# Model ER1 Remote Control

**Scientific Atlanta**

## User's Guide



## FCC Compliance

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, including interference that may cause undesired operation.

**Note**: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the use is encourage to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and the receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by Scientific-Atlanta could void the user's authority to operate this equipment.

## Controlling Volume

### To Program for Volume Control

You can program the remote control to control the volume and mute functions through the EXPLORER 2000 DHCT, or through your TV. The default is through the TV.

1. Point the remote control away from the EXPLORER 2000 DHCT, the TV, and the VCR.

2. Press and hold the CBL key and the SELECT key at the same time, until the LED on the remote control blinks twice.

3. Using the remote control keypad, enter **993**. The LED on the remote blinks twice.

4. Press the TV key or the CBL key, depending on which device you want to control the volume. The LED on the remote control blinks twice to confirm a valid selection.

5. Point the remote toward the device on which you chose to control the volume, and adjust the volume to confirm operation.

### Record of Codes

Record your setup codes in the following table.

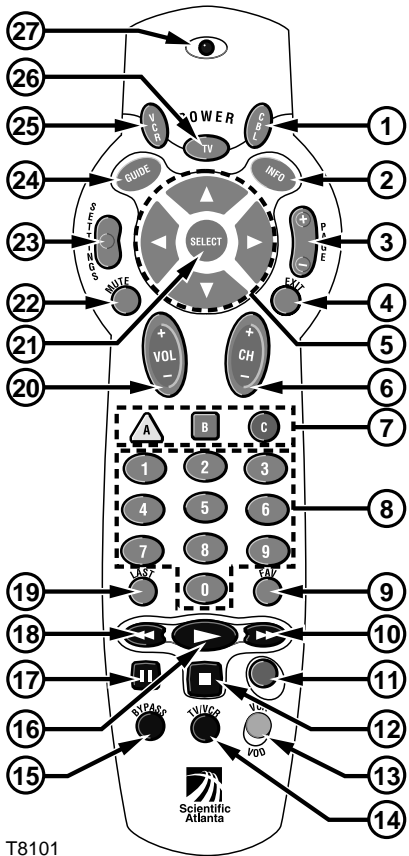| | | | |
|---|---|---|---|
| TV | | | |
| VCR | | | |
| CBL | | | |

## Identifying Codes

### To Identify Programmed Codes

You can find out which code you used to program your TV or VCR. You can determine the code by counting the number of times the LED blinks during the following procedure.

1. Point the remote control away from the EXPLORER 2000 DHCT , the TV, and the VCR.

2. Do one of the following:
   • To identify the TV code, press and hold the TV key and the SELECT key at the same time until the LED on the remote control blinks twice, or
   • To identify the VCR code, press and hold the VCR key and the SELECT key at the same time until the LED on the remote control blinks twice.

3. Using the remote control keypad, enter **990**. The LED on the remote blinks twice.

4. Press **1** on the keypad; then, count the LED blinks. The number of blinks indicates the first number in the code. For example, 4 blinks indicates the first number in the code is 4. If the LED does not blink, the digit is 0 (zero).

5. Press **2** on the keypad; then, count the LED blinks. The number of blinks indicates the second number in the code.

6. Press **3** on the keypad; then, count the LED blinks. The number of blinks indicates the third number in the code.

7. Write down the code in the table provided for future reference.

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# ER1 Remote Control Quick Reference



T8101

### Power

| | | |
|---|---|---|
| 1 | CBL | DHCT on or off |
| 25 | VCR | VCR on or off |
| 26 | TV | TV on or off |
| 27 | LED | LED |

### Sound

| | | |
|---|---|---|
| 22 | MUTE | Mutes sound |
| 20 | VOL | Adjusts volume |

### Device Control

| | | |
|---|---|---|
| 13 | VCR/VOD | Switches control between your VCR and Video On Demand (VOD) program |
| 14 | TV/VCR | Controls your VCR's TV/VCR function. |
| 15 | BYPASS | Controls the BYPASS option (See **Optional Bypass Feature**) |

### Channels

| | | |
|---|---|---|
| 2 | INFO | Displays channel information |
| 6 | CH | Selects channels, up or down |
| 8 | | Enter channel numbers (also used to enter your personal identification number [PIN] for parental control) |
| 9 | FAV | Views favorite channels |
| 19 | LAST | Returns to last channel viewed |

