

Cat. No. 15-1917
OWNER'S MANUAL

Phone Up 4 Remote Control

Please read before using this equipment.



RadioShack™

FEATURES

Your RadioShack Phone Up 4 Remote Control lets you operate almost any infrared device in your home from a distance. The Phone Up 4 can replace up to four standard remote controls.

Unlike some universal remote controls, the Phone Up 4 is preprogrammed and does not need to learn its commands from the original remote controls. All you need to do is enter the 4-digit code for each infrared remote controlled device you want to operate. The Phone Up 4 is automatically ready to operate most of the same functions as the original remote controls.

The Phone Up 4 Remote Control also has these features:

Powerful Infrared Beam — lets you operate many remote controlled devices from a greater distance than with the original remote controls.

Convenient Keypad Design — each control key is in the perfect position for easy operation.

Lighted Keypad — lets you use the Phone Up 4 even in a dark or dimly lit room.

Channel Scan — lets you scan through all available channels on your TV, VCR, or cable converter without having to press a button for each channel.

Favorite Channel Scan — lets you scan through up to 10 channels you select.

Sequences — lets you reduce a sequence of up to 15 commands to a single key press.

Punch-Through — lets you control two different devices without pressing the device key for each one first.

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Sleep Timer — turns off your device in 15 minutes using the built-in sleep timer, or controls a device's built-in sleep timer (if one exists).

Toll-Free Upgrading — call our toll-free Customer Service Hotline at 1-800-950-7044, and we will upgrade your Phone Up 4 over the phone.

Note: You need four AAA alkaline batteries (not supplied) to power your Phone Up 4 .

This manual includes a list of 4-digit manufacturers' codes for TVs, VCRs, cable converters, compact disc players, satellites, and other popular remote controlled devices. It also has a list of specific device codes.

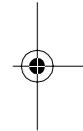
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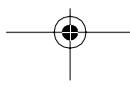
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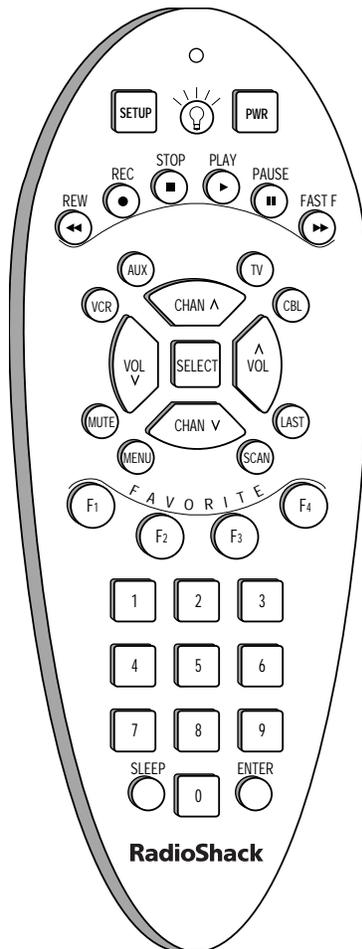


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HOW THE PHONE UP 4 WORKS

Before you begin to use the Phone Up 4, it is helpful to understand a little about how it works — nothing technical, only an idea of what you can expect from the Phone Up 4 and its different groups of keys.



When you set up the Phone Up 4, its command keys work like the keys on your original remote controls. For example, a key labeled POWER ON/OFF on your original remote control is equivalent to the Phone Up 4's PWR key.

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Your RadioShack Phone Up 4 was designed with the functions used most often to operate your TV, VCR, cable converter, CD player, and DSS satellite receiver.

Key	Function
  	Use these device keys when you set up the Phone Up 4 to replace your original remote controls. You also use the device keys during normal operation to tell the Phone Up 4 which device to control.
	Used in setting up your devices.
       	These keys, and the digit keys, operate the same as the similarly named keys on your original remote control.
	Lets you turn on the Phone Up 4's sleep timer function (or a device's built-in sleep timer).
	Lights up your keypad for use in dark or dimly lit rooms.
	Lets you easily browse through channels on your TV, VCR, or cable box.
	Operates the same as the menu key on your original remote control.
   	These keys are for special sequences that you set up.

Key	Function
REW REC STOP   	These keys control VCR functions.
PLAY PAUSE FAST F   	

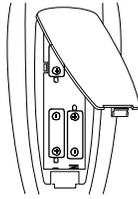
Notes:

- The Phone Up 4's red light turns on when you press a key, and blinks when you enter a feature or manufacturer's code.
- To use **REC** record on the Phone Up 4, you must press it twice. This safety feature helps you avoid accidentally erasing video tapes.
- Depending on your device's features, you might need to press **SELECT** twice to operate your device.
- If you use the Phone Up 4 to replace complex remote controls, the Phone Up 4 might not have some of your original remote control's seldom-used functions.
- A key on the Phone Up 4 that has the same name as a key on your original remote control might have a slightly different function.

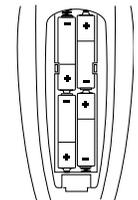
PREPARATION

INSTALLING BATTERIES

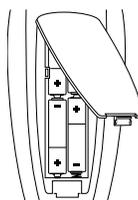
You need four AAA batteries (not supplied) to power your Phone Up 4. We recommend alkaline batteries, such as RadioShack Cat. No. 23-558.



1. Press the battery compartment cover tab and lift off the cover.



2. Install four AAA alkaline batteries as indicated by the polarity symbols (+ and -) marked in the battery compartment.



3. Replace the cover.

Note: Do not place objects on top of the Phone Up 4 after you have installed the batteries. This can press keys for an extended period of time and reduce battery life.

