User's Guide



# AT2300 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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# **Controlling Another** Set-Top Device

### Unlocking the Remote

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

- 1. Press and hold SELECT and CBL until the light blinks twice.
- Using the keypad on the remote, press 2. **996**.
- 3. Press CH- to unlock the set-top device code.

Result: You can now set up your cable device with the following procedure.

### Programming for Cable Operation

Use the following steps if you need to program the remote to operate a different cable set-top device.

- 1. Locate your cable brand in the Cable Setup Codes section in this guide. If your brand is not listed, see Searching the Code Library.
- 2. Important: Make sure your cable device is turned on.
- 3. Point the remote *away* from the cable set-top device, TV, and VCR.
- 4. Press and hold SELECT and CBL until the light blinks twice.
- 5. Enter the setup code for your cable device. The light on the remote should blink twice. If not, try another setup code, if available; or go to Searching the Code Library.
- 6. Point the remote *toward* the cable device and test the **POWER** function by pressing CBL.

## **Cable Setup Codes**

The default cable setup code is 0458.

Scientific-Atlanta	0491 (analog), 0891 (digital), 0458 (combination)	
Conoral Instrument	0400	Î

General instrument	0490
Jerrold	0490
Motorola	0490
Pioneer	0891
Vidtech	0258

# **Programming for Volume** Control

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

Note: For Explorer DHCTs, press the SETTINGS key to access the General Settings menu onscreen, and make sure that the Audio: Volume Control setting is set to "Variable.'

- 1. Point the remote *away* from the Explorer DHCT, the TV, and the VCR.
- 2. Press and hold SELECT and CBL at the same time, until the light on the remote blinks twice.
- Using the keypad on the remote, press 993. 3. The light on the remote blinks twice.
- 4. Press TV or CBL, depending on which device is set 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 then press VOL+ and VOL- to confirm that the correct device adjusts the volume.

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## Programming the Remote Control

### Introduction

The AT2300 AllTouch® Remote Control (remote) can do the job of three separate remote controls. You can program the remote to operate your TV, VCR, and cable set-top device using the procedures in this guide.

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

## Programming for TV Operation

You can program the remote to operate various TV functions, such as power, volume, and mute.

Note: Your cable service provider may have programmed your remote to control the volume through your cable set-top device instead of through the TV. If that is the case, you can re-program your remote to control the volume through your TV. See Programming for Volume Control on page 3 of this guide.

## Programming for VCR Operation

You can program the remote to operate your VCR. After you switch the remote to VCR operation, you can play, fast-forward, pause, rewind, or stop a VCR tape.

If you want the DHCT to manage the recording of events with your VCR, you must use the VCR Commander<sup>™</sup> Service. (See the *VCR Commander Service User's Guide* for more information or ask your cable service provider.) Without this service, you must manually set up your VCR to record programs.

- 1. Move the VCR/VOD slide switch on the remote to the VCR position.
- 2. Important: Turn on your VCR.
- 3. Locate your VCR brand and setup code in the table in this guide. If your brand is not listed, see Searching the Code Library.
- 4. Point the remote *away* from the cable set-top device, the TV, and the VCR.
- 5. Press and hold **SELECT** and **VCR** until the

## Searching the Code Library

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

- 1. Important: Turn on the device in question 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 power key (CBL, TV, VCR) 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.
- Using the remote control keypad, press 991. 4. The light blinks twice.
- Point the remote *toward* the device, and press 5. the appropriate power key (CBL, TV, VCR).
- 6. Did the device turn off?
  - If yes, go to step 7.

- 2. To identify the code, press SELECT and the appropriate device key (CBL, VCR, TV) until the light on the remote blinks twice. For example, to identify the VCR code, hold SELECT and VCR until the light blinks twice.
- 3. Using the remote control keypad, press **990**. The light on the remote blinks twice.
- Press 1 and then count the light blinks. 4. 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 then count the light blinks. The number of blinks indicates the second number in the code.
- 6. Press 3 and then count the light blinks. The number of blinks indicates the third number in the code.
- 7. Press **4** and then count the light blinks.

