



6-in-One Smart Audio/ Video Remote Control



Owner's Manual
Please read before using this equipment.

INTRODUCTION

Your RadioShack 6-in-One Smart Audio/Video (A/V) Remote Control is both preprogrammed with the most commonly used commands and equipped with “smart technology” that lets you customize your remote to suit your home entertainment needs.

Your 6-in-One can replace up to six infrared remote controls. Use it to control your TV, VCR, cable converter, satellite receiver, CD or DVD player, tuner, phonograph, video accessory, digital audio tape, cassette, or laser disc player from up to about 26 feet (8 meters) away. It also has these features:

Four Smart Keys — can learn up to 24 features from your original remotes (one for each key in up to six device modes), so you can use the 6-in-One to perform functions that were not part of its original programming.

Lighted Keypad — lets you easily see the remote’s buttons in a dark room. With this feature on, pressing any button lights the entire keypad.

Favorite Channel Scan — lets you program your remote to automatically scan through 10 of your favorite channels on a TV, VCR, or cable converter.

Sleep Timer — lets you set a device with or without a built-in sleep timer to operate for 15-minute intervals (up to 60 minutes), then automatically turn off.

This manual includes a list of many manufacturers’ 4-digit codes for your devices. (If your brand is not listed, see “Searching for a Code” on Page 48.) After you enter the codes for your original remotes, the 6-in-One Smart A/V Remote is ready to operate the original remotes’ most used functions.

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A LOOK AT YOUR REMOTE

Your RadioShack 6-in-One Smart A/V Remote Control was designed with the functions used most often to operate your TV, VCR, cable converter, CD or DVD player, satellite receiver, and audio equipment.

Key	Function
P	Used in setting up your devices.
	Used to activate light mode.
POWER, MENU, GUIDE, SELECT, MUTE, LAST, VOL +, VOL-, DISPLAY, CH +, CH -, digit keys, TV/VIDEO, ENTER	Operate the same as the corresponding keys on your original remote control.
AUX 1, AUX 2, VCR, TV, CD, CBL/SAT	Used when you set up the remote control to replace your original remote controls. Also used during normal operation to let you select the device you want to control.
All Lights On (POWER), PLUG 'N POWER, All Off (MUTE), Brt (VOL+), Dim (VOL-), On (CH+), Off (CH-)	Allows you to control lamps and appliances with your 6-in-One A/V Remote Control. To get the full benefit from this feature, you must purchase additional equipment, available at your local RadioShack store.
SLEEP	Controls the Sleep Timer in TV, CABLE, SAT, and AUX 1 or AUX 2 modes for devices that have this feature. If your device does not have a sleep timer, SLEEP activates the remote's built-in sleep timer.

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Key	Function
REW, PLAY, FFWD, REC, STOP, PAUSE	Control VCR functions and are used to select options and navigate in your TV or cable converter.
1s, 2s, 3s, 4s	Smart keys used for learning from your original remote control.
FAV/SCAN	Can be programmed to scan through your 10 favorite channels or left unprogrammed to scan all channels.
PIP, SWAP, MOVE	Picture-in-Picture keys operate the same as corresponding keys on your original remote control.
SURR, CENTER, ▲, ▼, ◀ and ▶	Control your Surround Sound system and other similar devices.

Notes:

- Whenever you use **REC** on the remote control, you must press it twice. This safety feature helps you avoid accidentally recording over tapes.
- If you use the 6-in-One to replace extremely complex remote controls, the 6-in-One might not be able to duplicate some of the original remote control's functions, but you can program one of the Smart Keys to operate those functions. See "Using the Smart Keys" on Page 12.

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PREPARATION

INSTALLING BATTERIES

Your RadioShack 6-in-One Smart A/V Remote Control requires four AAA batteries (not supplied), available at your local RadioShack store.

Cautions:

- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.

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.

If you installed the batteries correctly and the red indicator does not light when you press **POWER**, replace the batteries.

Note: You do not need to reprogram your remote control after removing the batteries, because no stored information is lost during battery replacement.

Cautions:

- Dispose of old batteries promptly and properly. Do not burn or bury them.
- Always remove old or weak batteries. Batteries can leak chemicals that can destroy electronic parts.

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DEVICE TYPES

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

- **TV** — TVs
- **VCR** — VCRs and TV/VCR combinations, digital video disc players, laser disc players, cassette decks, digital audio tape players
- **CBL/SAT** — cable converters, satellite systems, video accessories
- **CD** — CD players
- **AUX 1** or **AUX 2** — miscellaneous audio devices (such as graphic equalizers and digital audio service terminals)
- **PLUG 'N POWER** — home automation

Note: To enjoy the full benefit of the Plug 'n Power feature, you must purchase additional equipment, available at your local RadioShack store.

SETTING UP YOUR REMOTE CONTROL

1. Refer to "Manufacturer Codes" on Page 17 and write down the codes for your devices on the 6-in-One's label.

Note: Some manufacturers have several codes listed. Try each until you find the right one. See "Searching for a Code" on Page 48 if you cannot find the correct code.

2. Turn on your TV.
3. Press the device key for the type of remote you are replacing (**TV**, **VCR**, **CBL/SAT**, **CD**, **AUX 1** or

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AUX 2, or PLUG 'N POWER), then hold down **P** until the red light blinks twice.

4. Enter the 4-digit code.

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

When the red light blinks twice, the remote control has accepted the code.

Note: If you enter an invalid code, the red light makes one long blink.

5. Point the 6-in-One at your device and press **POWER**. Your TV should turn off.

If the remote does not operate your device, try the other codes you wrote down in Step 1.

To Operate Your TV/VCR Combination

1. Refer to "TV/VCR Combinations" on Page 37 and write down the codes for your TV/VCR combination on the supplied label.

Notes:

- Some manufacturers have several codes listed. Try each until you find the right one. See "Searching for a Code" on Page 48 if you cannot find the correct code.
- Some TV/VCR combinations require a second code to control volume. If you cannot control volume, use one of the codes listed for your brand in "TV/VCR Combinations."