When the Phone Up 4's range decreases or it operates erratically, replace the batteries.

Note: Although the Phone Up 4 has a built-in memory backup, we recommend you have fresh batteries ready to install as soon as you remove the old ones.

USING

The backlight lets you see the keys on your Phone Up 4 in the dark. Press  to light the keys. Also, every time you press a key, the Phone Up 4 lights up and stays lit for several seconds.

To turn off the light, and keep keypresses from lighting the Phone Up 4, press  again.

SETTING UP YOUR PHONE UP 4

1. Refer to “Manufacturers’ Codes” on Page 13 and write down the codes for your original remote controls.
2. Turn on the device you want to control.
3. Press the device key for the type of remote you are replacing (**VCR**, **AUX**, **TV**, or **CBL**).
4. Press and hold **SETUP** until the red light blinks twice, then release it and enter the 4-digit manufacturer’s code.

For example, to replace a TV’s remote control (with manufacturer’s code 0165), press:

TV SETUP 0 1 6 5

When the red light blinks twice again, the Phone Up 4 has accepted the code.

5. Point the Phone Up 4 at your device and press **PWR**.

If your device turns off, press **SETUP** to lock in the code.

If your device does not turn off after you press **PWR**, press the numbers **1** through **9** and **0**, one at a time, to see if the device responds. If the device turns off after you press one of the digit keys, press **SETUP** to lock in that code.

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If your device does not turn off after you press the number keys, press **CHAN ^**, then press **PWR** again. If the device turns off, press **SETUP** to lock in that code.

If your device still does not turn off, press the numbers **1** through **9** and **0**, one at a time, to see if the device responds. If the device turns off after you press one of the digit keys, press **SETUP** to lock in that code.

If your device still does not turn off after you press the number keys again, press **CHAN ^**, then press **PWR** again. If the device turns off, press **SETUP** to lock in that code.

If your device still does not turn off, press the numbers **1** through **9** and **0**, one at a time, to see if the device responds. If the device turns off after you press one of the digit keys, press **SETUP** to lock in that code.

Note: If your device still does not respond, follow the steps in “If You Have Problems” on Page 32.

Repeat Steps 2–5 for additional devices.

DETERMINING THE 4-DIGIT CODE

After you set up your Phone Up 4, you can find which 4-digit device code the Phone Up 4 is set to by following these steps. We recommend that you do this and write down this information so you can easily enter it if your remote control ever stops working.

1. Press the device key you want to get the manufacturers' codes from.
2. Press and hold **SETUP** until the red light blinks twice, then release it.

-
3. Press **9 9 0**. The red light blinks twice.
 4. Press **1**. The red light should not blink.
Note: The first digit in all 4-digit device codes is a zero.
 5. Press **2** and count the number of times the red light blinks. This is the second number of your 4-digit device code.
Note: The red light does not blink if the second digit of your device code is a zero.
 6. Press **3** and count the number of times the red light blinks. This is the third digit of your 4-digit device code.
Note: The red light does not blink if the third digit of your device code is a zero.
 7. Press **4** and count the number of times the red light blinks. This is the fourth and last digit of your 4-digit device code.
Note: The red light does not blink if the fourth digit of your device code is a zero.

Note: The device code is not necessarily the same code as the manufacture's code you entered in "Setting Up Your Phone Up 4" on Page 10. A manufacturer's code makes several different device codes available to the Phone Up 4. To load the specific device code your Phone Up 4 displayed in the above procedure, see "Using Device Codes" on Page 36.

MANUFACTURERS' CODES

Cable Converters		
Manufacturer	Code	RadioShack Cat. No.
ABC	0002	
Archer	0079	15-1285
Century	0197	
Citizen	0046	
Eastern	0262	
Focus	0300	
Garrard	0326	
Gemini	0057	
General Instruments	0329	
Hamlin	0020	
Hitachi	0145	
Hytex	0376	
Jasco	0403	
Jerrold	0003	
Macom	0460	
Magnavox	0054	
Memorex	0037	
Oak	0007	
Panasonic	0051	
Paragon	0564	
Philips	0081	
Pioneer	0166	
Popular Mechanics	0581	
Pulsar	0599	
Radio Shack	0079	15-1287
RCA	0047	
Recoton	0616	
Regal	0279	
Regency	0618	
Rembrandt	0619	
Runco	0632	
Samsung	0060	
Scientific Atlanta	0008	
Signal	0683	
Signature	0684	
Sprucer	0705	

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Cable Converters

Manufacturer	Code	RadioShack Cat. No.
Starcom	0712	
Stargate	0714	
Starquest	0717	
Tocom	0012	
Toshiba	0156	
Tusa	0789	
Unika	0796	
United Artists	0799	
United Cable	0800	
Universal	0021	
Viewstar	0416	
Zenith	0017	
Zentek	0845	

CD Players

Manufacturer	Code	RadioShack Cat. No.
Aiwa	0406	
California Audio Lab	0173	
Carver	0191	
Denon	0246	
Fisher	0154	
GAE	0633	
Genexxa	0330	
Hitachi	0145	
Inkel	0391	
JVC	0053	
Kenwood	0417	
Krell	0860	
Magnavox	0054	
Marantz	0128	
MCS	0456	
Mission	0499	
MCS	0456	
Mission	0499	
Mitsubishi	0150	
NAD	0513	
NEC	0170	
NSM	0516	

