

**7-in-One Home Theater Remote Control
Please read before using this equipment**

INTRODUCTION

Your Radio Shack 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 device in any room of your home.

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PREPARATION

INSTALLING BATTERIES

Your Radio Shack 7-in-One requires four AAA batteries (not supplied), available at your local Radio Shack 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.

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 Remote".

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 first four-digit TV code listed for your TV's brand in "Setup Codes for TV's" on page __, 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 "Setup Codes for VCR's" on page __ or "Setup Codes for TV/VCR Combinations" on page __, 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	#
Cable Converters	#
Cassette Players	#
CD Players	#
DAT Players	#
Satellite Receivers	#
DVD Players	#
Home Automation	#
Laser Disc Players	#
Miscellaneous Audio	#
Phonographs	#
Tuner/Receivers	#

12. Once the 7-in-One is operating all of your devices, press **ESCAPE** to stop programming.

A LOOK AT YOUR REMOTE CONTROL

AMP, TUNER, TV, CBL, CD, VCR, SAT,

-let 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.**

HOME THEATER- lets you control all the functions of a home theater system.

POWER- turns the remote on and off, and controls **ALL LIGHTS ON** in the PLUG 'N POWER mode

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

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 devices 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 than 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/Amplifier	↑	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**.

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

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.

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

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 un-programmed 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.

(LITE BULB GRAPHIC) – lets you turn the remote's backlight and display on and off. When you press (lite bulb graphic) 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 (lite bulb graphic) again.

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

SETTING UP YOUR REMOTE CONTROL

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 “Setup Codes for TV’s” on page __ 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.

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 **TIMES 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.

Setup Codes for TV’s

TO OPERATE YOUR VCR

Locate the codes for your VCR in “Setup Codes for VCR’s” on page __ 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.

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 **TIMES 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.

Setup Codes for VCR’s

TO OPERATE YOUR TV/VCR COMBINATION

Locate the codes for your TV/VCR Combination in “Setup Codes for TV/VCR Combinations” on page __ 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.

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 **TIMES 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.

Note: Some TV/VCR combinations require a second code to control volume. If you can not get the volume to work, use the TV code listed in the “Setup Codes for TV/VCR combinations” on page __.

Setup Codes for TV/VCR Combinations

TO OPERATE YOUR CABLE CONVERTER

Locate the codes for your cable converter in “Setup Codes for cable converters” on page __ 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.

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 **TIMES 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 converter 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.

Setup Codes for Cable Converters

TO OPERATE YOUR SATELLITE RECEIVER

Locate the codes for your satellite receiver in “Setup Codes for Satellite Receivers” on page __ 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.

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 **TIMES 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.

Setup Codes for Satellite Receiver

TO OPERATE YOUR CD PLAYER

Locate the codes for your CD player "Setup Codes for CD Players" on page __ 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.

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 **TIMES 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 will appear on the display.

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.

Setup Codes for CD Players

TO OPERATE YOUR TUNER/RECEIVER

Locate the codes for your Tuner/Receiver in “Setup Codes for Tuners/Receivers” on page ___ 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.

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 **TIMES SEQ** appears.
3. Press **↓**. **CODE SETUP** appears.
4. Repeatedly press **SELECT** until **TUNER** appears.
5. Enter the first four-digit code listed for your 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.

Setup Codes for Tuners/Receivers

TO OPERATE YOUR AMPLIFIER

Locate the codes for your Amplifier in “Setup Codes for Amplifiers” on page __ 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.

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

7. Turn on your amplifier.
8. Press **AMP** then hold down **P** until **TIMES SEQ** appears.
9. Press **↓**. **CODE SETUP** appears.
10. Repeatedly press **SELECT** until **AMP** appears.
11. 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.

12. 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.

Setup Codes for Amplifiers

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 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 Radio Shack 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 **TIMES 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 "Setup Codes for Laser Disc Players" on page __, 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 programming.

Setup Codes

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.
7. 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**. **THEATER 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, 01, 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 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 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 clear erased.

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 devices 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 it’s 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 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**. **THEATER 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 it's 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 __.

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.

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 macro keys, **AUDIO** and **VIDEO**. Each lets you play back a series of up to 15 keystrokes at any time with the press of a single key, in any mode. You can set up a maximum of 36 macros, 15 times sequences (see “Setting Up Timed Sequences” on page __), 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.
7. Enter the sequence of up to 15 keystrokes 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 channel number when changing channels (if your TV requires it).

Repeat these steps to set up a macro on the **AUDIO** key as well.

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 times sequences, 36 macros (see “Using the macro Keys” on page __), 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 Step 1.

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.
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 display 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.
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. Press **POWER** then the key for each device in your home theater system.

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 **THEATER** 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 from 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 _ or "Setting Up the Remote" on page _), 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.

(graphic)

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.

(graphic)

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.

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 __). 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.
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 __) and an Amplifier code (see page __) 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 1 st or 2 nd 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.

NOTES

Limited Ninety-Day Warranty