2. Turn on your TV/VCR combination and insert a tape.

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3. Press **VCR** then hold down **P** until the red light blinks twice.

4. Enter the 4-digit code.

For example, to replace a Panasonic TV/VCR combination's remote control (set-up code 1162), press **VCR**, hold down **P** until the red light blinks twice, then press **1 1 6 2**.

When the red light blinks twice, the remote control has accepted the code.

Note: If the code you entered is invalid, the red light makes one long blink.

5. Point the 6-in-One at your TV/VCR combination and press **POWER** or **PLAY**. Your TV/VCR combination should turn off or start to play.

If the remote does not operate your TV/VCR combination, try the other codes you wrote down in Step 1.

Note: Some TV/VCR combinations require a second code to control volume. If you cannot control the volume, use the TV code listed in "TV/VCR Combinations" on Page 37.

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OPERATION

1. Press the device key for the device you want to control.
2. Point the remote control toward the device you want to control, then press the desired command keys.
3. Repeat Steps 1 and 2 for all other devices you want to operate.

Note: The command keys on the remote control work the same as the keys on the original remote control; however, the labeling might differ slightly.

4. To turn off the last device you selected, press **POWER**. To turn off other devices, press the device key for the device you want to turn off, then press **POWER**.

USING THE LIGHT

The backlight lets you see the keys on your 6-in-One in the dark. Press  to turn on the light. The keypad lights for about 5 seconds. Then, every time you press a key, the 6-in-One lights up and stays lit for about 5 seconds. To turn off the light, press  again.

CONVERTING DEVICE KEYS

You can use your 6-in-One Remote to operate a second TV or VCR (or other components) for a total of up to six devices. To do this, you must first convert an unused device key (**AUX1**, **AUX2**, **VCR**, **TV**, **CD**, **CBL/SAT**) to operate each additional device. For example, to convert **AUX1** to operate a second **TV**:

1. Hold down **P** until the red light blinks twice.

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2. Press **992**. The red light blinks twice.
 3. Press **TV**.
 4. Press **AUX1**. The red light blinks twice.
 5. Program the converted device key (**AUX1**) with the code for the second TV. (See "Setting Up Your Remote Control" on Page 7.)

Repeat these steps for each key you want to convert. To convert a key back to its original function, repeat Steps 1–2, then press **AUX1** twice.

USING PUNCH-THROUGH

Punch-Through lets you alternately control two different devices without pressing the device keys for each one.

For example, a TV is often the only device that uses the volume keys. With the 6-in-One programmed to punch-through to the TV, you can control the TV's volume while the 6-in-One is in any device mode.

1. Hold down **P** until the red light blinks twice.
2. Press **993**.
3. Press **TV**. When you press **VCR** (or another device key) and use your volume keys, the 6-in-One controls the volume through the TV instead of the VCR (or the other device).

Turning Punch-Through Off

1. Hold down **P** until the red light blinks twice.
2. Press **993**.

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3. Press **VOL +**. The 6-in-One controls the volume through the currently selected device. (For example, when you press **VCR**, the 6-in-One controls the volume through the VCR; when you press **CBL**, the 6-in-One controls the volume through the cable converter.)

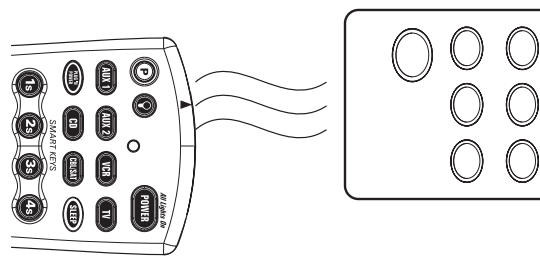
Note: The 6-in-One A/V cannot control volume through a device which does not have a volume control.

USING THE SMART KEYS

Your RadioShack 6-in-One Smart A/V Remote can learn up to 24 features from your original remote control using Smart Technology. Your remote is equipped with four Smart Keys (**1s**, **2s**, **3s**, and **4s**) that you can program to perform special functions from your original remotes.

For example, if your original remote has a button labeled **CLOCK**, the 6-in-One does not come with this feature preprogrammed. Follow these steps to program one of the Smart Keys to perform the function of the **CLOCK** button:

1. Place your original remote control nose-to-nose with the RadioShack Smart Light-Up Remote Control as in the diagram below.



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2. Hold down **P** until the red light blinks twice, then press **9 7 5**. The red light blinks twice again.
 3. Press a device key (**TV**, **VCR**, **CBL**, **CD**, **AUX 1**, or **AUX 2**) to select where the function will reside.

Note: You can use each Smart Key for one feature in each of the four modes. For example, **1s** can be programmed for **CLOCK** in TV mode and **TRACKING** in VCR mode.

4. Press one of the four Smart Keys (**1s**, **2s**, **3s**, or **4s**). The red light blinks rapidly.
5. Hold down the key on your original remote that you want the 6-in-One to learn until the red light blinks twice.
6. Hold down **P** until the red light blinks twice.
7. Press the Smart Key you pressed in Step 4. The 6-in-One performs the function it learned from your original remote control.
8. Repeat Steps 1–7 to program more functions onto the Smart Keys.

Clearing Smart Keys

You can clear a function that you previously programmed to a Smart Key to make room for a new function. Follow these steps to clear a Smart Key:

1. Hold down **P** until the red light blinks twice.
2. Press **9 7 6**. The red light blinks twice.
3. Press the Smart Key you want to clear twice. The red light blinks twice and the key is cleared.

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USING FAVORITE CHANNEL SCAN

You can program your 6-in-One Remote to scan through 10 of your favorite channels in either TV, VCR, or Cable modes.