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CD Players

Manufacturer	Code	RadioShack Cat. No.
Optimus	0546	42-5015 42-5021 42-5037 42-5040 42-5044 42-5049
Panasonic	0051	
Philips	0081	
Pioneer	0166	
Proton	0031	
Quasar	0055	
RCA	0047	
Rotel	0630	
SAE	0633	
Sansui	0067	
Sanyo	0159	
Sharp	0093	
Sherwood	0180	
Shure	0678	
Sony	0000	
Sylvania	0024	
Teac	0041	
Technics	0250	
Toshiba	0156	
Victor	0809	
Yamaha	0019	

Home Automation

Manufacturer	Code	RadioShack Cat. No.
One-For-All	0543	
Universal	0021	
X-10	0543	

Miscellaneous Audio

Manufacturer	Code	RadioShack Cat. No.
Jerrold	0003	
Starcom	0712	
Scientific Atlanta	0008	

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Satellite Receivers

Manufacturer	Code	RadioShack Cat. No.
General Instruments	0329	
Jerrold	0003	
Primestar	0587	
RCA DSS	0047	
Sony DSS	0000	

Televisions

Manufacturer	Code	RadioShack Cat. No.
Abex	0862	
Admiral	0182	
Aiko	0038	
Akai	0098	
Alleron	0048	
Ambassador	0058	
Anam	0066	
Anam National	0068	
AOC	0137	
Audiovox	0105	
Belcor	0850	
Bell & Howell	0016	
Bradford	0141	
Brockwood	0851	
Candle	0177	
Carver	0191	
Celebrity	0194	
Citizen	0046	
Concerto	0216	
Contec	0222	
Craig	0161	
Crown	0225	
Curtis Mathis	0039	
CXC	0164	
Daewoo	0092	
Daytron	0242	
Dumont	0256	
Electroband	0268	
Emerson	0236	
Envision	0278	

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Televisions		
Manufacturer	Code	RadioShack Cat. No.
Fisher	0154	
Fujitsu	0313	
Funai	0179	
Futuretech	0315	
GE	0027	
Gibraltar	0333	
Goldstar	0056	
Grunpy	0346	
Hallmark	0351	
Harvard	0359	
Hitachi	0145	
Ima	0386	
Infinity	0389	
JBL	0399	
JCB	0400	
JVC	0053	
KTV	0217	
Kenwood	0417	
LXI	0148	
Logik	0443	
Luxman	0451	
MGA	0155	
MTC	0185	
Magnavox	0054	
Marantz	0128	
Memorex	0037	16-254 16-263 16-280 16-292
Mitsubishi	0150	
Motorola	0504	
Multitech	0508	
NAD	0513	
NEC	0170	
Nikko	0529	
NTC	0517	
Onwa	0544	
Optimus	0546	

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Televisions		
Manufacturer	Code	RadioShack Cat. No.
Optonica	0547	
Orion	0549	
Panasonic	0051	
Penney	0135	
Philco	0030	
Philips	0081	
Pilot	0580	
Pioneer	0166	
Portland	0582	
Prism	0588	
Proton	0031	
Pulsar	0599	
Pulser	0852	
Quasar	0055	
RadioShack	0165	16-231 16-232 16-233 16-234 16-235 16-236 16-242 16-246 16-250 16-251 16-255 16-256 16-260 16-288
RCA	0047	
Realistic	0420	16-229 16-230 16-232 16-233 16-234 16-252 16-253A 16-261 16-262 16-515
Runco	0632	
Samsux	0653	
Sampo	0032	
Samsung	0060	
Sanyo	0159	

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Televisions

Manufacturer	Code	RadioShack Cat. No.
Scimitau	0853	
Scott	0309	
Sears	0146	
Sharp	0093	
Shogun	0676	
Signature	0684	
Sony	0000	
Soundesign	0178	
Spectricon	0704	
Squareview	0706	
SSS	0642	
Starlite	0715	
Sylvania	0024	
Symphonic	0171	
Tatung	0049	
Technics	0250	
Techwood	0750	
Teknika	0322	
TMK	0736	
Toshiba	0156	
Totevision	0778	
Ultra	0793	
Universal	0021	
Vector Research	0805	
Victor	0809	
Vidikron	0814	
Vidtech	0815	
Wards	0187	
Yamaha	0019	
Zenith	0017	

VCRs

Manufacturer	Code	RadioShack Cat. No.
Adventura	0034	
Aiko	0038	
Aiwa	0406	
Akai	0098	
American High	0059	

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VCRs		
Manufacturer	Code	RadioShack Cat. No
Asha	0086	
Audiovox	0105	
Beaumark	0123	
Bell & Howell	0016	
Broksonic	0184	
Calix	0856	
Canon	0181	
Carver	0191	
CCE	0160	
Citizen	0046	
Colt	0209	
Craig	0161	
Curtis Mathes	0039	
Cybernex	0227	
Daewoo	0092	
Daytron	0242	
Dynatech	0259	
Electrohome	0381	
Electroponic	0857	
Emerex	0277	
Emerson	0236	
Fisher	0154	
Fuji	0312	
Funai	0179	
GE	0027	
Garrard	0326	
Goldstar	0056	
Gradiente	0338	
Harley Davidson	0355	
Harwood	0361	
Hi-Q	0348	
Hitachi	0145	
JVC	0053	
Jensen	0405	
Kenwood	0417	
KLH	0408	
Kodak	0422	
Lloyd	0859	

