

AUX Setup Codes

CD Players	Optimus	0014, 0046, 0051, 0159, 0193, 0319, 0434, 0482	Receivers	Sansui	0203, 1103
Aiwa 0171			ADC 0545	Sherwood	0516
Burmester 0434			Aiwa 0135, 0172, 0203, 1103, 1419	Sony	0172, 1072, 1172, 1272
California Audio Labs 0043	Panasonic	0043, 0317		Technics	0053, 0323, 1322, 1323, 1532
Carver 0171, 0193	Parasound	0434	Capetronic 0545	Thorens	1203
DKK 0014	Philips	0171, 0640	Carver 0203, 1103, 1203	Victor	0088
Denon 0017, 0887	Pioneer	0046, 0319, 0482	Denon 1118, 1174	Wards	0028, 0172, 0203
Emerson 0319	Proton	0171	Harman/Kardon 0124, 0203	Yamaha	0190
Fisher 0193	QED	0171	JBL 0124		
Garrard 0434	Quasar	0043	JVC 0088		
Genexxa 0046, 0319	RCA	0067, 0193, 0319	Kenwood 0041, 1041, 1327, 1583		
Harman/Kardon 0171, 0187	Realistic	0193, 0194, 0434	Linn 0203		
Hitachi 0046	Rotel	0171, 0434	MCS 0053		
JVC 0086	SAE	0171	Magnavox 0203, 0545, 1103, 1203		
Kenwood 0042, 0051, 0204, 0640, 0695, 0840	Sansui	0171, 0319	Marantz 0053, 0203, 1103, 1203		
Krell 0171	Sanyo	0193	Onkyo 0149		
LXI 0319	Scott	0319	Optimus 0545, 1037		
Linn 0171	Sears	0319	Panasonic 0053, 0323, 1532		
MCS 0043	Sharp	0051, 0194, 0875	Philips 0203, 1103, 1203		
MTC 0434	Sherwood	0194	Pioneer 0028, 0545, 1037		
Magnavox 0171, 0319	Sony	0014, 0504	Quasar 0053		
Marantz 0043, 0171, 0194	Soundesign	0159	RCA 0545		
Mission 0171	Tascam	0434			
NSM 0171	Teac	0194, 0434			
Onkyo 0115, 0882	Technics	0043, 0317			
	Victor	0086			
	Wards	0067, 0171			
	Yamaha	0050, 0201			

Amplifiers	Home Automation	Miscellaneous Audio
Aiwa 0420	GE 0254	Jerrold 0473, 0534
Carver 0283	One For All 0181	Scientific-Atlanta 0474
Curtis Mathes 0314	Radio Shack 0254	Starcom 0473
Denon 0174	Security System 0181	
JVC 0345	Universal X10 0181	
Linn 0283	X10 0181	
Magnavox 0283		
Marantz 0283		
Panasonic 0322		
Philips 0283		
Pioneer 0027, 0314		
Sony 0703		
Technics 0322		
Victor 0345		
Wards 0027		
Yamaha 0368		

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 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.

AllTouch® 2000 Remote Control User's Guide



United States: Scientific-Atlanta, Inc., 5030 Sugarloaf Parkway, Box 465447, Lawrenceville, GA 30042

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Programming the Remote Control

Introduction

In addition to operating your digital home communications terminal (DHCT), you can program the AllTouch® 2000 (AT 2000) Remote Control (remote) to operate your TV, VCR, CD player, or other electronic device. To program the remote, use the following procedures.

Notes:

- The remote requires two AA batteries (alkaline recommended). A diagram in the battery compartment of the remote indicates proper placement of the batteries. When batteries are properly installed, the light on the remote blinks each time a key is pressed.
- The AT 2000 Remote Control is not a toy. It should be kept out of the reach of children under the age of 6 years.

Using Mode Keys

Press the appropriate mode key to switch the remote control operation to the configured device:



Assigning a Device Code to a Mode Key

Try to use your remote to control your devices. If the remote does not work for a device, you can assign a different device code to the appropriate mode key. Before you begin, make sure you know the brand name of the device you want to control.

1. Turn on your device.
2. Locate your device brand and device setup code in the appropriate setup code list in this guide. If your device brand is not listed, see **Searching the Code Library**.
3. Point the remote *away* from your DHCT, TV, VCR, or other electronic device.

