

U N I V E R S A L

RCA

Remote



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**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

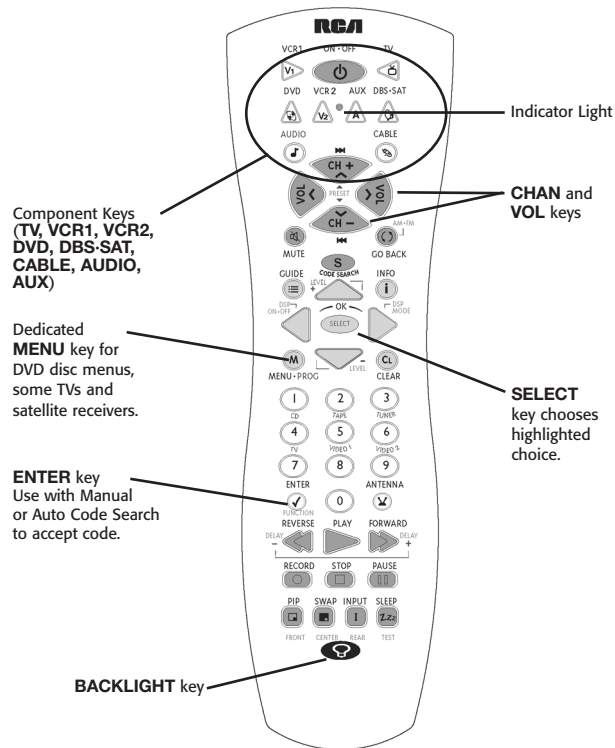
- Controls 3 Devices
- Palm-size

MULTI-BRAND USE

RCU800B

Table of Contents

Product Diagram	2
Introduction	3
Battery Information and Installation	3
Key Descriptions	3
Primary Key Descriptions for VIDEO Operations	4
Secondary Key Descriptions for AUDIO Operations	5
Program for TV—Direct Entry Method	5
Program for VCR 1 and VCR 2—Direct Entry Method	6
Program for DVD/CD Systems—Direct Entry Method	6–7
Program for SATELLITE—Direct Entry Method	7
Program for CABLE Box—Direct Entry Method	8
Program for AUDIO Systems—Direct Entry Method	8–9
Operating AUDIO System Functions	9
Program for AUX—Direct Entry Method	10
Code Search Methods	11
Manual Code Search	11
Auto Code Search	11
Code Retrieval	12
Sleep Feature	12
Programming the Sleep Timer	12
Canceling the Sleep Timer	12
On-screen Menus	13
Accessing a Menu System	13
Highlighting and Selecting Menu Items	13
Exiting a Menu System	13
Troubleshooting	14–15
RCU800B Code List	16–18
RCU403 Instruction Book	19





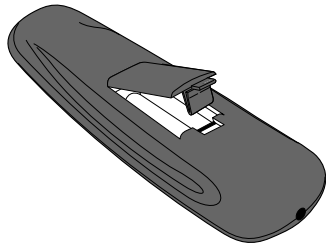
8 Component Universal Remote

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

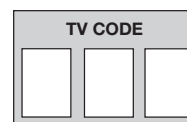
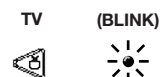
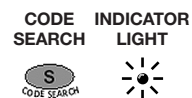
In order for the eight-component universal remote to control your TV, you must program it with the TV code that matches your TV. These instructions explain the preferred method of programming the remote—the Direct Entry method. To program your remote to control your TV, follow these steps:

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.)



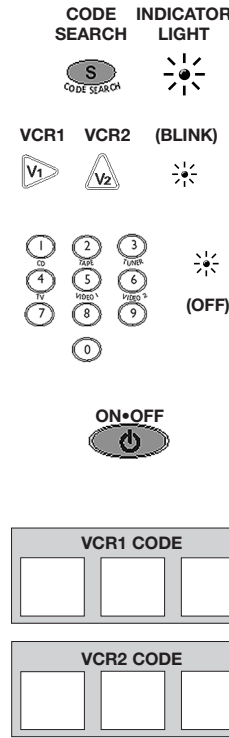
Program for VCR1 and VCR2—Direct Entry Method

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

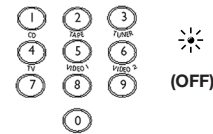
In order for the eight-component universal remote to control your DBS system, you must program it with the code that matches your SATELLITE receiver. To program your remote to control your DBS system, follow these steps:

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)**



(OFF)

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.

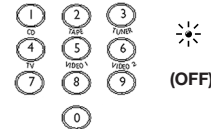
Note: If you enter an invalid code, the LED flashes rapidly for two seconds. Start over at step 3.
6. Aim the remote at the CABLE box. Press the **ON•OFF** key. If your CABLE box turns off, you have found the correct code.
7. Enter the code in the box provided on this page for future reference.
8. If 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).

CODE SEARCH **INDICATOR LIGHT**



CABLE **(BLINK)**



(OFF)

ON•OFF



CABLE BOX CODE		

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.

CODE SEARCH **INDICATOR LIGHT**



AUDIO **(BLINK)**



(OFF)

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.

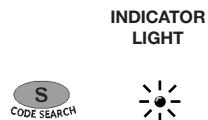
Press **FRONT, CENTER, or REAR** keys to select speakers.

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.
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.