Note: You can only maintain a favorite channel list for one device at a time. You cannot set up a favorite channel list for another device until you clear the existing list.

1. Press the device key for the device you want to scan (**TV**, **VCR**, or **CBL**). The red light blinks.
2. Hold down **P** until the red light blinks twice, then press **9 9 6**.
3. Enter the first channel number you want to include in your favorite channel list, then press **P**.

Notes:

- Precede a single-digit number with a **0**. For example, **0 1**, **0 2**, and so on.
 - If you enter a three-digit number, you do not need to press **P** after entering the number.
 - If you use an **ENTER** key to directly access channels on your original remote, press **ENTER** after you enter the last digit of a channel.
4. Repeat Step 3 for up to 9 other channels you want to include in your list, then hold down **P** until the red light blinks twice.
 5. To scan through your favorite channel list, press the appropriate device key, point the remote at your device, then press **SCAN**. The remote control repeatedly scans through the favorite chan-

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nel list, stopping on each channel for about 3 seconds.

6. Press any key when you see a channel you want to watch. Scanning stops.

Note: If you do not program a favorite channel list, **SCAN** acts as a “channel surf” key. Each time you press **SCAN**, the 6-in-One repeatedly performs cycles through the channels, stopping on each for about 3 seconds.

Clearing Favorite Channel Scan

To change your favorite channel list, you must first clear the existing list. Hold down **P** until the red light blinks twice. Press **9 9 6**, then hold down **P** until the red light blinks twice. The list is cleared.

USING THE SLEEP FUNCTION

To use the sleep timer built into your TV, cable converter, satellite system, or audio device, press **SLEEP**. Most sleep timers advance in increments of 10 or 15 minutes. For specific instructions on setting your device’s sleep timer, refer to the device’s owner’s manual.

If your TV, cable or satellite system does not have a sleep timer, the 6-in-One has a built-in sleep timer that can perform the function.

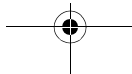
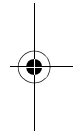
1. Press the appropriate device key.
2. Press **SLEEP** to set the 6-in-One’s sleep timer for 15 minutes. The red light blinks once.
3. Each additional press of **SLEEP** adds 15 minutes to the sleep timer, up to 60 minutes. The red light blinks twice when the sleep timer is set

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for 30 minutes, 3 times for 45 minutes, or 4 times for 60 minutes.

Note: The 6-in-One's sleep timer starts 10 seconds after the last time you press **SLEEP**. Once you activate the sleep timer, you must keep the remote control aimed directly at the component for this feature to operate.



MANUFACTURER CODES

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

- Amplifier (see below)
- Cable Converter (see page 18)
- CD Player (see page 21)
- DVD Player (see page 24)
- Home Automation (see page 25)
- Laser Disc Player (see page 25)
- Miscellaneous Audio (see page 26)
- Satellite Receiver (see page 26)
- Television (see page 27)
- Tuner/Receiver (see page 34)
- TV/VCR Combination (see page 37)
- VCR (see page 39)
- Video Accessory (see page 46)

Notes:

- The remote control might not have every command from your original remote controls.
- Use the 6-in-One's 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 might have a slightly different function.

Manufacturer	Code(s)	RadioShack Cat. No.
Amplifiers		
Aiwa	0406	
Carver	0269	
Curtis Mathes	0300	
Denon	0160	
Harman/Kardon	0892	
JVC	0331	

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Manufacturer	Code(s)	RadioShack Cat. No.
Linn	0269	
Magnavox	0269	
Marantz	0269	
Optimus	0013	31-3042
	0300	31-3042
	0395	31-2105, 31-2107, 31-2120, 31-3018, 31-3019, 31-3021
Panasonic	0308	
Philips	0269	
Pioneer	0013, 0300	
Realistic	0395, 0231	
Technics	0308	
Victor	0331	
Wards	0013	
Yamaha	0354	
Cable Converters		
ABC	0003, 0008, 0014, 0017, 0007, 0011, 0013	
Allegro	0153, 0315	
Antronix	0022, 0207	
Archer	0153	16-1283
	0022	15-1285
	0207	16-1283
	0797	15-1288
Bell & Howell	0014	
Cabletenna	0022	
Cableview	0022	
Century	0153	
Citizen	0153, 0315	

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Manufacturer	Code(s)	RadioShack Cat. No.
Colour Voice	0025	
Comtronics	0040	
Contec	0019	
Eastern	0002	
Emerson	0797	
Everquest	0015, 0040	
Focus	0400	
GC Electronics	0207	
Garrard	0153	
Gemini	0015	
General Instrument	0476, 0276, 0011, 0810	
GoldStar	0144, 0040	
Goodmind	0797	
Hamlin	0020, 0259, 0009, 0034	
Hitachi	0011	
Hytex	0007	
Jasco	0015, 0153, 0315	
Jerrold	0003, 0012, 0476, 0276, 0014, 0015, 0011, 0810	
Memorex	0000	
Movie Time	0063	
NSC	0063	
Oak	0019, 0007	
Optimus	0021	
Panasonic	0000, 0107, 0021	
Paragon	0000	
Philips	0153, 0025	

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Manufacturer	Code(s)	RadioShack Cat. No.
Pioneer	0144, 0533	
Popular Mechanics	0400	
Pulsar	0000	
Quasar	0000	
RCA	0021	
RadioShack	0015, 0315, 0883	
	0797	15-1288
Realistic	0207	16-1283, 15- 1285A
Recoton	0400	
Regal	0020, 0259	
Regency	0002	
Rembrandt	0011	
Runco	0000	
SL Marx	0040	
Samsung	0144, 0040	
Scientific Atlanta	0008, 0477, 0017	
Signal	0015, 0040	
Signature	0011	
Sprucer	0021	
Starcom	0003, 0015	
Stargate	0015, 0040, 0797	
Starquest	0015	
TV86	0063	
Tandy	0258	
Teleview	0040	
Tocom	0012, 0013	
Toshiba	0000	

