

About Your Remote

Your new AT8400™ AllTouch® Remote Control ("remote") functions as four remote controls in one to operate your TV, VCR, cable set-top device (CBL), and an additional device (AUX), such as a stereo receiver or an amplifier.

In addition, the remote provides advanced features such as Personal Video Recorder (PVR) controls for certain cable set-top devices and the Picture-In-Picture (PIP) feature.

The CH▲, CH▼, and number keys are locked to control your CBL device while Vol▲, Vol▼, and Mute are locked to control your TV. All other features are based on the last mode you selected. As a universal remote, the AT8400 AllTouch remote reduces your need to keep up with several remote controls. Want to control your VCR? Don't bother looking for your VCR remote. Just press the VCR mode key on your AT8400 remote and program your VCR as desired.

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. A diagram inside 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.



Q: What are setup codes?

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

CAUTION: The AT8400 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

The mode keys are programmed with most of the popular brands of electronic devices. Therefore, before you perform these procedures, you should test each mode key to see if it is already programmed.

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

To Set Up a Mode Key

Follow these steps to set up a mode key:

1. Find the code(s) for your brand of device in one of the setup code lists in this guide.
2. Turn on your device.
3. Press and hold the **SELECT** key and the appropriate mode key for that device until all the mode keys blink twice. For example, to set up the VCR key, press and hold **SELECT** and **VCR**.
4. Enter the setup code for the device. The mode keys blink twice to indicate that the code was accepted.

Notes:

- The setup codes for each mode key appear on both the front and the back of this guide.
 - As you press each digit in the setup code, the mode key should blink. If the mode key does not blink, the remote did not accept the digit. Enter that digit again.
5. Point the remote control toward the device and press **POWER**, **▶ (Play)**, or **CH▲** to test the device.
 6. Did the device operate correctly?
 - If **yes**, go to step 7.
 - If **no**, repeat steps 3 through 5 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.

7. Repeat steps 1 through 5 for each mode key you want to set up.
8. Write your codes here for future reference:

CBL: _____ TV: _____

VCR: _____ AUX: _____

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.

1. Turn on the device.
2. Press and hold the **SELECT** key and the appropriate mode key (**AUX**, **VCR**, **TV**, or **CBL**) until the mode keys blink twice. For example, to search for a TV code, press and hold **SELECT** and **TV**.
3. Using the remote control keypad, press **9-9-1**. The mode keys blink twice. **Note:** Be careful not to press these keys too quickly. As you press each digit, the mode key should blink.
4. Point the remote toward the device, and press **▶ (Play)**.

The remote automatically tests each code in its library, beginning with the most common codes. The mode key blinks once each time the remote transmits a new code.

Note: Each of the code libraries contains fewer than 100 codes. The mode key blinks twice when it reaches the last code in the library.

5. As soon as the device powers down, press the **SELECT** key.
6. Verify that the new code is correct by pressing the **POWER** key.
7. Did the device power on again?
 - If **yes**, press the **SELECT** key to lock the code.
 - If **no**, complete the following steps:
 - a) Turn the TV on.
 - b) Press **CH▲** or **CH▼** to step forward or back to the correct code.
 - c) When the TV turns off, press **SELECT** to lock the code.

To Identify Programmed Codes

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

1. Press and hold the **SELECT** key and the appropriate mode key (**AUX**, **VCR**, **TV**, or **CBL**) until the mode keys blink twice.
2. Using the remote control keypad, press **9-9-0**. The mode keys blink twice. **Note:** Be careful not to press these keys too quickly. As you press each digit, the mode key should blink.
3. Press **1**; then, count the number of times the mode key blinks. That number indicates the first digit in the code. For

example, 4 blinks indicates the first digit in the code is 4. If the mode key does not blink, the digit is 0.

4. Press **2**; then, count the number of blinks. That number indicates the second digit in the code.
5. Press **3**; then, count the number of blinks. That number indicates the third digit in the code.
6. Press **4**; then, count the number of blinks. That number indicates the fourth digit in the code.
7. Write your codes for future reference in the space provided in this guide.

To Program for Volume Control

You can program the remote to control the volume and mute functions through any of the devices that it controls. The default is to control volume only through your TV.

Note: For Explorer Digital Home Communication Terminals (DHCTs), 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."

