



# 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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## 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/explorerclub](http://www.scientificatlanta.com/explorerclub)

## AUX Setup Codes

### Receiver Codes

- Brand—Code**
- Panasonic—0053, 1532
  - ADC—0545
  - 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
  - Magnavox—1103, 0545, 1203
  - Sunfire—1327
  - Marantz—1203, 1103, 0053
  - Technics—0053, 1322, 1532, 1323
  - Onkyo—0149
  - Thorens—1203
  - Victor—0088
  - Optimus—1037, 0545
  - Wards—0172
  - Yamaha—0190, 1190

### Amplifier Codes

- Brand—Code**
- 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

- Brand—Code**
- 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.

- Brand—Code**
- 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 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.
- Note:** If all of the codes listed for your brand of device fail to operate your device properly, go to the **To Search for Codes** section of this guide for instructions.
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:

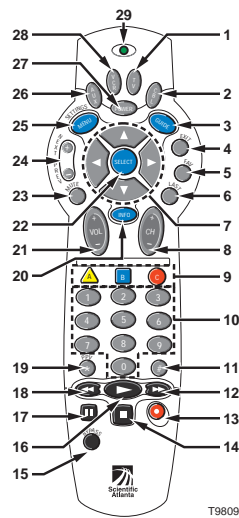
- To control the volume on a single device all the time
- To control the volume on each device, depending on the mode key that you press

**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



### Viewing and Browsing Control

- 11 # Functions vary by cable service provider
- 9 **▲** **▶** **◀** **▼** Selects options in menus and IPG
- 3 **GUIDE** Displays interactive guide
- 25 **SETTINGS** **MENU** Displays cable settings or menu
- 7 **▶** Moves through selections
- 22 **SELECT** Selects and deselects screen item
- 20 **INFO** Displays channel and program information
- 8 **CH** Selects channels, up or down
- 5 **FAP** Views favorite channels
- 6 **LAST** Returns to last channel viewed
- 10 **0-9** Enters channel numbers (also enters your parental control PIN)
- 19 **PPV** 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 **EXIT** Exits settings, menus, and guides

### Mode

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

### Sound

- 21 **VOLUME** Adjusts volume
- 23 **MUTE** Mutes sound

### Device Control

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

### 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	Funai-0194, 0185, 0193	Minutz-0035	Sansui-0477		
Admiral-0107, 0477	Futuretech-0194	Mitsubishi-0164, 0192, 0033, 0107	Sanyo-0168		
Aiko-0106	GE-0035, 0061, 1361, 0065, 0192, 0465, 1161, 0107, 0761	Motorola-0107	Scimitsu-0033		
Aiwa-0715	NAD-0170, 0180, 0192	Multitech-0194	Scotch-0192		
Akai-0044			Scott-0250, 0033, 0192, 0193, 0194		
Alaron-0193	Gibraltar-0031, 0033, 0044	NEC-0044, 0033, 0070	Sears-0168, 0070, 0170, 0061, 0068, 0185, 0192, 0193, 0761		
America Action-0194	GoldStar-0192, 0033, 0044, 0070	NTC-0106	Semivox-0194		
Ampro-0765	Gradiente-0070, 0067	Nikko-0192, 0044, 0106	Semp-0170		
Anam-0194	Grundy-0193, 0194	Optimus-0264, 0180, 0168	Sharp-0107, 0702		
Audiovox-0106, 0194, 0465, 0637	Hallmark-0192	Optonica-0107	Shogun-0033		
Baysonic-0194	Harley Davidson-0193	Orion-0477, 0193, 0250	Signature-0030		
Belcor-0033	Harman/Kardon-0068	Onwa-0194	Sony-0014, 0125		
Bell & Howell-0030, 0168	Harvard-0194	Panasonic-0065, 0264	Soundesign-0192, 0193, 0194		
Bradford-0194	Hitachi-0159, 0070, 0030	Penney-0061, 1361, 0074, 0044, 0035, 0192, 0065, 0033, 0070, 0170, 0761	Squareview-0185		
Brockwood-0033	Infinity-0068	Pioneer-0180, 0693	Starlite-0194		
Broksonic-0250, 0477	Inteq-0031	Portland-0033, 0106	Supreme-0014		
CXC-0194	JBL-0068	Princeton-0731	Sylvania-0068, 0044		
Candle-0044, 0070	JCB-0014	Prism-0065	Symphonic-0185, 0194		
Carnivale-0044	JVC-0067	Proscan-0061, 0761	TMK-0070, 0192		
Carver-0068	KEC-0194	Proton-0192	TNCi-0031		
Celebrity-0014	KTV-0194, 0044	Pulsar-0031, 0033	Tandy-0107		
Cinaler-0465, 0106	Kenwood-0044, 0033	Quasar-0065, 0264	Technics-0065, 0264		
Citizen-0070, 0044, 0074, 0106	Konka-0721, 0646, 0642, 0652, 0717	RCA-0061, 1361, 1161, 0693, 1261, 0033, 0065, 0104, 0107, 0761, 1061, 1461	Technol Ace-0193		
Concerto-0070	LG-0070	RCA-0061, 1361, 1161, 0693, 1261, 0033, 0065, 0104, 0107, 0761, 1061, 1461	Techwood-0065, 0070		
Contec-0194	LXI-0168, 0061, 0068, 0170, 0192, 0761	Realistic-0194, 0168, 0044, 0192, 0033, 0070	Teknika-0030, 0068, 0193, 0194, 0033, 0106, 0070, 0074, 0164		
Craig-0194	Magnavox-0068, 0044, 0193, 1268	Runco-0617, 0031, 0044	Telefunken-0070		
Crosley-0068	Majestic-0030	Samsung-0074, 0033, 0192, 0044, 0070	Toshiba-0170, 0074, 0168, 0170		
Crown-0194	Marantz-0068, 0044	Sampo-0044	Vector Research-0044		
Curtis Mathes-0074, 0044, 0030, 0061, 0065, 0068, 0070, 0107, 0159, 0168, 0180, 0465, 0761, 1161, 1361	Matsushita-0264	Sansui-0475, 0033, 0194	Victor-0067		
Daewoo-0106, 0637, 0033, 0638, 0465	Megatron-0159, 0192	Sharp-0074, 0033, 0192, 0030, 0070, 0164, 0168, 0264	Vidikron-0068		
Daytron-0033	Memorex-0193, 0477, 0638, 0637, 0033, 0168	Sanyo-0074, 0033, 0192, 0044, 0070	Videotech-0033, 0192		
Denon-0159	Midland-0031, 0061, 0065, 0761	Sansui-0465	Wards-0068, 0192, 0030, 0125, 0033, 0035, 0044, 0070, 0193		
Dumont-0031, 0033	Fujitsu-0193		White Westinghouse-0638, 0637, 0477		
Dwin-0788			Yamaha-0033, 0044		
Electroband-0014			Zenith-0031, 0638, 0030, 0106, 0477		
Emerson-0250, 0194, 0192, 0193, 0477, 0638, 0637, 0033, 0168					
Envision-0044					
Fisher-0168					