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Manufacturer	Code(s)	RadioShack Cat. No.
Tusa	0015	
Unika	0153, 0022, 0207	
United Artists	0007	
Universal	0153, 0022, 0191, 0207	
Viewstar	0063, 0258	
Zenith	0000, 0525	
Zentek	0400	
CD Players		
ADC	0018	
Adcom	0155	
Aiwa	0157, 0124	
Audio Alchemy	0194	
Audio- Technica	0170	
BSR	0194	
Burmester	0420	
California Audio Lab	0029	
Carrera	0194	
Carver	0157, 0179, 0437	
DKK	0000	
Denon	0003, 0873	
Emerson	0305, 0155, 0164, 0469	
Fisher	0179, 0174, 0342	
GE	0009	
Garrard	0420, 0393, 0280	
Genexxa	0032, 0305, 0164	

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Manufacturer	Code(s)	RadioShack Cat. No.
Goodmans	0363	
Harman/ Kardon	0173, 0426	
Hitachi	0032, 0155	
JVC	0072	
Kenwood	0028, 0037, 0190, 0826, 0681	
Krell	0157	
Kyocera	0018	
LXI	0305	
Linn	0157	
MCS	0029	
MTC	0420	
Magnavox	0157, 0305	
Marantz	0029, 0157, 0180	
Mission	0157	
NSM	0157	
Nikko	0164, 0170, 0174	
Onkyo	0101, 0868	
Optimus	0000, 0087, 0280, 0671	
	0032	42-5041, 42-5044,
	0179	13-1248, 14-545, 42-5015, 42-5049
	0305	42-5048, 42-5061
	0037	13-1251
	0420	31-3041, 42-5022, 42-5025, 42-5071
	0145	13-1258
	0468	42-5045, 42-5060, 42-5062, 42-5063, 42-5064

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Manufacturer	Code(s)	RadioShack Cat. No.
Optimus (continued)	0175	42-5013
	0194	42-5016
	0196	42-5019, 42-5032
	0342	42-5037
	0426	42-5031, 42-5036, 42-5038
	0437	42-5023, 42-5024
	0536	13-1261, 13-1263
	0775	42-5059
Panasonic	0029, 0367	
Parasound	0420, 0194	
Philips	0157	
Pioneer	0032, 0305, 0468, 0244	
Proton	0157	
QED	0157	
Quasar	0029	
RadioShack	0145	13-1259
RCA	0179, 0305, 0053, 0009, 0155	
Realistic	0179	42-5014
	0420	42-5022
	0155	42-5004, 42-5007
	0175	42-5010
	0180	42-5020
	0164, 0452, 0453	
Rotel	0157, 0420	
SAE	0157	
STS	0018	
Sansui	0157, 0305	
Sanyo	0179, 0087	

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Manufacturer	Code(s)	RadioShack Cat. No.
Scott	0305, 0155, 0164	
Sears	0305	
Sharp	0037, 0180	
Sherwood	0114, 0180, 0196, 0426	
Sony	0000, 0185, 0490, 0604, 0605	
Staron	0398	
Tascam	0420	
Teac	0420, 0393, 0174, 0180	
Technics	0029	
Vector Research	0194	
Victor	0072	
Wards	0157, 0053	
Yamaha	0036, 0170, 0187	
Yorx	0461	
DVD Players		
JVC	0558	
Kenwood	0534	
Magnavox	0503	
Mitsubishi	0521	
Onkyo	503	
Panasonic	0490	
Philips	0503, 0539	
Pioneer	0525, 0571	
Proscan	0522	
RCA	0522	
Samsung	0573	

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Manufacturer	Code(s)	RadioShack Cat. No.
Sony	0533	
Technics	0490	
Toshiba	0503	
Yamaha	0490, 0545	
Zenith	0503	
Home Automation		
GE	0240	
One For All	0167	
RadioShack	0240	
Security System	0167	
Universal X10	0167	
X10	0167	
Laser Disc Players		
Aiwa	0203	
Denon	0059	
Funai	0203	
JVC	0558	
Kenwood	0534	
Magnavox	0503	
Mitsubishi	0059, 0521	
NAD	0059	
Onkyo	0503	
Optimus	0525	31-3040
Panasonic	0490	
Philips	0503, 0539	
Pioneer	0059, 0525, 0571	
Proscan	0522	
RCA	0522	

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Manufacturer	Code(s)	RadioShack Cat. No.
Realistic	0203	16-302
Samsung	0573	
Sharp	0001	
Sony	0533, 0193, 0201	
Technics	0490	
Toshiba	0503	
Yamaha	0490, 0545	
Zenith	0503	
Miscellaneous Audio		
Aiwa	0010, 0159	
Jerrold	0459, 0520	
Scientific Atlanta	0460	
Sony	0010, 0159	
Starcom	0459	
Satellite Receivers		
AlphaStar	0772	
Chaparral	0216	
Echostar	0775, 0269	
Expressvu	0775	
General Instrument	0627, 0361, 0869	
HTS	0775	
Hitachi	0819	
Hughes Network Systems	0749	
JVC	0775	
Jerrold	0627, 0361	
Legend	0269	

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Manufacturer	Code(s)	RadioShack Cat. No.
Magnavox	0724, 0722	
Memorex	0724	
	0269	16-2511
Next Level	0869	
Optimus	0724	16-2575
Panasonic	0701	
Philips	0724, 0722	
Primestar	0627, 0361	
RCA	0566	16-2530, 16-2531, 16-2539
	0143, 0855	
Realistic	0052	16-2502, 16-2507
	0051	16-2501
Sony	0639	16-2545
Star Choice	0869	
Toshiba	0790	
Uniden	0722, 0052	
Zenith	0856	
Televisions		
A-Mark	0003	
AOC	0030, 0019, 0003, 0185	
Abex	0032	
Admiral	0093	
Adventura	0046	
Aiko	0092	
Akai	0030	
Alaron	0179	
Ambassador	0177	
Ampro	0751	