1. Turn on the device.
2. Press and hold the **SELECT** key and the **CBL** key until the mode keys blink twice.
3. Using the remote control keypad, press **9-9-3**. The mode keys blink twice. **Note:** Do not press these keys too quickly. As you press each digit, the mode key should blink.
4. Press the mode key for the device you want to control the volume.
5. Point the remote *toward* the device and adjust the volume to confirm that the Volume and Mute keys function as expected.

To Join The Explorer eClub

The Explorer eClub is an online club that provides news and information 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 either on the back panel or on the bottom of your DHCT and begins with S/N. Write the serial number here: _____

You can access the Explorer eClub on the Internet at the following Internet site: www.scientificatlanta.com/explorerclub

CBL Setup Codes

About Cable Codes

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

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 **9-9-6**. **Note:** As you press each digit, the mode key should blink.
3. Press **CH▼** to unlock the remote.

Result: You can now set up your CBL key with a different cable code using the set-up mode key.

Enter all 4 digits to program the CBL mode key.

Cable Codes

Brand	Code
ABC	0004
Contec	0008
G.I.	0011, 0012
Gold Star	0010
Jerrold	0007, 0011, 0012, 0015
Memorex	0006
Motorola	0011, 0012
Panasonic	0006, 0009
Pace	0000, 0001, 0002, 0003
Paragon	0006
Pioneer	0010, 0014
Pulsar	0006
Quasar	0006
Runco	0006
Scientific-Atlanta	0000, 0001, 0002, 0003, 0004, 0005, 0016
Samsung	0010
Starcom	0011
Tocom	0007
Toshiba	0006
Zenith	0006, 0013

Satellite Codes

Brand	Code
Echostar	0021
Hughes	0017, 0020
Mitsubishi	0020
RCA	0018
Sony	0019

AUX Setup Codes

Enter all 4 digits to program the AUX mode key.

Receiver Codes

Brand	Code
ADC	3012
Aiwa	3000, 3006, 3008, 3015, 3024, 3047, 3048, 3049, 3050, 3051, 3059, 3060, 3061, 3062
Capetronic	3012
Carver	3000, 3019
Denon	3016, 3018, 3063, 3064
Harman Kardon	3000, 3005, 3065
JBL	3005
JVC	3004, 3052, 3066
Kenwood	3002, 3013, 3023, 3026, 3053
Linn	3000
Magnavox	3000, 3012
Marantz	3000, 3003, 3070
MCS	3003
Onkyo	3007, 3068
Optimus	3012, 3027
Panasonic	3003, 3010, 3025
Philips	3000
Pioneer	3001*, 3012, 3067
Quasar	3003
RCA	3012, 3054
Sansui	3000
Sherwood	3011
Sony	3008, 3014, 3017, 3020, 3055, 3056
Technics	3003, 3010, 3021, 3022
Victor	3004
Wards	3000, 3001*, 3008
Yamaha	3009, 3057, 3058, 3069

Amplifier Codes

Brand	Code
Aiwa	3207
Carver	3202
Curtis Mathes	3203
Denon	3201
JVC	3205*
Linn	3202
Magnavox	3202
Marantz	3203
Panasonic	3202, 3204
Philips	3202
Pioneer	3200, 3203
Sony	3208
Technics	3202, 3204
Victor	3205*
Wards	3200
Yamaha	3206

Additional Audio Codes

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

Brand	Code
Jerrold	3400, 3402
Scientific-Atlanta	3401
Starcom	3400

Home Automation Codes

Brand	Code
GE	3601
Radio Shack	3601
X10	3600

* Use the Vol keys (instead of Power) to confirm whether this code works.

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.

This symbol is intended to alert you of the presence of important operating and maintenance (servicing) instructions in the literature accompanying this product.



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AT8400™ AllTouch® Remote Control Rev B User's Guide



TV Setup Codes

Enter all 4 digits to program the TV mode key.

