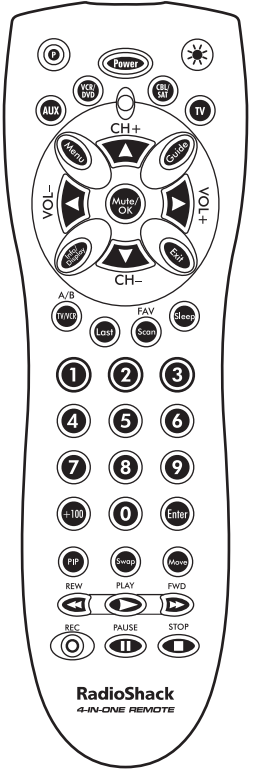


RadioShack

4-in-ONE REMOTE



USER GUIDE

INTRODUCTION

Thank you for purchasing a RadioShack 4-in-One Universal Remote with backlighting. Your remote lets you control up to four home entertainment devices with one easy-to-use, compact unit.

After installing batteries (see the next section), you can immediately use the RadioShack 4-in-One remote to control an RCA TV, VCR, and DVD player, and a Motorola cable box. To control other brands, perform the instructions in *Programming A Device*.

For best results, please read and perform all the remaining instructions. Also, keep this guide for future reference.

INSTALLING BATTERIES

Your RadioShack 4-in-One remote requires four AAA batteries (not supplied) for power. For the best performance and longest life, we recommend using RadioShack alkaline batteries.

Battery Use And Safety

- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (e.g., standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.
- If you do not plan to use the remote for an extended period, remove the batteries. They can leak chemicals that can destroy electronic parts.

WARNING: Dispose of old batteries promptly and properly. Do not burn or bury them.

To Install Batteries:

- Press the tab on the battery compartment cover (located on the back of the remote) and lift off the cover.
- Place the AAA batteries in the compartment and match the + and – polarity symbols inside.
- Align the cover key with the compartment opening and replace the cover.
- Test the RadioShack 4-in-One remote by first pressing **Power** and then any device key (e.g., **TV**). If batteries are inserted correctly, the red LED will blink once after each key press.

NOTE: When the RadioShack 4-in-One remote stops operating properly, replace the batteries within 10 minutes (to protect the programming information).

A QUICK LOOK AT THE CONTROLS

	Use P for all programming sequences.
	Press Power once to turn on or off the selected device.
	Press * once to turn on (or off) the backlight. When on, it will stay lit for 5 seconds. Thereafter, every key press will reset the 5-second timer to start the count again. If no key is pressed during this time, the backlight will turn off.
	In the programming mode, the backlight works the same, except it stays on longer for 10 seconds.

PROGRAMMING A DEVICE

The remote comes preprogrammed to operate an RCA TV, VCR, and DVD player, and a Motorola cable box. To control devices other than default brands, follow these steps; otherwise, skip this section. Before proceeding, find the codes for the devices you want to program in *Manufacturer's Codes* and write them down or highlight them.

NOTE: To program a TV/DVD or VCR/DVD Combo, use the **VCR/DVD** key. To program a PVR, HTiB, or a second VCR or DVD player, use the **AUX** key.

NOTE: If your brand of TV/DVD or TV/VCR Combo has additional code listed for its TV or VCR, perform the steps below with the main code. Then repeat the steps again, but in step 2 use **TV** (for the TV code of a TV/DVD Combo) or **AUX** (for the VCR code of a VCR/DVD Combo). Also see the section on "Reassigning Device Keys".

- Turn on the device (e.g., VCR or DVD player) and, if needed, load media (e.g., cassette or disc).
- On the remote, press a device key (i.e., **AUX**, **VCR/DVD**, **CBL/SAT**, or **TV**).
- Press and hold **P** until the red LED blinks twice, then release **P**.
- Enter the first four-digit code for your device. The LED blinks once as each digit is entered. If the code is correct, the LED blinks twice.
- Aim the remote at the device and press **Power** (or **PLAY**, if it does not have a Power key). The device should turn off. If it does not, repeat steps 2 to 5, trying each code for your brand until you find one that works. If you cannot find a code that works, see *Searching For Your Code*.
- Repeat steps 1 to 5 for each device you want to control. For future reference, write down each working device code in a safe place.

