods to program this remote. (See Code Search section on page 11).

ON•OFF



DVD OR CD CODE		

## Program for SATELLITE—Direct Entry Method

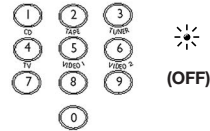
In order for the eight-component universal remote to control your DBS system, you must program it with the code that matches your SATELLITE receiver. To program your remote to control your DBS system, follow these steps:

1. Manually turn on the satellite receiver.
2. Locate the enclosed SATELLITE Code List. Find your brand in the SATELLITE Codes.  
**Note:** If your brand isn't listed, use one of the Code Search methods to program this remote control. (See section on Code Search on page 11).
3. Press and hold the **CODE SEARCH** key until the indicator light illuminates. Then release the **CODE SEARCH** key.
4. Press and release the **DBS•SAT** key. The indicator light blinks and then remains lit.
5. Use the number keys on the remote to enter the first code listed for your brand. After you enter a valid three-digit code, the indicator light turns off.  
**Note:** If you enter an invalid code, the LED flashes rapidly for two seconds. Start over at step 3.
6. Aim the remote at the SATELLITE receiver. Press the **ON•OFF** key. If your SATELLITE receiver turns off, you have found the correct code.
7. Enter the code in the box provided on this page for future reference.
8. If your SATELLITE receiver does not turn off, repeat steps 3-6 above, entering the next code for your brand.  
If none of the codes work or your brand is not listed, use one of the Code Search methods to program this remote. (See Code Search section on page 11).

CODE SEARCH    INDICATOR LIGHT



DBS•SAT    (BLINK)



ON•OFF

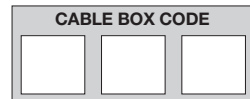
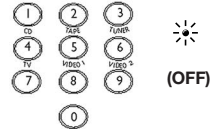
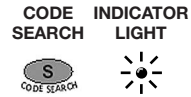


DBS (SATELLITE) CODE		

## Program for CABLE Box—Direct Entry Method

In order for the eight-component universal remote to control your CABLE box, you must program it with the code that matches your CABLE box. To program your remote to control your CABLE box, follow these steps:

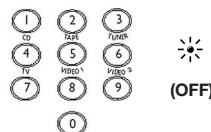
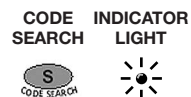
1. Manually turn on the CABLE box.
2. Locate the enclosed CABLE box Code List. Find your brand in the CABLE box Codes.  
**Note:** If your brand isn't listed, use one of the Code Search methods to program this remote control. (See section on Code Search on page 11).
3. Press and hold the **CODE SEARCH** key until the indicator light illuminates. Then release the **CODE SEARCH** key.
4. Press and release the **CABLE** key. The indicator light blinks and then remains lit.
5. Use the number keys on the remote to enter the first code listed for your brand. After you enter a valid three-digit code, the indicator light turns off.  
**Note:** If you enter an invalid code, the LED flashes rapidly for two seconds. Start over at step 3.
6. Aim the remote at the CABLE box. Press the **ON•OFF** key. If your CABLE box turns off, you have found the correct code.
7. Enter the code in the box provided on this page for future reference.
8. If your CABLE box does not turn off, repeat steps 3-6 above, entering the next code for your brand.  
If none of the codes work or your brand is not listed, use one of the Code Search methods to program this remote. (See Code Search section on page 11).



## Program for AUDIO Systems—Direct Entry Method

This remote control will operate many features found in AUDIO systems. To program your remote to control your audio component, follow these steps:

- Note:** CD systems need to be programmed using the DVD component key.
1. Manually turn on the AUDIO component you wish to control.
  2. Locate the enclosed AUDIO system Code List. Find your brand in the AUDIO Codes.  
**Note:** If your brand isn't listed, use one of the Code Search methods to program this remote control. (See section on Code Search on page 11).
  3. Press and hold the **CODE SEARCH** key until the indicator light illuminates. Then release the **CODE SEARCH** key.
  4. Press and release the **AUDIO** key. The indicator light blinks and then remains lit.
  5. Use the number keys on the remote to enter the first code listed for your brand. After you enter a valid three-digit code, the indicator light turns off.  
**Note:** If you enter an invalid code, the LED flashes rapidly for two seconds. Start over at step 3.





6. Aim the remote at the AUDIO component. Press the **ON•OFF** key. If your AUDIO component turns off, you have found the correct code. If your AUDIO component does not turn off, repeat steps 3-6 above, entering the next code for your brand.
7. With your AUDIO component on, press the **VOL+** (**VOLUME UP**) key. If the AUDIO component responds, no further programming is required.
8. Enter the code in the box provided on this page for future reference.
9. If none of the codes work or your brand is not listed, use one of the Code Search methods to program this remote. (See Code Search section on page 11).

ON•OFF



VOL+



AUDIO SYSTEM CODE		

## Operating AUDIO System Functions

The following is a list of instructions for operating Audio functions. Not all functions work for all brands. Experiment with your AUDIO system to determine which functions work with your components. See the enclosed AUDIO Code List to operate your brand of equipment.

### TURNING ON THE RECEIVER OR MINI-SYSTEM

Point the remote control at the receiver and press the **AUDIO** key and then the **ON•OFF** key to turn the system on.

### SELECTING A COMPONENT INPUT

Component inputs such as a DVD player or VCR may be selected depending on the features of your receiver or mini-system. Input selection may be made either by pressing the labeled number key or pressing the **FUNCTION** key to toggle through the inputs available on your system.

**Note:** You may need to experiment with your system since manufacturers' products do not all work in the same manner.

### USING THE NUMBER KEYS TO CHANGE AUDIO INPUTS

To select a component, press the number key (**1-6**) that corresponds with the component you want to operate (**CD, TAPE, TUNER, TV, VIDEO 1, or VIDEO 2**).

### USING THE FUNCTION KEY TO CHANGE AUDIO INPUTS

To select a component, press the **FUNCTION** key until the input you want to operate appears on your system.

### OPERATING THE AM-FM TUNER

1. Press the **AUDIO** key and then the **ON•OFF** key to turn the system on.
2. Press the **TUNER** (3) key.
3. Press the **AM•FM** key to toggle between AM and FM.
4. Use the Preset (**CH+ / CH-**) keys to move up and down channel presets.

### OPERATING A HOME THEATER SURROUND SOUND SYSTEM

1. Turn the TV on.
2. Press the **AUDIO** key and then the **ON•OFF** key to turn the system on.
3. Select the AUDIO input either by using the labeled number keys or the **FUNCTION** key.
4. Press the **VOL+** or **VOL-** keys to control volume.

**Note:** The **VOLUME** keys may operate both TV and receiver volume at the same time. If this presents a problem, it may be resolved by entering the TV menu and disabling the TV speakers.

### CONTROLLING THE SURROUND SOUND FEATURE

Press the **DELAY+** or **DELAY-** key to achieve the desired delay effect.

Press the **DSP ON•OFF** key to turn DSP (Digital Signal Processing) on or off.

Press the **DSP MODE** key until the desired effect is achieved.

Press the **TEST** key to listen to speaker levels.

Press **FRONT, CENTER, or REAR** keys to select speakers.

Press the **LEVEL+** or **LEVEL-** keys to adjust the speaker levels.



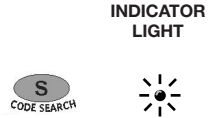
# Program for AUX—Direct Entry Method

The **AUX** key can be used to control any of the following components:  
TV, VCR, DVD/CD, Satellite Receiver, Cable Box, or an Audio component.

1. Manually turn on the component you wish to control.

Locate the enclosed component list. Find your component brand under the corresponding component list.

2. Press and hold the **CODE SEARCH** key until the **INDICATOR LIGHT** illuminates, then release the **CODE SEARCH** key.



3. Press and release the **AUX** key (The **INDICATOR LIGHT** will blink then remain lit). Then press the key for the component you want to program (TV, VCR, DVD, DBS•SAT, CABLE, AUDIO). Press the **DVD** key to program the **AUX** key for a CD player.

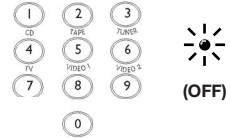
(BLINK)



4. Use the number keys on the remote to enter the first code listed for your brand. After you enter a valid three-digit code, the indicator light turns off.

**Note:** If you enter an invalid code, the LED flashes rapidly for two seconds. Start over at step 2.

5. Aim the remote at the component you wish to control and press the **ON•OFF** key. If your component turns off, you have found the correct code.