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Manufacturer	Code(s)	RadioShack Cat. No.
Anam	0180	
Anam National	0055	
Archer	0003	
Audiovox	0451, 0180, 0003, 0092, 0623	
Baysonic	0180	
Belcor	0019	
Bell & Howell	0154, 0016	
Bradford	0180	
Brockwood	0019	
Broksonic	0236, 0463, 0003	
CXC	0180	
Candle	0030, 0056, 0046	
Carnivale	0030	
Carver	0054	
Celebrity	0000	
Cineral	0451, 0092	
Citizen	0060, 0030, 0056, 0039, 0046, 0092, 0280	
Clairtone	0185	
Concerto	0056	
Contec	0180, 0185	
Craig	0180	
Crosley	0054	
Crown	0180, 0039	
Curtis Mathes	0047, 0054, 0154, 0051, 0451, 0093, 0060, 0030, 0145, 0056, 0016, 0039, 0166, 0466, 1147, 1347	

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Manufacturer	Code(s)	RadioShack Cat. No.
Daewoo	0451, 0019, 0039, 0092, 0623, 0624	
Daytron	0019	
Denon	0145	
Dumont	0017, 0019	
Dwin	0720, 0774	
Electroband	0000, 0185	
Emerson	0154, 0236, 0463, 0180, 0282, 0178, 0019, 0179, 0039, 0177, 0185, 0280, 0623, 0624	
Envision	0030	
Fisher	0154	
Fujitsu	0179	
Funai	0180	
	0179, 0171	
Futuretech	0180	
GE	0047, 0051, 0451, 0093, 0282, 0178, 0021, 0055, 0135, 1147, 1347	
Gibraltar	0017, 0030, 0019	
GoldStar	0030, 0019, 0056, 0032, 0178	
Gradiente	0053, 0056	
Grunpy	0180, 0179	
Hallmark	0178	
Harley Davidson	0179	
Harman/ Kardon	0054	
Harvard	0180	

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Manufacturer	Code(s)	RadioShack Cat. No.
Hitachi	0145, 0056, 0032, 0151	
Infinity	0054	
Inteq	0017	
JBL	0054	
JCB	0000	
JVC	0053	
Janeil	0046	
KEC	0180	
KTV	0180, 0030, 0039, 0185, 0280	
Kenwood	0030, 0019	
Kloss	0046	
LG	0056	
LXI	0047, 0054, 0154, 0156, 0178	
Logik	0016	
Luxman	0056	
MEI	0185	
MGA	0150, 0030, 0178, 0019	
MTC	0060, 0030, 0019, 0056, 0185	
Magnavox	0054, 0030, 0179, 0020, 0187	
Majestic	0016	
Marantz	0054, 0030	
Matsushita	0250	
Megatron	0178, 0145, 0003	
Memorex	0154, 0250, 0150, 0056, 0016, 0178	
Midland	0047, 0017, 0051, 0039, 0032, 0135	

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Manufacturer	Code(s)	RadioShack Cat. No.
Minutz	0021	
Mitsubishi	0093, 0150, 0178, 0019	
Motorola	0093, 0055	
Multitech	0180	
NAD	0156, 0178, 0166	
NEC	0030, 0019, 0056	
NTC	0092	
Nikko	0030, 0178, 0092	
Noshi	0018	
Onwa	0180	
Optimus	0154	13-1283
	0166	31-3031, 31-3033, 31-3038, 31-3040
	0250	
Optonica	0093, 0165	
Orion	0236, 0463, 0179	
Panasonic	0051, 0250, 0055	
Penney	0047, 0156, 0051, 0060, 0030, 0178, 0021, 0019, 0018, 0056, 0039, 0003, 0032, 0135, 1347	
Philco	0054, 0463, 0030, 0145, 0019, 0020	
Philips	0054	
Pilot	0030, 0019, 0039	
Pioneer	0166	
Portland	0019, 0039, 0092	
Prism	0051	
Proscan	0047	
Proton	0178, 0003, 0466	

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Manufacturer	Code(s)	RadioShack Cat. No.
Pulsar	0017, 0019	
Quasar	0051, 0250, 0165, 0055	
RCA	0047, 0051, 0093, 0019, 0018, 0090, 0135, 1047, 1147, 1247, 1347	
RadioShack	0047, 0154, 0019, 0039	
	0165	16-232, 16-233, 16-236, 16-250, 16-260
	0180	16-252, 16-253, 16-262, 16-292
	0030	16-254, 16-255, 16-256, 16-265
	0178	16-256, 16-263, 16-268, 16-280, 16-289
	0056	16-288
	0032	16-230, 16-232, 16-233, 16-236, 16-250, 16-260
Realistic	0154	16-229, 16-261, 16-299
	0165	16-235, 16-235A, 16-251
	0180, 0030, 0178, 0019, 0039, 0032	
	0056	16-288
Rhapsody	0185	
Runco	0017, 0030, 0603	
SSS	0180, 0019	
Sampo	0030, 0039, 0032	
Samsung	0060, 0030, 0178, 0019, 0056, 0032	
Samsux	0039	

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Manufacturer	Code(s)	RadioShack Cat. No.
Sansei	0451	
Sansui	0463	
Sanyo	0154	
Scimitsu	0019	
Scotch	0178	
Scott	0236, 0180, 0178, 0019, 0179	
Sears	0047, 0054, 0154, 0156, 0178, 0179, 0056, 0171	
Semivox	0180	
Semp	0156	
Sharp	0093, 0165, 0039	
Shogun	0019	
Signature	0016	
Simpson	0187	
Sony	0000	
Soundesign	0180, 0178, 0179	
Spectricon	0003	
Squareview	0171	
Starlite	0180	
Supre-Macy	0046	
Supreme	0000	
Sylvania	0054, 0030, 0020	
Symphonic	0171	
TMK	0178, 0056, 0177	
Tandy	0093, 0218	
Tatung	0055, 0003	
Technics	0051, 0250	
Technol Ace	0179	

