RadioShack®

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7-in-One IR/RF
Remote Control

Owner's Manual

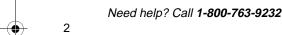Please read before using this equipment.

INTRODUCTION

Your RadioShack 7-in-One IR/RF Remote Control can replace up to seven infrared remote controls. You can use it to control your TV, VCR, cable converter, satellite receiver, CD player, tuner, phonograph, video accessory, digital audio tape, cassette, laser disc player, or DVD player.

Unlike some universal remote controls, this remote control is preprogrammed with the most commonly used commands and does not have to learn its commands from the original remote controls. All you have to do is tell it which device's remote controls you want to replace (by entering 4-digit codes).

This manual includes a list of many manufacturers' 4-digit codes for your devices. After you enter the codes for your original remotes, the 7-in-One IR/RF Remote is ready to operate the original remotes' most used functions.

The 7-in-One transmits both infrared (IR) and radio frequency (RF) signals, so you don't need to be within "line-of-sight" to control devices. With the supplied IR/RF Command Center, you can use the remote to control devices in any room of your home.

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PREPARATION

INSTALLING BATTERIES

Your RadioShack 7-in-One 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.

To install the 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.

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

Note: Removing the batteries will not require you to reprogram your remote control because the 7-in-One IR/RF Remote Control has unlimited memory backup.

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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Notes:

- After you install batteries, the remote performs a test of the display for 10 seconds or until you press a key.

- To extend battery life, the display turns off after 10 seconds of keypad inactivity and turns on again when you press any key.

- Device codes you have programmed into the 7-in-One remain stored in memory while you replace the batteries. However, you must reset the clock.

SETTING THE CLOCK

Follow these steps to set the clock on the 7-in-One's display.

1. Hold down **P** until `TIMED SEQ` appears.

2. Press ▼ twice. `CONFIGURE` appears.

3. Press **SELECT**. `THEATR SEL` appears.

4. Press ▼ again. `TIME SETUP` appears.

5. Press **SELECT**. `TIME` appears and the first digit in the time flashes. Enter the time in 12-hour format. `AM/PM` flashes.

6. If necessary, press ▼ to toggle between AM and PM, then press **SELECT**. The day of the week display appears.

7. Use ▲ and ▼ to toggle through the days of the week until the current day appears, then press **SELECT**. The currently selected device and the correct time appear.

QUICK SETUP

The steps in this section tell you how to quickly set up the 7-in-One to operate all of your devices.

To set up devices individually, or add a device after you have set up the 7-in-One, see the appropriate section under "Setting Up the 7-in-One" on Page 14.

Note: For the best operation, you should be within 15 feet of the device you want to control.

Follow these steps for quick setup:

1. Turn on all of the devices you are setting up.

2. Press **TV**.

3. Hold down **P** until `TIMED SEQ` appears.

4. Press ▼. `CODE SETUP` appears.

5. Press **SELECT**. `DEV SET UP` appears.

6. Press **SELECT** again. `TV` appears.

7. Enter the fist four-digit TV code listed for your TV's brand in "Televisions" on Page 52 then press **SELECT**.

   Note: If the 4-digit code begins with zero, only the last 3-digits will appear on the display.

8. Point the remote at your TV and press **POWER**. Your TV should turn off. If it does not, enter the next code from the list and press **SELECT** then **POWER** again. When your TV turns off, press **VCR**. `VCR` appears.

9. Enter the first four-digit VCR code listed for your VCR's brand in "VCRs" on Page 65 or "TV/VCR Combinations" on Page 64 then press **SELECT**.

10. Point the remote at your VCR and press **POWER**. Your VCR should turn off. If it does not, enter the next code from the list and press **SELECT** then **POWER** again. When your VCR turns off, press **CBL**. **CABLE** appears.

11. Continue setting up devices by pressing the appropriate device key, entering your device's code and pressing **SELECT**. Refer to the code list for the type of device you want to set up:

Setup Codes for	Page
Amplifiers	39
Cable Converters	40
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12. Once the 7-in-One is operating all of your devices, press **ESCAPE** to stop programming.

A LOOK AT YOUR REMOTE

AMP, **TUNER**, **TV**, **CBL**, **CD**, **VCR**, **SAT** — lets you select the device you want to control.

PLUG 'N POWER — allows you to control lamps and appliances with your 7-in-One IR/RF Remote Control. This feature requires additional equipment that is available at your local RadioShack store.

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HOME THEATER — lets you operate all of the most commonly used home theater functions in one mode.

POWER — turns the remote on and off, and controls **All Lights On** in the PLUG 'N POW-ER mode.

MENU — works like the Menu or OSD (on-screen display) key on your original remote. Use ▲, ▼, ▶, and ◀ (Menu Up, Down, Right, and Left) to navigate your on-screen menus. If your original remote had a Select key to select menu options, use **SELECT** in its place. Use **CLEAR** (**SHIFT + SELECT**) to exit/clear menus. See your device's original owner's manual for more detailed instructions on using menus.

Notes:

- ▲, ▼, ▶, and ◀ also control the Rear Level +/− and Balance Right/Left functions in AMP or TUN mode, and Disc +/− and Track +/− in CD mode.

- **SELECT** also controls Tape Mon in AMP or TUN mode, Disc Select in CD mode, and the Fetch function in the on-screen menu of an RCA satellite system.

PROGRAM (**SHIFT + MENU**) — operates your satellite system's and cable converter's Guide function, as well as any device's secondary menus.

SURROUND — operates the surround mode. It also operates the favorite channel function in SAT and CBL modes, 10+ (to access tracks numbered higher that 10) in CD mode, and the DISC function of a laser disc player.

SHIFT — besides those functions described elsewhere in this manual, works with these keys to control advanced features:

Mode	Key	Function
VCR	PLAY	SLOW
	REW	REW SLOW (SLOW –)
	FFWD	FFWD SLOW (SLOW +)
	STOP	EJECT
	PAUSE	X2
Satellite Receiver	▲	AUDIO +
	▼	AUDIO –
Receiver/ Tuner/Ampli-fier	▲	CENTER LEVEL +
	▼	CENTER LEVEL –
	▶	DELAY +
	◀	DELAY –
Laser Disc/ Cassette/ DVD	PLAY	REVERSE PLAY
	REW	REW SLOW
	FFWD	FFWD SLOW
	STOP	EJECT
	PAUSE	X2
CD	STOP	EJECT

ESCAPE — lets you exit the remote's displayed menu.

CENTER and **REAR** (**SHIFT** + **CENTER**) — work like the Add and Delete keys on your original TV remote, the DISC A and B keys on your laser disc remote, or the SAT and AUDIO keys of a satellite system remote.

VOL + (Volume Up), **VOL –** (Volume Down) and **MUTE** — control the volume like the Volume Up and Down and Mute keys on your original remote. In the PLUG 'N POWER mode, **VOL +**/ **VOL –** operates Bright and Dim and **MUTE** operates ALL OFF.

SLEEP (**SHIFT + MUTE**) — controls the Sleep Timer in TV, CABLE, SAT, and AMP or TUN modes for devices which have this feature. If your device does not have a Sleep Timer, **SLEEP** activates the remote's built-in sleep timer.

CH + (Channel Up) and **CH −** (Channel Down) — work like the Channel Up and Down keys on your original remote. **CH +** and **CH −** also control preset Up/Preset Down in AMP or TUNER mode and ON/OFF in the PLUG 'N POWER mode.

Digit Keys (0–9) — work like the digit keys on your original remote. They also control Input Selections in AMP or TUNER mode.

ENTER — works like the Enter key on your original remote (for example, direct channel access).

TV/VIDEO — works like the TV/Video key on your original TV remote, and TV/SAT key on your original satellite remote. **TV/VIDEO** also controls TV/VCR in VCR mode, A/B in cable and CD modes, and Input Select in AMP or TUN mode.

LAST (Last Channel) — works like the Previous Channel or Recall key on your original remote. It also operates the RANDOM functions in the CD and AMP or TUNER modes.

AUDIO and **VIDEO** (Macro Keys) — memorize up to 15 keystrokes, so you can repeat them in sequence in any mode at the press of a single key.

REW (Rewind), **PLAY**, **FFWD** (Fast Forward), **REC** (Record), **STOP**, and **PAUSE** — work like the transport keys on your original VCR or Laser Disc player remotes. To guard against accidental recording, you must press **REC** twice before recording.

PIP — controls your TV or VCR's Picture-in-Picture feature. Works like the VIEW key on your Satellite receiver's remote.