6. Enter the code in the box provided on this page for future reference.

ON•OFF



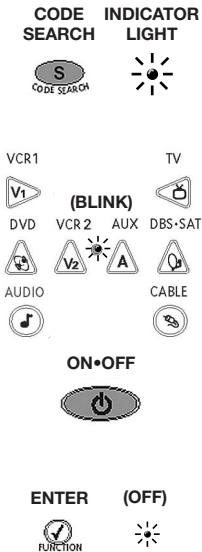
AUX CODE			
TV	VCR	CABLE	DBS
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CD	AUDIO	LD	DVD
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



# Code Search Methods

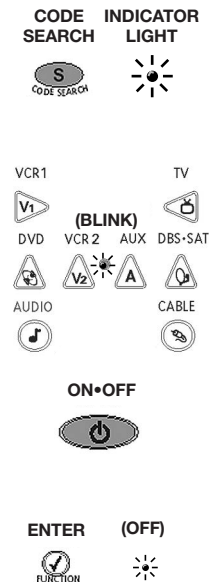
If your component's brand is not listed in the Code List or you have tried all the codes for your brand and the remote does not operate your component, use one of the Code Search methods below—Manual Code Search or Auto Code Search. Both Code Search methods search all of the codes since your component's code may be listed under another brand in the Code List.

**Note:** The Code Search method may take a long time because the remote searches all of the codes in its memory for the code that operates your component. Therefore, if your brand is listed in the Code List, use the Direct Entry method described on pages 5-9.



## Manual Code Search

1. Manually turn on the component you want the remote to operate.
2. Press and hold the **CODE SEARCH** key until the indicator light illuminates. Then release the **CODE SEARCH** key.
3. Press and release the component key that corresponds to the component you want the remote to operate (**TV, VCR, DVD, DBS•SAT, CABLE, AUDIO**). For an auxiliary component, press the **AUX** key, then the corresponding component key. For CD, press the **AUX** key, then the **DVD** key. The indicator light blinks once and then remains lit.
4. Aim the remote at the component. Press the **ON•OFF** key continuously until the component turns off.  
**Important:** Because there are so many codes, you may have to press the **ON•OFF** key many times—possibly up to 200 times.
5. When the component turns off, press the **ENTER** key to store the code.
6. Use the Code Retrieval section on the next page to identify the code for your component for future reference.



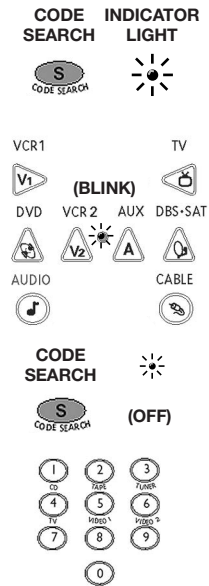
## Auto Code Search

1. Turn on the component you want the remote to operate.
2. Press and hold the **CODE SEARCH** key until the indicator light illuminates. Then release the **CODE SEARCH** key.
3. Press and release the component key that corresponds to the component you want the remote to operate (**TV, VCR, DVD, DBS•SAT, CABLE, AUDIO**). For an auxiliary component, press the **AUX** key, then the corresponding component key. For CD, press the **AUX** key, then the **DVD** key. The indicator light blinks once and remains lit.
4. Aim the remote at the component and press the **ON•OFF** key once. The remote automatically sends every code for the specified component one at a time, with the three-second delay between each code. Keep the remote aimed at the component throughout this process.
5. As soon as the component turns off, you must press the **ENTER** key immediately so the remote stores the correct code. If you do not press the **ENTER** key within three seconds, the remote sends the next code in the list, and you will have to start over from step 2.
6. Use Code Retrieval section on the next page to identify the code for your component for future reference.

## Code Retrieval

If you used one of the Code Search methods to program your remote, follow the steps below to find out which code is compatible with your component. Finding the actual code and writing it down will save you time if you ever need to program the remote again (e.g., if programming is lost when you change the batteries).

1. Press and hold the **CODE SEARCH** key until the indicator light illuminates. Then release the **CODE SEARCH** key.
2. Press and release the component key that matches the component's code you are retrieving (**TV, VCR, DVD, DBS•SAT, CABLE, AUDIO**). For an auxiliary component, press the **AUX** key, then the corresponding component key. For CD, press the **AUX** key, then the **DVD** key. The indicator light blinks once and then remains lit.
3. Press and release the **CODE SEARCH** key. The indicator light turns off.
4. Starting with 0 on the keypad, press the number keys in order (0-9) until the indicator light blinks.
5. The number that causes the indicator light to blink is the first digit of your code.
6. Repeat step 4 until you have retrieved all three numbers of the code.
7. Refer to the code box to write down the code for your component within the Direct Entry section (page 5-10) for the component just programmed.

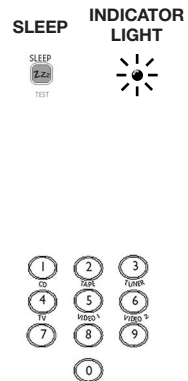


## Sleep Feature

The Sleep feature turns off your TV automatically at a duration you choose from 1 to 99 minutes. To program your remote to control the Sleep feature, follow these steps:

### Programming the Sleep Timer

1. Press and hold the **SLEEP** key until the indicator light illuminates. Release the **SLEEP** key.
2. Enter time in minutes using the numerical keypad. The indicator light should turn off. (Minute 1 thru 9: press 0 before the actual number. Maximum: 99 minutes).
3. Leave remote aimed at television. (**IMPORTANT:** The Sleep feature will not work unless remote is left aimed at television.)



### Canceling the Sleep Timer

The Sleep Timer program can be cancelled and reset to zero by either of the following:

1. Press and hold the **SLEEP** key until the indicator light blinks.

OR

2. Press the **ON•OFF** key, turning the TV off.



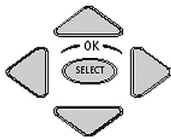
# On-screen Menus

This remote cannot access every menu system of all models and brands of consumer electronics components. However, if you've successfully programmed the **DVD•AUX** key to operate a DVD player, you can access DVD disc menus with the **MENU** key.

The **MENU** key will access TV menu systems for most RCA, GE and PROSCAN TVs, as well as some other popular brands. In addition, some RCA VCR menus are supported by this remote's **MENU** key. This remote also supports select SATELLITE receiver menus.

If this remote's **MENU** key doesn't access the menu system for your component, you'll need to use the original remote to change menu settings.

**Note:** This remote's **MENU** key doesn't support CABLE box menu systems and some VCR menu systems.



MENU•PROG



SELECT



ENTER



## Accessing a Menu System

To access a menu system, follow these steps:

1. Make sure your components are turned on and your TV is set to the component's input.
2. Press the component key on the remote (**TV**, **DVD**, **DBS•SAT**) for the desired menu screen.
3. Press the **MENU** key.
4. The menu for the component you have chosen should be visible on your television.

## Highlighting and Selecting Menu Items

To navigate on-screen menus, use the **ARROW** keys.

**Note:** For RCA, GE or PROSCAN TVs, press the **MENU** key to select the highlighted item. If menu items have numbers next to them, you can use the number keys to select an item. Additionally, the **SELECT** key can be used to select menu choices.

- For users of RCA, GE and PROSCAN DBS products, older DBS models require that the **INFO** or **MENU** key on this remote be used to make program selections. Use the **SELECT** key for making program selections on newer RCA, GE and PROSCAN DBS models.
- For Sony products, pressing the **ENTER** key while in Menu Mode returns you to the previous menu.
- In some menu systems, you must press the **ENTER** key to select the highlighted item.
- All functions in competitive models and brands of products may not be fully supported.
- Because of the wide variety of menu formats, some experimenting may be required.



This is an example of a DVD disc on-screen menu. English is the menu choice highlighted. Using this remote control, you would press the **SELECT** key to choose English.

To highlight another language, press the **DOWN ARROW** key. (In the example above, the highlight would move to Español.)

CLEAR



## Exiting a Menu System

To exit the Menu Mode, press the **CLEAR** key. The remote reverts back to its normal operation.

# Troubleshooting

## **Problem: The remote can't be programmed to operate your component.**

- You may be too far away from the component or at a wrong angle. This remote uses IR (infrared) technology to communicate with components. The remote sends the code and the component's IR sensor reads the code.