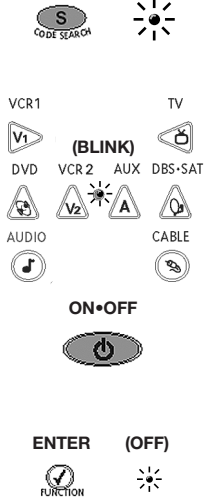
AUX CODE			
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
TV	VCR	CABLE	DBS
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CD	AUDIO	LD	DVD
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>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

CODE SEARCH INDICATOR LIGHT



Manual Code Search

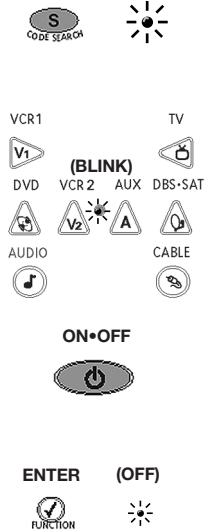
1. Manually turn on the component you want the remote to operate.
2. Press and hold the **CODE SEARCH** key until the indicator light illuminates. Then release the **CODE SEARCH** key.
3. Press and release the component key that corresponds to the component you want the remote to operate (**TV, VCR, 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 SEARCH INDICATOR LIGHT

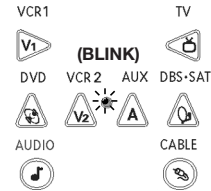


Code Retrieval

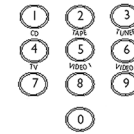
If you used one of the Code Search methods to program your remote, follow the steps below to find out which code is compatible with your component. Finding the actual code and writing it down will save you time if you ever need to program the remote again (e.g., if programming is lost when you change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

CODE SEARCH INDICATOR LIGHT



CODE SEARCH INDICATOR LIGHT



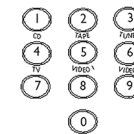
Sleep Feature

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.)

SLEEP INDICATOR LIGHT



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.

SLEEP ON•OFF



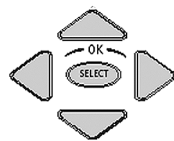
On-screen Menus

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.



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.)



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.

Exiting a Menu System

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



RCU800

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.

RCU800 Code List

Use this code list when programming the eight-component universal remote.
 Use the code list on page 29 when programming the three-component universal remote.

TV Codes

Abex	.....	172
Admiral	.....001, 046, 047, 083, 095, 173, 191, 211	
Adventura	.....	174
Aiko	.....	016
Akal	.....	002
Alleron	.....	046, 047
Amtron	.....	038
Anam National	.....	003, 038, 192, 193, 194
AOC	.....004, 005, 006, 007, 082, 195, 196	
Apex	.....	236, 240, 241
Audiovox	.....	038
Belcor	.....	004
Bell & Howell	.....	001, 048, 049, 073, 083, 162
Bradford	.....	038
Broksonic	.....	000, 004, 250, 280
Brokwood	.....	004
Candle	.....	004, 006, 008, 132, 174, 196
Celebrity	.....	002
Citizen	.....004, 006, 008, 016, 038, 105, 132, 171, 196	
Colortyme	.....	004, 006, 010, 196, 200
Concerto	.....	004, 006, 196
Contec/Cony	.....	012, 013, 038, 063
Craig	.....	038
Crosley	.....	000, 062
Crown	.....	038, 062, 130, 171
Curtis Mathes	.....	000, 004, 006, 015, 048, 049, 073, 105, 162, 171, 196, 212
CXC	.....	038
Daewoo	.....004, 005, 006, 016, 017, 082, 127, 171, 190, 196, 202	
Daytron	.....	004, 006, 171, 196
Dimensia	.....	000, 212
Dumont	.....	004, 151, 196, 217
Dynatech	.....	004
Electroband	.....	002
Electrohome	.....000, 002, 003, 004, 006, 019, 020, 022, 064, 196	
Emerson	.....004, 006, 012, 023, 024, 025, 026, 027, 028, 029, 030, 031, 032, 033, 034, 035, 036, 037, 038, 039, 041, 042, 043, 044, 046, 047, 048, 049, 073, 123, 124, 162, 171, 177, 179, 191, 196, 208	
Envision	.....	004, 006, 196
Fisher	.....	048, 049, 051, 073, 162, 180
Fujitsu	.....	046, 047
Funai	.....	038, 046, 047, 189
Futuretec	.....	038
GE	.....000, 003, 004, 006, 022, 052, 054, 055, 064, 087, 100, 164, 165, 166, 167, 168, 181, 196, 203, 212, 213, 233	
Gilbalt	.....	004, 151
Goldstar	.....004, 005, 006, 012, 019, 056, 057, 058, 082, 155, 156, 171, 172, 196	
Grundig	.....	038, 046, 047, 171
Hallmark	.....	004, 006, 196
Hanvard	.....	038
Hisense	.....	237
Hitachi	.....004, 006, 012, 013, 059, 060, 061, 063, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 148, 150, 179, 185, 196, 198, 199	
IMA	.....	038
Infinity	.....	062, 130
Janel	.....	174
JBL	.....	062, 130
JCB	.....	002
JC Penney	.....000, 004, 005, 006, 008, 013, 022, 052, 054, 055, 057, 058, 063, 064, 072, 082, 087, 100, 104, 105, 109, 132, 166, 167, 171, 172, 181, 196, 201, 203, 207, 212, 233	
Jensen	.....	004, 006, 196
JVC	.....012, 013, 054, 055, 060, 063, 065, 066, 067, 123, 157, 158, 159, 182, 239	
Kawasho	.....	002, 004, 006, 196
Kenwood	.....	004, 006, 019, 196
KLH	.....	236, 240, 241
Kloss Novabeam	.....	038, 068, 069, 174, 183
KTV	.....	038, 070, 171, 177
LG	.....	005, 082
Loewe	.....	062, 130
Logik	.....	001, 083
Luxman	.....	004, 006, 196
LXI	.....000, 006, 048, 049, 062, 071, 072, 073, 100, 109, 130, 162, 181, 196, 203, 207, 212, 233	
Magnavox	.....000, 004, 006, 008, 019, 062, 068, 069, 075, 076, 077, 088, 130, 131, 132, 133, 134, 183, 196, 219, 235	
Majestic	.....	001, 083
Marantz	.....004, 006, 059, 062, 078, 130, 196, 199	
Megatron	.....	006, 059, 196, 199
Memorex	.....001, 005, 006, 046, 047, 048, 049, 073, 082, 083, 162, 191, 196	
MGA	.....004, 005, 006, 019, 022, 051, 064, 079, 080, 082, 196	
Midland	.....	054, 055, 151, 171, 172, 181
Minut	.....	052