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VCRs		
Manufacturer	Code	RadioShack Cat. No
LXI	0148	
Logik	0443	
Magnavox	0054	
Magnin	0463	
Masushita	0475	
Marantz	0128	
Marta	0473	
MEI	0457	
Memorex	0037	16-406 16-408 16-410 16-411 16-529 16-530 16-623 16-705
MGA	0155	
MGN Technology	0240	
MTC	0185	
Minolta	0876	
Mitsubishi	0150	
Motorola	0504	
Multitech	0508	
NAD	0513	
NEC	0170	
Nikko	0529	
Olympus	0542	
Optimus	0546	16-324 16-414 16-533 16-534 16-535 16-536 16-537 16-538 16-539 16-540 16-541 16-542 16-544 16-624 16-625 16-627 16-628

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VCRs		
Manufacturer	Code	RadioShack Cat. No
Optonica	0547	
Panasonic	0051	
Penney	0135	
Pentax	0570	
Philco	0030	
Philips	0081	
Pilot	0580	
Pioneer	0166	
Portland	0582	
Protec	0594	
Pulsa	0599	
Pulser	0852	
Quasar	0055	
Randix	0614	
Randex	0858	
RCA	0047	
Realistic	0420	16-251 16-404 16-503 16-505 16-506 16-507 16-508 16-510 16-511 16-512 16-513 16-514 16-515 16-516 16-518 16-519 16-520 16-521 16-522 16-611 16-612 16-613 16-614 16-615 16-616 16-617 16-651 16-652 16-653 16-700

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VCRs		
Manufacturer	Code	RadioShack Cat. No
Realistic (continued)	0420	16-701 16-702 16-703 16-704
Ricoh	0624	
Runco	0632	
Samsung	0060	
Sanky	0655	
Sansui	0067	
Sanyo	0159	
Scott	0309	
Sears	0146	
Sharp	0093	
Shogun	0676	
Shintom	0072	
Singer	0688	
Sony	0000	
STS	0643	
Sylvania	0024	
Symphonic	0171	
Tatung	0049	
Teac	0041	
Technics	0250	
Teknika	0322	
TMK	0736	
Toshiba	0156	
Totevision	0778	
Unitech	0798	
Vector Research	0805	
Victor	0809	
Video Concepts	0810	
Wards	0187	
Yamaha	0019	
Zenith	0017	

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USING TWO OR MORE SIMILAR DEVICES

Each of the Phone Up 4's device keys is preset to control a particular type of device.

TV — TVs only

CBL — Cable converters, satellite receivers, and video accessories

VCR — VCRs and TV/VCR combinations

AUX — CD players, home automation, and miscellaneous audio

Normally, you program each key for one of its listed devices. However, if you have two or more of the same type of device (two TVs, two VCRs, and so on) you can convert any unused key (**TV**, **CBL**, **VCR**, or **AUX**) to control another type of device.

1. Press **SETUP** until the red light blinks twice.
2. Press **9 9 2**. The red light blinks twice. Press the device key for the type of device you want to be able to control, then press the unused device key you want to convert. The red light blinks twice again.

For example, to convert an unused **CBL** key into a second **VCR** key:

SETUP 9 9 2 VCR CBL

To change the **CBL** key back to its original function:

SETUP 9 9 2 CBL CBL

3. Assign a code to the key. See "Setting Up Your Phone Up 4" on Page 10.

OPERATION

BASIC OPERATION

1. Press the device key for the device you want to operate, then point the Phone Up 4 at the device and press **PWR** (or **CHAN ^** for some cable converters) to turn on the device.
2. Repeat Step 1 for all devices you want to operate.
3. Point the Phone Up 4 at the device you want to control, then press the appropriate device key, then the desired command keys.

Note: The command keys on the Phone Up 4 work the same as the keys on the original remote control; however, the labeling might differ slightly.

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

For example, to turn on your cable converter then your TV, you would press:

CBL PWR TV PWR

CHANNEL SCAN

Channel scan lets you scan through all available channels on your TV, VCR, or cable converter, stopping at each for about 3 seconds.

Note: Channel scan does not operate if favorite channel scan is programmed for any device. See "Favorite Channel Scan."

1. Press the device key (**TV**, **VCR**, or **CBL**).
2. Aim the Phone Up 4 at your device and press **SCAN**. The Phone Up 4 scans through the available channels.

Note: The Phone Up 4 must be pointed at the device the entire time you use channel scan.

3. To stop scanning, simply press any key on the Phone Up 4.

FAVORITE CHANNEL SCAN

Favorite channel scan lets you set up your Phone Up 4 to scan through up to 10 preselected channels, stopping at each for about 3 seconds.

Setting Favorite Channel Scan

Note: Favorite channel scan can only be set up for one device. Once favorite channel scan is set up for a device, you must clear it before you can use channel scan for any device.

1. Press the desired device key (**TV**, **VCR**, or **CABLE**).
2. Press and hold down **SETUP** until the red light blinks twice, then release it.
3. Press **9 9 6**. The red light blinks twice again.

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-
-
4. Enter the first channel's two-digit number.
(Enter a **0** before any single-digit channel number.)
 5. After you enter a channel number, press **SETUP**.

For example:

0 9 SETUP (for Channel 9)

1 2 SETUP (for Channel 12)

1 4 SETUP (for Channel 14)

Note: If your device requires you to press **ENTER** to change channels, you must press **ENTER** instead of **SETUP** after each channel you enter into the Phone Up 4's memory.

6. Continue entering channels you want to include in your favorite channel list. After you enter the last channel number, hold down **SETUP** until the red light blinks twice.