Therefore, there must be an unobstructed path between the remote and the IR sensor on the component. Move closer and make sure you point the remote at the component (VCR when programming the **VCR1** or **VCR2** key; DVD/CD when programming the **DVD** key; TV when programming the **TV** key; CABLE box when programming the **CABLE** key; SATELLITE receiver when programming the **DBS•SAT** key).

- If you've entered all of the codes for your brand that are in the enclosed Code Lists and followed the instructions, try one of the Code Search methods (See Code Search on page 11).
- You must put the remote in the correct mode by pressing the corresponding component key (**TV, VCR1 or VCR2, DVD, DBS•SAT, CABLE, AUDIO, AUX**) so the remote knows which component you want to operate.
- To program the eight-component universal remote to operate a combination unit (TV/VCR or TV/DVD), first try the VCR or DVD codes for your brand. Some units, however, require that you program both the **TV** key (using the TV codes) and the **VCR** or **DVD** key (using the VCR or DVD codes) for full operation.
- To program the eight-component universal remote to operate a combination unit (VCR/DVD), program the **VCR** key using the VCR codes and then program the **DVD** key using the DVD codes.

## **Problem: The indicator light does not light when you press a key.**

- You must put the remote in the correct mode by pressing the corresponding component key (**TV, VCR1 or VCR2, DVD, DBS•SAT, CABLE, AUDIO, AUX**) so the remote knows which component you want to operate.
- You may have pressed an invalid key for the mode the remote is in (e.g., the **RECORD** key only works in VCR Mode).
- Make sure the batteries are properly installed. (See Battery Installation on page 3).
- Replace the batteries with two new AA batteries. Reprogramming may be required.

## **Problem: The remote does not operate your component.**

- You must put the remote in the correct mode by pressing the corresponding component key (**TV, VCR1 or VCR2, DVD, DBS•SAT, CABLE, AUDIO, AUX**) so the remote knows which component you want to operate.
- Remove any obstacles between the remote and the component. Make sure to aim the remote at the IR sensor on the component.
- Make sure the batteries are properly installed. (See Battery Installation on page 3).
- Replace the batteries with two new AA batteries. Reprogramming may be required.
- Reset the remote. Remove the batteries. Then press and hold the number 1 key on the remote for several seconds to reset the microprocessor inside the remote. Release the number 1 key, reinstall the batteries, and try the remote again. Reprogramming will be required.

## **Problem: The remote is not performing commands properly.**

- You must put the remote in the correct mode by pressing the corresponding component key (**TV, VCR1 or VCR2, DVD, DBS•SAT, CABLE, AUDIO, AUX**) so the remote knows which component you want to operate.
- Make sure the component is "ready" (e.g., DVD player has disc loaded; VCR has tape loaded, etc.).
- You may have pressed an invalid key for the mode the remote is in (e.g., the **RECORD** key only works in VCR Mode).
- If you are trying to turn on an RCA, GE or PROSCAN component, press the component key (**TV, VCR1 or VCR2, DVD, DBS•SAT, CABLE, AUDIO, AUX**) instead of the **ON•OFF** key.
- If operating a VCR to record, you must press the **RECORD** key twice.
- If you're trying to change channels, 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 component features (e.g., only turns a component on and off). Follow the steps provided for programming the remote (See Programming sections on pages 5-9). If the component can be turned on and off, make sure you press the **CH+/CH-** key to see if the component responds. If not, try the next code from the list.

## Troubleshooting (continued)

### **Problem: The VCR won't record.**

- As a safety feature, you must press the **RECORD** key twice to begin recording.
- Make sure the tape is properly loaded in the VCR.
- Make sure the tape is not write-protected. If the safety tab is removed, the tape is write-protected and you cannot record onto that tape.

### **Problem: The remote will not change channels.**

- You must put the remote in the correct mode by pressing the corresponding component key (**TV, VCR1 or VCR2, DVD, DBS•SAT, CABLE, AUDIO, AUX**) so the remote knows which component you want to operate.
- Press the **ENTER** key after you enter a channel number.

### **Problem: The component's menu doesn't appear on the TV screen.**

- The TV must be tuned to the Video Input that matches the manner in which you connected the component to the TV.

For example, if you connected your DVD player to your TV by connecting audio/video cables (usually color-coded yellow, red and white) to the TV's Input 1 jack, you must tune the TV to its Video 1 Input channel. Remember, different manufacturers label these jacks differently. Consult the instruction manual that came with the TV for more information.

- You must put the remote in the correct mode by pressing the corresponding component key (**TV, VCR1 or VCR2, DVD, DBS•SAT, CABLE, AUDIO, AUX**) so the remote knows which component you want to operate.
- Menu access isn't supported for all brands. If that's the case, you need to use your original remote control to access menu functions for these components.

**If you have further questions, please visit [www.rca.com](http://www.rca.com).**







Jensen	.....	055, 056, 084, 111
JVC	.....	009, 010, 011, 018, 111, 123, 138
Kenwood	.....	009, 010, 011, 016, 018, 111, 123
KLH	.....	.....061
Kodak	.....	014, 021, 054
LG	.....	.....014, 054
Lloyd's	.....	.....026
Logik	.....	.....061
LXI	.....	.....014, 054
Magnavox	.....	021, 022, 062, 063, 104, 105, 108, 124
Magnin	.....	.....013
Marantz	.....	009, 010, 011, 016, 018, 021, 022, 062, 064, 076
Marta	.....	.....014
Matsushita	.....	.....021
MEI	.....	.....021
Memorex	.....	001, 011, 013, 014, 021, 022, 023, 026, 031
NEC	.....	.....054, 104, 130
MGA	.....	029, 065, 113
MGN Technology	.....	.....013
Midland	.....	.....053
Minolta	.....	.....055, 056, 084, 107
Mitsubishi	.....	029, 055, 056, 065, 066, 067, 068, 069, 070
	.....	071, 072, 073, 074, 084, 106, 113, 123
Montgomery Ward	.....	.....001, 075
Motorola	.....	.....001, 021
MTC	.....	.....013, 126
Multitech	.....	.....013, 016, 026, 055, 061
NEC	.....	009, 010, 011, 016, 018, 064, 076, 078, 079, 111, 123
Nikko	.....	.....014, 054
Noblex	.....	.....013
Olympus	.....	.....021
Optimus	.....	001, 014, 054
Optonica	.....	.....096
Orion	.....	.....000, 031, 086, 089, 130
Panasonic	.....	021, 022, 109, 125, 126, 127, 265, 266
Pentax	.....	016, 055, 056, 084, 107, 120,
Pentax Research	.....	.....018
Philco	.....	.....021, 022, 062, 063
Philips	.....	021, 022, 062, 096, 124, 139
Pilot	.....	.....014
Pioneer	.....	010, 055, 080, 081, 123
Portland	.....	.....016, 017, 019, 110
PROSCAN	.....	000, 083, 086, 089
Protec	.....	.....061
Pulsar	.....	.....104
Quarter	.....	.....011
Quartz	.....	.....011
Quasar	.....	021, 022, 125
Radio Shack	.....	.....001, 014, 050, 054, 096
Radio Shack/Realistic	.....	011, 013, 014, 021, 022, 023, 026
	.....	029, 049, 050, 054, 096
Radix	.....	.....014, 054
Randco	.....	.....014
RCA	.....	000, 003, 007, 013, 021, 022, 055, 056, 082, 083, 084
	.....	085, 086, 087, 088, 089, 090, 091, 100, 107, 115, 120
	.....	125, 140, 267
Realistic	.....	001, 011, 013, 014, 015, 021, 022, 023, 026, 029,
	.....	049, 054, 096
Ricoh	.....	.....128
Runco	.....	.....104
Samsung	.....	005, 013, 015, 033, 053, 112, 141, 142
Sanky	.....	.....001, 104
Sansui	.....	010, 031, 092, 111, 123, 130
Sanyo	.....	011, 013, 023, 143
Scott	.....	012, 015, 025, 032, 038, 065, 116
Sears	.....	000, 011, 014, 021, 023, 026, 028, 048, 049, 050, 051
	.....	054, 055, 056, 084, 086, 089, 107, 118
Sharp	.....	001, 017, 029, 094, 095, 096, 097
Shintom	.....	.....056, 061, 084, 098, 119
Shogun	.....	.....013
Signature	.....	.....001
Singer	.....	.....021, 061, 128
Sony	.....	098, 099, 119, 144
STS	.....	.....021, 107
Sylvania	.....	021, 022, 026, 062, 063, 065, 124, 268
Symphonic	.....	.....026
Tandy	.....	.....011
Tashiko	.....	.....014, 054
Tatung	.....	.....111
Teac	.....	.....026, 085, 111
Technics	.....	.....021, 109
Teknika	.....	014, 021, 022, 026, 054, 100, 129
TMK	.....	.....013, 024, 047
Toshiba	.....	015, 049, 051, 055, 065, 113, 116, 118
Totevision	.....	.....013, 014, 054
Unitech	.....	.....013
Vector Research	.....	009, 010, 015, 016
Victor	.....	.....013
Video Concepts	.....	009, 010, 015, 016, 113
Videosonic	.....	.....013
Wards	.....	001, 013, 014, 015, 021, 022, 023, 026, 029, 054,
	.....	055, 056, 061, 084, 088, 090, 096, 101, 102, 103
	.....	107, 116
XR-1000	.....	.....021, 026, 061
Yamaha	.....	009, 010, 011, 018, 111
Zenith	.....	026, 098, 104, 119, 128, 130, 145