Mitsubishi	.....004, 005, 006, 019, 022, 051, 064, 079, 080, 081, 082, 125, 135, 196	
Montgomery Ward	.....	001, 083
Motorola	.....	003, 173
MTC	.....	004, 005, 006, 082, 105, 196
Multitech	.....	038
Multivision	.....	084
NAD	.....	006, 071, 072, 109, 136, 185, 196, 207
NEC	.....	003, 004, 005, 006, 010, 082, 196, 200
Nikko	.....	006, 016, 196
NTC	.....	016
Onwa	.....	038
Optimus	.....	136, 185
Optonica	.....	095, 173
Orion	.....	030, 035, 191, 208
Panasonic	.....003, 054, 055, 062, 109, 130, 170, 214, 350, 351	
Philco	.....003, 004, 005, 006, 008, 012, 019, 062, 068, 069, 075, 077, 082, 088, 130, 132, 134, 183, 196	
Philips	.....002, 003, 004, 008, 012, 019, 062, 068, 069, 075, 076, 086, 087, 088, 130, 132, 134, 167, 183, 196	
Pilot	.....	004, 171, 196
Pioneer	.....004, 006, 090, 091, 092, 136, 179, 185, 196	
Pulsar	.....	004, 005, 006, 016, 082, 171, 196
Price Club	.....	105
Prima	.....	238
Prism	.....	054, 055
PROSCAN	.....000, 100, 181, 203, 212, 233	
Proton	.....	004, 006, 012, 093, 196
Pulsar	.....	004, 151
Quasar	.....	003, 054, 055, 070, 109, 170, 214
Radio Shack	.....	000, 048, 049, 073, 162, 212
Radio Shack/Realistic	.....004, 006, 012, 038, 048, 049, 073, 095, 162, 171, 172, 196	
RCA	.....000, 003, 004, 005, 006, 007, 019, 054, 055, 082, 096, 098, 099, 100, 101, 102, 103, 129, 179, 181, 188, 190, 196, 202, 203, 212, 215, 233, 281, 352	
Runco	.....	151, 217
Sampo	.....	004, 006, 171, 172, 196, 242
Samsung	.....004, 005, 006, 012, 013, 015, 017, 019, 082, 104, 105, 106, 171, 172, 196, 201, 204	
Sansui	.....	191, 208, 282
Sanyo	.....004, 048, 049, 073, 080, 107, 162, 169, 180, 196	
Scotch	.....	006, 196
Scott	.....	004, 006, 012, 024, 035, 038, 046, 047, 196
Sears	.....000, 004, 006, 013, 019, 046, 047, 048, 049, 051, 063, 066, 071, 072, 073, 100, 109, 110, 112, 180, 181, 189, 196, 203, 207, 212, 233	
Sharp	.....004, 006, 012, 026, 029, 095, 111, 112, 113, 122, 171, 173, 196	
Shogun	.....	004, 196
Signature	.....	001, 083, 173
Simpson	.....	008
Sony	.....	002, 205, 216, 218
Soundesign	.....	004, 006, 008, 038, 046, 047, 132, 196
Squareview	.....	189
SSS	.....	004, 038
Starlite	.....	038
Supre-Macy	.....	174
Supreme	.....	002
Sylvania	.....004, 006, 008, 019, 062, 068, 069, 075, 076, 077, 088, 116, 130, 132, 134, 161, 183, 196, 353	
Symphonic	.....	026, 029, 033, 038, 046, 047, 155, 189
Tandy	.....	173
Tashiko	.....	072
Tatung	.....	003
Technics	.....	054, 055
Techwood	.....	004, 006, 054, 055, 196
Teknika	.....001, 004, 005, 006, 008, 012, 013, 016, 038, 046, 047, 063, 076, 082, 083, 105, 132, 170, 171, 196, 214	
Telecaption	.....	117
Tera	.....	004, 012, 093
TMK	.....	004, 006, 196
Toshiba	.....000, 048, 049, 071, 072, 073, 105, 109, 117, 118, 160, 161, 162, 190, 201, 207, 283	
Totevision	.....	171
Universal	.....	052, 087, 166, 167
Victor	.....	066, 182
Vidtech	.....	004, 005, 006, 196
Viking	.....	174
Wards	.....000, 001, 004, 005, 006, 019, 024, 033, 046, 047, 052, 062, 068, 069, 075, 076, 082, 083, 087, 088, 095, 119, 120, 130, 134, 166, 167, 173, 183, 196, 212	
White Westinghouse	.....	000, 001, 190, 191
Yamaha	.....	004, 005, 006, 019, 082, 196
Zenith	.....000, 001, 004, 051, 083, 151, 152, 153, 154, 196, 210, 217	

VCR Codes

Admiral	.....	001
Adventura	.....	026
Aiko	.....	027
Aiwa	.....	026
Akal	.....003, 005, 007, 008, 111, 112, 113, 119	
Allegro	.....	145
American High	.....	021
Asha	.....	013
Audio Dynamics	.....	009, 010
Audiovox	.....	014, 054
Beaumarck	.....	013
Bell & Howell	.....	011
Broksonic	.....	012, 025, 031, 135, 235
Calix	.....	014, 054
Candle	.....013, 014, 015, 016, 017, 018, 019	
Canon	.....	021, 022
Capehart	.....	020, 110
Carver	.....	062
CCE	.....	027, 061
Citizen	.....013, 014, 015, 016, 017, 018, 019, 027, 054	
Colortyme	.....	009
Colt	.....	061
Craig	.....	013, 014, 023, 054, 061
Curtis Mathes	.....000, 009, 013, 016, 018, 021, 022, 024, 086, 087, 089, 091, 115	
Cybernex	.....	013
Daewoo	.....015, 017, 019, 025, 026, 027, 028, 110	