FREEZE (**SHIFT + PIP**) — freezes your Picture-in-Picture window.

SWAP — swaps the Picture-in-Picture window and the main picture.

FAV/SCAN (Scan or Favorite Channel Scan) — can be programmed to scan through your ten favorite channels or left unprogrammed to scan all channels.

MOVE — moves the Picture-in-Picture window around the screen. Works like the Nest key on your satellite receiver's remote.

 — lets you turn the remote's backlight and display on and off. When you press to turn on the backlight, the backlight stays lit for 5 seconds then lights again anytime you press a key. To turn off the backlight feature, press again.

P — lets you use the remote's displayed menu to program your 7-in-One.

SETTING UP THE 7-IN-ONE

Note: For the best operation, you should be within 15 feet of the device you want to operate.

TO OPERATE YOUR TV

Locate the codes for your TV in "Televisions" on Page 52 and write them down on the supplied label.

Note: Some manufacturers have several codes listed. Try each until you find the right one. The brands are listed in alphabetical order, with the most popular codes listed first.

Then follow these steps to program the 7-in-One to operate your TV.

1. Turn on your TV.

2. Press **TV** then hold down **P** until `TIMED SEQ` appears.

3. Press ▼. `CODE SETUP` appears.

4. Repeatedly press **SELECT** until `TV` appears.

5. Enter the first four-digit code listed for your TV's brand, then press **SELECT**.

   Note: If the 4-digit code begins with zero, only the last 3-digits will appear on the display.

6. Point the 7-in-One at your TV and press **POWER**. Your TV should turn off. If it does not, enter the next code from the list and press **SELECT** then **POWER** again. When your TV turns off, press **ESCAPE** to stop programming.

TO OPERATE YOUR VCR

Locate the codes for your VCR in "VCRs" on Page 65 and write them down on the supplied label.

Note: Some manufacturers have several codes listed. Try each until you find the right one. The brands are listed in alphabetical order, with the most popular codes listed first.

Then follow these steps to program the 7-in-One to operate your VCR.

1. Turn on your **VCR** and insert a tape.

2. Press **VCR** then hold down **P** until **TIMED SEQ** appears.

3. Press ▼. **CODE SETUP** appears.

4. Repeatedly press **SELECT** until VCR appears.

5. Enter the first four-digit code listed for your VCR's brand, then press **SELECT**.

   Note: If the 4-digit code begins with zero, only the last 3-digits will appear on the display.

6. Point the 7-in-One at your VCR and press **POWER** or **PLAY**. Your VCR should turn off or start to play. If it does not, enter the next code from the list and press **SELECT** then **POWER** or **PLAY** again. When your VCR turns off or plays, press **ESCAPE** to stop programming.

TO OPERATE YOUR TV/VCR COMBINATION

Locate the codes for your TV/VCR Combination in "TV/VCR Combinations" on Page 64 and write them down on the supplied label.

Notes:

- Some manufacturers have several codes listed. Try each until you find the right one. The brands are listed in alphabetical order, with the most popular codes listed first.

- Some TV/VCR combinations require a second code to control volume. If you cannot get the volume to work, use the TV code listed in the "TV/VCR Combinations" on Page 64.

Then follow these steps to program the 7-in-One to operate your TV/VCR Combination.

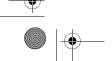1. Turn on your TV/VCR Combo and insert a tape.

2. Press **VCR** then hold down **P** until `TIMED SEQ` appears.

3. Press ▼. `CODE SETUP` appears.

4. Repeatedly press **SELECT** until VCR appears.

5. Enter the first four-digit code listed for your TV/VCR Combo's brand, then press **SELECT**.

   Note: If the 4-digit code begins with zero, only the last 3-digits will appear on the display.

6. Point the 7-in-One at your TV/VCR Combo and press **POWER** or **PLAY**. Your TV/VCR Combo should turn off or start to play. If it does not, enter the next code from the list and press **SELECT** then **POWER** or **PLAY** again. When your TV/VCR Combo turns off or plays, press **ESCAPE** to stop programming.

TO OPERATE YOUR CABLE CONVERTER

Locate the codes for your cable converter in "Cable Converters" on Page 40 and write them down on the supplied label.
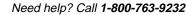
Note: Some manufacturers have several codes listed. Try each until you find the right one. The brands are listed in alphabetical order, with the most popular codes listed first.

Then follow these steps to program the 7-in-One to operate your cable converter.

1. Turn on your cable converter.

2. Press **CBL** then hold down **P** until `TIMED SEQ` appears.

3. Press ▼. `CODE SETUP` appears.

4. Repeatedly press **SELECT** until `CABLE` appears.

5. Enter the first four-digit code listed for your cable converter's brand, then press **SELECT**.

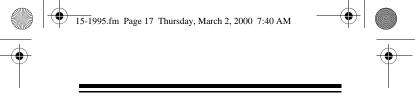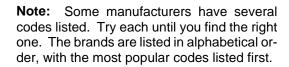   **Note:** If the 4-digit code begins with zero, only the last 3-digits will appear on the display.

6. Point the 7-in-One at your cable con-
verter and press **POWER**. Your cable
converter should turn off. If it does not,
enter the next code from the list and
press **SELECT** then **POWER** again.
When your cable converter turns off,
press **ESCAPE** to stop programming.

Note: If your original cable converter remote
does not have an ON key, press **CH+** on the
7-in-One to turn on your cable converter.

TO OPERATE YOUR
SATELLITE RECEIVER

Locate the codes for your satellite receiver in
"Satellite Receivers" on Page 51 and write
them down on the supplied label.

Note: Some manufacturers have several
codes listed. Try each until you find the right
one. The brands are listed in alphabetical or-
der, with the most popular codes listed first.

Then follow these steps to program the 7-in-
One to operate your satellite receiver.

1. Turn on your satellite receiver.

2. Press **SAT** then hold down **P** until `TIMED
SEQ` appears.

3. Press ▼. `CODE SETUP` appears.

4. Repeatedly press **SELECT** until `SAT/
DSS` appears.

5. Enter the first four-digit code listed for
your satellite's brand, then press
SELECT.

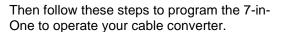**Note:** If the 4-digit code begins with zero, only the last 3-digits will appear on the display.

6. Point the 7-in-One at your satellite receiver and press **POWER**. Your satellite receiver should turn off. If it does not, enter the next code from the list and press **SELECT** then **POWER** again. When your satellite receiver turns off, press **ESCAPE** to stop programming.

TO OPERATE YOUR CD PLAYER

Locate the codes for your CD player in "CD Players" on Page 44 and write them down on the supplied label.

Note: Some manufacturers have several codes listed. Try each until you find the right one. The brands are listed in alphabetical order, with the most popular codes listed first.

Then follow these steps to program the 7-in-One to operate your CD player.

1. Turn on your CD player and insert a disc.

2. Press **CD** then hold down **P** until **TIMED SEQ** appears.

3. Press ▼. **CODE SETUP** appears.

4. Repeatedly press **SELECT** until **CD** appears.

5. Enter the first four-digit code listed for your CD player's brand, then press **SELECT**.

Note: If the 4-digit code begins with zero, only the last 3-digits appear.

6. Point the 7-in-One at your CD Player and press **PLAY**. Your CD player should start to play. If it does not, enter the next code from the list and press **SELECT** then **PLAY** again. When your CD starts to play, press **ESCAPE** to stop programming.

TO OPERATE YOUR TUNER/ RECEIVER

Locate the codes for your Tuner/Receiver in "Tuners/Receivers" on Page 60 and write them down on the supplied label.

Note: Some manufacturers have several codes listed. Try each until you find the right one. The brands are listed in alphabetical order, with the most popular codes listed first.

Then follow these steps to program the 7-in-One to operate your Tuner/Receiver.

1. Turn on your Tuner/Receiver.

2. Press **TUNER** then hold down **P** until `TIMED SEQ` appears.

3. Press ▼. `CODE SETUP` appears.

4. Repeatedly press **SELECT** until `TUNER` appears.

5. Enter the first four-digit code listed for you tuners/receiver's brand, then press **SELECT**.

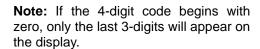   **Note:** If the 4-digit code begins with zero, only the last 3-digits will appear on the display.

6. Point the 7-in-One at your Tuner/
Receiver and press **POWER**. Your
Tuner/Receiver should turn off. If it
does not, enter the next code from the
list and press **SELECT** then **POWER**
again. When your Tuner/Receiver turns
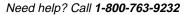off, press **ESCAPE** to stop programming.