Brand	Code	Brand	Code	Brand	Code
Aiko	1012	GE	1004, 1006, 1007, 1013, 1021, 1026, 1027, 1034, 1036, 1047, 1060, 1061, 1062, 1079	Scimitsu	1003
Abex	1066			Scotch	1021, 1063
Admiral	1013, 1028, 1075			Scott	1003, 1021, 1022, 1023, 1024
Akai	1005			Sears	1000, 1006, 1009, 1016, 1017, 1020, 1021, 1022, 1053, 1055, 1056, 1065
Alaron	1022	Gibraltar	1002, 1003, 1005, 1063	Semivox	1023
American Action	1023	Goldstar	1003, 1005, 1009, 1021, 1064, 1066	Semp	1017
Anam	1023, 1079	Gradiente	1008, 1009	Sharp	1013, 1018, 1031, 1051, 1063, 1064
AOC	1003, 1005, 1048	Grundig	1064	Shogun	1003
Audiovox	1012, 1023, 1027, 1029	Grunpy	1022, 1023	Signature	1075
Baysonic	1023	Hallmark	1021	Sony	1001, 1042
Belcor	1003	Hardvard	1023	Sounddesign	1021, 1022, 1023
Bell & Howell	1016, 1075	Harley Davison	1022	Squareview	1020
Bradford	1023	Harman Kardon	1000	SSS	1003, 1023
Brocksonic	1024, 1028	Hitachi	1009, 1014, 1063, 1065	Starlite	1023
Brockwood	1003	Infinity	1000, 1077	Supreme	1001
Candle	1005, 1009	Inteq	1002	Sylvania	1000, 1005, 1049, 1050, 1054, 1058, 1059, 1077
Carnivale	1005	JBL	1000, 1077	Symphonic	1020
Carver	1000	JCB	1001	Tandy	1013
Celebrity	1001	JVC	1008, 1060, 1063, 1065	Tatung	1079
Cineral	1012, 1027	JVC RMC383	1043	Technics	1007, 1025, 1060, 1063
Citizen	1005, 1009, 1010, 1012, 1044, 1046, 1064	Proton	1021, 1063	Technol Ace	1022
Concerto	1009	Pulsar	1002, 1003	Techwood	1007, 1009, 1060
Contec	1023, 1063, 1065	Quasar	1007, 1018, 1025, 1060, 1079	Teknika	1000, 1003, 1009, 1010, 1012, 1015, 1022, 1023, 1046, 1064, 1065
Craig	1023	Radio Shack	1003, 1005, 1006, 1009, 1016, 1018, 1021, 1023, 1063, 1064, 1066	Telecaption	1074
Crosley	1000	RCA	1003, 1006, 1007, 1011, 1013, 1033, 1034, 1035, 1036, 1037, 1038, 1048, 1052, 1071, 1072, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096	Telefunken	1009
Crown	1023, 1064	Realistic	1003, 1005, 1009, 1016, 1018, 1021, 1023, 1063, 1064	Thomson	1039
Curtis Mathes	1000, 1005, 1006, 1007, 1009, 1010, 1013, 1014, 1016, 1019, 1027, 1034, 1036, 1046, 1064	Runco	1002, 1005	TMK	1009, 1021
CXC	1023	Sampo	1005, 1064, 1066	Toshiba	1010, 1016, 1017, 1040, 1041, 1046, 1054, 1070, 1074
Daewoo	1003, 1012, 1027, 1029, 1030, 1064	Samsung	1003, 1005, 1009, 1010, 1021, 1046, 1063, 1064, 1066, 1078	Totevision	1064
Daytron	1003, 1064	Sansunx	1064	Vector Research	1005
Denon	1014	Sansei	1027	Victor	1008
Dumont	1002, 1003	Sansui	1028	Vidikron	1000
Dumont	1002, 1003	Sanyo	1016, 1055	Vidtech	1003, 1021
Electroband	1001			Wards	1000, 1003, 1004, 1005, 1009, 1018, 1021, 1022, 1049, 1050, 1054, 1057, 1058, 1075, 1077
Electrohome	1079			White Westinghouse	1029, 1028, 1030
Emerson	1003, 1016, 1021, 1022, 1023, 1024, 1026, 1028, 1029, 1030, 1044, 1045, 1063, 1064, 1067, 1068, 1069			Yamaha	1003, 1005
Envision	1005			Zenith	1002, 1012, 1028
Fisher	1016, 1055, 1056				
Fujitsu	1022, 1032				
Funai	1020, 1022, 1023				
Futuretech	1023				

VCR Setup Codes

Enter all 4 digits to program the VCR mode key.

See **Other VCR Codes** if you want to program your VCR mode key to control another device.