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Manufacturer	Code(s)	RadioShack Cat. No.
Techwood	0051, 0056, 0003	
Teknika	0054, 0180, 0150, 0060, 0019, 0179, 0056, 0016, 0039, 0092	
Telefunken	0056	
Toshiba	0154, 0156, 0060	
Tosonic	0185	
Totevision	0039	
Vector Research	0030	
Victor	0053	
Vidikron	0054	
Vidtech	0178, 0019	
Viking	0046	
Wards	0054, 0165, 0030, 0178, 0021, 0019, 0179, 0056, 0016, 0020	
White Westinghouse	0623, 0624	
Yamaha	0030, 0019	
Zenith	0017, 0016, 0092	
Zonda	0003	
Tuners/Receivers		
ADC	0531	
Admiral	0182	
Aiwa	0158, 0189	
Akai	0115	
Capetronic	0531	
Carver	0189, 0042	
Casio	0195	

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Manufacturer	Code(s)	RadioShack Cat. No.
Clarinette	0195	13-1241
Curtis Mathes	0080	
Denon	0004	
Fisher	0042, 0219	
Garrard	0463, 0286, 0440, 0744	
Hanwah	0741	
Harman/Kar- don	0110, 0189	
JBL	0110	
JVC	0074	
Jensen	0754	
Kenwood	0027, 0186, 0042	
Koss	0744	
LXI	0181, 0744	
Linn	0189	
Lloyd's	0195	
MCS	0039	
Magnavox	0531, 0189, 0195, 0364, 0391	
Marantz	0039, 0189	
Memorex	0335, 1024	
Modulaire	0195	13-1241, 13-1242
NTDE Geniesom	0744	
Nakamichi	0097	
Onkyo	0135	
Optimus	0531	13-1291
	0670	13-1271
	0186	13-1251

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Manufacturer	Code(s)	RadioShack Cat. No.
Optimus (continued)	0042	13-1267
	0121	13-1273, 13-1274
	0177	31-3017, 31-3020
	0181	13-1243, 13-1249, 13-1250
	0219	13-1281, 13-1283
	0229	13-1294
	0286	13-1279
	0440	13-1247
	0622	13-1272
	0738	13-1289, 13-1290
	0744	13-1286, 14-547
	0754	13-1277, 13-1278
	0801	13-1284, 13-1293
	1023	31-3014, 31-3023, 31-3028, 31-3030, 31-3031, 31-3032, 31-3033, 31-3034, 31-3035, 31-3036, 31-3037, 31-3038, 31-3039, 31-3040, 31-3041, 31-3042
Orient Power	0744	
Panasonic	0039, 0309	
Penney	0195	
Philips	0189, 0391	
Pioneer	0531, 0014, 0150, 0080	
	1023	31-3014, 31-3023, 31-3034, 31-3035, 31-3036, 31-3037
Quasar	0039	
RCA	0531	
RadioShack	0744	

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Manufacturer	Code(s)	RadioShack Cat. No.
Realistic	0195, 0001, 0025, 0178, 0534, 0163	
	0181	13-1233, 13-1234, 13-1235, 13-1244
	0182	13-1236, 13-1238, 13-1246
Sansui	0189	
Sanyo	0219, 0801	
Schneider	0364	
Scott	0163	
Sharp	0186	
Sony	0158	
	0415	14-544
Soundesign	0670	
Symphonic	0182	
Teac	0463, 0163	
Technics	0039, 0309	
Techwood	0364	
Victor	0074	
Wards	0158, 0014, 0189, 0080	
Yamaha	0176, 0186	
Yorx	0195	
Zenith	0622, 0744, 0857	
TV/VCR Combinations		
Brocksonic	0002, 0479 (TV: 0463)	
Citizen	0278	
Colt	0072	
Curtis Mathes	0035 (TV: 0051)	
Daewoo	0278 (TV: 0624)	

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Manufacturer	Code(s)	RadioShack Cat. No.
Emerson	0002, 0278 (TV: 0624), 0479 (TV: 0463)	
Funai	0000	
GE	0240, 0035 (TV: 0051), 0048 (TV: 0093), 0060 (TV: 0047)	
Goldstar	0037 (TV: 0056)	
Harley Davidson	0000	
Hitachi	0000	
Lloyds	0000	
Magnasonic	0278	
Magnavox	0000, 0081 (TV: 0054)	
Magnin	0240	
Memorex	0037, 1162	
	1037	16-412
MGA	0240	
Mitsubishi	0048 (TV: 0093)	
Optimus	1162	16-421, 16-422, 16-426, 16-427, 16-548, 16-631
	1262	16-421, 16-422, 16-424, 16-425, 16-426, 16-427
	1048	16-546
	1062	16-632, 16-549, 16-650, 16-633, 16-636, 16-634, 16-636, 16-640, 16-641, 16-642
Orion	0002, 0479 (TV: 0463)	
Panasonic	1162, 1262	
	0035 (TV: 0051)	

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Manufacturer	Code(s)	RadioShack Cat. No.
RadioShack	0037	16-415
	1037	16-417
RCA	0240, 0035 (TV: 0051), 0060 (TV: 0047), 0048 (TV: 0093)	
Sansui	0000, 0240, 0479 (TV: 0463)	
Sanyo	0240	
Sears	0000, 0037 (TV: 0056)	
Sharp	0048 (TV: 0093)	
Sony	0000, 0032 (TV: 0000)	
Sylvania	0081 (TV: 0054)	
Symphonic	0000	
Thomas	0000	
White Westinghouse	0278 (TV: 0624)	
Zenith	0000, 0479	
VCRs		
Admiral	0048	
Adventura	0000	
Aiko	0278	
Aiwa	0037, 0000, 0307	
Akai	0041, 0061, 0106	
American High	0035	
Asha	0240	
Audiovox	0037	
Beaumarck	0240	
Bell & Howell	0104	
Broksonic	0184, 0121, 0209, 0002, 0295, 0479	
CCE	0072, 0278	