4. On your remote, press and hold **SELECT** and the appropriate mode key (CBL, TV, VCR, AUX) until the light on the remote blinks twice.
5. Using the keypad on your remote, enter the 4-digit setup code for your device. The light on the remote blinks twice.
6. Confirm the setup code works by pointing the remote *toward* the device and test the **POWER**, **VOLUME**, and **MUTE** functions.

- Note:** Volume and Mute functions do not apply to all devices (for example, Home Automation devices).
7. Did the device operate correctly?
 - If **yes**, write down the code that worked in the **Record of Codes** section in this guide. You may need it again if the device code is accidentally erased.
 - If **no**, repeat this procedure from step 2 using a different setup code.

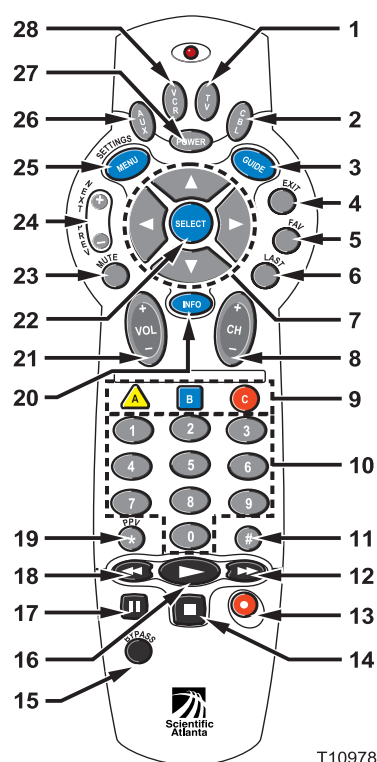
Note: Some remote keys may be assigned to operate one device type only. For example, volume control may be assigned to the TV only. If this is the case, you can reprogram the power, volume, and channel control using other procedures in this guide.

Record of Codes

Record your setup codes in the following table.

TV	
VCR	
CBL	
AUX	

AT 2000 Remote Control Quick Reference



T10978

Device Control

- 1 TV Mode Key
- 2 Cable Mode Key
- 26 AUX Mode Key
- 28 VCR Mode Key
- 27 POWER POWERS on or off
- 15 BYPASS Functions as follows:
 - While in VCR mode, switches TV/VCR input
 - While in TV mode, switches TV/Video input
 - While in CBL mode, controls Bypass option

Sound Control

- 21 Adjusts volume
- 23 Mutes sound

Viewing and Browsing Control

- 11 # Functions vary by cable provider
- 9 A B C Selects options in menus and program guide
- 3 GUIDE Displays program guide
- 25 SETTINGS MENU Displays cable settings or Menu
- 7 Moves through menus or program guides
- 22 SELECT Selects and deselects screen item
- 20 INFO Displays channel and program information
- 8 CH Selects channels, up or down
- 10 Enters channel numbers or personal identification number (PIN) for parental control
- 5 FAV Views favorite channels

- 6 LAST Returns to last channel viewed
- 19 PPV Features vary by cable provider; some provide access to pay-per-view features. **Note:** Explorer® DHCTs provide access through on-screen options.
- 24 Navigates through program guide or settings
- 4 EXIT Exits settings, menus, and guides

VCR/VOD Control

- 12 Fast forwards VCR/VOD
- 13 Records program
- 14 Stops VCR/VOD
- 16 Plays VCR/VOD
- 17 Pauses VCR/VOD
- 18 Rewinds VCR/VOD

Programming the Remote Control, continued

Searching the Code Library

If none of the codes listed for your device work, you can search the code library for a valid code.

1. Turn on the device that you want to program before you search for a code.
2. Point the remote *away* from the device you are programming.
3. To search for the code, press and hold **SELECT** and the appropriate mode key until the light on the remote blinks twice. For example, to search for a TV code, hold down **SELECT** and **TV** until the light blinks twice.
4. Press **991**. The light blinks twice.
5. Point the remote *toward* the device, and press **POWER**.
6. Did the device turn off?
 - If **yes**, go step 7.
 - If **no**, repeat steps 2 through 5.

Note: The light on the remote blinks three times when you reach the end of the code library. This procedure searches the following number of codes in each library:

- VCR: 56 codes
- TV: 51 codes
- CBL: 10 codes
- AUX: 57 codes

7. Press **SELECT** to confirm a valid code. The light on the remote blinks twice.
8. Press **POWER** again to confirm that the device powers on.

Determining Which Code Worked

You can find out which code you used to program your device. You can determine the code by counting the number of times the light blinks during the following procedure.