Daytron	.....	061, 110
DBX	.....	009, 010
Dimensia	.....	000, 086, 089
Dynatech	.....	026
Electrohome	.....	014, 029, 054
Electrohome	.....	014
Emerson	.....003, 007, 012, 014, 015, 021, 024, 025, 026, 029, 030, 031, 032, 033, 034, 036, 037, 038, 039, 040, 041, 042, 044, 045, 046, 047, 054, 065, 105, 113, 116, 117, 130, 136	
Fisher	.....	011, 023, 048, 049, 050, 051, 052, 118
Fuji	.....	021, 19
Funai	.....	026
Garrard	.....	026
GE	.....000, 013, 021, 022, 053, 086, 087, 089, 091, 115, 120	
Go Video	.....	134, 137
Goldstar	.....	009, 014, 018, 054, 057
Gradiente	.....	026
Harley Davidson	.....	026
Harman Kardon	.....	009
Hanwood	.....	061
Headquarter	.....	011
Hi-Q	.....	023
Hitachi	.....026, 055, 056, 057, 084, 107, 111, 120	
Instant Replay	.....	021
JCL	.....	021
JC Penney	.....009, 010, 011, 012, 013, 014, 021, 022, 051, 054, 055, 056, 060, 061, 062, 084, 107, 118	

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
MGA	054, 104, 130
MGN Technology	029, 065, 113
Midland	013
Minolta	055, 056, 084, 107
Mitsubishi	029, 055, 056, 065, 066, 067, 068, 069, 070
Montgomery Ward	071, 072, 073, 074, 084, 106, 113, 123
Motorola	001, 075
Motorola	001, 021
MTC	013, 126
Multitech	013, 016, 026, 053, 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	016
Phico	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
Radix	029, 049, 050, 054, 096
Randex	014, 054
RCA	000, 003, 007, 013, 021, 022, 055, 056, 082, 083, 084, 120
	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	010
Video Concepts	009, 010, 015, 016, 113
Videasonic	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

RePlay316

Tivo315

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
Ortron	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

RCA371

Sharp399

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
Marantz	185, 226
MCS	228

Mitsubishi	229, 230
Nakamichi	232, 233
NEC	184
Onkyo	186, 234, 235
Optimus	237, 238, 239
Panasonic	188
Pioneer	189, 240
RCA	190, 211
Sanyo	250
Sears	207
Sherwood	243
Sony	195, 209, 244
Teac	245, 246, 247
Technics	197
Toshiba	231
Yamaha	198, 199, 248

TV/VCR Combo Codes

	TV	VCR
Broksonic	250	235

TV/DVD Combo Codes

	TV	DVD
Broksonic	280	600
RCA	281	601

	TV	DVD
Sansui	282	602
Toshiba	283	603

TV/VCR/DVD Combo Codes

Panasonic	TV VCR DVD 350 265 300 351 266 301	RCA	TV VCR DVD 352 267 302 353 268 303
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VCR/DVD Combo Codes

Broksonic	VCR DVD 135 500	Samsung	VCR DVD 141 506
Emerson	136 501	Sanyo	142 507
Go Video	137 502	Sony	143 508
JVC	138 503	Sony	144 509
Philips	139 504	Zenith	145 510
RCA	140 505		

Home Theater (HTIB) Systems Codes

JBL	DVD Audio 251 300	Philips	DVD Audio 258 307
JVC	252 301	Pioneer	259 308
Koss	253 302	RCA	260 309
	254 303	Sony	261 310
Onkyo	255 304	Venturer	262 311
Panasonic	256 305		
	257 306		

Satellite Codes

Alphastar	079	Philips	085
Bell ExpressVu	078, 091	Primestar	076
Chaparral	056, 057	PROSCAN	047, 071, 080, 081, 093
Dish Network	078, 089, 091	RCA	047, 071, 080, 081, 093
Drake	058, 059	Realistic	063
Echostar	089	Sony	072
GE	047, 071, 080, 081, 093	Star Choice	076, 092
General Instruments	060, 061, 062	STS1	064
Hitachi	083, 084	STS2	065
Hughes Network Systems	077, 083, 090	STS3	066
JVC	082	STS4	067
Magnavox	085	Toshiba	068, 073
Motorola	047, 071, 080, 081	Uniden	086
Panasonic	075		

HDTV Tuner Codes

RCA	200
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Cable Box Codes

ABC	001, 003, 004, 005, 006, 007	Philips	011, 012, 013, 015, 019, 025, 030, 031, 032
Antronix	008, 009	Pioneer	033, 034
Archer	008, 009, 010, 011	PROSCAN	003
Cabletenna	008	RCA	000, 007, 049
Cableview	008	Realistic	009
Century	011	Regal	022, 035
Citizen	011	Regency	017
Colour Voice	012, 013	Rembrandt	005
Comtronics	015	Samsung	034
Contec	016	Scientific Atlanta	006, 036, 037, 038
Eastern	017	Signal	018
Garrard	011	Signature	003
GC Electronics	009	Sprucer	000
GE	000, 005	Standard Component	039, 044
Gemini	018, 019	Starcom	001, 007, 018
General Instruments	000, 001, 003, 046, 049	Stargate	018
Hamlin	020, 021, 022, 028, 035	Starquest	018
Hitachi	003	Tocom	004, 023
Jasco	011	Tusa	018
Jerrold	000, 001, 003, 005, 007, 018, 023, 024, 046, 049	TV86	027
Magnavox	025	Unika	008, 009, 011
Motorola	000, 003, 046	United Cable	001
Movie Time	027, 028	Universal	008, 009, 010, 011
NEC	005	Video Way	044
NSC	027, 028	View Star	015, 016, 025, 027
Oak	016, 029	Zenith	000, 050, 051
Panasonic	000, 048		

Audio System Codes

Aiwa	250, 251, 252, 253, 254, 255, 256, 268	RCA	259, 264, 265, 266, 309
Denon	274	Sherwood	272, 310, 312
Harman Kardon	267	Sony	260, 261, 272, 310, 312
JBL	300	Technics	270, 271
JVC	257, 267, 301	Venturer	311
Kenwood	258	Yamaha	262, 263
Koss	302, 303		
Onkyo	269, 304		
Optimus	275		
Panasonic	270, 271, 305, 306		
Philips	307		
Pioneer	308		

Laser Disc Player Codes

RCA	133
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RC5353 US CODELIST REVA

U N I V E R S A L



Remote

Compatible with today's most popular brands.