SEARCHING FOR YOUR CODE

If your device does not respond to the remote after trying all codes listed for your brand, or if your brand is not listed at all, try searching for your code. For example, to search for a code for your TV:

- On the remote, press **TV** once.
- Press and hold **P** until the red LED blinks twice, then release **P**.
- Enter **9 9 1**. The LED blinks twice.
- Aim the remote at the TV and slowly alternate between pressing **Power** and **TV**. The remote sends IR codes from its library to the selected device, starting with the most popular code first. Stop when the TV turns off.
- To lock in the code, press and hold **P** until the LED blinks twice, then release **P**.
- To search for other device codes, repeat steps 1 to 5, substituting the appropriate key for the device you are searching for.

CHECKING THE CODES

If you have set up the remote using the procedure in *Searching For Your Code*, you may need to find out which four-digit code is operating your equipment. For example, to find out which code is operating your TV:

- On the remote, press **TV** once.
- Press and hold **P** until the red LED blinks twice, then release **P**.
- Enter **9 9 0**. The LED blinks twice.
- To view the code for the first digit, press **1**. Count the LED blinks (e.g., three blinks = 3), and write down the number.
- NOTE:** If a code digit is 0, the LED does not blink.
- Repeat step 4 for the three remaining digits, using **2** for the second digit, **3** for the third digit, and **4** for the fourth digit.
- To check for other device codes, repeat steps 1 to 5, substituting the appropriate key for each device you are checking.

REASSIGNING DEVICE KEYS

The remote can be set to control a second VCR, DVD player, or other device (see *Manufacturer's Codes*). For example, to control a TV, a cable box, and two DVD players, perform these steps to reassign the unused **AUX** key to operate the second DVD player.

- On the remote, press and hold **P** until the red LED blinks twice, then release **P**.
- Enter **9 9 2**. The LED blinks twice.
- Press **VCR/DVD** then **AUX**. The **AUX** key is now ready to be programmed as your second DVD player. (see *Programming A Device*).

TRUBLESHOOTING

PROBLEM:	LED does not blink when you press a key.
SOLUTION:	Replace batteries with four (4) new AAA alkaline batteries.
PROBLEM:	LED blinks when you press a key, but device does not respond.
SOLUTION:	Make sure the remote is aimed at your device and is not more than 15 feet away.

PROBLEMING FAVORITE CHANNEL SCAN

The remote allows you to store a list of up to 10 favorite channels, in any order, that will be immediately scanned when you press **FAV** (**Scan**).

NOTE: Only channels from one device can be stored for Favorite Channel Scan.

- On the remote, press a desired device key.
- Press and hold **P** until the red LED blinks twice, then release **P**.
- Enter **9 9 6**. The LED blinks twice.
- Use the keypad to enter a favorite channel number (e.g., **031**), then press **P**.
- Repeat step 4 for each favorite channel to be stored, up to a total of 10 channels.
- To exit programming, press and hold **P** for three seconds. The LED blinks twice.

NOTE: If the original remote control required Enter to be pressed to change channels, press **Enter** on this remote after entering the channel number.

NOTE: If the original remote control required Enter to be pressed to change channels, press **Enter** on this remote after entering the channel number.

USING CHANNEL SCAN

Use **FAV** (**Scan**) to start a three-second scan of all favorite channels (if programmed – see *Programming Favorite Channel Scan* above) or all channels (if *Favorite Channel Scan* is not programmed).

- If *Favorite Channel Scan* has been set up, skip to step 2. Or, press the desired device key.
- Press **SCAN** once.
 - If *Favorite Channel Scan* has been set up, the device scans favorite channels, then continues to scan all channels for the device.
 - If *Favorite Channel Scan* has not been set up, scanning starts with the current channel.
- To stop scanning channels at any time, press any key once.