TO OPERATE YOUR AMPLIFIER

Locate the codes for your Amplifier in "Ampli-
fiers" on Page 39 and write them down on
the supplied label.

Note: Some manufacturers have several
codes listed. Try each until you find the right
one. The brands are listed in alphabetical or-
der, with the most popular codes listed first.

Then follow these steps to program the 7-in-
One to operate your amplifier.

1. Turn on your amplifier.

2. Press **AMP** then hold down **P** until
   `TIMED SEQ` appears.

3. Press ▼. `CODE SETUP` appears.

4. Repeatedly press **SELECT** until `AMP`
   appears.

5. Enter the first four-digit code listed for
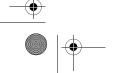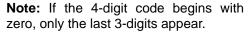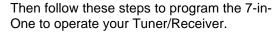   your amplifier's brand, then press
   SELECT.

   Note: If the 4-digit code begins with
   zero, only the last 3-digits will appear on
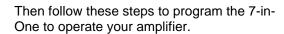   the display.

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6. Point the 7-in-One at your amplifier and press **POWER**. Your amplifier should turn off. If it does not, enter the next code from the list and press **SELECT** then **POWER** again. When your amplifier turns off, press **ESCAPE** to stop programming.

TO OPERATE OTHER DEVICES

In addition to the labeled devices (**AMP**, **TUNER**, **TV**, **CD**, **CBL**, **VCR** or **SAT**), the 7-in-One can also operate digital video disc players (DVD), laser disc players (LPD), cassette decks, digital audio tape (DAT) players, video accessories, and miscellaneous audio devices (graphic equalizers and digital audio service terminals for example).

To access device codes for:	Use:
Digital Video Disc Players, Laser Disc Players, Cassette Decks, Digital Audio Tape Players	**VCR**
Phonographs	**CD**
Video Accessories	**CBL**
Miscellaneous Audio	**AMP**
Home Automation	**PLUG 'N POWER**

Note: The PLUG 'N POWER feature requires additional equipment that is available at your local RadioShack store.

For example, to set up a laser disc player:

1. Turn on your laser disc player and insert a disc.

2. Press **VCR** then hold down **P** until **TIMED SEQ** appears.

3. Press ▼. **CODE SETUP** appears.

4. Repeatedly press **SELECT** until **VCR** appears.

5. Press ▼ or ▲ to toggle between **VCR**, **LDP**, **TAPE**, and **DAT**.

6. When **LDP** appears, enter the first four-digit code listed for your laser disc player's brand in "Laser Disc Players" on Page 49, then press **SELECT**.

   Note: If the 4-digit code begins with zero, only the last 3-digits will appear on the display.

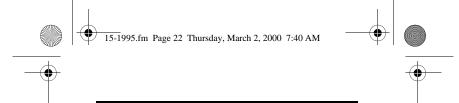7. Point the 7-in-One at your laser disc and press **PLAY**. Your laser disc player should play. If it does not, enter the next code from the list and press **SELECT** then **PLAY** again. When your laser disc player plays, press **ESCAPE** to stop pro-gramming.

SPECIAL FEATURES

SEARCHING FOR A CODE

Before Setup

If you have tried all the codes from the list and your device still will not respond to the 7-in-One (or if your brand is not listed), try searching for your code.

For example, to find the code for your TV:

1. Turn on your TV, then press **TV**.

2. Hold down **P** until `TIMED SEQ` appears.

3. Press ▼. `CODE SETUP` appears.

4. Press **SELECT**. `DEV SET UP` appears.

5. Press ▼. `DEV SEARCH` appears.

6. Press **SELECT**. `TV` and the last entered four-digit code appear.

   Note: If the 4-digit code begins with zero, only the last 3-digits will appear on the display.

7. Press **POWER**. If your TV does not turn off, press ▼. The next most recently entered code appears. Continue pressing **POWER** then ▼ until your TV turns off. Then press **SELECT** to lock in the code and stop programming.

Repeat these steps, using the appropriate device key (**TV**, **VCR**, **CBL**, etc.) in Step 1 for each device you need to search.

Note: If you are searching for a VCR, CD player, laser disc player, or DVD player code, turn on the device and insert a tape/CD before you begin the search. Then, use **PLAY** instead of **POWER**.

After Setup

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

1. Press **TV**.

2. Hold down **P** until `TIMED SEQ` appears.

3. Press ▼. `CODE SETUP` appears.

4. Press **SELECT**. `DEV SET UP` appears.

5. Press ▼ twice. `DEV NUMBER` appears.

6. Press **SELECT**. `TV` and the code for that device appear.

Notes:

- If the 4-digit code begins with zero, only the last 3-digits will appear on the display.

- To view the four-digit code for another device, press the key for the device you want to view in Step 1.

- Write down the four-digit code then press **ESCAPE** to stop programming.

USING FAVORITE CHANNEL SCAN

You can program your 7-in-One Remote to scan through 10 of your favorite channels in either TV, Cable, or Satellite 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**, **CBL**, **SAT**).

2. Hold down **P** until `TIMED SEQ` appears.

3. Press ▼ twice. `CONFIGURE` appears.

4. Press **SELECT**. `THEATR SEL` appears.

5. Press ▼ until `FAVCH SCAN` appears.

6. Press **SELECT**. `CH` appears.

7. 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, 02, 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 number.

8. Repeat Step 7 for up to 9 other channels you want to include in your list.

9. Press **ESCAPE** to end programming.

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

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

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Note: If you do not program a favorite channel list, **SCAN** acts as a "channel surf" key. Each time you press **SCAN**, the 7-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. Repeat Steps 1–6 above, then press **ESCAPE**. Your favorite channel list is cleared.

USING THE SLEEP FUNCTION

The 7-in-One has a **SLEEP** key that either operates your component's sleep timer, or your component does not have a sleep timer, it activates the 7-in-One's built-in sleep timer.

To activate your device's sleep timer, press **SLEEP** (**SHIFT + MUTE**).

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 device does not have a sleep timer, the 7-in-One will access its own built-in sleep timer.

1. Press **SLEEP** (**SHIFT + MUTE**). `SLEEP 15` will appear.

2. Press ▼ to add time to the sleep timer. Each press will add 15 minutes up to a total of 60 minutes.

3. Press **SELECT** after the desired time is displayed.

If you would like to use the 7-in-One's built in sleep timer on all of your devices, you can lock the sleep mode.

1. Hold down **P** until `TIMED SEQ` appears.

2. Press ▼ twice. `CONFIGURE` appears.

3. Press **SELECT**. `THEATR SEL` appears.

4. Press ▲ twice. `SLEEP LOCK` appears.

5. Press **SELECT**. `DISABLE` appears.

6. Press ▼. `ENABLE` appears.

7. Press **SELECT**. Now, whenever you press **SLEEP** (**SHIFT + MUTE**), the 7-In-One will use its own built-in timer.

Notes:

• When using the built-in sleep timer, pressing **POWER** will cancel the sleep function.

• Once you have activated the 7-in-One's built in sleep timer, you must keep the remote control aimed directly at the component.

To use another device's sleep timer, or to simply disable the Sleep Lock, repeat the above steps, pressing ▲ to select `DISABLE` in Step 6.

CONVERTING DEVICE KEYS

You can use the 7-in-One to operate a second TV or VCR, or any combination of up to six devices. To do this, you must first convert an unused device key (**AMP**, **TUNER**, **TV**, **CD**, **CBL**, **VCR**, or **SAT**) to operate the second device.

For example, to convert **CBL** to operate a second TV:

1. Hold down **P** until `TIMED SEQ` appears.

2. Press ▼ twice. `CONFIGURE` appears.

3. Press **SELECT**. `THEATR SEL` appears.

4. Press ▼ three times.   `MODE MAP` appears.

5. Press **SELECT**. `SOURCE` appears.

6. Press **TV**. `COPY TO` appears.

7. Press **CBL**. `TV2` appears.

8. Program the converted device key (**CBL**) with the code for the second TV. (See "To Operate Your TV" on Page 14.)

Repeat these steps for each key you want to convert.

PUNCH-THROUGH

The 7-in-One lets you choose one device to control the sound volume for all the devices the 7-in-One operates. When you first set up the 7-in-One, each device with volume control operates its own volume.   You can change this so that one device controls the volume no matter which device the 7-in-One is operating.