### VCR/VOD

| | | |
|---|---|---|
| 10 | ⏩ | Fast forwards VCR/VOD |
| 11 | ⏺ | Records VCR program |
| 12 | ⏹ | Stops VCR/VOD |
| 18 | ⏪ | Rewinds VCR/VOD |
| 16 | ▶ | Plays VCR/VOD |
| 17 | ⏸ | Pauses VCR/VOD |

### Screens

| | | |
|---|---|---|
| 3 | PAGE | Pages Up/Pages Down |
| 4 | EXIT | Hides interactive screen |
| 7 | A B C | Makes on-screen decisions |
| 24 | GUIDE | Displays interactive program guide |
| 23 | SETTINGS | Displays DHCT settings |
| 5 | | Moves through interactive screen choices |
| 21 | SELECT | Chooses interactive screen item |

**Notes:**
• Program the remote control before you use the DHCT. See **Programming the Remote Control** for programming procedures.
• Make sure you use only *alkaline batteries* in the remote control. See **Inserting the Batteries** for more information.

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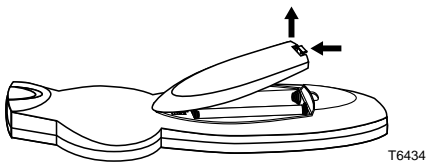# Inserting the Batteries

### Procedure

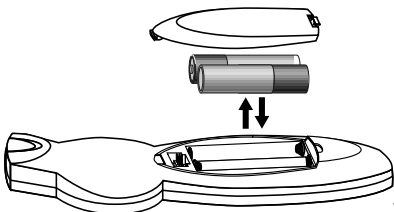Your remote control requires two AA alkaline batteries.

⚠ **CAUTION:**

**Make sure you correctly align the positive (+) and negative (-) terminals on the batteries to the corresponding terminals in the remote control.**

1. Press forward then lift up on the lever on the back cover of the remote control. The battery cover releases, and you can pull the cover up to remove it.
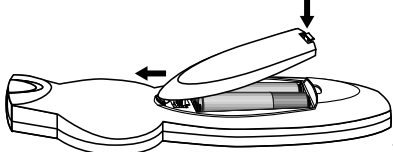


T6434

2. Remove and safely dispose of the old batteries.



T6435

3. Insert and firmly seat two new AA batteries (alkaline required) into the battery compartment.

4. Slide the front of the battery cover back onto the remote control and snap the back of the cover into place.



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# Programming the Remote Control

## Introduction
In addition to operating your digital home communications terminal (DHCT), you can program the ER1 Remote Control to operate your TV and VCR. To program the remote control, use the following procedure.

## Using Device Keys
Remember to press the following appropriate device key to switch the remote control operation for the specific device:

TV **TV**      VCR **V C R**      CBL **C B L**

## Programming for TV Operation
The remote control for the DHCT controls the power, volume up and down, and mute functions.

Make sure the power to your TV is turned on before you program the remote control.

1. Locate your TV brand and TV setup code in the table below. If your TV brand is not listed, see **Searching the Code Library**.

2. Point the remote control away from the DHCT, TV, and VCR.

3. On your remote control, press and hold the TV key and the SELECT key at the same time, until the LED on the remote blinks twice.

4. Using the remote control keypad, enter your TV's 3-digit setup code. The LED on the remote control should blink twice. If not, try another setup code, if available.

5. Confirm by pointing the remote control toward the TV and test the **POWER**, **VOLUME**, and **MUTE** functions.
   **Note:** If you programmed the remote control to adjust the volume on your DHCT rather than the volume on the TV, test only the **POWER** function. If these functions do not operate from the remote control, enter the next TV setup code from the list and repeat this procedure from step 1.

## Programming for VCR Operation
The remote control for the DHCT controls the VCR power, tape play, record, fast forward, rewind, stop, and TV/VCR functions. You can program the DHCT remote control to play video tapes. If you want the DHCT to manage the recording of events with your VCR, you must use the VCR Commander™ module. (See the *VCR Commander™ User's Guide* for more information or ask your cable service provider.) Without this module, you must manually set up your VCR to record programs.

Make sure the power to your VCR is turned on before you program the remote control.

1. Move the VCR/VOD slide switch on the remote control to the VCR position.

2. Locate your VCR brand and VCR setup code in the table below. If your VCR brand is not listed, see **Searching the Code Library**.