1. Point the remote *away* from your DHCT, TV, VCR, or other electronic device.

2. Press and hold **SELECT** and the appropriate mode key until the light on the remote blinks twice.
3. Press **990**. The light on the remote blinks twice.
4. Press **1** and count the number of times the light blinks. The number of blinks indicates the first digit in the code. For example, 4 blinks indicates the first number in the code is 4. If the light does not blink, the digit is 0 (zero).
5. Press **2** and count the number of times the light blinks. The number of blinks indicates the second number in the code.
6. Press **3** and count the number of times the light blinks. The number of blinks indicates the third number in the code.
7. Press **4** and count the number of times the light blinks. The number of blinks indicates the fourth number in the code.
8. Write down the code in the **Record of Codes** section in this guide.

Programming for Volume Control

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

1. Point the remote away from your DHCT, TV, VCR, or other electronic device.
2. Press and hold **CBL** and **SELECT** at the same time, until the light on the remote blinks twice.
3. Press **993**. The light blinks twice.
4. Press the **TV** key or the **CBL** key, depending on which device you want to control the volume. The light on the remote 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.

Changing the Mode Key

You can change your TV, VCR, and AUX keys to control different devices. For example, if you have a second TV, you can change your AUX key to a second TV key by following this procedure.

1. Press and hold **SELECT** and **CBL** until the light blinks twice.
2. Press **992**.
3. Press the mode key (TV, VCR, AUX) associated with the type of device that you want to control.
4. Press the mode key (TV, VCR, AUX) that you want to change.
5. To set up the mode key, follow all of the steps in the **Assigning a Device Code to a Mode Key** procedure for your brand of equipment.
6. Write down the changes.

Example: The AUX key controls TV in the den.

The _____ mode key controls _____.

The _____ mode key controls _____.

Programming VCR Keys for CBL Mode

If your cable service provider does not offer the video-on-demand (VOD) feature, you can follow these steps to reprogram the remote to operate your VCR functions while in CBL mode. (The VOD/VCR keys default to VOD functions while in CBL mode.)

1. Turn on your VCR.
2. Press and hold **SELECT** and **CBL** until the light blinks twice.
3. Press **999**.
4. Press **VCR**.
5. Insert a tape into your VCR and test the VCR function keys.

Note: To set the remote back to the default setting, repeat steps 1 through 4; however, at step 4, press **CBL**. At step 5, test the VOD functions.

Changing Power Control

You can change the **POWER** key to control several or all of your devices at one time by following this procedure.

1. Press and hold **SELECT** and **CBL** until the light blinks twice.
2. Press **998**.
3. Press and hold **SELECT** and **CBL** again until the light blinks twice.
4. Choose one of the following options to select which devices you want to power on and off at the same time.
 - For TV and CBL, press **TV** and **CBL**.
 - For TV, CBL, and VCR, press **VCR** and **CBL**.
 - For TV, CBL, and AUX, press **AUX** and **CBL**.
 - To return to default settings (controlling power for one device at a time), press **POWER**.
5. Point the remote *toward* the devices. Press and hold **POWER** to confirm operation.

Result: The power to the devices may take a few seconds to turn on/off.

Note: You can still control the power of a specific device by pressing the mode key and **POWER** within 3 seconds of each other.

Unlocking the CBL Mode Key

Your cable set-top device code is “locked” to keep you from changing the cable code unintentionally. If you need to program the remote to operate a different cable set-top device, use the following steps to unlock the CBL key.

1. Press and hold **SELECT** and **CBL** until the light blinks twice.
2. Press **996**.
3. Press **CH-** (channel down key) to unlock the set-top device code.

Result: You can now assign your **CBL** key to a different cable device.