Brand	Code	Brand	Code	Brand	Code
Admiral	2013	Lloyd's	2001, 2021	Realistic	2001, 2005, 2006, 2011, 2012, 2013, 2017
Adventura	2001	Logik	2016	Runco	2008
Aiko	2026	LXI	2006	Samsung	2011, 2024
Aiwa	2001, 2006, 2027	Magnasonic	2026	Sanky	2008, 2013
American High	2005	Magnavox	2000, 2001, 2005, 2008	Sansui	2001, 2025, 2029
Asha	2024	Magnin	2024	Sanyo	2011, 2012, 2017, 2024
Audiovox	2006	Marantz	2000, 2005	Scott	2010, 2011, 2018, 2020
Beaumarck	2024	Marta	2006	Sears	2001, 2005, 2006, 2009, 2011, 2012, 2017
Bell & Howell	2017	Matsushita	2005, 2019	Semp	2011
Brocksonic	2002, 2018, 2020, 2022, 2029	MEI	2005	Sharp	2013
Calix	2006	Memorex	2001, 2005, 2006, 2008, 2011, 2012, 2013, 2017, 2019, 2024, 2027, 2033, 2036, 2037	Shintom	2016
Canon	2005	MGN-Tech	2024	Shogun	2024
Carver	2000	Minolta	2009	Singer	2016
CCE	2016, 2026	Mitsubishi	2010, 2013, 2015	Sony	2001, 2004, 2005
Cineral	2026	Motorola	2005, 2013	STS	2009
Citizen	2006, 2026	MTC	2001, 2024	Sylvania	2000, 2001, 2005, 2010
Colt	2016	Multitech	2001, 2016	Symphonic	2001
Craig	2006, 2012, 2016, 2024, 2025	NEC	2007, 2015, 2017	Teac	2001
Curtis Mathes	2005, 2014, 2019	Nikko	2006	Technics	2005, 2006, 2019
Cybernex	2024	Noblex	2024	Teknika	2001, 2005
Daewoo	2011, 2026	Olympus	2005	Thomas	2001
Denon	2009	Optimus	2006, 2013, 2017, 2019, 2028, 2034, 2035	Thomson	2038
Dynatech	2001	Orion	2002, 2020, 2029	TMK	2021, 2024
Electrohome	2006	Panasonic	2005, 2019, 2023, 2031	Toshiba	2010, 2011
Electrohome	2006	Penney	2005, 2006, 2007, 2009, 2024	Totevision	2006
Emerex	2004	Pentax	2009	Unitech	2024
Emerson	2001, 2002, 2006, 2010, 2018, 2020, 2021, 2022, 2026, 2029	Philco	2005, 2022, 2029	Vector	2011
Fisher	2012	Philips	2000, 2005, 2032	Vector Research	2007
Fuji	2005	Pilot	2006	Video Concepts	2011
Funai	2001	Pioneer	2015	Videosonic	2016, 2024
Garrard	2001	Proscan	2014	Wards	2000, 2001, 2005, 2012, 2013, 2024
GE	2005, 2013, 2014, 2024	Protec	2016	White Westinghouse	2026
Go Video	2028, 2030	Pulsar	2008	XR-1000	2001, 2005, 2016
Gold Star	2007, 2006	Quarter	2011	Yamaha	2007
Gradiente	2001, 2003	Quartz	2011	Zenith	2001, 2008
Harley Davison	2001	Quasar	2005, 2019		
Harman Kardon	2000, 2007	Radio Shack	2001		
Harwood	2016	Radix	2006		
HI-Q	2012	Randex	2006		
Hitachi	2001, 2009	RCA	2005, 2009, 2013, 2014, 2024		
JVC	2003, 2015				
KEC	2006, 2026				
Kenwood	2007, 2015				
KLH	2016				
Kodak	2005, 2006				

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

Other VCR Codes

You can program your VCR mode key to control a CD player, DVD, or PVR device. Enter all 4 digits to program the VCR mode key.