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For example, to set-up the 7-in-One so your receiver always controls the volume:

1. Hold down **P** until **TIMED SEQ** appears.

2. Press ▼ twice. **CONFIGURE** appears.

3. Press **SELECT**. **THEATR SEL** appears.

4. Press ▼ twice. **VOL LOCK** appears.

5. Press **SELECT**. **UNLOCK** appears.

6. Press ▼. **LOCK** appears.

7. Press **SELECT** then the key for the device that you want to control the sound volume (**AMP**, **TUNER**, **TV**, **CD**, **CBL**, **VCR**, or **SAT**), then press **SELECT**.

   For example, to control the volume through your receiver, press **TUNER** then **SELECT**. When you press the volume keys on your 7-in-One, your receiver controls the volume.

8. Press **ESCAPE** to exit.

Note: You might need to use the **MENU** or **VOL** keys to control volume, depending on which device you selected during these steps.

Resetting Punch-Through
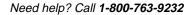
To restore volume control to each individual device:

1. Hold down **P** until **TIMED SEQ** appears.

2. Press ▼ twice. **CONFIGURE** appears.

3. Press **SELECT**. **THEATR SEL** appears.

4. Press ▼ twice. **VOL LOCK** appears.

5. Press **SELECT**. **LOCK** appears.

6. Press ▼. **UNLOCK** appears.

7. Press **SELECT**. Each device now controls its own volume when you use the volume keys on your 7-in-One.

USING THE MACRO KEYS

The 7-in-One has two dedicated macro keys, **AUDIO** and **VIDEO**. Each lets you play back a series of up to 15 keystrokes at any time with a single keypress, in any mode. You can also program almost any other key on the 7-in-One as a macro key.

Note: When you program a key as a macro key, its original function no longer operates. Do not program device keys, digit keys, **P**, or 📍 as macro keys.

You can set up a maximum of 36 macros, 15 timed sequences (see "Setting Up Timed Sequences" on Page 32), or a combination of both. For example, follow these steps to set up a macro on **VIDEO** that turns on your **TV**, **VCR**, and satellite system so you can record a program.

Note: If you make a mistake, press **ESCAPE** and start over at Step 1.

1. Hold down **P** until **TIMED SEQ** appears.

2. Press ▼ twice. **CONFIGURE** appears.

3. Press **SELECT**. **THEATR SEL** appears.

4. Press ▼ four times. **KEY MACRO** appears.

5. Press **SELECT**. **SEL MACKEY** appears.

6. Press **VIDEO**. **ENTER SEQ** appears.

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7. Enter the sequence of up to 15 key-strokes that you want the 7-in-One to memorize, then press **ESCAPE**.

   For example: **TV POWER 04 TV/VIDEO SAT POWER**

   In our example, whenever you press **VIDEO**, the TV turns on, tunes to channel 4, and changes the input to VIDEO 1, then the satellite turns on.

   Note: When setting up a macro, you must include all keystrokes that you would enter during regular usage, such as pressing **ENTER** after a channel number when changing channels (if your TV requires it).

SETTING UP TIMED SEQUENCES

The 7-in-One lets you set up a sequence of keystrokes that can be played back at a time you specify, up to seven days in advance. You can set up a maximum of 15 timed sequences, 36 macros (see "Using the Macro Keys" on Page 31), or a combination of both.

For example, follow these steps to set your VCR to record a program from your satellite system.

Note: If you make a mistake, press **ESCAPE** and start over at Step1.

1. Hold down **P** until **TIMED SEQ** appears.

2. Repeatedly press **SELECT** until **START** and the time appear, with the first digit blinking. Enter time in 12-hour format. **AM/PM** flashes.

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3. If necessary, press ▼ to toggle between **AM** and **PM**, then press **SELECT**. **ONCE** appears.

4. Press ▲ and ▼ to toggle between ONCE, DAILY, and WEEKLY. When the desired frequency appears, press SELECT. The day of the week appears.

5. Press ▲ and ▼ to toggle through the days of the week until the day when you want the sequence to start running appears.

6. Press **SELECT**. **ENTER SEQ** appears.

7. Enter the sequence of keystrokes you want the 7-in-One to play at the selected time, then press **ESCAPE**.

For example, to set up a sequence that turns on the satellite, tunes to channel 275, turns on the VCR, and starts recording, enter: **SAT POWER SAT 275 VCR POWER VCR RECORD**

When your sequence is set up, the clock icon appears.

Deleting a Timed Sequence

1. Hold down **P** until **TIMED SEQ** appears.

2. Press **SELECT**. **ADD MACRO** appears.

3. Press ▲ or ▼. **DEL MACRO** appears.

4. Press **SELECT**. **DEL** and the first set day and time appear.

5. If necessary, use ▲ or ▼ to scroll through the saved timed sequences. When you see the one you want to delete, press **SELECT**. **DELETED** appears. If there are more timed sequences, the next one appears.

SETTING UP THE HOME THEATER KEY

The 7-in-One lets you operate all of the most commonly used home theater functions in one mode. When setting up the Home Theater mode, you choose which devices will control volume, channel changing, playback, picture-in-picture, and menu functions.

1. Press **HOME THEATER**.

2. Hold down **P** until `TIMED SEQ` appears.

3. Press ▼ twice. `CONFIGURE` appears.

4. Press **SELECT** twice. `AUDIO` appears.

5. Press **SELECT** then the appropriate device key (**TV**, **CBL**, **SAT**, **VCR**, **CD**, or **TUNER**) to select the device that you want to control audio features in Home Theater mode, then press **SELECT**. `CHANNEL` appears.

6. Press **SELECT**, then the appropriate device key to select the device that you want to change channels in Home Theater mode.

7. Press **SELECT**. `PLAY BACK` appears.

8. Press **SELECT**, then **CD** or **VCR** to select the device that you want to control the transport keys (**PLAY**, **REW**, **FFWD**, **PAUSE**, **STOP**, **REC**) in Home Theater mode.

9. Press **SELECT**. `PIP` (Picture-in-Picture) appears.

10. Press **SELECT** then **TV**, **CBL**, or **VCR** to select the device that you want to control Picture-in-Picture features in Home Theater mode.

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11. Press **SELECT**. `MENU` appears.

12. Press **SELECT** then the appropriate key to select the device you want to control the menu features in Home Theater mode. Then press SELECT again to stop programming.

Setting Up a Power Key Macro

After you set up the Home Theater mode, you can create a macro sequence that lets you use **POWER** to turn on and off all of your Home Theater devices.

1. Press **HOME THEATER**, then hold down **P** until `TIMED SEQ` appears.

2. Press ▼ twice. `CONFIGURE` appears.

3. Press **SELECT**. `THEATR SEL` appears.

4. Repeatedly press ▼ until `KEY MACRO` appears.

5. Press **SELECT**. `SEL MACKEY` appears.

6. For each device in your home theater system, press **POWER** then the device key.

   Note: You cannot use `AUDIO` or `VIDEO` in your Home Theater Power key macro.

7. Press **POWER** then **ESCAPE** to stop programming.

To activate the Home Theater Power macro, press **HOME THEATER** so `THEATR` appears, then press **POWER** to turn all of your home theater devices on or off.

CLEAR ALL

Use the Clear All feature to reset all advanced functions of the 7-in-One. Clear All erases macro sequences, timed macro sequences, and Volume Punch-Through from the 7-in-One's memory. It does not erase the set-up codes you programmed.

To reset the 7-in-One using the Clear All feature:

1. Hold down **P** until **TIMED SEQ** appears.

2. Press ▼ twice. **CONFIGURE** appears.

3. Press **SELECT**. **THEATR SEL** appears.

4. Press ▲. **CLEAR ALL** appears.

5. Press **SELECT**. **CLR ALL** appears.

6. Press **SELECT**. **CONFIRM** appears.

7. Press **SELECT** once more. Your 7-in-One is reset.

USING THE IR/RF COMMAND CENTER

The 7-in-One comes with an IR/RF Command Center which receives radio frequency signals form the 7-in-One and converts them into infrared (IR) signals to control your components.

Note: The 7-in-One's actual range depends on the construction of the building where it is used, as well as other factors, such as radio frequency interface. For the best operation:

• Aim the 7-in-One toward the room where the Command Center is located.

- Do not position the Command Center near metal objects (such as heating ducts) that can absorb RF signals.

- Keep fresh batteries in the 7-in-One. Weak batteries reduce the 7-in-One's range.

After you have set up the 7-in-One to control your devices (see "Quick Setup" on Page 7 or "Setting Up the 7-in-One" on Page 14), follow these steps to set up the Command Center:

1. Choose a location about 8 feet in front of the components you want to control. The location should be near an easily accessible standard AC outlet, with line-of-sight access to your components.

