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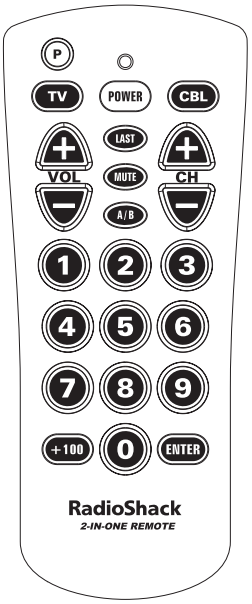
2-in-1 Universal Remote Control



Owner's Manual
Please read before using this equipment.

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❒ Features

Your RadioShack 2-in-1 Universal Remote Control allows you to control both your TV and cable converter with one easy-to-use, compact remote control. Its features include:

Last Station Recall — lets you go from the station you are currently watching to the last one at the touch of a button.

Large, Easy-to-Use Buttons — improve remote control access and operation.

+100 Key — lets you access the higher cable channels.

Powerful Infrared Beam — lets you operate your TV or cable converter from a greater distance than many other remote controls.

Extensive Code Library — contains remote control codes for virtually every television and cable converter made today, including discontinued devices.

For your convenience, the remote control has been preset to control an RCA TV (compatible with code 0047) and a Jerrold cable converter (compatible with code 0003). To control other brands, you must do some simple programming after you install three AAA alkaline batteries (not included).

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

❒ *Introduction*

Your Radio Shack 2-in-1 Remote Control was designed to control the most commonly-used functions on your TV and cable converter.

When you set up the remote control, its command keys operate the same as the keys on your original TV and Cable remote controls. For example, the **POWER** key works like the POWER ON/OFF key on your original TV remote control.

Key	Function
P	Use to program the remote control.
POWER **VOL +** **VOL –** **CH +** **CH –** **LAST** **MUTE** **ENTER** (**0**–**9**) **+ 100** **A/B**	Operate the same as the corresponding keys on your original remote controls.
TV **CBL**	Use to set up the remote control to replace your original remote controls. Also use in normal operation to remotely select a desired device to control.

Note: This remote control might not be able to duplicate some of your original remote control's seldom-used functions.

❒ Preparation

INSTALLING BATTERIES

Your remote requires three AAA batteries (not supplied) for power. For the best performance and longest life, we recommend RadioShack alkaline batteries.

When batteries become low, the remote control will cease to operate in order to protect stored settings. Replacing the batteries with new ones will restore full functionality and will not require you to reprogram your remote control.

Cautions:

- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (standard or alkaline).
- Do not use rechargeable batteries.
- Do not press any of the remote control's keys while installing batteries.

1. Press the battery compartment cover's tab and lift off the cover.
2. Place the batteries in the compartment as indicated by the polarity symbols (+ and –) marked inside.
3. Replace the cover.

When the remote control's range decreases or it stops operating properly, replace the batteries.

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

Caution: If you do not plan to use the remote control for a month or longer, remove the batteries. Always remove old or weak batteries. Batteries can leak chemicals that can destroy electronic parts.

Note: Do not place objects on top of the remote control after you have installed the batteries. Doing so might depress keys for an extended period of time and reduce the battery life.

SETTING UP YOUR REMOTE CONTROL

You can use the remote control's device keys to control the following types of devices:

TV – TVs

CBL – Cable converters

Your remote control is preset to an RCA TV (compatible with code 0047) and a Jerrold cable converter (compatible with code 0003). Not all RCA TVs and Jerrold cable converters will work with the preset codes. Some will require the other codes listed in Manufacturer's Codes.

Follow these steps to control other brand devices or to use a different RCA or Jerrold code.

1. Refer to "Manufacturers' Codes" on Page 12 and write down the codes for the brand of device you want to program on the supplied label.

   Note: Some manufacturers might have several codes listed. Try each until you find the right one. If you cannot find the correct code, try performing a manual search (see "Manual Code Search" on Page 10).

2. Turn on your TV (or cable converter).

3. Press **TV** (or **CBL**).

4. Hold down **P** until the red light blinks twice, then enter the 4-digit manufacturer's code for the desired device. When the red light blinks twice, the remote control has accepted the code.

   For example, to set up the remote control of a Panasonic TV (manufacturer's code 0051), press **TV**, hold down **P** until the red light blinks twice, then press **0 0 5 1**.

Note: If you entered the code incorrectly, the red light blink once.

5. Point the remote control at your TV (or cable converter) and press **POWER**. The device should turn off.

   If the remote does not operate your device, try the other codes listed in “Manufacturers’ Codes” on Page 12 for your brand of TV or cable converter. You can also search to find a working code (see “Manual Code Search” on Page 10).

6. Repeat Steps 2–5 to program the other device (cable converter or TV).

❒ Operation

The command keys on the remote control work the same way as their counterpart keys on the original remote controls. However, they might be labeled differently.