Using Favorite Channel Scan

To scan through your favorite channels, press **SCAN** and keep the Phone Up 4 aimed at your device. The Phone Up 4 scans through your selected channels, stopping at each for about 3 seconds.

The Phone Up 4 stops scanning after it reaches the last channel stored in favorite channel scan memory. To stop scanning earlier, simply press any key on the Phone Up 4.

Clearing Favorite Channel Scan

To clear all channels from favorite channel scan:

1. Press and hold **SETUP** until the red light blinks twice.
2. Press **9 9 6**. The red light blinks twice again.
3. Press and release **SETUP**, then press and hold **SETUP** until the red light blinks twice again.

SEQUENCES

You can set up your Phone Up 4 to send up to 15 key presses when you press one of the four *favorite* keys (**F1-F4**). Any sequence of key presses you regularly perform can be reduced to a single key press.

Setting Up a Sequence

Here is an example of how to set up a sequence of key presses.

1. Press and hold **SETUP** until the red light blinks twice, then release it.
2. Press **9 9 5**. The red light blinks twice again.
3. Press one of the favorite keys (**F1-F4**).
4. Enter the desired sequence of commands. For example, press **CBL PWR TV PWR TV 0 3 CBL** to turn on your cable box and your TV and set the TV to Channel 3.

Note: If you must press **ENTER** to select a channel, you must also use **ENTER** in your sequence.

-
-
5. To end the sequence, press and hold **SETUP** until the red light blinks twice. Whenever you press the selected favorite key, your Phone Up 4 sends the commands you entered.

Note: The Phone Up 4 must be pointed toward the device(s) the entire time you send a sequence.

Erasing a Sequence

1. Press and hold **SETUP** until the red light blinks twice.
2. Press **9 9 5**. The red light blinks twice again.
3. Press the favorite key you want to erase (**F1**, **F2**, **F3**, **F4**).
4. Press and hold **SETUP** until the red light blinks twice. Your sequence is erased.

PUNCH-THROUGH

Using Punch-Through

Punch-through lets you control two different devices without pressing the device key for each one first. Here's how it works.

Not all of the Phone Up 4's keys are used by every device. If you select one device, then select another device that does not use all of the functions, the Phone Up 4 can still control some of the first device's functions.

For example, a TV is often the only device that uses the volume keys. If you press **TV**, then press **VCR**, the volume keys continue to operate the TV, but other keys control the VCR.

Note: Punch-through does not work if the last two devices you select have the same (or similar) features. For example, if your TV and cable converter both have **POWER** keys on their remote controls, you must press the desired device key before you use the Phone Up 4's **PWR** key.

Turning Punch-Through On and Off

If your cable converter or VCR does have a volume control, you can turn off punch-through to let the Phone Up 4 control the volume of those devices.

Follow these steps to turn off punch-through.

1. Press the device key (**CBL** or **VCR**) for the device you want to use to control the volume. Then press and hold **SETUP** until the red light blinks twice.
2. Press **9 9 3**. The red light blinks twice again.
3. Press **VOL ^**. The red light blinks twice to indicate punch-through is turned off.

To turn on punch-through, press and hold **SETUP** until the red light blinks twice, then press **9 9 3**. The red light blinks twice. Then press **TV**. The red light blinks twice to indicate punch-through is on.

USING THE SLEEP TIMER

Pressing **SLEEP** turns on the Phone Up 4's built-in sleep timer or the built-in sleep timer (if one exists) on the device you are using (TV, cable box, or satellite).

Note: If the selected device has its own sleep timer, the Phone Up 4's sleep timer is disabled. See your device's Owner's Manual to operate its sleep timer.

To turn on the Phone Up 4's sleep timer, press **SLEEP** once. The red light blinks once. Leave the Phone Up 4 pointing at the device. The device automatically turns off after 15 minutes (or after the time length you set on the device's built-in sleep timer).

You can press **SLEEP** again to increase the Phone Up 4's sleep timer by 15 minutes, up to a total of 60 minutes. Each time you press **SLEEP**, the red light flashes additional times to indicate the set sleep time (once for 15 minutes, twice for 30 minutes, three times for 45 minutes, and four times for 1 hour). The red light flashes occasionally to remind you that the sleep function has been activated.

Press any key other than **SLEEP** to cancel the sleep timer.

IF YOU HAVE PROBLEMS

MANUAL CODE SEARCH

If the Phone Up 4 does not operate your remote controlled devices when you first set it up, you might be able to search the Phone-Up 4's library for a code that works.

Follow these steps to search the Phone Up 4's entire library.

1. Manually turn on the device you want to set up and press the corresponding device key on your Phone Up 4 (**TV**, **VCR**, **CBL**, or **AUX**).
2. Aim the Phone Up 4 at the device you want to operate.
3. Press and hold **SETUP** until the red light blinks twice. Release **SETUP** and press **9 9 1**. The red light blinks twice again.
4. Slowly alternate between pressing **PWR** and the device key.

For example, if you are searching for the code to operate your TV, use the following sequence.

SETUP 9 9 1 PWR TV PWR TV PWR ...

Each time you press **TV**, the Phone Up 4 advances to the next code in the library.

5. When your device responds, immediately press **SETUP** to lock in the device code.

Note: Because of the large number of codes in the Phone Up 4's library, this procedure can take several minutes. If your device turns off during the search, but does not operate after you lock in a code, begin the search again, pausing longer between key presses.

If necessary, repeat these steps for each device.