2. Plug the Command Center's power cord into the AC outlet and raise its telescoping antenna.

3. Position the Command Center so its black IR lens is facing your components.

4. Be sure the remote is not pointing toward your equipment, then test the Command Center by pressing **POWER**. You should be able to control components from any room.

Using the IR Signal Extension Cord

You can use the supplied IR signal extension cord to control a device that is within 4 feet of the Command Center but out of its direct line of sight.

1. Plug the IR signal extension cord into the jack (shown here) on the back of the Command Center.

2. Route the IR extender signal extension cord to the device.

3. Use the supplied double-sided tape to attach the IR signal extension cord to the device, with its LED on or next to the device's IR sensor.

4. Be sure the remote is not pointing toward your equipment, then test the Command Center by pressing **POWER**. The Command Center converts the 7-in-one's RF signal into an IR signal, and transmits that signal to the device through the cord.

FCC Caution: This device complies with Part 15 of the *FCC Rules*. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and

2. This device must accept any interference received.

MANUFACTURER CODES

Manufacturer	Code(s)	RadioShack Cat. No.
Amplifiers		
Acurus	0765	
AudioSource	0011	
Carver	0269	
Curtis Mathes	0300	
Denon	0160	
Forte	0606	
GE	0078	
GoldStar	0031	
Harman/Kardon	0106	
Kenwood	0356	
Linn	0269	
Luxman	0165	
Magnavox	0269	
Marantz	0269, 0321	
McIntosh	0251	
NEC	0264	
Nakamichi	0321	
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	
Sansui	0321	
Shure	0264	
Sony	0220	
Soundesign	0078, 0211	
Technics	0308	
Wards	0013, 0078, 0211	
Yamaha	0354, 0133, 0143, 0504	

Manufacturer	Code(s)	RadioShack Cat. No.
Cable Converters		
ABC	0003, 0008, 0014, 0017, 0007, 0011, 0001, 0013	
ABC Cable	0033	
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	
Colour Voice	0025, 0031	
Comband	0232, 0233	
Comtronics	0040, 0060	
Contec	0019	
Digi	0637	
Eastern	0002	
Emerson	0797	
Everquest	0015, 0040	
Focus	0400	
GC Electronics	0207	
GE	0232, 0233	
GMI	0057	
Garrard	0153	
Gemini	0015, 0057, 0242	
General Instrument	0476, 0276, 0011	
GoldStar	0144, 0040	
Goodmind	0797	
Hamlin	0020, 0259, 0009, 0034, 0273	

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Manufacturer	Code(s)	RadioShack Cat. No.
Hitachi	0011	
Hytex	0007	
Jasco	0015, 0153, 0315	
Jerrold	0003, 0012, 0476, 0276, 0014, 0015, 0011, 0024	
Macom	0033	
Magnavox	0027, 0334	
Memorex	0000	
Movie Time	0063, 0156	
NSC	0063, 0156	
Novaplex	0618	
Oak	0019, 0007	
Optimus	0021	
Panasonic	0000, 0107, 0021	
Panther	0637	
Paragon	0000	
Philips	0153, 0025, 0027, 0031, 0242, 0290, 0334	
Pioneer	0144, 0023, 0260, 0533	
Popular Mechanics	0400	
Pulsar	0000	
Quasar	0000	
RCA	0021	
RadioShack	0015, 0315	
	0797	15-1288
	0883	15-8202
Realistic	0207	16-1283, 15-1285A
Recoton	0400	
Regal	0020, 0259, 0273, 0279	
Regency	0002	
Rembrandt	0011	

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Manufacturer	Code(s)	RadioShack Cat. No.
Runco	0000	
SL Marx	0040	
Samsung	0144, 0040	
Scientific Atlanta	0008, 0477, 0017, 0006	
Signal	0015, 0040	
Signature	0011	
Sprucer	0021, 0307	
Starcom	0003, 0015	
Stargate	0015, 0040, 0797	
Starquest	0015	
Sylvania	0001	
TV86	0063	
Tandy	0258	15-8290, 15-8291
TeleCaption	0221	
Teleview	0040	
Texscan	0001	
Timeless	0418	
Tocom	0012, 0013	
Toshiba	0000	
Tusa	0015	
Unika	0153, 0022, 0207	
United Artists	0007	
Universal	0153, 0022, 0077, 0191, 0207	
Videoway	0250	
Viewstar	0063, 0027, 0060, 0211	
	0258	15-8290, 15-8291
Zenith	0000, 0525	
Zentek	0400	
Cassette Decks		
ADC	0171	
Aiwa	0029, 0197, 0200	
Akai	0283	

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Manufacturer	Code(s)	RadioShack Cat. No.
Carver	0029, 0261	
Denon	0076	
Fisher	0074, 0261	
Garrard	0300, 0308, 0309, 0439	
JVC	0244, 0273, 0274, 0303	
Kenwood	0070, 0071, 0092, 0233, 0234	
Kyocera	0171	
MGA	0313	
Magnavox	0029	
Marantz	0029	
Mitsubishi	0283, 0313	
Nakamichi	0147, 0151, 0218, 0247, 0248	
Onkyo	0136, 0282	
Optimus	0027	31-3014, 31-3023, 31-3027, 31-3029, 31-3031, 31-3032, 31-3033, 31-3034, 31-3035, 31-3036, 31-3037, 31-3038, 31-3039, 31-3040, 31-3041, 31-3042
	0220	31-3014, 31-3023, 31-3027, 31-3029, 31-3031, 31-3032, 31-3033, 31-3034, 31-3035, 31-3036, 31-3037, 31-3038, 31-3039, 31-3040, 31-3041
Optimus (continued)	0300	13-1247
	0439	13-1247
	0337	
	0261	13-1248
Panasonic	0229	
Philips	0029	

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Manufacturer	Code(s)	RadioShack Cat. No.
Pioneer	0027	31-3014, 31-3023, 31-3034, 31-3035, 31-3036, 31-3037
	0220	31-3014, 31-3023, 31-3034, 31-3035, 31-3036, 31-3037, 31-3038
	0099	
RCA	0261	
Sansui	0029	
Sanyo	0261	
Sharp	0231	
Sherwood	0337	
Sony	0243, 0170, 0291	
Teac	0280, 0289, 0308, 0309	
Technics	0229	
Victor	0273, 0274	
Wards	0027	
Yamaha	0097, 0094	
CD Players		
ADC	0018, 0033	
Acoustic Research	0123	
Adcom	0155, 0234	
Aiwa	0157, 0012, 0124	
Akai	0156	
Audio Alchemy	0194	
Audio-Technica	0170	
BSR	0194, 0245	
Burmester	0420	
California Audio Lab	0029	
Capetronic	0237	
Carrera	0194	
Carver	0157, 0179, 0299, 0437	
Crown	0122	

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Manufacturer	Code(s)	RadioShack Cat. No.
DAK	0245	
DKK	0000	
Denon	0003, 0873	
Emerson	0305, 0155, 0164, 0469	
Fisher	0179, 0088, 0174, 0342	
GE	0009	
Garrard	0420, 0393, 0245, 0280, 0425	
Genexxa	0032	42-8403
	0305	42-8404
	0164	42-8405
GoldStar	0030, 0417	
Harman/Kardon	0108, 0426	
Hitachi	0032, 0139, 0155	
Inkel	0065	
JVC	0072, 0655	
Kenwood	0028, 0037, 0826	
Kodak	0287	
Krell	0157	
Kyocera	0018	
LXI	0305	
Linn	0157	
Luxman	0093, 0327	
MCS	0029, 0043	
MTC	0420	
Magnavox	0157, 0305, 0038	
Marantz	0029, 0157, 0005, 0038, 0180	
McIntosh	0287	
Mission	0157	
Mitsubishi	0098	
NAD	0019, 0299	

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Manufacturer	Code(s)	RadioShack Cat. No.
NEC	0043, 0130, 0234	
NSM	0157	
Nakamichi	0147	
Nikko	0164, 0169, 0170, 0174	
Onkyo	0101, 0102, 0138, 0868	
Optimus	0000, 0087, 0280	
	0032	31-3042, 42-5041, 42-5044, 42-8402
	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
	0175	42-5013
	0194	42-5016
	0196	42-5019, 42-5032
	0342	42-5037
Optimus (continued)	0426	42-5031, 42-5036, 42-5038
	0437	42-5023, 42-5024
	0536	13-1261, 13-1263
	0775	42-5059
Panasonic	0029, 0303, 0367	
Parasound	0420, 0194	
Philips	0157, 0287	
Pioneer	0032	42-8403
	0305	42-5061
	0468, 0244	
Proton	0157, 0152	
QED	0157	

