

# AT2400 AllTouch® Remote Control



Bringing the Interactive Experience Home™

## 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 user is encouraged 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.



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Printed in USA www.scientificatlanta.com  
Part Number 749221 Rev B February 2002

## CBL Setup Codes

### About Cable Codes

Your cable service provider may have "locked" a valid cable code into your remote to keep you from unintentionally changing the cable code.

If you need to program the remote to operate a different device, use the following steps to unlock the remote.

1. Press and hold the **SELECT** key and the **CBL** key until the LED blinks twice.
2. Press **996**.
3. Press **CH-** to unlock the remote.

**Result:** You can now set up your CBL key with a different cable code.

### Cable Codes

You must enter all 4 digits to program the CBL mode key.

#### Brand—Code

General Instrument—0290, 0490, 0824  
Jerrold—0290, 0490, 0824  
Motorola—1120  
Panasonic—0121  
Pioneer—0547, 0891, 1891  
Scientific Atlanta—0491, 0891, 1891

## The Explorer eClub

The Explorer eClub is an online club that provides news about the Explorer DHCT and offers you a chance to win prizes and other premium items.

To join the Explorer eClub, you must enter the serial number of your DHCT. The number is located on a label on the bottom of your DHCT, and begins with S/N. Also, your cable service provider may need this number if your DHCT requires service. Write the serial number here:

S/N \_\_\_\_\_

You can access the Explorer eClub on the Internet at

[www.scientificatlanta.com/explorercub](http://www.scientificatlanta.com/explorercub)

## AUX Setup Codes

### Receiver Codes

<b>Brand—Code</b>	Panasonic—0053, ADC—0545 1532
Aiwa—1419, 0172, 1103	Philips—1103, 1203, 1283
Capetronic—0545	Pioneer—0545, 1037
Carver—1103, 1203	Proscan—1268
Denon—1174, 1118	Quasar—0053
JVC—0088	RCA—1268, 0545, 1037
Kenwood—0041, 1041, 1327, 1583, 1584	Sansui—1103 Sony—0172, 1172, 1072, 1272
MCS—0053	Sunfire—1327
Magnavox—1103, 0545, 1203	Technics—0053,
Marantz—1203, 1103, 0053	Thorens—1203 1322, 1532, 1323
Onkyo—0149	Victor—0088
Optimus—1037, 0545	Wards—0172 Yamaha—0190, 1190

### Amplifier Codes

<b>Brand—Code</b>	Philips—0906
GE—0092	Polk Audio—0906
Harman/Kardon— 0906	Realistic—0409 Sansui—0335
JVC—0345	Sony—0703
Luxman—0179	Soundesign—0092
Marantz—0335, 0906	Victor—0345
Nakamichi—0335	Wards—0092
Optimus—0409	Yamaha—0368

### Home Automation Codes

<b>Brand—Code</b>
GE—0254
One For All—0181
Radio Shack—0254
Security System—0181
Universal X10—0181 X10—0181

### Additional Audio Codes

These codes allow you to program your remote to control cable radio set-top devices.

<b>Brand—Code</b>
Jerrold—0473, 0534
Scientific Atlanta—0474
Starcom—0473

## About Your Remote

Your new AT2400 AllTouch® Remote Control ("remote") functions as four remotes in one to operate your TV, VCR, cable set-top device, or CD player. If you prefer, you can program the AT2400 AllTouch Remote Control to operate additional electronic devices, such as a stereo receiver, a DVD player, or a home automation device.

For information about the keys on the remote, go to the **Quick Reference** section of this guide.

**Note:** If you have questions or concerns about the operation of this remote, contact your cable service provider.

### Batteries

The remote requires two alkaline AA batteries. When batteries are properly installed, the LED on the remote blinks each time a button is pressed.

**Important Reminder:** A diagram in the battery compartment of the remote indicates proper placement of the batteries.

### Mode Keys and Setup Codes

**Q:** What are mode keys?

**A:** The mode keys switch the remote to operate a particular device. These four keys are located at the top of the remote.



**Q:** What are setup codes?

**A:** Setup codes are numeric codes that identify your brand of equipment so that the remote can operate that device.

**Important Reminder:** The AT2400 AllTouch Remote Control is not a toy. It should be kept out of the reach of children under the age of 6 years.