1. Point the remote control at the device you want control and press its device key (**TV** or **CBL**). Then press **POWER** to turn on the device.
2. Press the desired command keys.
3. Repeat Steps 1 and 2 for the other device you want to operate.
4. To turn off the last device you selected, press **POWER**. To turn off the remaining device, press its device key, then press **POWER**.

CONVERTING THE CBL KEY

If you are not using **CBL**, you can reprogram it to operate a second TV.

Reassigning the CBL Key

1. Hold down **P** until the red light blinks twice.
2. Press **9 9 2**. The red light blinks twice.
3. Press **TV**.
4. Press **CBL**. The red light blinks twice to indicate successful programming.
5. Program the converted **CBL** key with the code for the second TV (see “Setting Up Your Remote Control” on Page 6).

Now each time you press **CBL**, you can control the second TV by pressing the desired function keys.

Restoring the CBL Key

When you are finished using your second TV, you can restore the **CBL** key to control a cable converter.

1. Hold down **P** until the red light blinks twice.
2. Press **9 9 2**. The red light blinks twice.
3. Press **CBL**.
4. Press **CBL** again. The red light blinks twice to indicate successful programming.

USING VOLUME LOCK

Volume Lock is preset so that pressing **VOL+/–** or **MUTE** only controls your TV's volume, even if you press **CBL**. If your cable converter has a volume control, you can change this setting to add control of the cable converter's volume.

Setting Volume Lock To Cable Converter

1. Hold down **P** until the red light blinks twice.
2. Press **9 9 3**. The red light blinks twice.
3. Press **CBL**. The red light blinks twice.

To control your cable converter's volume, press **CBL** then **VOL +/–**.

Resetting Volume Lock To TV

1. Hold down **P** until the red light blinks twice.
2. Press **9 9 3**. The red light blinks twice.
3. Press **TV**. The red light blinks twice.

Cancelling Volume Lock

1. Hold down **P** until the red light blinks twice.
2. Press **9 9 3**. The red light blinks twice.

3. Press **VOL+**. The red light blinks four times.

MANUAL CODE SEARCH

If your TV or cable converter does not respond to remote control commands after trying all of the codes listed for your brand, or if your brand is not listed at all, try searching for your code.

1. Turn on your TV or cable converter.
2. Press **TV (**or **CBL**) once.
3. Hold down **P** until the red light blinks twice.
4. Press **9 9 1**. The red light blinks twice.
5. Aim the remote control at the TV or cable converter and slowly alternate between pressing **POWER** and **TV** (or **CBL**). Stop when the TV or cable converter turns off. A working code has been found.

   Note: The remote control sends codes from its extensive library to the selected device, starting with the most popular codes first. Because of the library's size, this procedure may take some time. When the red light blinks twice, the search of every code is complete.
6. Press **P** once to lock in the code.

   Note: If the TV turns off during the search, but does not operate after you lock in the code, begin the search again, pausing longer between key presses.

Checking Your Code

If you set up the remote control using the "Manual Code Search" procedure, follow these steps to find out what code is operating your TV or cable converter.

1. Press **TV** or **CBL** once.
2. Hold down **P** until the red light blinks twice.
3. Press **9 9 0**. The red light blinks twice.

4. To view the code for the first digit, press **1**. Count the number of blinks (for example, 3 blinks = 3) and write down the number.

   Note: The red light does not blink if the code digit is a 0.

5. Repeat Step 4, pressing **2**, **3**, and **4** to view the codes for each successive digit.

❒ Manufacturers' Codes

The following list tells you which 4-digit codes to enter to set up the remote control.

Notes:

- The remote control might not have every command featured on your original remote controls.
- Use the supplied label to record the manufacturers' codes for your remote-controlled devices.
- A key on the remote control that has the same name as a key on your original remote control may have a slightly different function.

Manufacturer	Code Number	RadioShack Cat. No.
Cable Converters		
ABC	0003, 0008, 0014, 0017	
Allegro	0153, 0315	
Americast	0899	
Antronix	0022, 0207	
Archer	0153	16-1283
	0022	15-1285
	0207	16-1283
	0797	
Bell & Howell	0014	
Bell South	0899	
Cabletenna	0022	
Cableview	0022	
Century	0153	
Citizen	0153, 0315	
Contec	0019	
Emerson	0797	
Everquest	0015	
GC Electronics	0207	

