

U N I V E R S A L



Remote

Compatible with today's most popular brands.

Universal



TV



DVD or VCR



CABLE

Consolidates up to 3 remotes

Dedicated MENU key for DVD navigation

remote

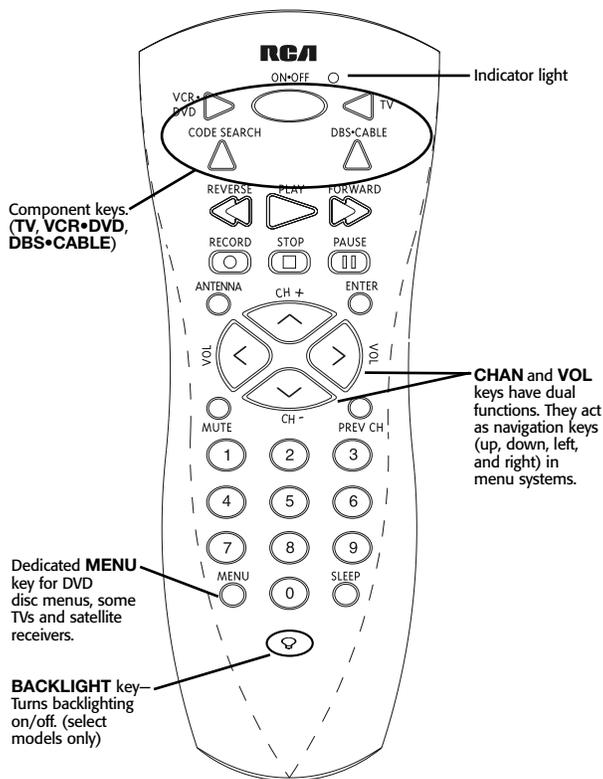
See back for most popular brands.

Multi-Brand Use

RCU310

Table of Contents

Product Diagram2
 Introduction3
 Battery Installation and Information3
 Key Descriptions3
 Program for TV—Direct Entry Method5
 Program for DVD or VCR—Direct Entry Method6
 Program for Satellite or Cable Box—Direct Entry Method ...7
 Code Search Methods8
 Manual Code Search8
 Automatic Code Search8
 Code Retrieval9
 Sleep Feature10
 On-screen Menus10
 Accessing a Menu System11
 Highlighting and Selecting Menu Items11
 Exiting a Menu System11
 Troubleshooting12
 Limited 90-Day Warranty14



Actual model may vary from picture shown



3 Component Universal Remote

Congratulations on your purchase of the 3 component universal remote. This universal remote controls up to three electronic components and makes juggling remote controls a thing of the past. 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.) The 3 component universal remote is easy to use, easy to program and gives you control at the touch of your fingertips.

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.

Battery Installation and Information

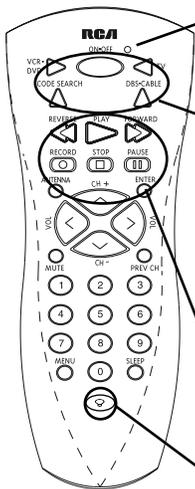
Your universal remote requires two AAA Alkaline batteries (batteries may or may not be included, depending on model). To install the batteries:



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**).

Backlight Key (select models only)—Turns backlighting on/off. Backlighting will turn off for approximately 6 seconds after last keypress to conserve battery life.

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 8). 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 Menu 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.

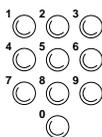
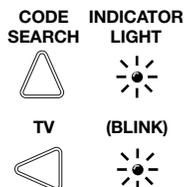
REC (Record): used with VCR to record programming. You must press the **REC** key twice to start recording.

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 8).
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.



(OFF)

ON•OFF



TV CODE		

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 8).

For a description of each key on the remote control, refer to the Key Descriptions section on page 3-4.

Program for DVD or VCR— Direct Entry Method

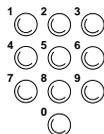
In order for the 3 component universal remote to control your DVD or VCR, you must program it with the code that matches your component. The **VCR•DVD** key can be programmed to operate either a DVD or a VCR player. These instructions explain the preferred method of programming the remote—the Direct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

CODE SEARCH **INDICATOR LIGHT**



VCR•DVD

(BLINK)



(OFF)

ON•OFF



VCR OR DVD CODE		

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 8).

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 8).

For a description of each key on the remote control, refer to the Key Descriptions section on page 3-4.

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 8).

CODE SEARCH **INDICATOR LIGHT**



DBS•CABLE

(BLINK)



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.

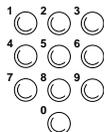
5. Use the number keys on the remote to enter the first code listed for your brand.

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 8). For a description of each key on the remote control, refer to the Key Descriptions section page 3-4.