## Setting Up Your Remote

### To Set Up a Mode Key

The mode keys are programmed with most of the popular brands of electronic devices, so before you perform this procedure, test each mode key.

To test the mode key, turn on your device, press the mode key for that device, and then press **POWER** on the remote to verify that the power to the device turns off.

If the device does not turn off, then the mode key may not be set up. Follow these steps to set up a mode key:

1. Find the code for your brand of device in one of the setup code lists in this guide.
2. Make sure that the device is turned on.
3. Press and hold the **SELECT** key and the appropriate mode key for that device until the LED (the light at the top of the remote) blinks twice. For example, to set up the VCR key, press and hold **SELECT** and **VCR**.
4. Enter the setup code for the device.  
**Note:** The setup codes for each mode key appear on the front and the back of this guide.
5. Point the remote toward the device.
6. Press **POWER**, **PLAY**, or **CH+** to test the device.
7. Did the device operate correctly?
  - If **yes**, go to step 8.
  - If **no**, repeat steps 3 through 6 using a different setup code.
8. Repeat steps 1 through 6 for each mode key that you want to set up.
9. Write down your codes for future reference:

AUX: \_\_\_\_\_ VCR: \_\_\_\_\_

TV: \_\_\_\_\_ CBL: \_\_\_\_\_

### To Search for Codes

If none of the codes listed for your device work, you can search through the code library for a valid code. The remote automatically selects the proper code.

1. Turn on the device.
2. Hold down the **SELECT** key and the appropriate mode key (AUX, VCR, TV, or CBL) until the LED blinks twice. For example, to search for a TV code, hold down **SELECT** and **TV**.
3. Using the keypad on the remote, press **991**. The LED blinks once.
4. Point the remote toward the device, and press the **POWER** key.
5. Did the device turn off?
  - If **no**, press the up arrow key to go to the next code, and return to step 4.
  - If **yes**, press **SELECT** to confirm the code.

**Note:** The LED on the remote blinks three times when you reach the end of the code library. Each of the code libraries contains fewer than 80 codes.

### To Identify Programmed Codes

You can find out which code you used to program your device by using the following procedure.

1. Hold the **SELECT** key and the appropriate mode key (AUX, VCR, TV, or CBL) until the LED blinks twice.
2. Using the keypad on the remote, press **990**. The LED blinks twice.
3. Press **1**; then, count the LED blinks. The number of LED blinks indicates the first digit in the code. For example, 4 blinks indicates the first digit in the code is 4. If the LED does not blink, the digit is 0.
4. Press **2**; then, count the LED blinks. The number of blinks indicates the second digit in the code.
5. Press **3**; then, count the LED blinks. The number of blinks indicates the third digit in the code.

6. Press **4**; then, count the LED blinks. The number of blinks indicates the fourth digit in the code.

7. Write down your codes in the **To Set Up a Mode Key** section.

### To Program for Volume Control

You can program your Volume and Mute keys to function in one of two ways:

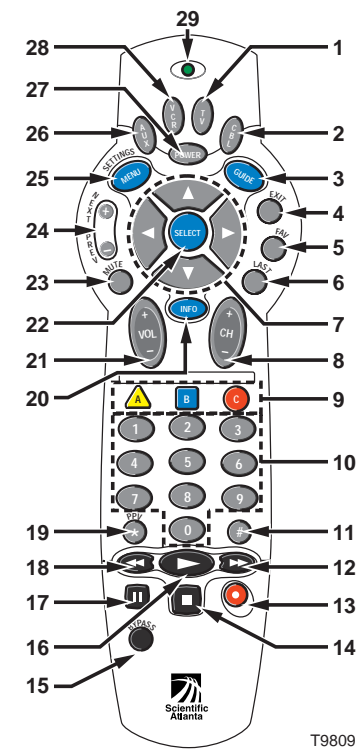
- To control the volume on a single device all the time
- To control the volume on each device, depending on the mode key that you press

**Note:** The default setting is to control volume through your TV all the time.

Follow these steps to change the way your Volume and Mute keys function.