## PVR/DVR Codes

RePlay .....316

Tivo .....315

## DVD Player Codes

Aiwa	.....	.....350
Allegro	.....	.....510
Apex	.....	372, 373, 374
Broksonic	.....	500, 600
Daewoo	.....	.....375
Emerson	.....	376, 377, 501
Funai	.....	.....377
GE	.....	160, 370, 378
Go Video	.....	.....502
Hitachi	.....	351, 379
JBL	.....	.....251
JVC	.....	161, 252, 352, 386, 503
Kenwood	.....	.....380
Konka	.....	353, 354
Koss	.....	253, 254, 381
Lasonic	.....	.....382
Magnavox	.....	162, 357, 358, 383
Memorex	.....	.....384
Mintek	.....	.....385
Mitsubishi	.....	.....163
NAD	.....	.....376

Onkyo	.....	.....255, 387
Orion	.....	.....392
Panasonic	.....	256, 257, 300, 301, 355, 388
Philips	.....	162, 258, 356, 357, 358, 389, 504
Pioneer	.....	.....165, 259, 390, 391
PROSCAN	.....	.....160, 370
Qwestar	.....	.....392
RCA	.....	160, 260, 302, 370, 371, 393, 409, 505, 601
Samsung	.....	394, 395, 396, 506, 507
Sansui	.....	.....397, 602
Sanyo	.....	.....359, 508
Sharp	.....	398, 399, 400, 401
Sony	.....	166, 261, 360, 361, 402, 403, 404, 509
Sylvania	.....	.....303, 377
Toshiba	.....	162, 167, 362, 363, 405, 406, 407, 603
Venturer	.....	.....262
Xbox ®*	.....	.....160
Yamaha	.....	.....258
Zenith	.....	.....364, 408, 510

\*Requires use of Xbox ® DVD playback kit.

## Portable DVD Player Codes

RCA .....371

Sharp .....399

## CD Player Codes

ADC	.....	200, 201, 220
ADO	.....	.....201
Aiwa	.....	175, 203
Akai	.....	.....205
Denon	.....	.....208
Dynatech	.....	.....177
Emerson	.....	.....178
Fisher	.....	179, 212, 213
GE	.....	.....216
Hitachi	.....	.....180
Inkel	.....	.....220
JVC	.....	181, 221
Kenwood	.....	183, 222, 224
Luxman	.....	.....225
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Mitsubishi	.....	.....229, 230
Nakamichi	.....	.....232, 233
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Onkyo	.....	186, 234, 235
Optimus	.....	237, 238, 239
Panasonic	.....	.....188
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Sanyo	.....	.....250
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Sherwood	.....	.....243
Sony	.....	195, 209, 244
Teac	.....	245, 246, 247
Technics	.....	.....197
Toshiba	.....	.....231
Yamaha	.....	198, 199, 248

## TV/VCR Combo Codes

Broksonic	.....	TV	VCR
	.....	250	235

## TV/DVD Combo Codes

Broksonic	.....	TV	DVD
	.....	280	600
RCA	.....	281	601

Sansui	.....	TV	DVD
	.....	282	603
Toshiba	.....	283	603

## TV/VCR/DVD Combo Codes

	TV	VCR	DVD
Panasonic .....	350	265	300
	351	266	301

	TV	VCR	DVD
RCA .....	352	267	302
Sylvania .....	353	268	303

## VCR/DVD Combo Codes

	VCR	DVD
Broksonic .....	135	500
Emerson .....	136	501
Go Video .....	137	502
JVC .....	138	503
Philips .....	139	504
RCA .....	140	505

	VCR	DVD
Samsung .....	141	506
Sanyo .....	142	507
Sanyo .....	143	508
Sony .....	144	509
Zenith .....	145	510

## Home Theater (HTIB) Systems Codes

	DVD	Audio
JBL .....	251	300
JVC .....	252	301
Koss .....	253	302
	254	303
Onkyo .....	255	304
Panasonic .....	256	305
Panasonic .....	257	306

	DVD	Audio
Philips .....	258	307
Pioneer .....	259	308
RCA .....	260	309
Sony .....	261	310
Venturer .....	262	311

## Satellite Codes

Alphastar .....	079
Bell ExpressVu .....	078, 091
Chaparral .....	056, 057
Dish Network .....	078, 089, 091
Drake .....	058, 059
Echostar .....	089
GE .....	047, 071, 080, 081, 093
General Instruments .....	060, 061, 062
Hitachi .....	083, 084
Hughes Network Systems .....	077, 083, 090
JVC .....	082
Magnavox .....	085
Motorola .....	047, 071, 080, 081
Panasonic .....	075

Philips .....	085
Primestar .....	076
PROSCAN .....	047, 071, 080, 081, 093
RCA .....	047, 071, 080, 081, 093
Realistic .....	063
Sony .....	072
Star Choice .....	076, 092
STS1 .....	064
STS2 .....	065
STS3 .....	066
STS4 .....	067
Toshiba .....	068, 073
Uniden .....	086

## HDTV Tuner Codes

RCA .....	200
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## Cable Box Codes

ABC .....	001, 003, 004, 005, 006, 007
Antronix .....	008, 009
Artek .....	008, 009, 010, 011
Cabletenna .....	008
Cableview .....	008
Century .....	011
Citizen .....	011
Colour Voice .....	012, 013
Comtronics .....	015
Contec .....	016
Eastern .....	017
Garrard .....	011
GC Electronics .....	009
GE .....	000, 003
Gemini .....	018, 019
General Instruments .....	000, 001, 003, 046, 049
Hamlin .....	020, 021, 022, 028, 035
Hitachi .....	003
Jasco .....	011
Jerold .....	000, 001, 003, 005, 007, 018, 023, 024, 046, 049
Magnavox .....	025
Motorola .....	000, 003, 046
Movie Time .....	027, 028
NEC .....	005
NSC .....	027, 028
Oak .....	016, 029
Panasonic .....	000, 048

Philips .....	011, 012, 013, 015, 019, 025, 030, 031, 032
Pioneer .....	033, 034
PROSCAN .....	003
RCA .....	000, 007, 049
Realistic .....	009
Regal .....	022, 035
Regency .....	017
Rembrandt .....	003
Samsung .....	034
Scientific Atlanta .....	006, 036, 037, 038
Signal .....	018
Signature .....	003
Sprucer .....	000
Standard Component .....	039, 044
Starcom .....	001, 007, 018
Stargate .....	018
Starquest .....	018
Tocom .....	004, 023
Tusa .....	018
TV85 .....	027
Unika .....	008, 009, 011
United Cable .....	001
Universal .....	008, 009, 010, 011
Video Way .....	044
View Star .....	015, 016, 025, 027
Zenith .....	000, 050, 051

## Audio System Codes

Aiwa .....	250, 251, 252, 253, 254, 255, 256, 268
Denon .....	274
Harman Kardon .....	267
JBL .....	300
JVC .....	257, 267, 301
Kenwood .....	258
Koss .....	302, 303
Onkyo .....	269, 304
Optimus .....	275
Panasonic .....	270, 271, 305, 306
Philips .....	307
Pioneer .....	308

RCA .....	259, 264, 265, 266, 309
Shenwood .....	273
Sony .....	260, 261, 272, 310, 312
Technics .....	270, 271
Venturer .....	311
Yamaha .....	262, 263

## Laser Disc Player Codes

RCA .....	133
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RC3533 US CODELIST REV A



# Remote

Compatible with today's most popular brands.