TV Setup Codes

Admiral 0107, 0477	Citizen 0044, 0070, 0074, 0106	Electroband 0014	Hallmark 0192	LXI 0061, 0068, 0168, 0170, 0192	NEC 0033, 0044, 0070	Quasar 0065, 0179, 0264	Soundesign 0192, 0193, 0194
Aiko 0106	Concerto 0070	Emerson 0033, 0168, 0192, 0193, 0194, 0250, 0296, 0477, 0637, 0638	Harley Davidson 0193	Magnavox 0044, 0068, 0193	Nikko 0044, 0106, 0192	RCA 0033, 0061, 0065, 0104, 0107, 1061, 1161, 1261, 1361, 1461	Squareview 0185
Akai 0044	Contec 0194	Envision 0044	Harmon/Kardon 0068	Marantz 0044, 0068	NTC 0106	0107, 1061, 1161, 1261, 1361, 1461	Starlite 0194
Alaron 0193	Craig 0194	Fisher 0168	Harvard 0194	Matsushita 0264	Onwa 0194	0161, 1261, 1361, 1461	SSS 0033, 0194
American Action 0194	Crosley 0068	Fujitsu 0193, 0697	Hitachi 0070, 0159	Megatron 0159, 0192	Optimus 0168, 0180, 0264	0161, 1261, 1361, 1461	Supreme 0014
Anam 0194	Crown 0194	Funai 0185, 0193, 0194	Infinity 0068	Memorex 0070, 0164, 0168, 0192, 0264, 0477	Orion 0193, 0250, 0477	0161, 1261, 1361, 1461	Sylvania 0044, 0068
AOC 0033, 0044	Curtis Mathes	GE 0035, 0061, 0065, 0107, 0192, 0168, 0180, 0465, 1161, 1361	Inteq 0031	MGA 0033, 0044, 0164, 0192	Optonica 0107, 0179	0161, 1261, 1361, 1461	Symphonic 0185
Audiovox 0106, 0194, 0465, 0637	0044, 0061, 0065, 0068, 0070, 0074, 0107, 0159, 0168, 0180, 0465, 1161, 1361	Gilbrater 0031, 0033, 0044	JBL 0068	Midland 0031, 0061, 0065	Orion 0193, 0250, 0477	0161, 1261, 1361, 1461	Tandy 0107
Baysonic 0194	CXC 0194	GoldStar 0033, 0044, 0070, 0192	JCB 0014	Minutz 0035	Panasonic 0065, 0264	0161, 1261, 1361, 1461	Technics 0065, 0264
Belcor 0033	Daewoo 0033, 0106, 0465, 0637, 0638	Gradiente 0067, 0070	JC Penney 0033, 0035, 0044, 0061, 0065, 0070, 0074, 0170, 0192, 1361	Mitsubishi 0033, 0107, 0164, 0192	Philco 0033, 0044, 0068, 0159, 0477	0161, 1261, 1361, 1461	TechnolAce 0193
Bell & Howell 0168	Daytron 0033	Grunpy 0193, 0194	JVC 0067	Motorola 0107	Pioneer 0180, 0694	0161, 1261, 1361, 1461	Techwood 0065, 0070
Bradford 0194	Denon 0159		KEC 0194	MTC 0033, 0044, 0070, 0074	Portland 0033, 0106	0161, 1261, 1361, 1461	Teknika 0033, 0068, 0070, 0074, 0106, 0164, 0193, 0194
Brockwood 0033	Dumont 0031, 0033		Kenwood 0043, 0044	Multitech 0194	Prism 0065	0161, 1261, 1361, 1461	TMK 0070, 0192
Brocksonic 0250, 0477			KTV 0044, 0194	NAD 0170, 0180, 0192	Proscan 0061	0161, 1261, 1361, 1461	Toshiba 0074, 0168, 0170
Candle 0044, 0070			LG 0070		Proton 0192	0161, 1261, 1361, 1461	Vector Research 0044
Carnivale 0044			Luxman 0070		Pulsar 0031, 0033	0161, 1261, 1361, 1461	Victor 0067
Carver 0068						0161, 1261, 1361, 1461	Vidikron 0068
Celebrity 0014						0161, 1261, 1361, 1461	Vidtech 0033, 0192
Cineral 0106, 0465						0161, 1261, 1361, 1461	Wards 0033, 0035, 0044, 0068, 0070, 0179, 0192, 0193