3. Point the remote control away from the DHCT, the TV, and the VCR.

4. On your remote control, press and hold the VCR key and the SELECT key at the same time, until the LED on the remote blinks twice.

5. Using the remote control keypad, enter your VCR's 3-digit setup code. The LED on the remote control should blink twice. If not, try another setup code, if available.

6. Confirm by pointing the remote control toward the VCR and test the **POWER**, **PLAY**, and **STOP** functions. If these functions do not operate from the remote control, enter the next VCR setup code in the list and repeat this procedure from step 1.

## Searching the Code Library
If none of the listed TV or VCR codes work, you can enter a code that searches the library of codes. The remote control automatically selects the proper code for your TV or VCR. Make sure the power to your TV or VCR is turned on before you program the remote control.

1. Point the remote control away from your TV or VCR, depending on which device you are programming.

2. Do one of the following:
   - To search for TV codes, press and hold the TV key and the SELECT key at the same time, until the LED on the remote control blinks twice.
   - To search for VCR codes, press and hold the VCR key and the SELECT key at the same time, until the LED on the remote control blinks twice.

   **Note**: The LED on the remote control also blinks twice when it reaches the end of its search library.

3. Using the remote control keypad, enter **991**. The LED on the remote blinks twice.

4. Point the remote control toward your TV or VCR, and press the TV key or the VCR key depending on which device you are programming.

5. Did the TV or VCR turn off?
   - If **yes**, go step 6.
   - If **no**, repeat step 4.

6. Press the SELECT key to confirm a valid code. The remote control LED blinks twice.

7. Point the remote toward the device you programmed and press Power to confirm that the device turns on and off.

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# TV Setup Codes

**Brand—Codes**

Admiral—107
Adventura—060
Aiko—106
Akai—044
Alaron—193
Ambassador—191
Anam—194
Anam National—069, 194
AOC—033, 044, 199
Audiovox—106, 194, 465
Baysonic—194
Belcor—033
Bell & Howell—030, 168
Bradford—194
Brocksonic—250, 477
Candle—066, 044, 070
Carnivale—044
Carver—068
Celebrity—014
Cineral—106, 465
Citizen—060, 044, 070, 074, 106
Concerto—070
Contec—194
Craig—194
Crosley—068
Crown—194
Curtis Mathes—180, 030, 044, 061, 065, 068, 070, 074, 107, 159, 168, 465
CXC—194
Daewoo—106, 465
Denon—159
Dumont—031
Electroband—014
Emerson—250, 168, 191, 192, 193, 194, 296, 477
Envision—044
Fisher—168
Fujitsu—193
Funai—185, 193, 194
Futuretech—194
GE—035, 061, 065, 107, 149, 192, 296, 465
Gilbrater—031, 044
GoldStar—044, 070, 192
Gradiente—067, 070
Grunpy—193, 194
Hallmark—192

**Brand—Codes**

Harley Davidson—193
Harvard—194
Hitachi—070, 159
Infinity—068
Inteq—031
Janeil—060
JBL—068
JCB—014
JVC—067
KEC—194
Kenwood—044
Kloss—060
KTV—044, 194
LG—070
Logik—030
Luxman—070
LXI—061, 068, 168, 170, 192
Magnavox—044, 068, 193
Majessti—030
Marantz—044, 068
Matsushita—264
Megatron—159, 192
Memorex—030, 070, 164, 168, 192, 264
MGA—044, 164, 192
Midland—031, 061, 065, 149
Minutz—035
Mitsubishi—107, 164, 192
Motorola—107
MTC—044, 070, 074
Multitech—194
NAD—180, 170, 192
NEC—044, 070
Nikko—044, 106, 192
NTC—106
Onwa—194
Optimus—180, 168, 264
Optonica—179, 107
Orion—250, 193, 477
Panasonic—065, 264
Penney—035, 044, 061, 065, 070, 074, 149, 170, 192
Philco—044, 068, 159, 477
Philips—068
Pilot—044
Pioneer—180
Portland—106
Prism—065
Proscan—061