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Manufacturer	Code(s)	RadioShack Cat. No.
Quasar	0029	
RCA	0179, 0305, 0053, 0009, 0155	
Realistic	0179	42-5014
	0420	42-5022
	0155	42-5004, 42-5007
	0164	42-8400
	0175	42-5010
	0180	42-5020
	0237	
Rotel	0157, 0420	
SAE	0157	
STS	0018	
Sansui	0157, 0305, 0202, 0216	
Sanyo	0179, 0087	
Scott	0305, 0155, 0164	
Sears	0305	
Sharp	0037, 0180, 0265	
Sherwood	0065, 0180, 0196, 0426	
Shure	0043	
Signature	0108	
Sony	0000, 0185, 0490, 0604, 0605	
Soundesign	0145	13-1259
	0425	
Symphonic	0183	
Tascam	0420	
Teac	0420, 0393, 0016, 0045, 0153, 0174, 0180, 0183, 0378	
Technics	0029, 0207, 0303	

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Manufacturer	Code(s)	RadioShack Cat. No.
Toshiba	0019, 0299	
Vector Research	0033, 0194, 0417	
Victor	0072	
Wards	0157, 0053, 0108	
Yamaha	0036, 0170, 0187	
Yorx	0461	

Digital Audio Tape Players

Carver	0158	
Harman/Kardon	0158	
Magnavox	0158	
Marantz	0158	
Philips	0158	

DVD Players

JVC	0558	
Kenwood	0534	
Magnavox	0503	
Mitsubishi	0521	
Onkyo	0503	
Panasonic	0490	
Philips	0503, 0539	
Pioneer	0525, 0571	
Proscan	0522	
RCA	0522	
Samsung	0573	
Sony	0533	
Technics	0490	
Toshiba	0503	
Yamaha	0490, 0545	
Zenith	0503	

Home Automation

Audio Access	0154	
GE	0240	
LiteTouch	0084	
Lutron	0318	

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Manufacturer	Code(s)	RadioShack Cat. No.
One For All	0167	
RadioShack	0240	
Sanyo	0336	
Security System	0167	
Universal X10	0167	
X10	0167	
Laser Disc Players		
Aiwa	0203	
Carver	0064, 0194, 0323	
Denon	0059, 0172, 0241	
Disco Vision	0023	
Funai	0203	
Harman/Kardon	0194	
Hitachi	0023	
JVC	0558	
Kenwood	0534	
Magnavox	0503, 0194, 0217, 0241	
Marantz	0064, 0194	
Mitsubishi	0059, 0521	
NAD	0059	
NEC	0286	
Onkyo	0503	
Optimus	0525	31-3040
Panasonic	0490, 0204	
Philips	0503, 0539, 0064, 0194	
Pioneer	0059, 0525, 0023, 0571	
Proscan	0522	
Quasar	0204	
RCA	0522	
Realistic	0203	16-302
Samsung	0323, 0573	
Sega	0023	

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Manufacturer	Code(s)	RadioShack Cat. No.
Sony	0533, 0193, 0201, 0270	
Technics	0490, 0204	
Theta Digital	0194	
Toshiba	0503	
Yamaha	0490, 0217, 0545	
Zenith	0503	
Miscellaneous Audio		
Adcom	0577	
Aiwa	0010, 0159	
AudioSource	0351	
BSR	0392	
Cambridge Soundworks	0351	
Carver	0351	
Fisher	0052	
Fosgate	0259, 0447	
Harman/Kardon	0477, 0447	
JBL	0477, 0447	
JVC	0073	
Jerrold	0459, 0520	
KLH	0351	
Paramount Pictures	0317, 0351	
RCA	0056	
SSI	0317	
Scientific Atlanta	0460	
Sony	0010, 0159	
Soundstream	0447	
Starcom	0459	
Yamaha	0292	
Phonographs		
Aiwa	0188	
Carver	0188	
Magnavox	0188	
Marantz	0188	
Philips	0188	

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Manufacturer	Code(s)	RadioShack Cat. No.
Satellite Receivers		
AlphaStar	0772	
Amplica	0072	
Amway	0043, 0075	
Cable Innovations	0554	
Century	0538	
Channel Master	0018, 0212	
Chaparral	0053, 0209, 0216	
Citoh	0164	
Conifer	0004	
Curtis Mathes	0061, 0072	
DX Antenna	0041	
Drake	0018, 0064, 0149, 0245	
Echostar	0775, 0148, 0159, 0269, 0280	
	0218	16-2511
Expressvu	0775	
General Instru-ment	0627, 0361, 0050, 0547, 0554, 0869	
HTS	0775	
Hitachi	0819	
Homecable	0238	
Hughes Net-work Systems	0749	
IQ	0210	
IQ Prism	0210	
Intersat	0043	
JVC	0775	
Janeil	0152	
Jerrold	0627, 0361	
Legend	0269	
Macom	0018, 0050, 0061	
Magnavox	0724	

Manufacturer	Code(s)	RadioShack Cat. No.
Memorex	0724	
	0269	16-2511
Next Level	0869	
Norsat	0004	
Panasonic	0701, 0152	
Pansat	0647	
Philips	0724, 0200	
Pico	0075	
Primestar	0627, 0361	
Prosat	0158	
RCA	0566	16-2530, 16-2531, 16-2539
	0143, 0855	
RadioShack	0554	
Ramsey	0075	
Realistic	0052	16-2502, 16-2507
	0051	16-2501
STS	0041, 0210	
Sony	0639	16-2545
Star Choice	0869	
Star Trak	0180, 0421, 0547	
Strong	0421	
Toshiba	0790, 0061, 0082	
Town & Country	0547	
Uniden	0724	16-2575
	0052, 0074, 0076, 0238, 0296, 0370, 0554	
Zenith	0061, 0064, 0856	
Televisions		
A-Mark	0003	
AOC	0030, 0019, 0003, 0052, 0185	
Abex	0032	

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Manufacturer	Code(s)	RadioShack Cat. No.
Admiral	0093	
Adventura	0046	
Aiko	0092	
Akai	0030	
Alaron	0179, 0183	
Ambassador	0177	
Anam	0180	
Anam National	0055	
Archer	0003	15-8287
Audiovox	0451, 0180, 0003, 0092	
Baysonic	0180	
Belcor	0019	
Bell & Howell	0154, 0016	
Bradford	0180	
Brockwood	0019	
Broksonic	0236, 0463, 0003	
CCE	0217	
CXC	0180	
Candle	0030, 0056, 0046, 0186	
Carnivale	0030	
Carver	0054	
Celebrity	0000	
Cineral	0451, 0092	
Citizen	0060, 0030, 0056, 0039, 0046, 0092, 0186, 0280	
Clairtone	0185	
Concerto	0056	
Contec	0180, 0157, 0158, 0185	
Craig	0180	
Crosley	0054	
Crown	0180, 0039	

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Manufacturer	Code(s)	RadioShack Cat. No.
Curtis Mathes	0047, 0054, 0154, 0051, 0451, 0093, 0060, 0030,	
	0145, 0056, 0016, 0039, 0166, 1147, 1347	
Daewoo	0451, 0019, 0039, 0091, 0092	
Daytron	0019	
Denon	0145	
Dumont	0017, 0019	
Electroband	0000, 0185	
Electrohome	0381, 0409	
Emerson	0154, 0236, 0463, 0180, 0282, 0178, 0019, 0179, 0039, 0038, 0158, 0177, 0181, 0182, 0183, 0185, 0270, 0280	
Envision	0030	
Fisher	0154	
Fujitsu	0179	
Funai	0180	16-262
	0179, 0171	
Futuretech	0180	
GE	0047, 0051, 0451, 0093, 0282, 0178, 0021, 0055, 0027, 0279, 1147, 1347	
Gibralter	0017, 0030, 0019	