Manufacturer	Code Number	RadioShack Cat. No.
Garrard	0153	
Gemini	0015, 0797	
General Instrument	0476, 0276, 0810	
GoldStar	0144	
Goodmind	0797	
Jasco	0015, 0153, 0315	
Jerrold	0003, 0012, 0476, 0276, 0014, 0015, 0810	
Memorex	0000	
Movie Time	0063	
NSC	0063	
Oak	0019	
Optimus	0021	
Panasonic	0000, 0021	
Paragon	0000	
Philips	0153	
Pioneer	0144, 0533, 0877	
Pulsar	0000	
Quasar	0000	
RCA	0021	
Radio Shack	0015, 0303, 0315, 0883	
	0797	15-1288
Realistic	0207	16-1283, 15-1285A
Runco	0000	
Samsung	0144	
Scientific Atlanta	0008, 0477, 0017, 0877	
Signal	0015	
Sprucer	0021	
Starcom	0003, 0015	
Stargate	0015, 0797	
Starquest	0015	
TV86	0063	

Manufacturer	Code Number	RadioShack Cat. No.
Tandy	0258	
Tocom	0012	
Toshiba	0000	
Tusa	0015	
Unika	0153, 0022, 0207	
Universal	0153, 0022, 0207	
Viewstar	0063, 0258	
Zenith	0000, 0525, 0899	
Televisions		
A-Mark	0003	
Akai	0218	
Akiba	0218	
Akura	0218	
Alba	0218	
Amstrad	0218	
Asuka	0218	
Audiosonic	0218	
AOC	0030, 0019, 0003	
Abex	0032	
Admiral	0093, 0463	
Aiko	0092	
Akai	0030	
Alaron	0179	
America Action	0180	
Anam	0180	
Archer	0003	
Astro Text	0596	
Audiovox	0451, 0180, 0003, 0092, 0623	
Basic Line	0218	
Baysonic	0180	
Belcor	0019	
Bell & Howell	0154, 0016	

Manufacturer	Code Number	RadioShack Cat. No.
Blue Sky	0218	
Bradford	0180	
Brockwood	0019	
Broksonic	0236, 0463, 0003	
BTC	0218	
Bush	0218	
CXC	0180	
Candle	0030, 0056	
Canton	0218	
Carnivale	0030	
Carver	0054	
Celebrity	0000	
Cimline	0218	
Cineral	0451, 0092	
Citizen	0060, 0030, 0056, 0039, 0092	
Clatronic	0218	
Concerto	0056	
Contec	0180	
Craig	0180	
Crosley	0054	
Crown	0180, 0039	
CS Electronics	0218	
Curtis Mathes	0047, 0054, 0154, 0051, 0451, 0093, 0060, 0030,	
	0145, 0056, 0016, 0039, 0166, 0466	
Cybertron	0218	
Daewoo	0451, 0019, 0039, 0092, 0623, 0624, 0218	
Daytron	0019	
Dainichi	0218	
Denon	0145	
Dumont	0017, 0019	

Manufacturer	Code Number	RadioShack Cat. No.
Electroband	0000	
Electrohome	0409	
Elite	0218	
Emerson	0154, 0236, 0463, 0180, 0282, 0178, 0019, 0179,	
	0039, 0623, 0624	
Envision	0030	
Fisher	0154	
Flint	0218	
Fujitsu	0179	
Funai	0180, 0179, 0171	
Futuretech	0180	
GBC	0218	
GE	0047, 0051, 0451, 0093, 0282, 0178, 0021	
Genexxa	0218	
Gibralter	0017, 0030, 0019	
GoldStar	0030, 0178, 0019, 0056, 0032, 0409	
Goodmans	0218	
GPM	0218	
Gradiente	0053, 0056	
Grunpy	0180, 0179	
Hallmark	0178	
Harley Davidson	0179	
Harman/Kardon	0054	
Harvard	0180	
HCM	0218	
Hikona	0218	
Hinari	0218	
Hisawa	0218	
Hitachi	0145, 0056, 0016, 0032, 0409	
ICE	0218	

Manufacturer	Code Number	RadioShack Cat. No.
ICEs	0218	
Infinity	0054	
Inteq	0017	
Intervision	0218	
Irradio	0218	
Isukai	0218	
JBL	0054	
JCB	0000	
JVC	0053, 0218	
Kaisui	0218	
KEC	0180	
KTV	0180, 0030, 0039	
Kenwood	0030, 0019	
Konka	0218	
Lifetec	0218	
LG	0056	
LXI	0047, 0054, 0154, 0156, 0178	
Logik	0016	
Luxman	0056	
MGA	0150, 0030, 0178, 0019	
MTC	0060, 0030, 0019, 0056	
Magnavox	0054, 0030, 0179	
Majestic	0016	
Marantz	0054, 0030	
Matsushita	0250	
Megatron	0178, 0145, 0003	
Memorex	0154, 0250, 0463, 0150, 0178, 0056, 0016	
Midland	0047, 0017, 0051, 0039, 0032	
Minutz	0021	
Mitsubishi	0093, 0150, 0178, 0019	
Motorola	0093	