TROUBLESHOOTING

If the Phone Up 4 stops working after you successfully test it with each device, or if you are unable to get the Phone Up 4 to work at all, check the following:

- Confirm that your remote controlled devices work properly by using the original remote control or the manual controls.
- Be sure you press the device key for the device you want to control before you press any other key.
- Replace the batteries.
- If some of the keys do not function for your device, you might be able to find a better device code. (See "Using Device Codes" on Page 36.) If in doubt, try pressing **MUTE**. Generally, the code that allows mute to work is the best code to use.

DOWNLOADING UPDATED CODE INFORMATION

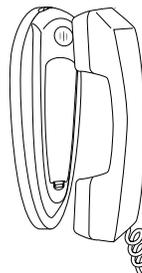
If you still have trouble getting your equipment programmed with the Phone Up 4, you might want to upgrade your Phone Up 4 with new codes by simply calling our toll-free Customer Service Hotline at **1-800-950-7044**.

Notes:

- If you have already set up your Phone Up 4 for other equipment, downloading updated information erases those codes from the Phone Up 4 memory.
- Your Phone Up 4's telephone upgrade feature is designed to work with any telephone that meets current FCC specifications for hearing aid compatibility. Do not use cordless or cellular phones to call for a telephone upgrade.

Follow these steps to upgrade your Phone Up 4.

1. Write down the brand name, model number, and manufacturing date for each device (TV, VCR, cable box, and so on) you want to load into your Phone Up 4. Have this information with you when you call the customer service representative.
2. Call the Customer Service Hotline at **1-800-950-7044**.
3. Give the customer service representative any requested information.
4. Follow the customer service representative's instructions.
5. Hold the Phone Up 4 up to your telephone's earpiece.



Need help? Call 1-800-950-7044

Note: You must hold the telephone's earpiece over the speaker slots of your Phone Up 4 as shown on Page 34. If you do not, the Phone Up 4 might not properly receive the information coming over the telephone line.

While the Phone Up 4 receives information, the red light occasionally blinks to confirm the information transfer.

When the Phone Up 4 successfully receives the information for your infrared devices and loading is complete, the red light blinks twice and turns off.

FAST SEARCH

If you load more than one device code, the Phone Up 4 has a fast search feature which lets you quickly search the newly-loaded device codes, one at a time, until you find the right one.

As soon as the upgrade operation is successfully completed, the Phone Up 4 is ready for you to fast search the loaded codes.

For example, to search the codes loaded into the Phone Up 4's TV memory:

1. Turn on your TV. Point the Phone Up 4 at your TV and press **TV**. The Phone Up 4 sends the power signal for the first TV code.
2. If your TV does not turn off, press **1**. Your Phone Up 4 sends the power signal for the second loaded TV code.
3. Continue pressing the number keys (**2, 3, 4**, and so on) until your TV responds.
4. Once your TV responds, simply press another device key to lock in your code.

Repeat Steps 1-4 to search other devices that you have loaded codes for from your telephone.

5. To quit fast search, press **SETUP**.

Note: You can search up to 11 codes for each device (TV, VCR, and so on) provided 11 codes were loaded.

USING DEVICE CODES

If you know a specific device code for your device, you can enter it directly into your Phone Up 4. Specific device codes are provided in the table that starts on Page 37.

Note: You can determine the specific device code that is already loaded into your Phone Up 4 by following the steps in "Determining the 4-Digit Code" on Page 11.

Follow these steps to enter a specific device code.

1. Turn on the device you want to control.
2. Press the desired device key (**TV**, **VCR**, or **CABLE**).
3. Press and hold **SETUP** until the red light blinks twice.
4. Press **9 8 4**. the red light blinks twice again, indicating the Phone Up 4 is ready to accept a device code.
5. Enter the desired 4-digit device code.

For example, to assign device code 0165 to your **TV** button, press

TV SETUP 9 8 4 0 1 6 5

When the red light blinks twice again, the Phone Up 4 has accepted the code.

6. Point the remote at the device and press **PWR**. If the device turns off, press **SETUP** to lock in the code.

DEVICE CODES

The following table lists all device codes loaded into your Phone Up 4.

Cable Converters	
Manufacturer	Device Codes
ABC	0003, 0007, 0008, 0011, 0013, 0014, 0017
Archer	0153
Century	0153
Citizen	0153
Dae Ryung	0008
Eastern	0002
Everquest	0015
Focus	0400
Garrard	0153
Gemini	0015
General Instrument	0011, 0276
Goldstar	0144
Hamlin	0009, 0020, 0034, 0259, 0273
Hitachi	0011
Hytex	0007
Jasco	0153
Jerrold	0003, 0011, 0012, 0014, 0015, 0276
Macom	0033
Magnavox	0027
Memorex	0000
Oak	0007
Panasonic	0000, 0021
Paragon	0000
Philips	0027, 0153, 0290

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Cable Converters

Manufacturer	Device Codes
Pioneer	0023, 0144, 0533
Popular Mechanics	0400
Pulsar	0000
RCA	0021
Recoton	0400
Regal	0020, 0259, 0273, 0279
Regency	0002
Rembrandt	0011
Runco	0000
Samsung	0144
Scientific Atlanta	0006, 0008, 0017, 0277
Signal	0015
Signature	0011
Sprucer	0021
Starcom	0003, 0015
Stargate	0015
Starquest	0015
StarSight	0422, 0542
Tocom	0012, 0013, 0059
Toshiba	0000
Tusa	0015
Unika	0153
United Artists	0007
United Cable	0003
Universal	0153
Viewstar	0027
Zenith	0000
Zentek	0400
CD Players	
Manufacturer	Device Codes
Aiwa	0157
California Audio Lab	0029
Carver	0157, 0179
Denon	0003