U  
N  
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R  
S  
A  
L



TV



DVD or VCR



CABLE

remote

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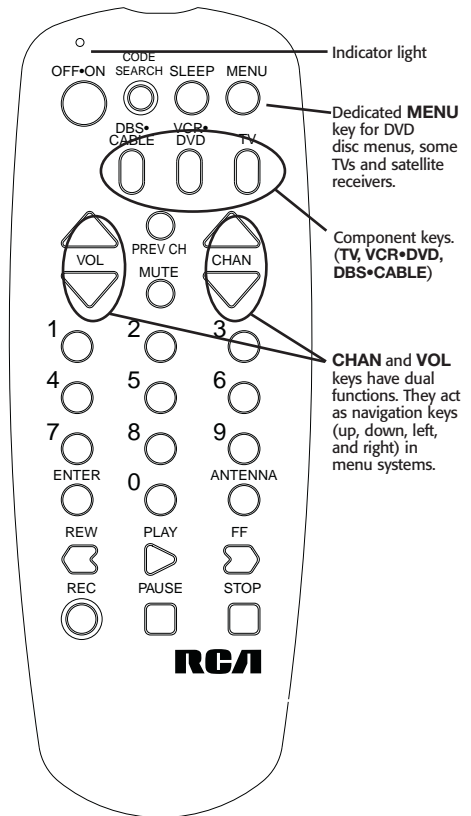
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## 3 Component Universal Remote

This universal remote controls up to three electronic components. You can program this RCA brand universal remote to operate most models of most brands of infrared, remote-controlled components manufactured after 1990. (See the enclosed Code List for a complete list of brands.)

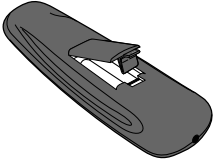
**Note:** The 3 component universal remote is already programmed to operate most RCA, GE and PROSCAN branded TVs, VCRs, DVD players and satellite receivers (DBS). Just press the corresponding component key—**VCR•DVD** for a VCR or DVD player; **TV** for a television; **DBS•CABLE** for a satellite receiver or a cable box.



Actual model may vary from picture shown

# Battery Installation and Information

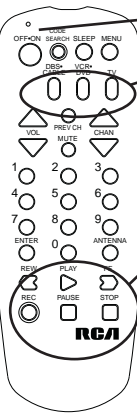
Your universal remote requires two AAA Alkaline batteries (batteries may or may not be included, depending on model). To install the batteries:



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

**Note:** Reprogramming may be required after batteries are replaced.

## Key Descriptions



**Indicator Light**—flashes when a valid key is pressed to indicate the remote is working. Status of this light is important when you are programming the remote.

**Component keys (DBS•CABLE, VCR•DVD, TV)**: selects the component you want the remote to operate.

For example, after you've programmed the remote to operate your TV, you must press the **TV** key first to put the remote in TV Mode. While in TV Mode, the **CHAN** keys change the channel on the TV, the **VOL** keys adjust the TV's volume, etc.

**Transport keys—REW (Rewind), PLAY, FF (Fast Forward), PAUSE, STOP**: operate the same as your original VCR or DVD remote control, although key labels may vary (**REVERSE, FORWARD**).

## Other Keys (listed alphabetically)

**0-9 (Number Keys)**: operate the same as number keys on your original remote and are used to enter component codes when programming the remote control with Direct Entry method.

**ANTENNA**: in TV mode, switches between the signal coming from a satellite receiver or cable box and an off-air antenna. In VCR mode, switches between the signal coming from a VCR and a TV.

**CHAN (Channel) UP AND DOWN**: goes to the next highest or lowest channel number in the component channel list, respectively, except for DVDs. In DVDs the **CHAN UP/DOWN** goes to the **NEXT/PREVIOUS** chapter. Additionally, when you're using the remote with On-screen Menus, the **CHAN** keys act as **UP ARROW** and **DOWN ARROW** keys (moving the cursor or highlight up or down).

**CODE SEARCH**: use to program the remote.

**ENTER**: use with Manual or Automatic Code Search method to accept code (See Code Search on page 24). Also, some brands require you to press the **ENTER** key after you enter a channel number. In some menu systems, you must press **ENTER** to select a highlighted item.

**MENU**: accesses DVD disc menus when **VCR•DVD** key is programmed to operate a DVD player. Accesses menu systems of some TVs, a few RCA brand VCRs and satellite receivers. (For more information, refer to Using On-screen Menus section on page 10).

**MUTE**: lowers the TV's volume to its minimum level.

**ON•OFF**: turns component on and off. **Note:** Some RCA, GE and PROSCAN models require that you press the component key to turn ON the component and the **ON•OFF** key to turn OFF the component.

**PREV CH (Previous Channel)**: switches back to previous channel—operates the same as **LAST CHANNEL, GO BACK** or **RECALL** key found on some brands of remote controls.

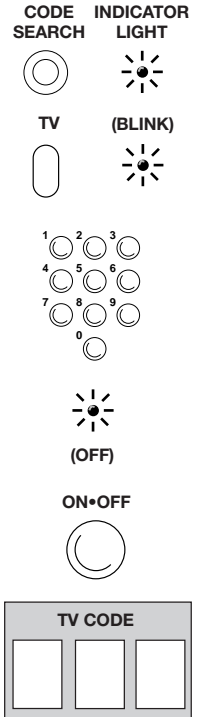
**REC (Record)**: used with VCR to record programming. You must press the **REC** key twice to start recording.

**VOL (Volume) UP and DOWN**: increases or decreases the TV's volume level. Additionally, when you're using the remote with On-screen Menus, the **VOL** keys act as **RIGHT** or **LEFT ARROW** keys (moving the highlight or cursor right or left).

## Program for TV—Direct Entry Method

In order for the 3 component universal remote to control your TV, you must program it with the TV code that matches your TV. These instructions explain the preferred method of programming the remote—the Direct Entry method.

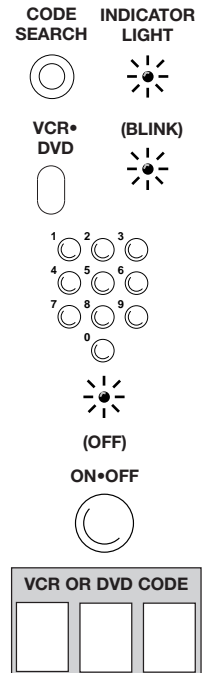
1. Manually turn on the TV.
2. Locate the enclosed TV Code List. Find your brand of TV.  
**Note:** If your brand isn't listed, use one of the Code Search methods to program this remote control (See Code Search on page 24).
3. Press and hold the **CODE SEARCH** key until the indicator light illuminates. Then release the **CODE SEARCH** key.
4. Press and release the **TV** key. The indicator light blinks and then remains lit.
5. Use the number keys to enter the first code listed for your brand.  
After you enter a valid three-digit code, the indicator light turns off.  
**Note:** If you enter an invalid code, the LED will flash rapidly for 2 seconds. Start over at step 3.
6. Aim the remote at your TV and press the **ON•OFF** key. If your TV turns off, you have found the correct code.
7. Enter the code in the box provided on this page for future reference.
8. If your TV doesn't turn off, repeat steps 3-6 above, entering the next code for your brand.  
If none of the codes work or your brand is not listed, use one of the Code Search methods to program this remote (See Code Search on page 24).  
For a description of each key on the remote control, refer to the Key Descriptions section on page 21.



## Program for DVD or VCR—Direct Entry Method

In order for the 3 component universal remote to control your DVD or VCR, you must program it with the code that matches your component. The **VCR•DVD** key can be programmed to operate either a DVD or a VCR player. These instructions explain the preferred method of programming the remote—the Direct Entry method.

1. Manually turn on the VCR or DVD player.
2. Locate the enclosed VCR or DVD Code List. Find your brand in the VCR Codes or DVD Codes section, respectively.  
**Note:** If your brand isn't listed, use one of the Code Search methods to program this remote control (See Code Search on page 24).
3. Press and hold the **CODE SEARCH** key until the indicator light illuminates. Then release the **CODE SEARCH** key.
4. Press and release the **VCR•DVD** key. The indicator light blinks and then remains lit.
5. Use the number keys on the remote to enter the first code listed for your brand.  
After you enter a valid three-digit code, the indicator light turns off.  
**Note:** If you enter an invalid code, the LED will flash rapidly for 2 seconds. Start over at step 3.
6. Aim the remote at the component (VCR or DVD player). Press the **ON•OFF** key. If your VCR or DVD player turns off, you have found the correct code.
7. Enter the code in the box provided on this page for future reference.
8. If your VCR or DVD player doesn't turn off, repeat steps 3-6 above, entering the next code for your brand.  
If none of the codes work or your brand is not listed, use one of the Code Search methods to program this remote (See Code Search on page 24).  
For a description of each key on the remote control, refer to the Key Descriptions section on page 21.