Manufacturer	Code Number	RadioShack Cat. No.
Multitech	0180	
NAD	0156, 0178, 0166	
NEC	0030, 0019, 0056	
NTC	0092	
Nikkai	0218	
Nikko	0030, 0178, 0092	
Onwa	0180, 0218	
Optimus	0154	
	0250	
	0166	
Optonica	0093, 0165	
Orion	0236, 0463, 0179	
Orline	0218	
Osaki	0218	
Oso	0218	
Osume	0218	
Panasonic	0051, 0250	
Penney	0047, 0156, 0051, 0060, 0030, 0178, 0021, 0019	
	0056, 0039, 0003, 0032	
Philco	0054, 0463, 0030, 0145, 0019	
Philips	0054	
Pilot	0030, 0019, 0039	
Pioneer	0166	
Portland	0019, 0039, 0092	
Prism	0051	
Proscan	0047	
Proton	0178, 0003, 0466	
Pulsar	0017, 0019	
Quasar	0051, 0250, 0165	
RCA	0047, 0051, 0093, 0019, 0090	
Radialva	0218	

Manufacturer	Code Number	RadioShack Cat. No.
Radio Shack	0047, 0154	
	0165	16-232, 16-233, 16-236, 16-250, 16-260
	0180	16-252, 16-253, 16-262, 16-292
	0030	16-256, 16-263, 16-268, 16-280, 16-289
	0178	16-254, 16-255, 16-256, 16-265
	0019, 0056, 0039, 0032, 0409	
Realistic	0154	
	0165	
	0180, 0030, 0178, 0019	
	0056	16-288
	0032, 0039	
Roadstar	0218	
Runco	0017, 0030, 0603	
SSS	0180, 0019	
Sampo	0030, 0039, 0032	
Samsung	0060, 0030, 0178, 0019, 0056, 0032	
Samsux	0039	
Sansei	0451	
Sansui	0463	
Sanyo	0154	
Schneider	0218	
Scimitsu	0019	

Manufacturer	Code Number	RadioShack Cat. No.
Scotch	0178	
Scott	0236, 0180, 0178, 0019, 0179	
Sears	0047, 0054, 0154, 0156, 0178, 0179, 0056, 0171	
Sentra	0218	
Semivox	0180	
Semp	0156	
Sharp	0093, 0165, 0039	
Shogun	0019	
Signature	0016	
Sony	0000	
Soundesign	0180, 0178, 0179	
Spectricon	0003	
Squareview	0171	
Starlite	0180	
Standard	0218	
Stenway	0218	
Supreme	0000	
Susumu	0218	
Sylvania	0054, 0030	
Symphonic	0171	
TMK	0178, 0056	
Tandy	0093, 0218	
Tatung	0003	
Technics	0051, 0250	
Technol Ace	0179	
Techwood	0051, 0056, 0003	
Teknika	0054, 0180, 0150, 0060, 0019, 0179, 0056, 0016	
	0039, 0092	
Telefunken	0056	
Tensai	0218	
Texet	0218	

Manufacturer	Code Number	RadioShack Cat. No.
Toshiba	0154, 0156, 0060	
Totevision	0039	
Tristar	0218	
Vector Research	0030	
Victor	0053	
Vidikron	0054	
Videologic	0218	
Vidtech	0178, 0019	
Wards	0054, 0165, 0030, 0178, 0021, 0019, 0179, 0056	
	0016	
Watson	0218	
White Westing-house	0463, 0623, 0624	
Yamaha	0030, 0019	
Yoko	0218	
Zenith	0017, 0463, 0016, 0092, 0624	
Zonda	0003	

❒ Troubleshooting

If the remote control stops working after you have successfully tested the control for each device, or if you are unable to get the remote control to work at all, check these things:

- Be sure you press the device key for the device you want to control before you press any other key.
- Confirm that your IR devices are working properly by using the original remote control or the manual controls.
- Replace the batteries.

CARE

Keep the remote control dry; if it gets wet, wipe it dry immediately. Use and store the remote control only in normal temperature environments. Handle the remote control carefully; do not drop it. Keep the remote control away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

Modifying or tampering with the remote control's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it. If your remote control is not performing as it should, take it to your local RadioShack store for assistance. If the trouble is affecting the telephone lines, the phone company can ask you to disconnect your remote control until you have resolved the problem.

❒ Specifications

Power ..... 3 AAA Batteries

IR Control Range ..... 26 ft ± 30 degrees

Dimensions (HWD) ..... $6^1/_2 \times 2^1/_2 \times 1^1/_4$ In
($165 \times 38 \times 32$ mm)

Weight (Without Batteries) ..... 3.2 oz
(90.1 g)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, 200 Taylor Street, 6th Floor, Fort Worth, TX 76102

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RadioShack Corporation
Fort Worth, Texas 76102

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