MANUFACTURER'S CODES

Setup Codes for Cable Boxes (Converters)

ABC	0003, 0008, 0014
Americast	0899
Bell & Howell	0014
Bell South	0899
Director	0476
General Instrument	0476, 0003
GoldStar	0144
Hamlin	0009, 0273
Jerrold	0476, 0003, 0014
Memorex	0000
Motorola	0476
Pace	0237
Panasonic	0000, 0107
Paragon	0000
Philips	0303, 0317
Pioneer	0877, 0144, 0533, 1877
Pulsar	0000
Quasar	0000
Regal	0273, 0279
Rumco	0000
Samsung	0144
Scientific Atlanta	0877, 0008, 0477, 1877
Sony	1006
Starcom	0003
Torx	0003
Toshiba	0000
Zenith	0000, 0525, 0899

Setup Codes for DVD Players

Anam	1913
Apex Digital	0672, 0717, 0755, 0796, 1100, 1915
Audiovox	0790
Blaupunkt	0717
Blue Parade	0571
Broksonic	0695
Cinevision	0876
CyberHome	0816
DVD2000	0521
Daewoo	0784
Denon	0490
Emerson	0591
Enterprise	0591
Fisher	0670
GE	0672, 0717, 0815
Go Video	0715, 0783
Gradiente	0651
Greenhill	0717
Harman/Kardon	0582
Hitachi	0573, 0664
Hiteker	0672
IRT	0783
JVC	0558, 0623, 0867
KLH	0717, 0790
Kenwood	0490, 0534
Koss	0651
Lasonic	0798
Magnavox	0503, 0675, 1914
Marantz	0539
Microsoft	0522
Mintek	0717
Mitsubishi	0521
Nesa	0717
Norcent	0872, 1923
Onkyo	0503
Orion	0651
Panasonic	0490, 0632, 1490
Philips	0503, 0539, 0854, 1914
Pioneer	0525, 0571, 0632
Polk Audio	0539
Proscan	0522
Qwestar	0651
RCA	0522, 0571, 0717, 0790, 0822, 1022, 1913
Rotel	0623
Samsung	0573, 1932
Sansui	0695
Sanyo	0670, 0695
Sharp	0630
Shinonic	0533
Sony	0675, 0864, 1903, 1904
Sylvania	0675
Technics	0490

PROBLEMING

PROBLEM:	LED blinks one long blink.
SOLUTION:	An entry error has occurred (e.g., wrong key). Try entry sequence again.
PROBLEM:	Remote does not control devices or commands are not working properly.
SOLUTION:	Try all listed codes for the device. Make sure the device operates with an infrared remote control.
PROBLEM:	DVD/VCR combo does not respond.
SOLUTION:	Use the DVD codes for your brand. Some units may require both a DVD code and a VCR code for full operation.
PROBLEM:	CH+ , CH- , and LAST do not work for your RCA TV.
SOLUTION:	Due to RCA design from 1983 to 1987, only the original remote control will operate these functions.
PROBLEM:	No volume on a second TV.
SOLUTION:	Follow steps in <i>Changing Volume Lock</i> .
PROBLEM:	Channels do not change properly.
SOLUTION:	If the original remote control required Enter to be pressed to change channels, press Enter on this remote after entering the channel number.
PROBLEM:	Cannot find a working code using the instructions in <i>Searching for Your Code</i> .
SOLUTION:	Press and hold P until the LED blinks twice, then release. Enter 9 9 2 . Press and release the device key twice, then try searching again.
PROBLEM:	During programming, the remote returns to normal operation before programming is finished.
SOLUTION:	More than 10 seconds have elapsed between key presses. Try programming again with less time between key presses.