CD Codes

Brand	Code	Brand	Code
Aiwa	2411	Soundesign	2410
Burmeister	2419	Tascam	2419
California		Teac	2414, 2419
Audio Lab	2403	Technics	2403
Carver	2411, 2413	Victor	2408
Denon	2401, 2426	Wards	2407, 2411
DKK	2400	Yamaha	2405, 2415**
Emerson	2418		
Fisher	2413		
Garrard	2419		

DVD Codes

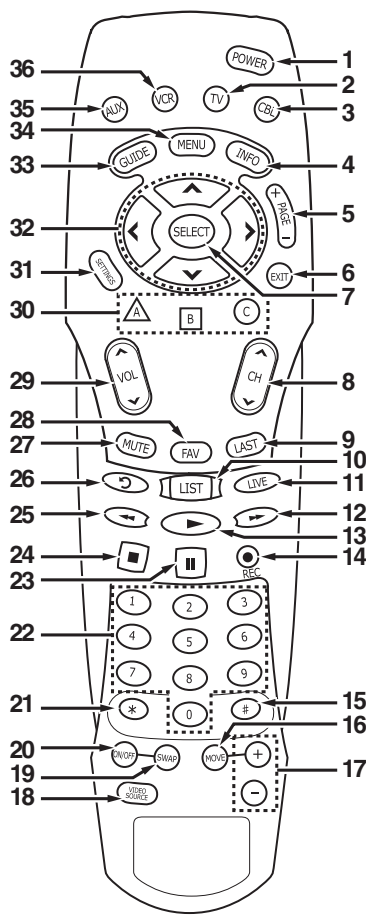
Brand	Code	Brand	Code
Genexxa	2404, 2418	AIWA	2218
Harman Kardon	2411, 2412	Harman Kardon	2211
Hitachi	2404	Hitachi	2217
JVC	2408	JVC	2208, 2213, 2416, 2422, 2423
Kenwood	2402, 2406**, 2416, 2422, 2423	Kenwood	2206
Krell	2411	Konka	2220, 2221
Linn	2411	Magnavox	2201
LXI	2418	Mitsubishi	2202
Magnavox	2411, 2418	Onkyo	2201, 2214
Marantz	2403, 2411, 2414	Optimus	2204
MCS	2403	Panasonic	2200, 2216, 2222
Mission	2411	Philips	2201, 2228, 2230
MTC	2419	Pioneer	2204, 2209
Onkyo	2409, 2425	Proscan	2203
Optimus	2400, 2404, 2406**, 2410, 2413, 2418, 2419, 2420	RCA	2203, 2232
Panasonic	2403, 2417	Samsung	2210
Parasound	2419	Sanyo	2223
Phillips	2411	Sharp	2215
Pioneer	2404, 2418, 2420	Shinco	2233**
Proton	2411	Sony	2205, 2224, 2225
QED	2411	Technics	2200
Quasar	2403	Toshiba	2201, 2229, 2226
RCA	2407, 2413, 2418	Yamaha	2200, 2207**
Realistic	2413, 2414, 2419	Zenith	2201, 2212, 2227

** Insert a CD or DVD and use the Play key (instead of Power) to confirm whether this code works.

DVR/PVR Codes

Brand	Code
Echostar	2040
Philips	
TIVO	2039
Sony	2400, 2421

Quick Reference



Device Control

- 1 Powers on or off
- 35 AUX Mode Key
- 36 VCR Mode Key
- 2 TV Mode Key
- 3 Cable Mode Key

Sound

- 29 Adjusts volume
- 27 Mutes sound

Viewing and Browsing Control

- 33 Displays the program guide
- 34 Displays the Applications Menu
- 4 Displays channel and program information
- 5 Navigates through settings or the program guide
- 32 Moves through selections
- 7 Selects and deselects screen item
- 31 Displays the General Settings or Quick settings menus
- 6 Exits settings, menus, and guides
- 30 Selects options in menus and the program guide
- 8 Selects channel, up or down
- 28 Views favorite channels
- 9 Returns to last channel viewed
- 22 Enters channel numbers (also enters your parental control PIN)
- 21 Reserved for future use
- 15 Reserved for future use

PVR Control

- 26 Replays the previous few seconds of a program
- 10 Displays a list of programs that you have recorded, allowing you to select one for viewing
- 11 Displays live television programming

VCR/VOD Control

Note: In VCR mode, these keys control your VCR

- 25 Rewinds VCR/VOD
- 13 Plays VCR/VOD
- 12 Fast forwards VCR/VOD
- 24 Stops VCR/VOD
- 23 Pauses VCR/VOD
- 14 Records program.

PIP Control

- 20 Opens or closes the PIP window
- 19 Swaps the contents of the PIP window and the main viewing screen so that the PIP window displays on the main screen
- 16 Moves the PIP window to another location on the screen
- 17 Selects the channels in the PIP window, up or down
- 18 Selects the video source