# Program for Satellite or Cable Box—Direct Entry Method

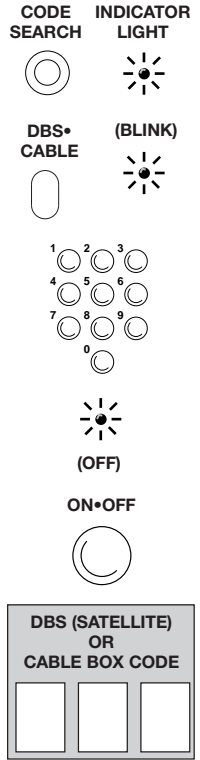
In order for the 3 component universal remote to control your satellite or cable box, you must program it with the code that matches your component. The **DBS•CABLE** key can be programmed to operate either a satellite receiver or a cable box. These instructions explain the preferred method of programming the remote—the Direct Entry method.

1. Manually turn on the satellite receiver or cable box.
2. Locate the enclosed Satellite or Cable Box Code List. Find your brand in the Satellite Codes or Cable Box Codes section, respectively.
 

**Note:** If your brand isn't listed, use one of the Code Search methods to program this remote control (See Code Search on page 24).
3. Press and hold the **CODE SEARCH** key until the indicator light illuminates. Then release the **CODE SEARCH** key.
4. Press and release the **DBS•CABLE** key. The indicator light blinks and then remains lit.
5. Use the number keys on the remote to enter the first code listed for your brand. After you enter a valid three-digit code, the indicator light turns off.
 

**Note:** If you enter an invalid code, the LED will flash rapidly for 2 seconds. Start over at step 3.
6. Aim the remote at your satellite receiver or cable box and press the **ON•OFF** key. If your Satellite receiver or cable box turns off, you have found the correct code.
7. Enter the code in the box provided on this page for future reference.
8. If your satellite receiver or cable box doesn't turn off, repeat steps 3-6 above, entering the next code for your brand.
 

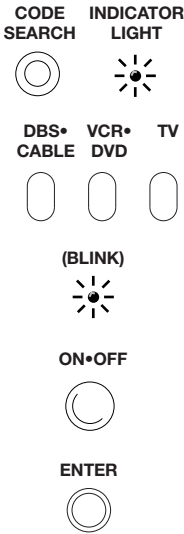
If none of the codes work or your brand is not listed, use one of the Code Search methods to program this remote (See Code Search on page 24).  
For a description of each key on the remote control, refer to the Key Descriptions section page 21.



# Code Search Methods

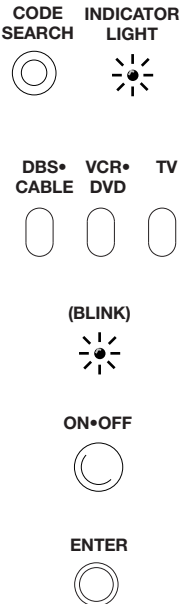
If your component's brand isn't listed in the Code List or you have tried all of the codes for your brand and the remote does not operate your component, use one of the Code Search methods below—Manual Code Search or Auto Code Search. Both Code Search methods search all of the codes because your component's code may be listed under another brand in the code list.

**Note:** The Code Search method may take a long time because the remote searches all of the codes in its memory for the code which operates your component. Therefore, if your brand is listed in the Code List, use the Direct Entry method described on pages 22-23.



## Manual Code Search

1. Turn on the component you want the remote to operate.
2. Press and hold the **CODE SEARCH** key until the indicator light illuminates. Then release the **CODE SEARCH** key.
3. Press and release the component key that corresponds to the component you want the remote to operate (**TV**, **VCR•DVD** or **DBS•CABLE**). The indicator light blinks once and then remains lit.
4. Aim the remote at the component and press the **ON•OFF** key continuously until the component turns off.  
**Important:** Because there are so many codes, you may have to press the **ON•OFF** key many times—possibly up to 200 times.
5. When the component turns off, press the **ENTER** key to store the code.
6. Use Code Retrieval on the next page to identify the code for your component for future reference.



## Auto Code Search

1. Turn on the component you want the remote to operate.
2. Press and hold the **CODE SEARCH** key until the indicator light illuminates. Then release the **CODE SEARCH** key.
3. Press and release the component key that corresponds to the component you want the remote to operate (**TV**, **VCR•DVD** or **DBS•CABLE**). The indicator light blinks once and then remains lit.
4. Aim the remote at the component and press the **ON•OFF** key once. The remote automatically sends every code for the specified component one at a time, with a 3 second delay between each code. Keep the remote aimed at the component throughout the process.
5. As soon as the component turns off, you must press the **ENTER** key immediately so the remote stores the correct code. If you don't press **ENTER** within 3 seconds, the remote will send the next code in the list, and you will have to start over from step 2.
6. Use Code Retrieval to identify the code for your component for future reference.



# Code Retrieval

If you used one of the Code Search methods to program your remote, follow the steps below to find out which code is compatible with your component. Finding the actual code and writing it down will save you time if you ever need to program the remote again (e.g., if programming is lost when you change the batteries).



1. Press and hold the **CODE SEARCH** key until the indicator light illuminates. Then release the **CODE SEARCH** key.
2. Press and release the component key that matches the component's code you are retrieving (**TV**, **VCR•DVD**, or **DBS•CABLE**). The indicator light blinks once and then remains lit.
3. Press and release the **CODE SEARCH** key. The indicator light turns off.
4. Starting with 0 on the keypad, press the number keys in order (0-9) until the indicator light blinks.
5. The number that causes the indicator light to blink is the first digit of your code.
6. Repeat step 4 until you have retrieved all three numbers of the code.
7. Refer to the code box to write down the code for your component within the Direct Entry Section (pages 22-23) for the component just programmed.

# Sleep Feature (Select Models Only)

This feature will automatically turn off your TV at a duration you choose from 1 to 99 minutes.



## PROGRAMMING SLEEP FEATURE

1. Press and hold the **SLEEP** key until the indicator light illuminates. Release the **SLEEP** key.
2. Enter time in minutes using the numerical key pad. The indicator light should turn off. (Minute 1 thru 9: press 0 before the actual number. Maximum: 99 minutes).
3. Leave remote aimed at television. (Sleep Feature will not work unless remote is left aimed at television.)

## CANCELING THE SLEEP TIMER

The Sleep Timer program will be canceled and reset to zero by either of the following.

1. Press and hold the **SLEEP** key until the indicator light blinks.
2. Press the **ON•OFF** key, turning TV off.

# Using On-screen Menus

This remote cannot access every menu system of all models and brands of consumer electronics components. However, if you've successfully programmed the **VCR•DVD** key to operate a DVD player, you can access DVD disc menus with the **MENU** key.

The **MENU** key will also access TV menu systems for most RCA, GE and PROSCAN TV's, as well as some other popular brands. Also, some RCA VCR menus are supported by this remote's menu key. This remote also supports select satellite receiver menus.

If this remote's **MENU** key doesn't access the menu system for your component, you'll need to use the original remote to change menu settings.

**Note:** This remote's **MENU** key doesn't support cable box menu systems and some VCR menu systems.

## Accessing a Menu System



1. Make sure your components are turned on and your TV is set to the component's input.
2. Press the component key on the remote (**TV**, **VCR•DVD** or **DBS•CABLE**).
3. Press the **MENU** key. The indicator light blinks continuously to indicate the remote is in Menu Mode and the component's menu should appear on the TV screen.

## Highlighting and Selecting Menu Items

To navigate On-screen Menus, use the **VOL UP/DOWN** and/or **CHAN UP/DOWN** keys.

**VOL UP/DOWN** keys move the cursor (or the highlight) right/left. **CHAN UP/DOWN** keys move the cursor (or the highlight) up/down.

For RCA, GE or PROSCAN products, press the **MENU** or **ENTER** key to select the highlighted item. If menu items have numbers next to them, you can use the number keys to select an item. Additionally, the **ENTER** key can be used to select menu choices.

For Sony products, pressing the **ENTER** key while in Menu Mode returns you to the previous menu.



This is an example of a DVD disc On-screen Menu. English is the menu choice highlighted. Using this remote control, you would press the **ENTER** key to select English.

To highlight another language, you would press the **CHAN DOWN** key (In the example above, the highlight would move to Español).