Setup Codes for Satellite Receivers

Alphastar	0772
Chapparral	0216
Crossdigital	1109
DirecTV	0392, 0566, 0639, 1142, 0247, 0749, 0724, 0819, 1076, 1109, 1749, 1856
Dish Net. Sys.	1005, 0775
DishPro	1005, 0775
Echostar	1005, 0775
Expressvu	0775
GE	0566
SSI	0775
General Instrument	0869
HTS	0775
Hitachi	0819
Hughes Net. Sys.	1142, 0749, 1749
JVC	0775
Magnavox	0724, 0722
Memorex	0724
Mitsubishi	0749
Regal	0869
Next Level	0869
Panasonic	0247, 0701
Paysat	0724
Philips	1142, 0749, 0724, 1076, 0722, 1749
Proscan	0392, 0566
RCA	0392, 0566, 0855, 0143
RadioShack	0869
SKY	0856
Samsung	1109, 1276
Sony	0639
Star Choice	0869
Shar	0749, 0790, 1749
UltimateTV	0392, 0639
Unionen	0724, 0722
Zenith	0856, 1856

Setup Codes for TVs

AOC	0030
Admiral	0093, 0463
Advent	0761
Aiko	0092
Aiwa	0701
Akai	0030, 0702
Alaron	0179
America Action	0180
Anam	0180
Apex Digital	0748, 0765
Audiovox	0451, 0180, 0092, 0623
Baysonic	0180
Bell & Howell	0154, 0016
Bradford	0180
Broksonic	0236, 0463
CXC	0180
Candle	0030, 0056
Carnival	0030
Carver	0054
Celebrity	0000
Celera	0765
Changhong	0765
Cineral	0451, 0092
Citizen	0060, 0030, 0056, 0092
Clarion	0180
Concerto	0180
Contec	0180
Craig	0180
Crosley	0054
Crown	0180
Curtis Mathes	0047, 0054, 0154, 0451, 0093, 0060, 0030, 0145, 0056, 0016, 0166, 0466, 0072, 1147, 1347
Daewoo	0451, 0092, 0623
Denon	0145
Dumont	0017
Electroband	0000
Emerson	0154, 0236, 0463, 0180, 0178, 0179, 0623
Envision	0030
Fisher	0154
Fujitsu	0179
Funai	0180, 0179, 0171
Futuretech	0180
GE	0047, 0051, 0451, 0178, 0021, 1147, 1347
Gibraltar	0017, 0030
GoldStar	0030, 0178

Setup Codes for DVD Player/VCR Combos

Go Video	0715
Hitachi	0664 (for VCR use 0000)
JVC	0867
RCA	0822 (for VCR use 0060)
Sansui	0695
Sharp	0630 (for VCR use 0848)
Sony	0864
Sylvania	0675 (for VCR use 0000)
Toshiba	0503

Setup Codes for HTiBs (Home-Theater-in-a-Box)

Anam	1913
Apex Digital	1915
Audiovox	0790
Gradiente	0651
KLH	0790
Koss	0651
Magnavox	1914
Norcent	1923
Orion	0651
Philips	1914
Qwestar	0651
RCA	0790, 1913
Samsung	1932
Sony	1903, 1904
Venturer	0790

Setup Codes for PVRs (DVRs)

Panasonic	0616
Philips	0618
RCA	0880
ReplayTV	0614, 0616
Sonic Blue	0614, 0616
Sony	0636
Tivo	0618, 0636

Setup Codes for Satellite Receivers

Alphastar	0772
Chapparral	0216
Crossdigital	1109
DirecTV	0392, 0566, 0639, 1142, 0247, 0749, 0724, 0819, 1076, 1109, 1749, 1856
Dish Net. Sys.	1005, 0775
DishPro	1005, 0775
Echostar	1005, 0775
Expressvu	0775
GE	0566
SSI	0775
General Instrument	0869
HTS	0775
Hitachi	0819
Hughes Net. Sys.	1142, 0749, 1749
JVC	0775
Magnavox	0724, 0722
Memorex	0724
Mitsubishi	0749
Regal	0869
Next Level	0869
Panasonic	0247, 0701
Paysat	0724
Philips	1142, 0749, 0724, 1076, 0722, 1749
Proscan	0392, 0566
RCA	0392, 0566, 0855, 0143
RadioShack	0869
SKY	0856
Samsung	1109, 1276
Sony	0639
Star Choice	0869
Shar	0749, 0790, 1749
UltimateTV	0392, 0639
Unionen	0724, 0722
Zenith	0856, 1856