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Manufacturer	Code(s)	RadioShack Cat. No.
Calix	0037	
Canon	0035	
Capehart	0020	
Carver	0081	
Cineral	0278	
Citizen	0037, 0278	
Colt	0072	
Craig	0037, 0047, 0240, 0072, 0271	
Curtis Mathes	0060, 0035, 0041, 0162	
Cybernex	0240	
Daewoo	0045, 0278, 0020, 0561	
Daytron	0020	
Denon	0042	
Dynatech	0000	
Electrohome	0037	
Electrophonic	0037	
Emerex	0032	
Emerson	0037, 0184, 0000, 0121, 0043, 0209, 0002, 0278, 0036, 0061, 0068, 0208, 0212, 0295, 0479, 0561	
Fisher	0047, 0104, 0054, 0066	
Fuji	0035, 0033	
Funai	0000	
GE	0060, 0035, 0048, 0240, 0202	
Garrard	0000	

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Manufacturer	Code(s)	RadioShack Cat. No.
Go Video	0432, 0526	
GoldStar	0037, 0038, 0480	
Gradiente	0000, 0008	
HI-Q	0047	
Harley Davidson	0000	
Harman/ Kardon	0081, 0038	
Harwood	0072, 0068	
Headquarter	0046	
Hitachi	0000, 0042, 0041, 0105	
JVC	0067, 0041, 0008	
Jensen	0041	
KEC	0037, 0278	
KLH	0072	
Kenwood	0067, 0041, 0038	
Kodak	0035, 0037	
LXI	0037	
Lloyd's	0000, 0208	
Logik	0072	
MEI	0035	
MGA	0240, 0043, 0061	
MGN Technology	0240	
MTC	0240, 0000	
Magnasonic	0278	
Magnavox	0035, 0039, 0081, 0000, 0149, 0110	
Magnin	0240	

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Manufacturer	Code(s)	RadioShack Cat. No.
Marantz	0035, 0081	
Marta	0037	
Matsushita	0035, 0162, 0454	
Memorex	0035, 0039, 0162, 0268, 0299, 0307, 0047	
	0037	16-524, 16-706
	0000	16-406, 16-410, 16-411, 16-517
	0048	16-531, 16-618, 16-622
	0046	16-529, 16-530
	0104	16-412, 16-523, 16-525, 16-526, 16-529, 16-530, 16-619, 16-620, 16-621, 16-623
	0240	16-533, 16-655
Minolta	0042, 0105	
Mitsubishi	0048, 0067, 0043, 0061	
Motorola	0035, 0048	
Multitech	0000, 0072	
NAD	0058	
NEC	0104, 0067, 0041, 0038, 0040	
Nikko	0037	
Nikon	0034, 0253	
Noblex	0240	
Olympus	0035	
Optimus	0037	16-413, 16-419, 16-423, 16-534, 16-535, 16-624

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Manufacturer	Code(s)	RadioShack Cat. No.
Optimus (continued)	0048	16-538, 16-539, 16-540, 16-542, 16-543, 16-544, 16-546, 16-627, 16-628
	0104	16-536, 16-537, 16-617, 16-625, 13-1283
	0162	16-547, 16-548, 16-630, 16-631, 16-635, 16-640, 16-641, 16-642
	0058	31-3023, 31-3031, 31-3032, 31-3033, 31-3037, 31-3038
	1048, 1062, 1162	
	0432	16-541
	0240	16-541
	0454	16-547, 16-548, 16-630, 16-631
	1262	16-426, 16-427
Optonica	0062	
Orion	0184, 0002, 0295, 0479	
Panasonic	0035, 0162, 0077, 0225, 0454, 1162	
Penney	0035, 0037, 0240, 0042, 0038, 0040, 0054	
Pentax	0042, 0105	
Philco	0035, 0209, 0479	
Philips	0035, 0081, 0062, 0110	
Pilot	0037	
Pioneer	0067, 0058	
Portland	0020	

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Manufacturer	Code(s)	RadioShack Cat. No.
Profitronic	0240	
Proscan	0060, 0202	
Protec	0072	
Pulsar	0039	
Quarter	0046	
Quartz	0046	
Quasar	0035, 0162, 0077, 0454, 1162	
RCA	0060, 0035, 0048, 0240, 0042, 0149, 0077, 0105, 0106, 0202	
RadioShack	0000	16-417
	1037	
Radix	0037	
Randex	0037	
Realistic	0035	16-472, 16-651, 16-705
	0037	16-408, 16-413, 16-414, 16-507
	0000	16-404, 16-505, 16-508, 16-510, 16-519, 16-522, 16-703, 16-704
	0047	16-506, 16-511, 16-512, 16-513, 16-515, 16-516, 16-518, 16-613, 16-614, 16-615, 16-652, 16-611, 16-612, 16-616, 16-653, 16-701, 16-702
	0104	16-520, 16-521, 16-563, 16-617
	0062	16-610, 16-700
	0046	16-600, 16-601

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Manufacturer	Code(s)	RadioShack Cat. No.
Realistic (continued)	0240	16-514
	0066	16-503
	0048	
Ricoh	0034, 0253	
Runco	0039	
STS	0042	
Samsung	0240, 0045	
Sanky	0048, 0039	
Sansui	0000, 0067, 0041, 0271, 0479	
Sanyo	0047, 0240, 0104, 0046, 0268	
Scott	0184, 0045, 0121, 0043, 0210, 0212	
Sears	0035, 0037, 0047, 0000, 0042, 0104, 0046, 0054, 0066, 0105	
Semp	0045	
Sharp	0048, 0062	
Shintom	0072	
Shogun	0240	
Singer	0072	
Sony	0035, 0032, 0000, 0033, 0034, 0253	
Sunpak	0253	
Sylvania	0035, 0081, 0000, 0043, 0110	
Symphonic	0000	
TMK	0240, 0036, 0208	
Tandy	0000, 0104	
Tatung	0041	