Manufacturer	Code(s)	RadioShack Cat. No.
GoldStar	0030, 0019, 0056, 0001, 0002, 0032, 0106, 0409	
	0178	16-256
Gradiente	0053, 0056	
Grunpy	0180, 0179	
Hallmark	0178	
Harley David-son	0179	
Harman/Kardon	0054	
Harvard	0180	
Hitachi	0145, 0056, 0032, 0038, 0151, 0279, 0409, 0413	
Infinity	0054	
Inteq	0017	
JBL	0054	
JCB	0000	
JVC	0053, 0036, 0069, 0160, 0169, 0182	
Janeil	0046	
KEC	0180	
KMC	0106	
KTV	0180, 0030, 0039, 0183, 0185, 0217, 0280	
Kawasho	0158	
Kaypani	0052	
Kenwood	0030, 0019	
Kloss	0024, 0046	
LG	0056	
LXI	0047, 0054, 0154, 0156, 0178, 0148	
Logik	0016	
Luxman	0056	
MEI	0185	

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Manufacturer	Code(s)	RadioShack Cat. No.
MGA	0150, 0030, 0178, 0019, 0155	
MTC	0060, 0030, 0019, 0056, 0091, 0185	
Magnavox	0054, 0030, 0179, 0020, 0024, 0028, 0036, 0096, 0186, 0187, 0386	
Majestic	0016	
Marantz	0054, 0030	
Matsushita	0250	
Megatron	0178, 0145, 0003	
Memorex	0154, 0250, 0150, 0056, 0016, 0106	
	0178	16-263, 16-280
	0030	16-254
Midland	0047, 0017, 0051, 0039, 0032	
Minutz	0021	
Mitsubishi	0093, 0150, 0178, 0019, 0155	
Motorola	0093, 0055	
Multitech	0180, 0217	
NAD	0156, 0178, 0166	
NEC	0030, 0019, 0056, 0036	
NTC	0092	
Nikko	0030, 0178, 0092	
Noblex	0430	
Noshi	0018	
Onwa	0180	

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Manufacturer	Code(s)	RadioShack Cat. No.
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, 0002, 0003, 0027, 0032, 0149, 1347	
Philco	0054, 0463, 0030, 0145, 0019, 0020, 0028, 0096	
Philips	0054	
Pilot	0030, 0019, 0039	
Pioneer	0038	
Pioneer (continued)	0166	31-3038
Portland	0019, 0039, 0092	
Prism	0051	
Proscan	0047	
Proton	0178, 0003, 0052	
Pulsar	0017, 0019	
Quasar	0051, 0250, 0165, 0055	

Manufacturer	Code(s)	RadioShack Cat. No.
RCA	0047, 0051, 0093, 0019, 0018, 0038, 0090, 0278, 1047, 1147, 1247, 1347	
RadioShack	0047, 0154, 0019, 0039, 0409	
	0165	16-232, 16-233, 16-236, 16-250, 16-260
	0180	16-252, 16-253, 16-292
	0030	16-254, 16-255, 16-256, 16-265
	0178	16-256, 16-263, 16-268, 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	0183, 0185	
Runco	0017, 0030	
SSS	0180, 0019	
Sampo	0030, 0039, 0032, 0052	
Samsung	0060, 0030, 0178, 0019, 0056, 0032, 0427, 0482	
Samsux	0039	
Sansei	0451	
Sansui	0463	
Sanyo	0154, 0146	

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Manufacturer	Code(s)	RadioShack Cat. No.
Scimitsu	0019	
Scotch	0178	
Scott	0236, 0180, 0178, 0019, 0179	
Sears	0047, 0054, 0154, 0156, 0178, 0179, 0056, 0146, 0148, 0149, 0171	
Semivox	0180	
Semp	0156	
Sharp	0093, 0165, 0039, 0153, 0157, 0386	
Shogun	0019	
Signature	0016	
Simpson	0186, 0187	
Sony	0000	
Soundesign	0180, 0178, 0179, 0186	
Spectricon	0003	
Squareview	0171	
Starlite	0180	
Supre-Macy	0046	
Supreme	0000	
Sylvania	0054, 0030, 0020, 0028, 0096, 0381	
Symphonic	0171	
TMK	0178, 0056, 0177	
Tandy	0093	16-9525
	0039	16-9524
	0409	16-231, 16-234
Tatung	0055, 0003	
Technics	0051, 0250	
Technol Ace	0179	
Techwood	0051, 0056, 0003	

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Manufacturer	Code(s)	RadioShack Cat. No.
Teknika	0054, 0180, 0150, 0060, 0019, 0179, 0056, 0016, 0039, 0092, 0186, 0312	
Telefunken	0056	
Toshiba	0154, 0156, 0060, 0036, 0149	
Tosonic	0185	
Totevision	0039	
Trical	0157	
Universal	0027	
Vector Research	0030	
Victor	0053	
Vidikron	0054, 0242	
Vidtech	0178, 0019, 0036	
Viking	0046, 0312	
Wards	0054, 0165, 0030, 0178, 0021, 0019, 0179, 0056, 0016, 0020, 0027, 0028, 0096	
Yamaha	0030, 0019	
Zenith	0017, 0016, 0092	
Zonda	0003	
Tuners/Receivers		
ADC	0531	
Adcom	0616	
Admiral	0182	
Aiwa	0158, 0189, 0125, 0405	
	0121	13-1273, 13-1274
Akai	0076, 0224	
Bose	0639	

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Manufacturer	Code(s)	RadioShack Cat. No.
Capetronic	0531	
Carver	0189, 0008, 0042, 0360, 0412	
Casio	0195, 0201	
Clarinette	0195	13-1241
Curtis Mathes	0080, 0201	
Denon	0004, 0273, 0771	
Emerson	0424	
Fisher	0042, 0219, 0360	
Garrard	0463, 0281, 0286, 0424, 0440, 0744	
Harman/Kardon	0110, 0189	
Inkel	0062	
JBL	0110	
JVC	0074	
Jensen	0754	13-1278
Kenwood	0027, 0186, 0042, 0077, 0313, 0314	
Koss	0424, 0744	
LXI	0181, 0744	
Linn	0189	
Lloyd's	0195	
Luxman	0166	
MCS	0039, 0201, 0346	
Magnavox	0531, 0189, 0195, 0128	
Marantz	0039, 0189, 0006, 0128, 0412	
Memorex	1024	
Modulaire	0195	13-1241, 13-1242
	0182	13-1246
NAD	0320	
NEC	0235	

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Manufacturer	Code(s)	RadioShack Cat. No.
NTDE Genie-som	0744	14-547
Nakamichi	0347	
Onkyo	0135, 0100, 0119, 0380	
Optimus	0080	31-3042
	0531	13-1291
	0670	13-1271
	0186	13-1251
	0042	13-1267
	0177	16-9601, 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
	0754	13-1277, 13-1278
	0801	13-1284, 13-1293
	0166	31-3040
	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
	0738	
	0360	13-1248
Orient Power	0744	14-547
Panasonic	0039, 0309	
Penney	0195, 0201	
Philips	0189, 0412	

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Manufacturer	Code(s)	RadioShack Cat. No.
Pioneer	0531, 0014, 0150, 0630, 0080, 0289	
	1023	31-3014, 31-3023, 31-3034, 31-3035, 31-3036, 31-3037
Quasar	0039	
RCA	0531, 0054, 0346, 0360	
RadioShack	0744	
	0181	13-1243
Realistic	0195	
	0163	13-8100
	0181	13-1233, 13-1234, 13-1235, 13-1244,
	0182	13-1236, 13-1238, 13-1246
Samsung	0286	13-1279
Sansui	0189, 0346	
Sanyo	0219	
	0801	13-1284
Scott	0105, 0163, 0390	
Sears	0201	
Sharp	0186	
Sherwood	0062	
Sonic	0281	
Sony	0158	
	0415	14-544
Soundesign	0670	
Symphonic	0182	
Teac	0463, 0163, 0298, 0387	
Technics	0039, 0309, 0208	
Techwood	0281	
Victor	0074	
Wards	0158, 0014, 0189, 0080, 0054	

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Manufacturer	Code(s)	RadioShack Cat. No.
Yamaha	0176, 0186, 0082	
Yorx	0195	
Zenith	0281, 0622, 0744	
TV/VCR Combinations		
Brocksonic	0002,	
	0479 (TV: 0463)	
Citizen	0278	
Colt	0072	
Curtis Mathes	0035 (TV: 0051)	
Daewoo	0278 (TV: 0624)	
Emerson	0002, 0278 (TV: 624), 0479 (TV: 0463)	
Funai	0000	
GE	0240, 0035 (TV: 0051), 0048 (TV: 0093), 0060 (TV: 0047)	
Goldstar	0037 (TV: 0056)	
Harley David-son	0000	
Hitachi	0000	
Lloyds	0000	
Magnasonic	0278	
Magnavox	0000, 0081 (TV: 0054)	
Magnin	0240	
Memorex	0037	16-412
	1162	
MGA	0240	
Mitsubishi	0048 (TV: 0093)	