Setup Codes for Satellite Receivers

Alphastar	0772
Chapparral	0216
Crossdigital	1109
DirecTV	0392, 0566, 0639, 1142, 0247, 0749, 0724, 0819, 1076, 1109, 1749, 1856
Dish Net. Sys.	1005, 0775
DishPro	1005, 0775
Echostar	1005, 0775
Expressvu	0775
GE	0566
SSI	0775
General Instrument	0869
HTS	0775
Hitachi	0819
Hughes Net. Sys.	1142, 0749, 1749
JVC	0775
Magnavox	0724, 0722
Memorex	0724
Mitsubishi	0749
Regal	0869
Next Level	0869
Panasonic	0247, 0701
Paysat	0724
Philips	1142, 0749, 0724, 1076, 0722, 1749
Proscan	0392, 0566
RCA	0392, 0566, 0855, 0143
RadioShack	0869
SKY	0856
Samsung	1109, 1276
Sony	0639
Star Choice	0869
Shar	0749, 0790, 1749
UltimateTV	0392, 0639
Unionen	0724, 0722
Zenith	0856, 1856

Setup Codes for TVs

AOC	0030
Admiral	0093, 0463
Advent	0761
Aiko	0092
Aiwa	0701
Akai	0030, 0702
Alaron	0179
America Action	0180
Anam	0180
Apex Digital	0748, 0765
Audiovox	0451, 0180, 0092, 0623
Baysonic	0180
Bell & Howell	0154, 0016
Bradford	0180
Broksonic	0236, 0463
CXC	0180
Candle	0030, 0056
Carnival	0030
Carver	0054
Celebrity	0000
Celera	0765
Changhong	0765
Cineral	0451, 0092
Citizen	0060, 0030, 0056, 0092
Clarion	0180
Concerto	0180
Contec	0180
Craig	0180
Crosley	0054
Crown	0180
Curtis Mathes	0047, 0054, 0154, 0451, 0093, 0060, 0030, 0145, 0056, 0016, 0166, 0466, 0072, 1147, 1347
Daewoo	0451, 0092, 0623
Denon	0145
Dumont	0017
Electroband	0000
Emerson	0154, 0236, 0463, 0180, 0178, 0179, 0623
Envision	0030
Fisher	0154
Fujitsu	0179
Funai	0180, 0179, 0171
Futuretech	0180
GE	0047, 0051, 0451, 0178, 0021, 1147, 1347
Gibraltar	0017, 0030
GoldStar	0030, 0178

Setup Codes for DVD Player/VCR Combos

Go Video	0715
Hitachi	0664 (for VCR use 0000)
JVC	0867
RCA	0822 (for VCR use 0060)
Sansui	0695
Sharp	0630 (for VCR use 0848)
Sony	0864
Sylvania	0675 (for VCR use 0000)
Toshiba	0503

Setup Codes for HTiBs (Home-Theater-in-a-Box)

Anam	1913
Apex Digital	1915
Audiovox	0790
Gradiente	0651
KLH	0790
Koss	0651
Magnavox	1914
Norcent	1923
Orion	0651
Philips	1914
Qwestar	0651
RCA	0790, 1913
Samsung	1932
Sony	1903, 1904
Venturer	0790

Setup Codes for PVRs (DVRs)

Panasonic	0616
Philips	0618
RCA	0880
ReplayTV	0614, 0616
Sonic Blue	0614, 0616
Sony	0636
Tivo	0618, 0636

Setup Codes for Satellite Receivers

Alphastar	0772
Chapparral	0216
Crossdigital	1109
DirecTV	0392, 0566, 0639, 1142, 0247, 0749, 0724, 0819, 1076, 1109, 1749, 1856
Dish Net. Sys.	1005, 0775
DishPro	1005, 0775
Echostar	1005, 0775
Expressvu	0775
GE	0566
SSI	0775
General Instrument	0869
HTS	0775
Hitachi	0819
Hughes Net. Sys.	1142, 0749, 1749
JVC	0775
Magnavox	0724, 0722
Memorex	0724