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CD Players	
Manufacturer	Device Codes
DKK	0000
Fisher	0048, 0088, 0179
Genexxa	0032
Hitachi	0032
Inkel	0065
JVC	0072
Kenwood	0028, 0037, 0048, 0190
Krell	0157
Magnavox	0157
Marantz	0029, 0157
MCS	0029, 0043
Mission	0157
Mitsubishi	0098
NAD	0019
NEC	0043
NSM	0157
Optimus	0000, 0032, 0037, 0096, 0179
Panasonic	0029
Philips	0157
Pioneer	0032, 0096, 0244
Proton	0157
QED	0157
Quasar	0029
RCA	0053, 0179
Realistic	0179
Rotel	0157
SAE	0157
Sansui	0157
Sanyo	0179
Sharp	0037
Sherwood	0065
Shure	0043
Sony	0000, 0185
Teac	0016, 0045

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CD Players

Manufacturer	Device Codes
Technics	0029
Toshiba	0019
Victor	0072
Yamaha	0187

Home Automation

Manufacturer	Device Codes
GE	0240
One For All	0167
Radio Shack	0240
Security System	0167
Universal X10	0167
X10	0167

Miscellaneous Audio

Manufacturer	Device Codes
Jerrold	0459, 0520
Scientific Atlanta	0460
Starcom	0459

Satellite Receivers

Manufacturer	Device Codes
AlphaStar	0772
General Instrument	0361
Hughes Network Systems	0749
Jerrold	0361
Panasonic	0701
Primestar	0361, 0627
RCA	0566
Sony	0639

Televisions

Manufacturer	Device Codes
Abex	0032
Admiral	0093
Aiko	0092

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Televisions	
Manufacturer	Device Codes
Akai	0030
Alleron	0179
Ambassador	0177
Anam	0180
Anam National	0055
AOC	0019, 0030, 0137
Audiovox	0180
Belcor	0019
Bell & Howell	0016, 0154
Bradford	0180
Brockwood	0019
Candle	0030, 0056
Carver	0054
Celebrity	0000
Citizen	0030, 0039, 0056, 0060, 0092, 0280
Concerto	0056
Contec	0180
Craig	0180
Crown	0039, 0180
Curtis Mathes	0030, 0039, 0060, 0154
CXC	0180
Daewoo	0019, 0039, 0092, 0451
Daytron	0019
Dumont	0017, 0019
Electroband	0000
Emerson	0019, 0039, 0154, 0177, 0178, 0179, 0180, 0236, 0280, 0282, 0463
Envision	0030
Fisher	0154
Fujitsu	0179
Funai	0179, 0180
Futuretech	0180
GE	0021, 0027, 0047, 0051, 0055, 0135, 0178, 0282

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Televisions	
Manufacturer	Device Codes
Gibralter	0017, 0019, 0030
GoldStar	0019, 0030, 0032, 0039, 0056, 0178
Grunpy	0179, 0180
Hallmark	0178
Harvard	0180
Hitachi	0032, 0056, 0145, 0151
Ima	0180
Infinity	0054
JBL	0054
JCB	0000
JVC	0053
KEC	0180
Kenwood	0019, 0030
KTV	0030, 0039, 0180, 0280
Logik	0016
Luxman	0056
LXI	0047, 0054, 0154, 0156, 0178
Magnavox	0030, 0054
Majestic	0016
Marantz	0030, 0054
Megatron	0145, 0178
Memorex	0016, 0056, 0150, 0154, 0178
MGA	0019, 0030, 0150, 0155, 0178
Midland	0017, 0032, 0039, 0047, 0051, 0135
Minutz	0021
Mitsubishi	0019, 0150, 0155, 0178
Motorola	0055, 0093
MTC	0019, 0030, 0056, 0060
Multitech	0180
NAD	0156, 0166, 0178
NEC	0019, 0030, 0056
Nikko	0030, 0092, 0178
NTC	0092

Need help? Call 1-800-950-7044

Televisions	
Manufacturer	Device Codes
Onwa	0180
Optimus	0154, 0166
Optonica	0093, 0165
Orion	0236
Panasonic	0051, 0055, 0250
Penney	0019, 0021, 0027, 0030, 0032, 0039, 0047, 0051, 0060, 0135, 0156, 0178
Philco	0019, 0030, 0054
Philips	0054
Pilot	0019, 0030, 0039
Pioneer	0166
Portland	0019, 0039, 0092
Priceclub	0060
Prism	0051
Proscan	0047
Proton	0178
Pulsar	0017
Pulser	0019
Quasar	0051, 0055, 0250
Radio Shack	0019, 0032, 0039, 0165, 0180
RCA	0019, 0047, 0090, 0135
Realistic	0019, 0030, 0032, 0039, 0056, 0154, 0165, 0178, 0180
Runco	0017, 0030
Sampo	0030, 0032, 0039
Samsung	0019, 0030, 0032, 0039, 0056, 0060, 0178
Samsux	0039
Sanyo	0154
Scimitsu	0019
Scotch	0178
Scott	0019, 0178, 0179, 0180, 0236
Sears	0047, 0054, 0056, 0154, 0156, 0171, 0178, 0179
Sharp	0039, 0093, 0153, 0165