VCR Setup Codes

VCR Codes	Electroponic	Logik	Panasonic	Sears	White Westinghouse
Admiral 0062, 0223	0051	0086	0049, 0176, 0239, 0630, 1076, 1176, 1276	0014, 0049, 0051, 0056, 0061, 0118	0223, 0292
Adventura 0014	Emerex 0046	Magnasonic 0292	Pentax 0056	Semp 0059	XR-1000 0014, 0049, 0086
Aiko 0292	Emerson 0014, 0016, 0051, 0057, 0135, 0198, 0222, 0223, 0292, 0493	Magnavox 0014, 0049, 0053, 0095	Philco 0049, 0223, 0493	Sharp 0062	Yamaha 0052
Aiwa 0014, 0051, 0321	0051, 0057, 0135, 0198, 0222, 0223, 0292, 0493	Marantz 0049, 0095	Philips 0049, 0095, 0632	Shintom 0086	Zenith 0014, 0053, 0223, 0483
American Action 0292	Fisher 0061, 0118	Marta 0051	Phillips 0049, 0095, 0632	Shogun 0254	
American High 0049	Fuji 0047, 0049	Matsushita 0049, 0176	Pilot 0051	Singer 0086	
Asha 0254	Funai 0014	MEI 0049	Pioneer 0081	Sony 0014, 0046, 0049	
Audiovox 0051	GE 0049, 0062, 0074, 0254	Memorex 0014, 0049, 0051, 0053, 0061, 0062, 0118, 0176, 0223, 0254, 0321, 1051, 1176, 1276	Proffrtronc 0254	STS 0056	
Beaumarck 0254	Garrard 0014	MGN Technology 0254	Proscan 0074	Sylvania 0014, 0049, 0057, 0095	
Bell & Howell 0118	Go Video 0446, 0540	Magnasonic 0292	Protex 0086	Symphonic 0014	
Brocksonic 0016, 0135, 0198, 0223, 0493	GoldStar 0051, 0052	Magnavox 0014, 0049, 0053, 0095	Pulsar 0053	TMK 0222, 0254	
CCE 0086, 0292	Gradiente 0014, 0022	Marantz 0049, 0095	Quasar 0049, 0176, 1176	Teac 0014	
Calix 0051	Harley Davidson 0014	Marta 0051	RCA 0049, 0056, 0062, 0074, 0254	Technics 0049, 0176	
Canon 0049	Harman/Kardon 0052, 0095	Matsushita 0049, 0176	Realistic 0014, 0049, 0051, 0061, 0062, 0118	Teknika 0014, 0049, 0051	
Carver 0095	Harwood 0086	Minolta 0056	ReplayTV 0628, 0630	Thomas 0014	
Cineral 0292	Hi-Q 0061	Mitsubishi 0057, 0062, 0081	Radio Shack 0014, 1051	Tivo 0632	
Citizen 0051, 0292	Hitachi 0014, 0056	Motorola 0049, 0062	Radix 0051	Toshiba 0057, 0059	
Colt 0086	Hitachi 0014, 0056	MTC 0014, 0254	Randex 0051	Totevision 0051, 0254	
Craig 0051, 0061, 0086, 0254, 0285	Hughes Network Systems 0056	Multitech 0014, 0086	Realistic 0014, 0049, 0051, 0061, 0062, 0118	Unitech 0254	
Curtis Mathes 0049, 0074, 0176	JC Penney 0049, 0051, 0052, 0056, 0254	NEC 0052, 0081, 0118	Quasar 0049, 0176, 1176	Vector 0059	
Cybernex 0254	JVC 0022, 0081	Nikko 0051	RCA 0049, 0056, 0062, 0074, 0254	Vector Research 0052	
Daewoo 0059, 0292	KEC 0051, 0292	Noblex 0254	Radio Shack 0014, 1051	Video Concepts 0059	
Denon 0056	Kenwood 0052, 0081	Olympus 0049	Radix 0051	Videosonic 0254	
Dynatech 0014	KLH 0086	Optimus 0051, 0062, 0118, 0176, 0446, 1062, 1076, 1176, 1276	Realistic 0014, 0049, 0051, 0061, 0062, 0118	Wards 0014, 0049, 0056, 0061, 0062, 0074, 0086, 0095, 0254	
Electrohome 0051	Kodak 0049, 0051	Orion 0016, 0198, 0223, 0493	ReplayTV 0628, 0630		
	LXI 0051		Runco 0053		
	Lloyd's 0014, 0222		Samsung 0059, 0254		
			Sanky 0053, 0062		
			Sansui 0014, 0081, 0223, 0285, 0493		
			Sanyo 0061, 0118, 1276		
			Scott 0057, 0059, 0135, 0198		

Cable Setup Codes

ABC 0022	Quasar 0014
Americast 0913	Runco 0014
Contec 0033	Samsung 0158
General Instruments 0290, 0490	Scientific-Atlanta Default: 0458 Additional: 0891, 0491, 0022, 0238
Gold Star 0158	Tocom 0026
Jerrold 0026, 0290, 0490	Toshiba 0014
Memorex 0014	Zenith 0014, 0539, 0913
Motorola 0290, 0490	
Oak 0333	
Panasonic 0014, 0121	
Paragon 0014	
Pioneer 0158, 0547, 0891	
Pulsar 0014	