### Notes:

All functions in competitive models and brands of products may not be fully supported.

The remote will automatically time out in Menu Mode and the indicator light will stop blinking after approximately 10 seconds of inactivity (no keys being pressed). For DVD menus, the Menu Mode will time out after approximately 15 seconds.

Because of the wide variety of menu formats, some experimenting may be required.

## Exiting a Menu System

To exit Menu Mode, press the corresponding component key on the remote (**TV**, **VCR•DVD** or **DBS•CABLE**). The indicator light goes out and the remote reverts to its normal mode of operation.

# Troubleshooting

## **Problem: The remote can't be programmed to operate your component.**

- You may be too far away from the component or at a wrong angle. This remote uses IR (infrared) technology to communicate with components. The remote sends the code and the component's IR sensor reads the code.  
Therefore, there must be an unobstructed path between the remote and the IR sensor on the component. Move closer and make sure you point the remote at the component (VCR or DVD player when programming the **VCR•DVD** key; TV when programming the **TV** key; cable box or satellite receiver when you're programming the **DBS•CABLE** key).
- If you've entered all of the codes for your brand that are in the accompanying Code List and followed the instructions, try one of the Code Search methods (See Code Search on page 24)
- You must put the remote in the correct mode by pressing the corresponding component key (**TV**, **VCR•DVD**, **DBS•CABLE**) so the remote knows which component you want to operate.
- To program the 3 component universal remote to operate a combination unit (TV/VCR or TV/DVD), first try the VCR or DVD codes for your brand. Some units, however, require that you program both the TV (using the TV codes) and the VCR or DVD (using the VCR or DVD codes) for full operation.

## **Problem: The indicator light does not light when you press a key.**

- You must put the remote in the correct mode by pressing the corresponding component key (**TV**, **VCR•DVD**, **DBS•CABLE**) so the remote knows which component you want to operate.
- You may have pressed an invalid key for the mode the remote is in (for example, **REC** only works in VCR Mode).
- Make sure the batteries are properly installed.
- Replace the batteries with two new AAA batteries. Reprogramming may be required.

## **Problem: The remote does not operate your component.**

- You must put the remote in the correct mode by pressing the corresponding component key (**TV**, **VCR•DVD**, **DBS•CABLE**) so the remote knows which component you want to operate.
- Remove any obstacles between the remote and the component. Make sure to aim the remote at the IR sensor on the component.
- Make sure the batteries are properly installed (See Battery Installation on page 21).
- Replace the batteries with two new AAA batteries. Reprogramming may be required.
- Reset the remote. Remove the batteries, then press and hold the number 1 key on the remote for several seconds to reset the microprocessor inside the remote. Release the number 1 key, reinstall the batteries, and try the remote again. Reprogramming will be required.

## **Problem: The remote is not performing commands properly.**

- You must put the remote in the correct mode by pressing the corresponding component key (**TV**, **VCR•DVD**, **DBS•CABLE**) so the remote knows which component you want to operate.
- Make sure component is "ready" (e.g., DVD player has disc loaded; VCR has tape loaded, etc.)
- You may have pressed an invalid key for the mode the remote is in (for example, **REC** only works in VCR mode).
- If you're trying to turn on an RCA, GE or PROSCAN component, press the component key (**TV**, **VCR•DVD**, **DBS•CABLE**) instead of the **ON•OFF** key.
- If operating a VCR to record, you must press the **REC** key two times.
- If you're trying to change channels, 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 component features (e.g., only turns a component on and off). Follow the steps provided for programming the remote (See Programming Sections on pages 22-23). If the component can be turned on and off, make sure you press the **CHAN UP/DOWN** key to see if the component responds. If not, try the next code from the list.

## **Problem: The VCR won't record.**

- As a safety feature, you must press the **REC** key twice to begin recording.
- Make sure the tape is properly loaded in the VCR.
- Make sure the tape is not write-protected. If the safety tab is removed the tape is write-protected and you cannot record onto that tape.

## **Problem: The remote will not change channels.**

- You must put the remote in the correct mode by pressing the corresponding component key (**TV**, **VCR•DVD**, **DBS•CABLE**) so the remote knows which component you want to operate.
- Press the **ENTER** key after you enter a channel number.

**Problem: The component's menu doesn't appear on the TV screen.**

- The TV must be tuned to the Video Input that matches the manner in which you connected the component to the TV.

For example, if you connected your DVD player to your TV by connecting audio/video cables (usually color-coded yellow, red, and white) to the TV's Input 1 jack, you must tune the TV to its Video Input 1 channel. Remember, different manufacturers label these jacks differently. Consult the instruction manual that came with the TV for more information.

- You must put the remote in the correct mode by pressing the corresponding component key (**TV**, **VCR•DVD**, **DBS•CABLE**) so the remote knows which component you want to operate.
- Menu access isn't supported for all brands. If that's the case, you'll need to use your original remote control to access menu functions for these components.

**If you have further questions, please visit [www.rca.com](http://www.rca.com).**



# RCU403 Code List

Use this code list when programming the three-component universal remote.  
Use the code list on page 16 when programming the eight-component universal remote.