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Manufacturer	Code(s)	RadioShack Cat. No.
Optimus	1162	16-421, 16-422, 16-426, 16-427
	1262 (menu navigation)	16-421, 16-422, 16-426, 16-427
Orion	0002, 0479 (TV: 0463)	
Panasonic	1162, 1262 0035 (TV: 0051)	
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 Westing-house	0278 (TV: 0624)	
Zenith	0000, 0479	
VCRs		
Admiral	0048	
Adventura	0000	
Aiko	0278	
Aiwa	0037, 0000	
Akai	0041, 0049, 0053, 0061, 0106	

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Manufacturer	Code(s)	RadioShack Cat. No.
American High	0035	
Asha	0240	
Audiovox	0037	
Beaumark	0240	
Bell & Howell	0104	
Broksonic	0184, 0121, 0209, 0002, 0211, 0295, 0361, 0479	
CCE	0072, 0278	
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, 0051	
Daewoo	0045, 0278, 0020	
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, 0211, 0212, 0294, 0295, 0361, 0479	

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Manufacturer	Code(s)	RadioShack Cat. No.
Fisher	0047, 0104, 0054, 0066	
Fuji	0035, 0033	
Funai	0000	
GE	0060, 0035, 0048, 0240, 0202	
Garrard	0000	
Go Video	0232, 0279, 0432	
GoldStar	0037, 0038	
Gradiente	0000, 0008	
HI-Q	0047	
Harley David-son	0000	
Harman/Kardon	0081, 0038	
Harwood	0072, 0068	
Headquarter	0046	
Hitachi	0000, 0042, 0041, 0105, 0166, 0396	
JVC	0067, 0041, 0008, 0206	
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 Technol-ogy	0240	
MTC	0240, 0000	
Magnasonic	0278	

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Manufacturer	Code(s)	RadioShack Cat. No.
Magnavox	0035, 0039, 0081, 0000, 0149, 0110	
Magnin	0240	
Marantz	0035, 0081	
Marta	0037	
Matsushita	0035, 0162, 0454	
Memorex	0035	16-705
	0037	16-413, 16-414, 16-524, 16-534, 16-706, 10-34004
	0039, 0162	
Memorex (continued)	0047	10-34002, 10-34006, 10-34008, 10-34010, 10-34012
	0000	16-406, 16-410, 16-411, 16-517, 10-34065
	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, 16-536, 16-619, 16-620, 16-621, 16-623
	0240	16-533, 16-655
Minolta	0042, 0105	
Mitsubishi	0048, 0067, 0043, 0061, 0173	
Motorola	0035, 0048	
Multitech	0000, 0072	
NEC	0104, 0067, 0041, 0038, 0040	
Nikko	0037	
Nikon	0034	
Noblex	0240	
Olympus	0035	

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Manufacturer	Code(s)	RadioShack Cat. No.
Optimus	0037	16-413, 16-419, 16-423, 16-534, 16-535, 16-624
	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
	0454	16-547, 16-548, 16-630, 16-631
	1262	16-426, 16-427
	0240	16-541
	0432	16-541
	1048, 1062, 1162	
Optonica	0062	
Orion	0184, 0002, 0295, 0479	
Panasonic	0035, 0162, 0254, 0378, 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	
Portland	0020	
Profitronic	0240	
Proscan	0060, 0202	
Protec	0072	

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Manufacturer	Code(s)	RadioShack Cat. No.
Pulsar	0039, 0051	
Quarter	0046	
Quartz	0046	
Quasar	0035, 0162, 0454, 1162	
RCA	0060, 0035, 0048, 0240, 0042, 0149, 0105, 0106, 0202	
RadioShack	0000	16-417
	1037	
Radix	0037	
Randex	0037	
Realistic	0035	16-472, 16-651
	0037	16-408, 16-507
	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
	0000	16-404, 16-505, 16-508, 16-510, 16-519, 16-522, 16-703, 16-704
	0104	16-520, 16-521, 16-563, 16-617,
	0062	16-610, 16-700
	0046	16-600, 16-601
	0066	16-503
	0240	16-514
	0048	
Ricoh	0034	
Runco	0039	
STS	0042	
Samsung	0240, 0045, 0051, 0053	
Sanky	0048, 0039	

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Manufacturer	Code(s)	RadioShack Cat. No.
Sansui	0000, 0067, 0041, 0271, 0479	
Sanyo	0047, 0240, 0104, 0046	
Scott	0184, 0045, 0121, 0043, 0210, 0211, 0212	
Sears	0035, 0037, 0047, 0000, 0042, 0104, 0046, 0054, 0066, 0105	
Semp	0045	
Sharp	0048, 0062	
Shintom	0072	
Shogun	0240, 0051	
Singer	0072	
Sony	0035, 0032, 0000, 0033, 0034	
Sylvania	0035, 0081, 0000, 0043, 0110	
Symphonic	0000	
TMK	0240, 0036, 0208	
Tandy	0000	16-9602, 16-9603, 16-9604
	0104	16-9620, 16-9630, 16-9640
Tatung	0041	
Teac	0000, 0041	
Technics	0035, 0162	
Teknika	0035, 0037, 0000	
Thomas	0000	
Toshiba	0045, 0043, 0066, 0210, 0212, 0366	
Totevision	0037, 0240	

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Manufacturer	Code(s)	RadioShack Cat. No.
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 Westing-house	0278	
XR-1000	0035, 0000, 0072	
Yamaha	0038	
Zenith	0039, 0000, 0033, 0034	
Video Accessories		
Archer	0160	
GC Electronics	0160	
Jebsee	0160	
Rabbit	0081	
RadioShack	0160	
Roctec	0456	
SuperGuide	0169	
TeleCaption	0171	

TROUBLESHOOTING

Problem	Solution
Display begins to fade, does not appear, or the red light blinks five times when you press a key.	Replace the batteries with four fresh AAA alkaline batteries.
The 7-in-One does not operate your device.	Try all of the codes listed for your brand of device in the "Setup Codes" section. If this does not work, try searching for your code (see "Searching for a Code" on Page 24). Make sure the device you are setting up can be operated with an infrared remote.
The 7-in-One is not performing commands properly.	Try all of the codes listed for your brand of device in the "Setup Codes" section. Many set-up codes may allow some degree of operation. However, only one set-up code will work correctly with your device.
You make a mistake when setting up your 7-in-One.	During any set up procedure, except for timed sequences, the **ESCAPE** key will return you to the **DEVICE** and **TIME** screen without saving any of the entered information. If you make a mistake when setting up the timed sequence, return to the timed sequence menu and delete the incorrect sequence.
VCR not recording.	As a safety feature on the 7-in-One, you must press the **REC** key twice to begin recording.
CH +/– (Channel Up/Down) and **LAST** not working for your RCA TV.	Due to RCA design (1983-1987), only the original remote will operate these functions.

Need help? Call **1-800-763-9232**

Problem	Solution
Problems changing channels.	If your original remote required an **ENTER** keystroke when changing channels, press the **ENTER** key on the 7-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**, **VCR**, **TV**, **TUNER**, **AMP**, **SAT**, **PLUG 'N POWER**) for the device you are trying to operate. Make sure you aim your 7-in-One at your device and that you are within 15 feet of the device before using your remote.
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 (see Page 60) and an Amplifier code (see Page 39) to control all features of your audio component.
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 7-in-One does not operate Bang & Olufsen audio equipment.	Some Bang & Olufsen and other manufacturers' equipment operate at frequencies higher than 100 kHz. The 7-in-One will not operate such devices.

CARE

To enjoy your RadioShack 7-in-One IR/RF Remote Control for a long time:

- Keep the 7-in-One dry. If it gets wet, wipe it dry immediately.

- Use and store the 7-in-One only in normal temperature environments.

- Handle the 7-in-One gently and carefully. Don't drop it.

- Keep the 7-in-One away from dust and dirt.

- Wipe the 7-in-One with a damp cloth occasionally to keep it looking new.

Modifying or tampering with the 7-in-One's internal components can cause a malfunction and invalidate its warranty. If your 7-in-One is not performing as it should, take it to your local RadioShack store for assistance.

SPECIFICATIONS

Power .... 4 AAA Batteries
IR Control Range .... 26 ft ±30✗
Dimensions (HWD) .... $9^3/_8 \times 2^1/_2 \times 1^5/_8$ 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.