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Manufacturer	Code(s)	RadioShack Cat. No.
Teac	0000, 0041	
Technics	0035, 0162	
Teknika	0035, 0037, 0000	
Thomas	0000	
Toshiba	0045, 0043, 0066, 0210, 0212	
Totevision	0037, 0240	
Unitech	0240	
Vector	0045	
Vector Research	0038, 0040	
Video Concepts	0045, 0040, 0061	
Videosonic	0240	
Wards	0060, 0035, 0048, 0047, 0081, 0240, 0000, 0042, 0072, 0149, 0062, 0212	
White Westinghouse	0278	
XR-1000	0035, 0000, 0072	
Yamaha	0038	
Zenith	0039, 0000, 0033, 0034	
Video Accessories		
Archer	0160	
GC Electronics	0160	
Jebsee	0160	
RadioShack	0160	

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TROUBLESHOOTING

Problem	Solution
The 6-in-One does not operate your device.	Try all of the codes listed for your brand of device in the appropriate "Manufacturer Codes" section (see "Setting Up Your Remote Control" on Page 7). If this does not work, try searching for your code (see "Searching for a Code" on Page 48). Make sure the device you are setting up can be operated with an infrared remote.
The 6-in-One is not performing commands properly.	Try all of the codes listed for your brand of device in the appropriate "Manufacturer Codes" section (see "Setting Up Your Remote Control" on Page 7). Many set-up codes may allow some degree of operation. However, only one set-up code will work correctly with your device.
VCR not recording.	As a safety feature on the 6-in-One, you must press REC twice to begin recording.
CH +/- and LAST not working for your RCA TV.	Due to RCA design (1983–1987), only the original remote will operate these functions.
Problems changing channels.	If your original remote required an ENTER keystroke when changing channels, press ENTER on the 6-in-One after you enter the channel number.
The red light blinks when you press a key but you receive no response from your device.	Press the appropriate device key (CD, CBL/SAT, VCR, TV, AUX 1, AUX 2, PLUG 'N POWER) for the device you are trying to operate. Make sure you aim your 6-in-One at your device and that you are within 15 feet of the device before using your remote.

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Problem	Solution
You can turn your audio component on and off and control its volume, but you cannot change preset channels.	Some audio components might need both a Tuner/Receiver code and an Amplifier code to control all features.
Your satellite receiver does not respond to the codes listed in the manual.	The codes listed in this manual are set up to operate your satellite receiver on the 1st or 2nd addresses only. Make sure the satellite receiver you are setting up can be operated with an infrared remote.
The 6-in-One does not operate Bang & Olufsen audio equipment.	Some Bang & Olufsen and other manufacturers' equipment operate at frequencies higher than 100 kHz. The 6-in-One will not operate such devices.

SEARCHING FOR A CODE

If you have tried all the codes from the list and your device still will not respond to the 6-in-One (or if your brand is not listed), try searching for your code.

Follow these steps, using the appropriate device key in Step 1, for each device you need to find. For example, to find the code for your TV:

1. Turn on your TV, then press **TV**.
2. Hold down **P** until the red light blinks twice, then press **9 9 1**. The red light blinks twice again.
3. Aim the remote control at the TV.
4. Repeatedly press **PWR** then **TV** until the TV turns off.

Need help? Call 1-888-284-8735

Note: If you are searching for a VCR, CD player, laser disc player, or DVD player code, insert a tape or disc and press **PLAY** instead of **POWER**.

5. Press **P** within 10 seconds to save the code.

Notes:

- If you do not press **P** within 10 seconds, the remote control does not save the code. You must start again from Step 1.
- Because the 6-in-One's library has so many codes, this procedure can take several minutes.
- If your device turns off during the search, but does not operate after you lock in the code, begin the search again, pausing longer between key presses.

Determining the 4-Digit Code

After you have set up your devices using the Code Search feature, you might need to find out which code is operating one of them. For example, to find out what 4-digit code is operating your TV:

1. Turn on the TV and press **TV**.
2. Hold down **P** until the red light blinks twice.
3. Press **9 9 0**. The red light blinks twice again.
4. Press **1**, then count the number of times the red light blinks and write it down. This is the first digit of the 4-digit code.

Note: If the red light does not blink, the digit is **0**.

5. Repeat Step 4, pressing **2**, **3**, and **4**, to see each additional digit.

Need help? Call 1-888-284-8735

CARE AND MAINTENANCE

To enjoy your RadioShack 6-in-One Smart A/V Remote Control for a long time:

- Keep the 6-in-One dry. If it gets wet, wipe it dry immediately.
- Use and store the 6-in-One only in normal temperature environments.
- Handle the 6-in-One gently and carefully. Don't drop it.
- Keep the 6-in-One away from dust and dirt.
- Wipe the 6-in-One with a damp cloth occasionally to keep it looking new.

Modifying or tampering with the 6-in-One's internal components can cause a malfunction and invalidate its warranty. If your 6-in-One is not performing as it should, take it to your local RadioShack store for assistance.

Need help? Call 1-888-284-8735

SPECIFICATIONS

Power 4 AAA Batteries

IR Control Range 26 ft \pm 30°

Dimensions (HWD) $9\frac{3}{8} \times 2\frac{1}{2} \times 1\frac{5}{8}$ Inches
(234 \times 64 \times 34 mm)

Weight (Without Batteries) 6 oz. (170 gm)

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

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Limited Ninety-Day Warranty

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