## TV Codes

Abex	.....	172	
Admiral	.....001, 046, 047, 083, 095, 173, 191		
Adventura	.....	174	
Aiko	.....	016	
Akai	.....	002	
Alleron	.....	046, 047	
Amtron	.....	038	
Anam National	.....	003, 038	
AOC	.....004, 005, 006, 007, 082		
Apex	.....	236	
Audiovox	.....	038	
Belcor	.....	004	
Bell & Howell	.....001, 048, 049, 073, 083, 162		
Bradford	.....	038	
Broksonic	.....000, 004, 239		
Brokwood	.....	004	
Candle	.....004, 006, 008, 174		
Celebrity	.....	002	
Citizen	.....004, 006, 008, 016, 038, 105, 132, 171, 174, 177, 191		
Colortyme	.....	004, 006	
Concerto	.....	004, 006	
Contec/Cony	.....012, 013, 038, 063		
Craig	.....	038	
Crosley	.....	000, 062	
Cybernet	.....038, 062, 130, 171		
Curtis Mathes	.....000, 004, 006, 015, 048, 049, 073, 105, 162, 171, 212		
CXC	.....	038	
Daewoo	.....004, 005, 006, 016, 017, 082, 171, 190		
Daytron	.....	004, 006, 171	
Dimensia	.....	000, 212	
Dumont	.....	004, 151, 217	
Dynatech	.....	004	
Electroband	.....	002	
Electrohome	.....000, 002, 003, 004, 006, 019, 022, 064		
Emerson	.....004, 006, 012, 023, 025, 026, 029, 030, 033, 035, 036, 037, 038, 041, 042, 043, 046, 047, 048, 049, 073, 123, 162, 171, 177, 191, 191		
Envision	.....	004, 006	
Fisher	.....048, 049, 051, 073, 162, 180		
Fujitsu	.....	046, 047	
Funai	.....038, 046, 047, 189		
Futurtec	.....	038	
GE	.....000, 003, 004, 006, 022, 052, 054, 055, 064, 087, 100, 165, 166, 167, 181, 203, 212, 233		
Gibralter	.....	004, 151	
Goldstar	.....004, 005, 006, 012, 019, 056, 082, 155, 156, 171, 172		
Grundig	.....038, 046, 047, 171		
Hallmark	.....	004, 006	
Harvard	.....	038	
Hisense	.....	237	
Hitachi	.....004, 006, 012, 013, 059, 060, 063, 135, 136, 145, 148, 179, 185		
IMA	.....	038	
Infinity	.....	062, 130	
Janel	.....	174	
JBL	.....	062, 130	
JCB	.....	002	
JC Penney	.....000, 004, 005, 006, 008, 013, 022, 052, 054, 055, 063, 064, 072, 082, 087, 100, 104, 105, 109, 132, 166, 167, 171, 172, 181, 203, 212, 233		
Jensen	.....	004, 006	
JVC	.....012, 013, 054, 055, 060, 063, 065, 066, 123, 157, 159, 242		
Kawasho	.....	002, 004, 006	
Kenwood	.....	004, 006, 019	
Kloss Novabeam	.....038, 068, 069, 174, 183		
KTV	.....038, 070, 171, 177		
LG	.....	005, 082	
Loewe	.....	062, 130	
Logik	.....	001, 083	
Luxman	.....	004, 006	
LXI	.....000, 006, 048, 049, 062, 072, 073, 100, 109, 130, 162, 181, 203, 212, 233		
Magnavox	.....000, 004, 006, 008, 019, 062, 068, 069, 075, 076, 077, 088, 130, 132, 133, 134, 183, 219, 235		
Marantz	.....	004, 006, 059, 062, 130	
Megatron	.....	006, 059	
Memorex	.....001, 005, 006, 046, 047, 048, 049, 073, 082, 083, 162, 191		
MGA	.....004, 005, 006, 019, 022, 051, 064, 079, 080, 082		
Midland	.....	054, 055, 151, 171, 172, 181	
Minutz	.....	052	
Mitsubishi	.....	004, 005, 006, 019, 022, 051, 064, 079, 080, 082, 125, 135	
Montgomery Ward	.....	001, 083	
Motorola	.....	003, 173	
MTC	.....	004, 005, 006, 082, 105	
Multitech	.....	038	
NAD	.....	006, 072, 109, 136, 185	
NEC	.....	003, 004, 005, 006, 082	
Nikko	.....	006, 016	
NTC	.....	016	
Onwa	.....	038	
Optimus	.....	136, 185	
Optonica	.....	095, 173	
Orion	.....	030, 035, 191	
Panasonic	.....	003, 054, 055, 062, 109, 130, 170	
Philco	.....003, 004, 005, 006, 008, 012, 019, 062, 068, 069, 075, 077, 082, 088, 130, 132, 134, 183		
Philips	.....002, 003, 004, 008, 012, 019, 062, 068, 069, 075, 076, 087, 088, 130, 132, 134, 167, 183		
Pilot	.....	004, 171	
Pioneer	.....	004, 006, 136, 179, 185	
Portland	.....	004, 005, 006, 016, 082, 171	
Price Club	.....	105	
Prima	.....	238	
Prism	.....	054, 055	
PROSCAN	.....000, 100, 181, 203, 212, 213		
Proton	.....	004, 006, 012	
Pulsar	.....	151	
Pulser	.....	004	
Quasar	.....	003, 054, 055, 070, 109, 170	
RadioShack	.....	000, 048, 049, 073, 162, 212	
RadioShack/Realistic	.....004, 006, 012, 038, 048, 049, 073, 095, 162, 171, 172		
RCA	.....000, 003, 004, 005, 006, 007, 019, 054, 055, 082, 098, 099, 099, 100, 101, 102, 103, 129, 179, 181, 188, 190, 203, 212, 233, 240		
Runco	.....	151, 217	
Sampo	.....	004, 006, 171, 172	
Samsung	.....004, 005, 006, 012, 013, 015, 017, 019, 082, 104, 105, 106, 171, 172		
Sansui	.....	191	
Sanyo	.....004, 048, 049, 073, 080, 162, 169, 180		
Scotch	.....	006	
Scott	.....	004, 006, 012, 035, 038, 046, 047	
Sears	.....000, 004, 006, 013, 019, 046, 047, 049, 049, 051, 063, 066, 072, 073, 100, 109, 110, 162, 180, 181, 189, 203, 212, 233		
Sharp	.....004, 006, 012, 026, 029, 095, 111, 112, 171, 173		
Shogun	.....	004	
Signature	.....	001, 083, 173	
Simpson	.....	008	
Sound	.....	018	
Soundesign	.....004, 006, 008, 038, 046, 047, 132		
Squareview	.....	189	
SSS	.....	004, 038	
Starlite	.....	038	
Supra-Macy	.....	014	
Sylvania	.....	002	
Sylvania	.....004, 006, 008, 019, 062, 068, 069, 075, 076, 077, 088, 130, 132, 134, 183, 189		
Symphonic	.....026, 029, 033, 038, 046, 047, 155, 189		
Tandy	.....	173	
Tashiko	.....	004, 012	
Tatung	.....	003	
Technics	.....	054, 055	
Techwood	.....	004, 006, 054, 055	
Teknika	.....001, 004, 005, 006, 008, 012, 013, 016, 038, 046, 047, 063, 076, 082, 083, 105, 132, 170, 171		
Tera	.....	004, 012	
TMK	.....	004, 006	
Toshiba	.....000, 048, 049, 072, 073, 105, 109, 118, 160, 162, 190, 241		
Totevision	.....	171	
Universal	.....	052, 087, 166, 167, 066, 066	
Victor	.....	004, 005, 006	
Viking	.....	014	
Wards	.....000, 001, 004, 005, 006, 019, 033, 046, 047, 052, 062, 068, 069, 075, 076, 082, 083, 087, 088, 095, 130, 134, 166, 167, 173, 183, 212		
White Westinghouse	.....	000, 001, 190, 191	
Yamaha	.....	004, 005, 006, 019, 082	
Zenith	.....000, 001, 004, 051, 083, 151, 152, 154, 217		

## VCR Codes

Admiral	.....	001	
Adventura	.....	026	
Aiko	.....	027	
Aiwa	.....	026	
Akai	.....003, 007, 111, 112, 119		
American High	.....	021	
Asha	.....	013	
Audio Dynamics	.....	009, 010	
Audiovox	.....	014, 054	
Beaumarck	.....	013	
Bell & Howell	.....	011	
Broksonic	.....	012, 025, 031	
Cybernet	.....	014, 054	
Candle	.....013, 014, 015, 016, 017, 018, 019		
anon	.....	021, 022	
Capehart	.....	110	
Carver	.....	062	
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TV	VCR	DVD	CD	SATELLITE	CABLE	AUDIO
Apex Audiovox Broksonic Citizen Curtis Mathes Daewoo Emerson <b>GE</b> Hisense Hitachi JC Penney JVC Kenwood KLH LG (Goldstar) LXI Magnavox Mitsubishi Montgomery Ward NEC Orion Panasonic Philco Philips Pioneer Prima <b>PROSCAN</b> Quasar RadioShack/ Realistic <b>RCA</b> Sampo Samsung Sanyo Sears Sharp Sony Sylvania Tandy Teknika Toshiba Victor Wards Yamaha Zenith	Allegro Broksonic Canon Curtis Mathes Daewoo Emerson <b>GE</b> Go Video Hitachi JC Penney JVC Kenwood LG (Goldstar) LXI Magnavox Matsushita Mitsubishi Montgomery Ward NEC Panasonic Philco Philips <b>PROSCAN</b> Quasar RadioShack/ Realistic <b>RCA</b> Samsung Sanyo Sears Sharp Sony Sylvania Tandy Teknika Toshiba Victor Wards Yamaha Zenith	Aiwa Allegro Apex Broksonic Daewoo Emerson Funai <b>GE</b> Go Video Hitachi JBL JVC Kenwood Konka Koss Lasonic Magnavox Memorex Mintek Mitsubishi NAD Onkyo Oritron Panasonic Philips Pioneer <b>PROSCAN</b> Qwestar <b>RCA</b> Samsung Sansui Sanyo Sharp Sony Sylvania Toshiba Venturer Xbox®* Yamaha Zenith	Aiwa ADC ADO Akai Denon Dynatech Emerson Fisher <b>GE</b> Hitachi Inkel JVC Kenwood Luxman NEC Marantz MCS Mitsubishi Nakamichi Onkyo Optimus Panasonic Pioneer <b>RCA</b> Sanyo Sears Sherwood Sony Teac Technics Yamaha	Alphastar Bell ExpressVu Chaparral Dish Network Drake Echostar <b>GE</b> General Instruments Hitachi Hughes Network Systems JVC Magnavox Motorola Panasonic Philips Primestar Realistic <b>PROSCAN</b> <b>RCA</b> Sony Star Choice Toshiba Uniden	ABC Antronix Archer Cableview Century Citizen Contec Garrard <b>GE</b> Gemini General Instruments Hitachi Jasco Jerrold Magnavox Motorola NEC Panasonic Philips <b>PIONEER</b> <b>PROSCAN</b> <b>RCA</b> Realistic Regency Samsung Scientific Atlanta Standard Component Starcom Stargate Starquest Tocom TV86 United Cable Universal View Star Zenith	Aiwa Denon Harman Kardon JBL JVC Kenwood Koss Onkyo Optimus Panasonic Philips Pioneer <b>RCA</b> Sherwood Sony Technics Venturer Yamaha

\*Requires Xbox® DVD playback kit.

\*Bonus RCU403 remote can control up to three components including TV, VCR or DVD, and Satellite Receiver or Cable Box. See inside for more details.

**RCU800 requires 2 AA batteries (sold separately).**  
**RCU403 requires 2 AAA batteries (sold separately).**

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