U
N
I
V
E
R
S
A
L



TV



DVD or VCR



CABLE

remote

MULTI-BRAND USE

RCU403

Table of Contents

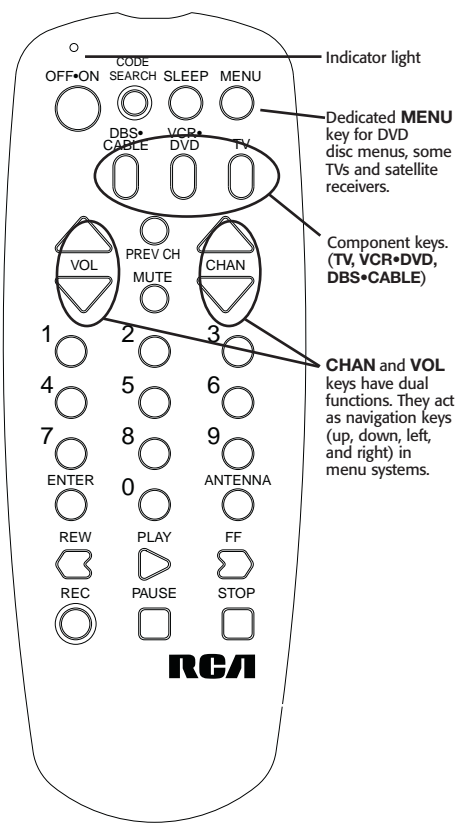
Product Diagram	20	Code Retrieval	25
Introduction	20	Sleep Feature	25
Battery Installation and Information	21	On-screen Menus	26
Key Descriptions	21	Accessing a Menu System	26
Program for TV—Direct Entry Method	22	Highlighting and Selecting	
Program for DVD or VCR—		Menu Items	26
Direct Entry Method	22	Exiting a Menu System	26
Program for Satellite or Cable Box—		Troubleshooting	27-28
Direct Entry Method	23	RCU403 Code List	29-31
Code Search Methods	24	Limited 90-Day Warranty	31
Manual Code Search	24		
Automatic Code Search	24		



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.)

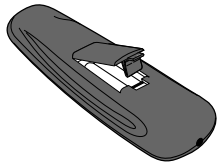
Note: The 3 component universal remote is already programmed to operate most RCA, GE and PROSCAN branded TVs, VCRs, DVD players and satellite receivers (DBS). Just press the corresponding component key—**VCR•DVD** for a VCR or DVD player; **TV** for a television; **DBS•CABLE** for a satellite receiver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



Actual model may vary from picture shown

Battery Installation and Information

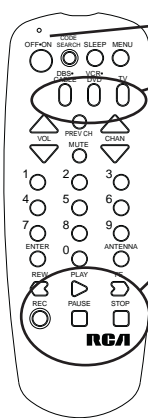
Your universal remote requires two AAA Alkaline batteries (batteries may or may not be included, depending on model). To install the batteries:



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.

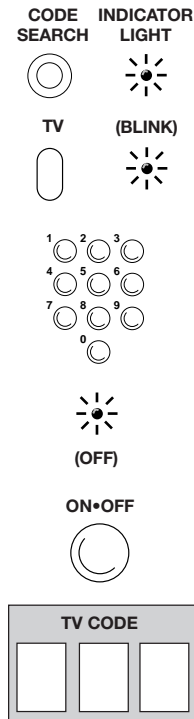
Note: If your brand isn't listed, use one of the Code Search methods to program this remote control (See Code Search on page 24).
3. Press and hold the **CODE SEARCH** key until the indicator light illuminates. Then release the **CODE SEARCH** key.
4. Press and release the **TV** key. The indicator light 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.

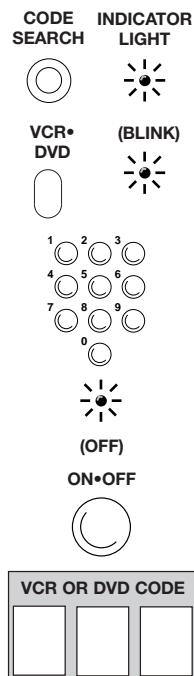
Note: If your brand isn't listed, use one of the Code Search methods to program this remote control (See Code Search on page 24).
3. Press and hold the **CODE SEARCH** key until the indicator light illuminates. Then release the **CODE SEARCH** key.
4. Press and release the **VCR•DVD** key. The indicator 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).

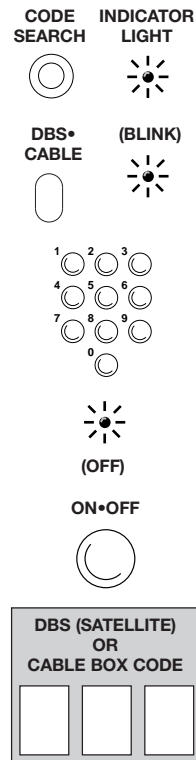
3. Press and hold the **CODE SEARCH** key until the indicator light illuminates. Then release the **CODE SEARCH** key.
4. Press and release the **DBS•CABLE** key. The indicator light blinks and then remains lit.
5. Use the number keys on the remote to enter the first code listed for your brand. After 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.

CODE SEARCH INDICATOR LIGHT



DBS• VCR• TV
CABLE DVD



(BLINK)



ON•OFF



ENTER



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 SEARCH INDICATOR LIGHT



DBS• VCR• TV
CABLE DVD



(BLINK)



ON•OFF

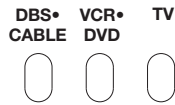
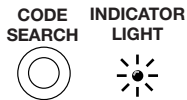


ENTER

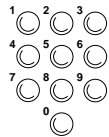
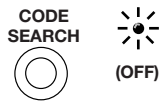


Code Retrieval

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).