## 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.

Brand-Code	Code	Brand-Code	Code	Brand-Code	Code
Funai-0014	Memorex-0118, 0061, 0493, 0014, 0051, 0062, 0049, 0254, 1051, 0053, 0176, 0223, 1176, 1276	Pulsar-0053	Quasar-0049, 0176, 1176	Sylvania-0049, 0095, 0014, 0057	
Admiral-0062, 0223	Garrard-0014	RCA-0074, 0056, 0049, 0062, 0254, 0774		Symphonic-0014	
Adventura-0014	GoldStar-0051			TMK-0254	
Aiwa-0014, 0051	Gradiente-0014			Tatung-0055	
Akai-0055	HI-Q-0061	Radio Shack-0014, 1051		Teac-0014, 0055	
American High-0049	Harley Davidson-0014			Technics-0049, 0176	
Asha-0254	Harman/Kardon-0095	Radix-0051		Teknika-0014, 0049, 0051	
Audiovox-0051	Harwood-0086	Realistic-0014, 0118, 0049		Thomas-0014	
Beaumont-0254	Hitachi-0056, 0014, 0055			Tivo-0632, 0650	
Bell & Howell-0118	Hughes Network Systems-0056	ReplayTV-0628, 0630		Toshiba-0059, 0057, 0051	
Broksonic-0135, 0198, 0223, 0493	JVC-0081, 0055	Runco-0053		Totevision-0051, 0254	
CCE-0086	Jensen-0055	STS-0056		Unitech-0254	
Calix-0051	KEC-0051	Samsung-0059, 0254, 0051, 1062, 0118		Vector-0059	
Canon-0049	KLH-0086	Sansui-0055, 0493, 0014, 0081, 0223		Video Concepts-0059	
Carver-0095	Kenwood-0055, 0081	Sanyo-0061, 0118, 0254		Videosonic-0254	
Citizen-0051	Kodak-0049, 0051			Wards-0049, 0074, 0014, 0061, 0254, 0056, 0062, 0086, 0095, 0774	
Colt-0086	LXI-0051			White Westinghouse-0086, 0223	
Craig-0051, 0086, 0061, 0254	Lloyd's-0014	Scott-0198, 0135, 0057, 0059		XR-1000-0086, 0014, 0049	
Curtis Mathes-0049, 0055, 0074, 0176, 0774	Logik-0086	Sears-0051, 0056, 0014, 0049, 0061, 0118		Zenith-0053, 0014, 0047, 0223, 0493	
Cybernex-0254	MEL-0049	Semp-0059			
Daewoo-0059	MGA-0057, 0254	Sharp-0062			
Denon-0056	MGN Technology-0254	Shintom-0086			
Dynatech-0014	MTC-0014, 0254	Shogun-0254			
Electrohome-0051	Magnavox-0049, 0095, 0014, 0053	Singer-0086			
Electrophonic-0051	Magnin-0254				
Emerex-0046	Marantz-0095, 0049				
Emerson-0198,					

### DVD Codes

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

### CD Codes

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

Optimus-0046, 0193, 1077, 0014, 0051	
Panasonic-0043	
Philips-0171, 0640	
Pioneer-0046, 1076, 1077	
Polk Audio-0171	
Proton-0171	
QED-0171	
Quasar-0043	
RCA-0046, 1076, 0193	
Realistic-0193	
Rotel-0171	
SAE-0171	
Sansui-0171	
Sanyo-0193	
Sharp-0051, 0875	
Sherwood-1081	
Sonic Frontiers-0171	
Sony-0014, 0504	
Technics-0043	
Victor-0086	
Wards-0171	
Yamaha-0902	

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