**Brand—Codes**

Proton—192
Pulsar—031
Quasar—179, 065, 264
Radio Shack—179, 044, 061, 070, 168, 192, 194
RCA—061, 104, 149, 065, 107
Realistic—179, 044, 070, 168, 192, 194
Runco—053
Sampo—044
Samsung—044, 070, 074, 192
Sansei—465
Sansui—477
Sanyo—168
Scotch—192
Scott—250, 192, 193, 194
Sears—061, 068, 070, 168, 170, 185, 192, 193
Semivox—194
Semp—170
Sharp—179, 107
Signatur—030
Sony—014
Soundesign—192, 193, 194
Squareview—185
SSS—194
Starlite—194
Supre-Macy—060
Supreme—014
Sylvania—044, 068
Symphonic—185
Tandy—107
Tatung—069
Technics—065, 264
Technol Ace—193
Techwood—065, 070
Teknika—030, 068, 070, 074, 106, 164, 193, 194
Telefunken—070
TMK—070, 191, 192
Toshiba—074, 168, 170
Vector Research—044
Victor—067
Vidikron—068
Vidtech—192
Viking—060
Wards—030, 179, 035, 044, 068, 070, 192, 193
Yamaha—044
Zenith—030, 031, 106

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# VCR Setup Codes

**Brand—Codes**

Admiral—062
Adventura—014
Aiko—292
Aiwa—014, 051
Akai—055, 075, 120
American High—049
Asha—254
Audiovox—051
Beaumark—254
Bell & Howell—118
Brocksonic—016, 135, 198, 225
CCE—086, 292
Calix—051
Canon—049
Carver—095
Cineral—292
Citizen—051, 292
Colt—086
Craig—051, 061, 086, 254
Curtis Mathes—049, 055, 074, 176
Cybernex—254
Daewoo—059, 292
Denon—056
Dynatech—014
Electrohome—051
Electrophonic—051
Emerex—046
Emerson—014, 016, 051, 057, 075, 135, 198, 222, 225, 226, 292
Fisher—061, 068, 118
Fuji—047, 049
Funai—014
GE—062, 049, 074, 254
Garrard—014
GoldStar—051, 052
Gradiente—014
HI-Q—061
Harley Davidson—014
Harman/Kardon—052
Harwood—086
Headquarter—060
Hitachi—014, 055, 056, 119
JVC—081, 055
Jensen—055

**Brand—Codes**

KEC—051, 292
Kenwood—081, 052, 055
KLH—086
Kodak—049, 051
LXI—051
Lloyd's—014, 222
Logik—086
Magnasonic—292
Magnavox—014, 049, 053, 095
Magnin—254
Marantz—049, 095
Marta—051
Matsushita—049, 176
MEI—049
Memorex—060, 062, 014, 049, 051, 053, 061, 118, 176, 254
MGA—057, 075, 254
MGN Technology—254
Minotla—056, 119
Mitsubishi—081, 062, 057, 075
Motorola—062, 049
MTC—014, 254
Multitech—014, 086
NEC—81, 052, 055, 118
Nikko—051
Noblex—254
Olympus—049
Optimus—062, 051, 118, 176
Orion—016, 198
Panasonic—049, 176
Penney—049, 051, 052, 056, 068, 254
Pentax—056, 119
Philco—049
Philips—049, 095
Pilot—051
Pioneer—081, 176
Profitronic—254
Proscan—086
Protec—086
Pulsar—053
Quarter—060

**Brand—Codes**

Quartz—060
Quasar—049, 176
RCA—062, 049, 056, 074, 119, 120, 254
Radio Shack—014, 051
Radix—051
Randex—051
Realistic—060, 062, 014, 049, 051, 061, 118
Runco—053
Samsung—059, 254
Sanky—062, 053
Sansui—081, 014, 055
Sanyo—060, 061, 118, 254
Scott—057, 059, 135, 198, 255, 226
Sears—060, 014, 049, 051, 056, 061, 068, 118, 119
Semp—059
Sharp—062
Shintom—086
Shogun—254
Singer—086
Sony—047, 014, 046, 049
STS—056
Sylvania—014, 049, 057, 095
Symphonic—014
TMK—222, 254
Tatung—055
Teac—014, 055
Technics—049, 176
Teknika—014, 049, 051, 254
Thomas—014
Toshiba—057, 059, 226
Totevision—051, 254
Unitech—254
Vector—059
Vector Research—052
Video Concepts—059, 075
Videosonic—254
Wards—062, 014, 049, 056, 061, 074, 086, 095, 226, 254
White Westinghouse—292
XR-1000—014, 049, 086
Yamaha—052