(BLINK)



(BLINK)

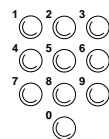
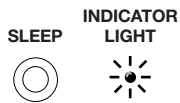


1. Press and hold the **CODE SEARCH** key until the indicator light illuminates. Then release the **CODE SEARCH** key.
2. Press and release the component key that matches the component's code you are retrieving (**TV**, **VCR•DVD**, or **DBS•CABLE**). The indicator light blinks once and then remains 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.

SLEEP (BLINK)



OR

ON•OFF



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

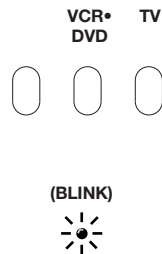
This remote cannot access every menu system of all models and brands of consumer electronics components. However, if you've successfully programmed the **VCR•DVD** key to operate a DVD player, you can access DVD disc menus with the **MENU** key.

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.

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	174
Advertura	.....	174
Aiko	.....	016
Akai	.....	002
Alleron	.....	046, 047
Amtron	.....	038
Anam National	.....	003, 038
AOC	.....004, 005, 006, 007, 082	038
Apex	.....	236
Audiovox	.....	038
Belcor	.....	004
Bell & Howell	.....001, 048, 049, 073, 083, 162	038
Bradford	.....	038
Broksonic	.....000, 004, 239	004
Brokwood	.....	004
Candle	.....004, 006, 008, 174	002
Celebrity	.....	002
Citizen	.....004, 006, 008, 016, 038, 105, 132, 171, 174, 177, 191	004, 006
Colortyme	.....	004, 006
Concerto	.....	004, 006
Contec/Cony	.....012, 013, 038, 063	038
Craig	.....	038
Crosley	.....	000, 062
Crown	.....038, 062, 130, 171	000, 004, 006, 015, 048, 049, 073, 105, 162, 171, 212
Curtis Mathes	.....	038
CXC	.....	038
Daewoo	.....004, 005, 006, 016, 017, 082, 171, 190	004, 006, 171
Daytron	.....	000, 212
Dimensia	.....	004, 151, 217
Dumont	.....	004
Dynatech	.....	004
Electroband	.....	002
Electrohome	.....000, 002, 003, 004, 006, 019, 022, 064	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, 179, 191
Emerson	.....	004, 006
Envision	.....	004, 006
Fisher	.....048, 049, 051, 073, 162, 180	046, 047
Fujitsu	.....	038, 046, 047, 189
Funai	.....	038
Furniturec	.....	000, 003, 004, 006, 022, 052, 054, 055, 064, 087, 100, 165, 166, 167, 181, 203, 212, 233
GE	.....	004, 151
Gibraltar	.....	004, 005, 006, 012, 019, 056, 082, 155, 156, 171, 172
Goldstar	.....	038, 046, 047, 171
Grundy	.....	004, 006
Hallmark	.....	038
Harvard	.....	038
Hisense	.....	237
Hitachi	.....004, 006, 012, 013, 059, 060, 063, 135, 136, 145, 148, 179, 185	038
IMA	.....	062, 130
Infinity	.....	174
Janel	.....	062, 130
JBL	.....	002
JCB	.....	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
JC Penney	.....	004, 006
Jensen	.....	012, 013, 054, 055, 060, 063, 065, 066, 123, 157, 159, 242
JVC	.....	002, 004, 006
Kawasho	.....	004, 006, 019
Kenwood	.....	038, 068, 069, 174, 183
Kloss Novabeam	.....	038, 070, 171, 177
KTV	.....	005, 082
LG	.....	062, 130
Loewe	.....	001, 083
Logik	.....	001, 083
Luxman	.....	004, 006
LXI	.....000, 006, 048, 049, 062, 072, 073, 100, 109, 130, 162, 181, 203, 212, 233	000, 004, 006, 008, 019, 062, 068, 069, 075, 076, 077, 088, 130, 132, 133, 134, 183, 219, 235
Magnavox	.....	001, 083
Majestic	.....	004, 006, 059, 062, 130
Marantz	.....	006, 059
Megatron	.....	001, 005, 006, 046, 047, 048, 049, 073, 082, 083, 162, 191
Memorex	.....	004, 005, 006, 019, 022, 051, 064, 079, 080, 082
MGA	.....	054, 055, 151, 171, 172, 181
Midland	.....	052
Minut	.....	004, 005, 006, 019, 022, 051, 064, 079, 080, 082
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
Omwa	.....	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, 233
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, 096, 098, 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, 048, 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
Sony	.....	002, 218
Soundesign	.....	004, 006, 008, 038, 046, 047, 132
Squareview	.....	189
SSS	.....	004, 038
Starlite	.....	038
Supra-Macy	.....	174
Supreme	.....	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	.....	072
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
TKM	.....	004, 006
Toshiba	.....	000, 048, 049, 072, 073, 105, 109, 118, 160, 162, 190, 241
Totevision	.....	171
Universal	.....	052, 087, 166, 167
Victor	.....	066
Vidtech	.....	004, 005, 006
Viking	.....	174
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, 005, 083, 151, 152, 154, 217