1. Turn on the appropriate device.
2. If you have an Explorer® Digital Home Communication Terminal (DHCT), use the **SETTINGS** button to go to the General Settings menu on-screen, and make sure that the Audio: Volume Control setting is set to "Variable."
3. Hold the **SELECT** key and the appropriate mode key (AUX, VCR, TV, or CBL) until the LED blinks twice.
4. Using the keypad on the remote, press **993**. The LED blinks twice.
5. Do you want the Volume and Mute keys to operate a single device all the time?
  - If **yes**, press the mode key for the device that you want to control the volume.
  - If **no**, press the **VOL -** key to control the volume through various devices based on the mode key.
6. Point the remote *toward* the device and confirm that the Volume and Mute keys function as expected.

## Quick Reference



### Mode

- 1 TV Mode Key
- 2 Cable Mode Key
- 26 AUX Mode Key
- 28 VCR Mode Key

### Sound

- 21 Adjusts volume
- 23 Mutes sound

### Device Control

- 27 POWERS on or off
- 29 LED
- 15 Functions as follows:
  - In VCR mode, switches TV/VCR input
  - In TV mode, switches TV/Video input
  - In CBL mode, controls Bypass option

### Viewing and Browsing Control

- 11 Functions vary by cable service provider
- 9 Selects options in menus and IPG
- 3 Displays interactive guide
- 25 Displays cable settings or menu
- 7 Moves through selections
- 22 Selects and deselects screen item
- 20 Displays channel and program information
- 8 Selects channels, up or down
- 5 Views favorite channels
- 6 Returns to last channel viewed
- 10 Enters channel numbers (also enters your parental control PIN)
- 19 Features vary by cable service provider; some provide access to pay-per-view features. **Note:** Explorer DHCTs provide access through on-screen options.
- 24 Navigates through IPG or settings
- 4 Exits settings, menus, and guides

### VCR/VOD Control

- Note:** In VCR mode, these keys control your VCR.
- 12 Fast forwards VCR/VOD
  - 13 Records program
  - 14 Stops VCR/VOD
  - 16 Plays VCR/VOD
  - 17 Pauses VCR/VOD
  - 18 Rewinds VCR/VOD

## TV Setup Codes

Enter all 4 digits to program the TV mode key.