(OFF)

ON•OFF



DBS (SATELLITE) OR CABLE BOX CODE		

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 5-7.

Manual Code Search

CODE SEARCH **INDICATOR LIGHT**



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.

DBS• CABLE **VCR• DVD** **TV**



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.

(BLINK)



ON•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.

ENTER



Auto Code Search

CODE SEARCH **INDICATOR LIGHT**



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.

DBS• CABLE **VCR• DVD** **TV**



(BLINK)



ON•OFF



ENTER



- 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.
- 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.
- 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).

CODE SEARCH **INDICATOR LIGHT**



DBS•CABLE **VCR•DVD** **TV**



(BLINK)



CODE SEARCH



(OFF)



(BLINK)



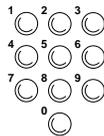
- Press and hold the **CODE SEARCH** key until the indicator light illuminates. Then release the **CODE SEARCH** key.
- Press and release the component key that matches the component's code you are retrieving (**TV**, **VCR•DVD**, or **DBS•CABLE**). The indicator light blinks once and then remains lit.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

SLEEP **INDICATOR LIGHT**



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

SLEEP **(BLINK)**



OR

ON•OFF



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

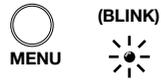
This remote cannot access every menu system of all models and brands of consumer electronics components. However, if you've successfully programmed the **VCR•DVD** key to operate a DVD player, you can access DVD disc menus with the **MENU** key.

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 ducts, 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 8)
- 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 3).
- 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 5-7). 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.

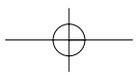
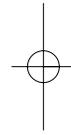
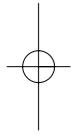
- The TV must be tuned to the Video Input that matches the manner in which you connected the component to the TV. For example, if you connected your DVD player to your TV by connecting audio/video cables (usually color-coded yellow, red, and white) to the TV’s Input 1 jack, you must tune the TV to its 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.

Limited 90-Day Warranty

THOMSON INC. warrants that for 90 days from date of purchase, it will replace this product if found to be defective in materials or workmanship. Return it postage prepaid to the Product Exchange Center address for prompt, no-charge replacement with a current equivalent. This replacement is THOMSON INC.'s sole obligation under this warranty. THOMSON INC. will not be responsible for any incidental or consequential damages or for any loss arising in connection with the use or in ability to use this product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty excludes defects or damage due to misuse, abuse or neglect. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

Product Exchange Center
11721 Alameda Ave.
Socorro, TX 79927





Consolidate three remote controls into one!

Operates up to three components, including:

- TV
- DVD or VCR
- Cable box

Dedicated MENU key

Operates menu system of major TV brands (most RCA, GE, PROSCAN) and some other popular brands. Operates DVD disc menus!

Compatible with today's most popular brands!

Your RCA universal remote control is compatible with most brands of infrared remote-controlled components manufactured after 1990. Some well-known brands are shown below. The complete list of brands is found on the Code List inside this package. **The remote already operates most RCA, GE and PROSCAN products without any programming!**

TV	DVD	VCR	Cable
Audiovox	Aiwa	Canon	Cableview
Citizen	Hitachi	Curtis Mathes	Citizen
Curtis Mathes	JVC	Daewoo	GC Electronics
Daewoo	Konka	Emerson	General Instruments
Emerson	Magnavox	GE	Scientific Atlanta
GE	Mitsubishi	Hitachi	United Cable
Hitachi	Panasonic	JC Penney	Universal
JC Penney	Philips	JVC	
JVC	Pioneer	Kenwood	
Kenwood	PROSCAN	LG (Goldstar)	
LG (Goldstar)	RCA	LXI	
LXI	Sanyo	Magnavox	
Magnavox	Sony	Matsushita	
Mitsubishi	Toshiba	Mitsubishi	
Montgomery Ward	Zenith	Montgomery Ward	
Ward		NEC	
NEC		Panasonic	
Orion		Philco	
Panasonic		Philips	
Philco		Pioneer	
Philips		PROSCAN	
Pioneer		Quasar	
PROSCAN		RadioShack/Realistic	
Quasar		RCA	
RadioShack/Realistic		Samsung	
RCA		Sanyo	
Samsung		Sears	
Sanyo		Sharp	
Sears		Sony	
Sharp		Sylvania	
Sony		Tandy	
Sylvania		Teknika	
Tandy		Toshiba	
Teknika		Victor	
Toshiba		Wards	
Victor		Yamaha	
Wards		Zenith	
Yamaha			
Zenith			

INSERT UPC HERE

Requires 2 AAA batteries (sold separately).

©2003 THOMSON INC.
10330 N. Meridian Street
Indianapolis, IN 46290
Made in Indonesia

RCU310 US IB Rev B

Trademark(s) ®Registered
Marca(s) Registrada(s)
www.rca.com
See inside for details.