VCR Codes

Admiral	.....	001
Advertura	.....	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
Calix	.....	014, 054
Candle	.....	013, 014, 015, 016, 017, 018, 019
anon	.....	021, 022
Capehart	.....	110
Carver	.....	062
CE	.....	027, 061
Citizen	.....	013, 014, 015, 016, 017, 018, 019, 027, 054
Colortyme	.....	009
Colt	.....	061
Craig	.....	013, 014, 023, 054, 061
Curtis Mathes	.....	000, 009, 013, 016, 018, 021, 022, 024, 087, 091, 115
Cybernex	.....	013
Daewoo	.....	015, 017, 019, 025, 026, 027, 110
Daytron	.....	061, 110
DBX	.....	009, 010
Dimensia	.....	000
Dynatech	.....	026
Electrohome	.....	014, 029, 054
Electrohome	.....	014
Emerson	.....	003, 007, 012, 014, 015, 021, 024, 025, 026, 029, 031, 032, 033, 038, 041, 054, 065, 116, 130
Fisher	.....	011, 023, 049, 051, 118
Fuji	.....	021, 119
Funai	.....	026
Garrard	.....	026
CE	.....	000, 013, 021, 022, 053, 087, 091, 115, 120
Go Video	.....	131, 138
Goldstar	.....	009, 014, 018, 054, 057
Gradiente	.....	026
Harley Davidson	.....	026
Harman Kardon	.....	009
Harwood	.....	061
Headquarter	.....	011
Hitachi	.....	026, 055, 056, 057, 084, 107, 111, 120
Hi-Q	.....	023
Instant Replay	.....	021
JCL	.....	021
JC Penney	.....	009, 010, 011, 012, 013, 014, 021, 022, 051, 054, 055, 056, 061, 062, 084, 107, 118
Jensen	.....	055, 056, 084, 111
JVC	.....	009, 010, 011, 018, 111, 123, 132
Kenwood	.....	009, 010, 011, 016, 018, 111, 123
KLH	.....	061
Kodak	.....	014, 021, 054
LG	.....	014, 054
Lloyd	.....	026
Logik	.....	061
LXI	.....	014, 054
Magnavox	.....	021, 022, 062, 063, 104, 124
Magnin	.....	013
Marantz	.....	009, 010, 011, 016, 018, 021, 022, 062
Marta	.....	014
Matsushita	.....	021
MEI	.....	021
Memorex	.....	001, 011, 013, 014, 021, 022, 023, 026, 031, 054, 104, 130
MGA	.....	029, 065
GN Tech	.....	013
Midland	.....	053
Minolta	.....	055, 056, 084, 107
Mitsubishi	.....	029, 055, 056, 065, 066, 084, 123
Montgomery Ward	.....	001
Motorola	.....	001, 021

MTC.....	013, 026	Sanly.....	001, 104
Multitech.....	013, 016, 026, 053, 061	Sansui.....	010, 031, 111, 123, 130
NEC.....	009, 010, 011, 018, 111, 123	Sanyo.....	011, 013, 023, 135
Nikko.....	014, 054	Scott.....	012, 015, 025, 032, 038, 065, 116
Noblex.....	013	Sears.....	000, 011, 014, 021, 023, 026, 049, 051, 054, 055, 056, 084, 107, 118
Olympus.....	021	Sharp.....	001, 017, 029, 096
Optimus.....	001, 014, 054	Shantom.....	056, 061, 084, 098, 119
Optonica.....	096	Shogun.....	013
Orion.....	000, 031, 130	Signature.....	001
Panasonic.....	021, 022, 109, 125, 127	Singer.....	021, 061, 128
Pentax.....	016, 055, 056, 084, 107, 120	Sony.....	098, 099, 119
Pentax Research.....	018	STS.....	021, 107
Philco.....	021, 022, 062, 063	Sylvania.....	021, 022, 026, 062, 063, 065, 124
Philips.....	021, 022, 062, 096, 124, 136	Symphonic.....	026
Pilot.....	014	Tandy.....	011
Pioneer.....	010, 055, 123	Tashiko.....	014, 054
Portland.....	016, 017, 019, 110	Tatung.....	111
PROSCAN.....	000	Teac.....	026, 085, 111
Protec.....	061	Technics.....	021, 109
Pulsar.....	104	Teknika.....	014, 021, 022, 026, 054, 100
Quarter.....	011	Toshiba.....	015, 049, 051, 055, 065, 113, 116, 118
Quartz.....	011	Totevision.....	013, 014, 054
Quasar.....	021, 022, 125	TMK.....	013, 024
RadioShack.....	001, 014, 054, 096	Unitech.....	013
RadioShack/Realistic.....	011, 013, 014, 021, 022, 023, 026, 029, 049, 054, 096	Vector Research.....	009, 010, 015, 016
Radix.....	014, 054	Victor.....	010
Randex.....	014	Video Concepts.....	009, 010, 015, 016
RCA.....	000, 003, 007, 013, 021, 022, 055, 056, 082, 083, 084, 085, 086, 087, 088, 089, 090, 091, 100, 107, 115, 120, 125, 133	VideoSonic.....	013
Realistic.....	001, 011, 013, 014, 015, 021, 022, 023, 026, 029, 049, 054, 096	Wards.....	001, 013, 014, 015, 021, 022, 023, 026, 029, 054, 055, 056, 061, 084, 088, 090, 096, 107, 116
Ricoh.....	128	XR-1000.....	021, 026, 061
Runco.....	104	Yamaha.....	009, 010, 011, 018, 111
Samsung.....	013, 015, 033, 053, 055, 112, 134	Zenith.....	026, 098, 104, 119, 128, 130, 137

PVR* Codes

RePlay.....	139
Tivo.....	140

*PVR's are programmed under the VCR-DVD or VCR key

DVD Codes

Aiwa.....	350	Onkyo.....	147
Apex.....	385, 384, 389	Ortron.....	152
Broksonic.....	379	Panasonic.....	148, 355
Daewoo.....	385	Philips.....	162, 356, 357, 358, 371, 377
Emerson.....	386, 387	Pioneer.....	149, 150, 165
Funai.....	387	PROSCAN.....	160
Go Video.....	372	Qwestar.....	152
Hitachi.....	141, 351	RCA.....	153, 160, 374, 380, 382
JVC.....	146, 161, 352, 373	Samsung.....	154, 155, 368, 375
Kenwood.....	142	Sansui.....	168
Konka.....	353, 354	Sanyo.....	359, 376
Magnavox.....	143, 162, 357, 358	Sharp.....	156, 158, 369
Memorex.....	144	Sony.....	157, 159, 164, 166, 360, 361
Mintek.....	145	Sylvania.....	387
Mitsubishi.....	163	Toshiba.....	167, 169, 362, 363, 365, 366, 381
NAD.....	386	Zenith.....	364, 367, 378