Brand—Code	Code	Brand—Code	Code	Brand—Code	Code
AOC—0033, 0044	193	Funai—0194, 0185,	0193	Minutz—0035	Sansui—0477
Admiral—0107, 0477	Futurtech—0194	Aiko—0106	GE—0035, 0061,	Mitsubishi—0164,	Sanyo—0168
Aiwa—0715	1361, 0065, 0192,	Akai—0044	0465, 1161, 0107,	Motorola—0107	Scimitus—0033
Alaron—0193	0761	American Action—0194	0761	Multitech—0194	Scott—0250, 0033,
Ampro—0765	Gibraltar—0031, 0033,	Amr—0044	0044	NAD—0170, 0180,	0192, 0193, 0194
Anam—0194	0044	Arc—0044	0044	NEC—0044, 0033,	0170, 0061, 0068,
Audiovox—0106,	0044, 0070	Arc—0044	0044	0070	0185, 0192, 0193,
0194, 0465, 0637	GoldStar—0192, 0033,	Baysonic—0194	0044, 0070	NTC—0106	0761
Belcor—0033	0067	Belcor—0033	0067	Nikko—0192, 0044,	Semivox—0194
Bell & Howell—0030,	0067	Belcor—0033	0067	0106	Semp—0170
0168	Grunpy—0193, 0194	Braden—0033	0193, 0194	Onwa—0194	Sharp—0107, 0702
Bradford—0194	Hallmark—0192	Brookwood—0033	0192	Optimus—0264, 0180,	Shogun—0033
Brockwood—0033	Harley Davidson—0193	Broksonic—0250,	0477	0168	Signature—0030
0477	Harman/Kardon—0068	CXC—0194	0068	Optonica—0107	Sony—0014, 0125
Candle—0044, 0070	Harvard—0194	Carnivale—0044	0070	Orion—0477, 0193,	Soundesign—0192,
Carver—0068	Hitachi—0159, 0070,	Celebrity—0014	0030	0250	0193, 0194
Cineral—0465, 0106	0030	Citizen—0070, 0044,	0030	Panasonic—0065,	Squareview—0185
0074, 0106	0030	Concerto—0070	0030	0264	Starlite—0194
Contec—0194	0030	Craig—0194	0030	Penney—0061, 1361,	Supreme—0014
Crosley—0068	0030	Crown—0194	0030	0074, 0044, 0035,	Sylvania—0068, 0044
Curtis Mathes—0074,	0030	CX—0194	0030	0192, 0065, 0033,	Symphonic—0185,
0044, 0030, 0061,	0030	Daewoo—0106, 0637,	0030	0070, 0170, 0761	0194
0065, 0068, 0070,	0030	0637, 0638, 0465	0030	Philco—0159, 0033,	TMK—0070, 0192
0107, 0159, 0168,	0030	Daytron—0033	0030	0044, 0068, 0477	TNCi—0031
0180, 0465, 0761,	0030	Denon—0159	0030	0044, 0068, 0477	Tandy—0107
1161, 1361	0030	Dumont—0031, 0033	0030	0044, 0068, 0477	Technics—0065, 0264
Daewoo—0106, 0637,	0030	Dwin—0788	0030	0044, 0068, 0477	Technol Ace—0193
0033, 0638, 0465	0030	Electroband—0014	0030	0044, 0068, 0477	Techwood—0065,
Logik—0030	0030	Emerson—0250,	0030	0044, 0068, 0477	0070
Luxman—0070	0030	0194, 0192, 0193,	0030	0044, 0068, 0477	Teknika—0030, 0068,
MGA—0164, 0033,	0030	0477, 0638, 0637,	0030	0044, 0068, 0477	0193, 0194, 0033,
0044, 0192	0030	0033, 0168	0030	0044, 0068, 0477	0106, 0070, 0074,
MTC—0074, 0044,	0030	Envision—0044	0030	0044, 0068, 0477	0164
0033, 0070	0030	Fisher—0168	0030	0044, 0068, 0477	Telefunken—0070
Magnavox—0068,	0030	Fujitsu—0193	0030	0044, 0068, 0477	Toshiba—0170, 0074,
0044, 0193, 1268	0030		0030	0044, 0068, 0477	0168, 1270
Majestic—0030	0030		0030	0044, 0068, 0477	Vector Research—0044
Marantz—0068, 0044	0030		0030	0044, 0068, 0477	Victor—0067
Matsushita—0264	0030		0030	0044, 0068, 0477	Vidikron—0068
Megatron—0159,	0030		0030	0044, 0068, 0477	Vidtech—0033, 0192
0192	0030		0030	0044, 0068, 0477	Wards—0068, 0192,
Memorex—0193,	0030		0030	0044, 0068, 0477	0030, 0125, 0033,
0477, 0192, 0030,	0030		0030	0044, 0068, 0477	0035, 0044, 0070,
0070, 0164, 0168,	0030		0030	0044, 0068, 0477	0193
0264	0030		0030	0044, 0068, 0477	White Westinghouse—0638, 0637, 0477
Samsung—0074, 0033,	0030		0030	0044, 0068, 0477	Yamaha—0033, 0044
0192, 0044, 0070	0030		0030	0044, 0068, 0477	Zenith—0031, 0638,
Sansei—0465	0030		0030	0044, 0068, 0477	0030, 0106, 0477

## VCR Setup Codes (for VCRs, DVDs, and CD players)

Use the VCR mode key to program your VCR, DVD, or CD player.

Enter all 4 digits to program the VCR mode key.