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Televisions	
Manufacturer	Device Codes
Shogun	0019
Signature	0016
Sony	0000
Soundesign	0178, 0179, 0180
Spectricon	0137
Squareview	0171
SSS	0019, 0180
Starlite	0180
Supreme	0000
Sylvania	0030, 0054, 0065
Symphonic	0171
Tandy	0093
Tatung	0055
Technics	0051, 0250
Technol Ace	0179
Techwood	0051, 0056
Teknika	0016, 0019, 0039, 0054, 0056, 0060, 0092, 0150, 0179, 0180
TMK	0056, 0177, 0178
Toshiba	0060, 0154, 0156
Totevision	0039
Ultra	0391
Universal	0027
Vector Research	0030
Victor	0053
Vidikron	0054
Vidtech	0019, 0178
Wards	0016, 0019, 0021, 0027, 0030, 0054, 0056, 0165, 0178, 0179
Yamaha	0019, 0030
Zenith	0016, 0017
VCRs	
Manufacturer	Device Codes
Adventura	0000
Aiko	0278

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VCRs	
Manufacturer	Device Codes
Aiwa	0000
Akai	0041, 0053
American High	0035
Asha	0240
Audiovox	0037
Beaumarck	0240
Bell & Howell	0104
Broksonic	0121, 0184
Calix	0037
Canon	0035
Carver	0081
CCE	0072, 0278
Citizen	0037, 0278
Colt	0072
Craig	0037, 0047, 0072, 0240
Curtis Mathes	0035, 0041, 0060
Cybernex	0240
Daewoo	0045, 0278
Dynatech	0000
Electrohome	0037
Electroponic	0037
Emerex	0032
Emerson	0000, 0002, 0037, 0043, 0121, 0184, 0278, 0479
Fisher	0047, 0104
Fuji	0033, 0035
Funai	0000
Garrard	0000
GE	0035, 0060, 0065
GoldStar	0037
Gradiente	0000
Harley Davidson	0000
Harwood	0072
HI-Q	0047
Hitachi	0041, 0042, 0065

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VCRs	
Manufacturer	Device Codes
Jensen	0041
JVC	0008, 0041, 0067
KEC	0037, 0278
Kenwood	0041, 0067
KLH	0072
Kodak	0035, 0037
Lloyd	0000
Logik	0072
LXI	0037
Magnavox	0035, 0039, 0081
Magnin	0240
Marantz	0035, 0081
Marta	0037
Matsushita	0035
MEI	0035
Memorex	0000, 0035, 0037, 0039, 0047, 0048, 0104, 0240
MGA	0043
MGN Technology	0240
Minolta	0042
Mitsubishi	0043, 0067
Motorola	0035, 0048
MTC	0000, 0240
Multitech	0000, 0072
NEC	0041, 0067, 0104
Nikko	0037
Noblex	0240
Olympus	0035
Optimus	0037, 0048, 0104, 0162
Optonica	0062
Panasonic	0035, 0162, 0225, 0454
Penney	0035, 0037, 0042, 0240
Pentax	0042, 0065
Philco	0035
Philips	0035, 0062, 0081

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VCRs	
Manufacturer	Device Codes
Pilot	0037
Pioneer	0067
Protec	0072
Pulsar	0039
Quasar	0035, 0162
Radio Shack	0000, 0037
Radix	0037
Randex	0037
RCA	0042, 0060, 0065
Realistic	0000, 0035, 0037, 0047, 0048, 0062, 0104, 0240
Ricoh	0034
Runco	0039
Samsung	0045, 0053, 0240
Sanky	0039, 0048
Sansui	0041, 0067
Sanyo	0047, 0104, 0240
Scott	0043, 0045, 0121, 0184
Sears	0035, 0037, 0042, 0047, 0104
Sharp	0048, 0062
Shintom	0072
Shogun	0240
Singer	0072
Sony	0032, 0033, 0034, 0035
STS	0042
Sylvania	0000, 0035, 0043, 0081
Symphonic	0000
Tatung	0041
Teac	0000, 0041
Technics	0035, 0162
Teknika	0000, 0035, 0037
TMK	0240
Toshiba	0043, 0045
Totevision	0037, 0240
Unitech	0240

Need help? Call 1-800-950-7044

VCRs	
Manufacturer	Device Codes
Vector	0045
Video Concepts	0045
Videosonic	0240
Wards	0000, 0035, 0042, 0047, 0048, 0060, 0062, 0072, 0240
XR-1000	0000, 0035, 0072
Zenith	0033, 0034, 0039

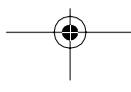
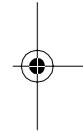
CARE AND MAINTENANCE

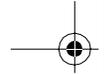
Your Phone Up 4 Remote Control is an example of superior design and craftsmanship. The suggestions below will help you care for this remote so you can enjoy using it for many years.

- Keep it dry. If it gets wet, wipe it dry immediately. Liquids contain materials that can corrode the electronic circuits.
- Handle the Phone Up 4 gently and carefully. Dropping it can damage its circuit board and case, causing the Phone Up 4 to work improperly.
- Use and store the Phone Up 4 only in normal temperature environments. Temperature extremes can shorten the life of electronic devices, damage batteries, and distort or melt plastic parts.
- Keep the Phone Up 4 away from dust and dirt, which can cause premature wear of parts.
- Wipe the Phone Up 4 with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents or strong detergents to clean the Phone Up 4.
- To prevent damage, do not bend or twist the Phone Up 4.
- If the Phone Up 4 is not working properly, take it to your local RadioShack store for assistance.



NOTES





RadioShack Limited Warranty

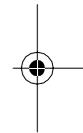
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