TV/DVD Combo

.....	TV	DVD
Broksonic.....	239	379
RCA.....	240	380
Toshiba.....	241	381

VCR/DVD Combo

.....	VCR	DVD	.....	VCR	DVD
Go Video.....	131	372	Samsung.....	134	375
JVC.....	132	373	Sanyo.....	135	376
Philips.....	136	377	Zenith.....	137	378
RCA.....	133	374			

Portable DVD

RCA.....	382
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Satellite Codes

Alphastar.....	079	Panasonic.....	075
Dish Network.....	078	Philips.....	085
Echostar.....	089	Primostar.....	076
Express Vu.....	091	PROSCAN.....	047, 071, 080, 081
GE.....	047, 071, 080, 081	RCA.....	047, 071, 080, 081
Hitachi.....	083, 084	Sony.....	072
Hughes Network Systems.....	077, 083, 090	Star Choice.....	092
JVC.....	082	Toshiba.....	073
Magnavox.....	085	Uniden.....	086
Motorola.....	047, 071		

Cable Box Codes

ABC.....	001, 003, 004, 005, 006	RCA.....	000, 049
Antronix.....	008, 009	Realistic.....	009
Archer.....	008, 009, 011	Regal.....	022, 035
Cabletenna.....	008	Regency.....	017
Cableview.....	008	Rembrandt.....	003
Century.....	011	Samsung.....	034
Citizen.....	011	Scientific Atlanta.....	006, 036, 037, 038
Colour Voice.....	012	Signal.....	018
Eastern.....	017	Signature.....	003
Garrard.....	011	Sprucer.....	000
GC Electronics.....	009	Starcom.....	001, 018
GE.....	000, 003	Stargate.....	018
Gemini.....	018	Starquest.....	018
General Instruments.....	000, 001, 003, 046, 049	Tocom.....	004, 023
Hamlin.....	020, 021, 022, 035	Tusa.....	018
Hitachi.....	003	TV86.....	027
Jasco.....	011	Unika.....	008, 009, 011
Jerrold.....	000, 001, 003, 005, 018, 023, 046, 049	United Cable.....	001
Magnavox.....	025	Universal.....	008, 009, 011
Motorola.....	000, 003, 046	View Star.....	025, 027
Movie Time.....	027	Zenith.....	000, 050, 051
NEC.....	005		
NSC.....	027		
Panasonic.....	000, 048		
Philips.....	011, 012, 025		
Pioneer.....	033, 034		
PROSCAN.....	003		

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- Full code lists for both remotes included!
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Your RCA Universal Remote is compatible with most brands (of infrared remote controlled components manufactured after 1990). Below is a list showing some of those brands. Check the enclosed Code List for a complete listing along with their corresponding popular setup codes for quick and easy reference. **The remote already operates most RCA, GE and PROSCAN products without any programming!**

TV	VCR	DVD	CD	SATELLITE	CABLE	AUDIO
Apex	Allegro	Aiwa	Aiwa	Alphastar	ABC	Aiwa
Audiovox	Broksonic	Allegro	ADC	Bell ExpressVu	Antronix	Denon
Broksonic	Canon	Apex	ADO	Chaparral	Archer	Harman Kardon
Citizen	Curtis Mathes	Broksonic	Akai	Dish Network	Cableview	JBL
Curtis Mathes	Daewoo	Daewoo	Denon	Drake	Century	JVC
Daewoo	Emerson	Emerson	Dynatech	Echostar	Citizen	Kenwood
Emerson	GE	Funai	Emerson	GE	Contec	Koss
GE	Go Video	GE	Fisher	General	Garrard	Onkyo
Hisense	Hitachi	Go Video	GE	Instruments	GE	Optimus
Hitachi	JC Penney	Hitachi	Hitachi	Hitachi	Gemini	Panasonic
JC Penney	JVC	JBL	Inkel	Hughes	General	Philips
JVC	Kenwood	JVC	JVC	Network	Instruments	Pioneer
Kenwood	LG (Goldstar)	Kenwood	Kenwood	Systems	Hitachi	RCA
KLH	LXI	Konka	Luxman	JVC	Jasco	Sherwood
LG (Goldstar)	Magnavox	Koss	NEC	Magnavox	Jerrold	Sony
LXI	Matsushita	Lasonic	Marantz	Motorola	Magnavox	Technics
Magnavox	Mitsubishi	Magnavox	MCS	Panasonic	Motorola	Venturer
Mitsubishi	Montgomery	Memorex	Mitsubishi	Philips	NEC	Yamaha
Montgomery	Ward	Mintek	Nakamichi	Philips	Panasonic	
Ward	NEC	Mitsubishi	Onkyo	Primestar	Philips	
NEC	Panasonic	NAD	Optimus	Realistic	Pioneer	
Orion	Philco	Onkyo	Panasonic	PROSCAN	Pioneer	
Panasonic	Philips	Oritron	RCA	RCA	PROSCAN	
Philco	Pioneer	Panasonic	Sanyo	Sony	RCA	
Philips	PROSCAN	Philips	Sears	Star Choice	Realistic	
Pioneer	Quasar	Pioneer	Sherwood	Toshiba	Regency	
Prima	RadioShack/	PROSCAN	Sony	Uniden	Samsung	
PROSCAN	Realistic	Qwestar	Teac		Scientific	
Quasar	RCA	RCA	Technics		Atlanta	
RadioShack/	Samsung	Samsung	Toshiba		Standard	
Realistic	Sanyo	Sansui	Yamaha		Component	
RCA	Sears	Sanyo			Starcom	
Sampo	Sharp	Sharp			Stargate	
Samsung	Sony	Sony			Starquest	
Sanyo	Sylvania	Sylvania			Tomcom	
Sears	Tandy	Toshiba			TV86	
Sharp	Teknika	Venturer			United Cable	
Sony	Toshiba	Xbox®*			Universal	
Sylvania	Victor	Yamaha			View Star	
Tandy	Wards	Zenith			Zenith	
Teknika	Yamaha					
Toshiba	Zenith					
Victor						
Wards						
Yamaha						
Zenith						

*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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