### VCR Codes

Brand—Code	Code	Brand—Code	Code	Brand—Code	Code
Funai—0014	0014	Memorex—0118,	0018	Pulsar—0053	0053
GE—0049, 0074,	0049	0061, 0493, 0014,	0061	Sylvania—0049, 0095,	0049
0062, 0254, 0774	0062	0051, 0062, 0049,	0051	0014, 0057	0014
Admiral—0062, 0223	0062	0254, 1051, 0053,	0254	Symphonic—0014	0014
Adventura—0014	0014	0176, 0223, 1176,	0176	TMK—0254	0254
Aiwa—0014, 0051	0014	1276	1276	Tatung—0055	0055
Akai—0055	0055	Minolta—0056	0056	Teac—0014, 0055	0014
American High—0049	0049	Radio Shack—0014,	0014	Technics—0049, 0176	0049
Asha—0254	0254	1051	1051	Teknika—0014, 0049,	0014
Audiovox—0051	0051	Radix—0051	0051	0051	0051
Beaumarck—0254	0254	Randex—0051	0051	Thomas—0014	0014
Bell & Howell—0118	0118	Realistic—0014, 0118,	0118	Tivo—0632, 0650	0632
0055	0055	0061, 0062, 0051,	0061	Toshiba—0059, 0057	0059
Broksonic—0135,	0135	0049	0049	Totevision—0051,	0051
0198, 0223, 0493	0198	ReplayTV—0628,	0628	0254	0254
CCE—0086	0086	0630	0630	Unitech—0254	0254
Calix—0051	0051	Runco—0053	0053	Vector—0059	0059
Canon—0049	0049	STS—0056	0056	Video Concepts—0059	0059
Carver—0095	0095	Samsung—0059, 0254	0059	Videosonic—0254	0254
Citizen—0051	0051	0051, 0062, 1276,	0051	Wards—0049, 0074,	0049
Colt—0086	0086	0051, 1062, 0118	0051	0014, 0061, 0254,	0014
Craig—0051, 0086,	0051	Sanky—0053, 0062	0053	0056, 0062, 0086,	0056
0061, 0254	0061	Sansui—0055, 0493,	0055	0095, 0774	0095
Curtis Mathes—0049,	0049	0014, 0081, 0223	0014	White Westinghouse—0086, 0223	0086
0055, 0074, 0176,	0055	Sanyo—0061, 0118,	0061	0086, 0223	0086
0774	0774	0254	0254	XR—1000—0086,	0086
Cybernex—0254	0254	Scott—0198, 0135,	0198	0014, 0049	0014
Daewoo—0059	0059	0057, 0059	0057	Zenith—0053, 0014,	0053
Denon—0056	0056	Sears—0051, 0056,	0051	0047, 0223, 0493	0047
Dynatech—0014	0014	0014, 0049, 0061,	0014		
Electrohome—0051	0051	0118	0118		
Electrophonic—0051	0051	Semp—0059	0059		
Emerex—0046	0046	Sharp—0062	0062		
Emerson—0198,	0198	Shintom—0086	0086		
0223, 0135, 0493,	0223	Shogun—0254	0254		
0014, 0051, 0057	0014	Singer—0086	0086		
Fisher—0061, 0118	0061	Sony—0047, 0046,	0047		
Fuji—0047, 0049	0047	0014, 0049, 0650,	0014		
		1046	1046		
		Protec—0086	0086		

### DVD Codes

Brand—Code	Code
Apex—0686	0686
Denon—0504	0504
Fisher—0684	0684
GE—0536	0536
Gradiente—0665	0665
Hitachi—0587, 0678	0587
Hiteker—0686	0686
JVC—0637, 0572	0637
Kenwood—0548	0548
Magnavox—0517,	0517
0689	0689
Marantz—0553	0553
Mitsubishi—0535	0535
Onkyo—0517	0517
Optimus—0585	0585
Oritron—0665	0665
Panasonic—0504,	0504
0646	0646
Philips—0553, 0517	0553
Pioneer—0585, 0539,	0585
0646	0646
Proscan—0536	0536
RCA—0536, 0585	0536
Samsung—0587	0587
Sharp—0644	0644
Sony—0547	0547
Technics—0504	0504
Theta Digital—0585	0585
Toshiba—0517	0517
Yamaha—0504, 0559	0504
Zenith—0605, 0517	0605

### CD Codes

Brand—Code	Code
Aiwa—0171	0171
California Audio Labs—0043	0043
Carver—0171, 0193	0171
DKK—0014	0014
Denon—0887	0887
Fisher—0193	0193
Genexxa—0046	0046
Harman/Kardon—0171, 0187	0171
Hitachi—0046	0046
JVC—0086	0086
Kenwood—0042,	0042
0840, 0051, 0640,	0840
0695	0695
Krell—0171	0171
Linn—0171	0171
MCS—0043	0043
Magnavox—0171	0171
Marantz—0171, 0640,	0171
0043	0043
Mission—0171	0171
NSM—0171	0171
Onkyo—0882	0882

Setup codes for the AUX and CBL mode keys are located on page 7 of this guide.

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