Part Number 745466 Rev B

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

- 1. Locate your TV brand and TV setup code in the table in this guide. If your brand is not listed, see Searching the Code Library.
- 2. Important: Turn on your TV.
- 3. Point the remote away from the cable set-top device, TV, and VCR.
- 4. Press and hold SELECT and TV until the light blinks twice.
- 5. Enter the setup code for your TV. The light on the remote should blink twice. If not, try another setup code, if available; or go to Searching the Code Library.
- Point the remote toward the TV and test the POWER, VOLUME, and MUTE functions

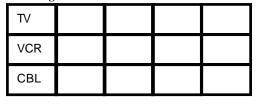
Note: If these functions do not operate, enter the next setup code from the list, and repeat this procedure from step 1.

### light blinks twice.

- 6. Enter the setup code for your VCR. The light on the remote should blink twice. If not, try another setup code, if available; or go to Searching the Code Library.
- Point the remote *toward* the VCR and test the POWER, PLAY, and STOP functions. If these functions do not operate, enter the next setup code in the list, and repeat this procedure from step 2.

## **Record of Codes**

When you determine the correct setup code for your devices, record your setup codes in the following table for future reference.



If **no**, press the Up Arrow Key to go to the next code, and press POWER to test the new code.

Note: The light on the remote blinks three times when you reach the end of the code library. Each library contains the following number of codes:

- VCR: 25 codes
- TV: 38 codes
- CBL: 5 codes

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- 7. Press SELECT to confirm a valid code. The light on the remote blinks twice.
- Point the remote *toward* the device, and press the appropriate power key (CBL, VCR, TV) to confirm that the device turns on and off.

## Identifying Programmed Codes

After you search the library of codes, you can find out which code you used to program your TV. VCR. or cable device. Use the following procedure to identify the programmed codes. Record the codes in the space provided.

Point the remote away from the cable set-top device, the TV, and the VCR.

The number of blinks indicates the fourth number in the code.

8. Write down your codes in the Record of Codes section on page 1.

## The Explorer eClub

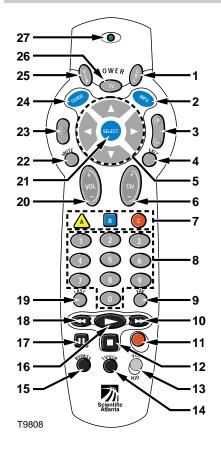
The Explorer eClub is an online club that provides news about the Explorer DHCT and offers you a chance to win prizes and other premium items. You can access the Explorer eClub on the Internet at the following address:

www.scientificatlanta.com/explorerclub

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:

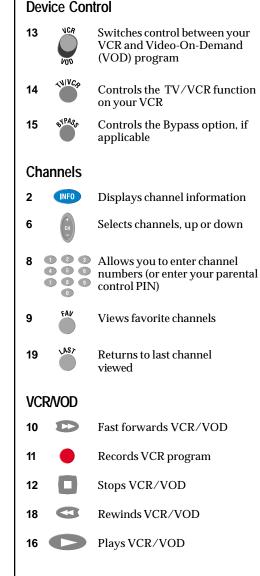
Your cable service provider may ask for your serial number if your system requires troubleshooting in the future.

## AT2300 AllTouch® Remote Control Quick Reference



Important: Program the remote control before you use the cable set-top device. See Programming the Remote Control for instructions.

Po	wer			De	vice Con	tro
1	G	Cable set-top device on or off		13		Sw VC (V
25	VCR	VCR on or off		14	NIV CA	Cc on
26	TV	TV on or off		15	STPAS.	Cc ap
27	٢	Light		<b>C</b> L		<b>F</b>
So	und			Cn	annels	
22	MUTE	Mutes sound		2 6	INFO (+)	Di Se
20	+ Vol	Adjusts volume		8		Al
Sci	reens				000	nu co
3	P A GE	Pages Up/Pages Down		9	FAV	Vi
4	EXIT	Hides interactive screen		19	18A	Re vie
7	<u>a</u> B C	Activates on-screen choices		VC	R/VOD	
24	GUIDE	Displays interactive program guide		10	Ð	Fa
23	S S S S S S S S S S S S S S S S S S S	Displays DHCT settings		11	•	Re
5		Moves through interactive		12	0	Sto
		screen choices		18	3	Re
17	0	Pauses VCR/VOD		16		Pla
21	SELECT	Chooses interactive screen item				
		4	4			



## **Replacing the Batteries**

Your remote control requires two AA alkaline batteries. Use the following procedure to replace the batteries.

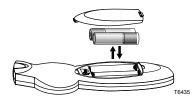
Note: If the light on your remote flashes twice whenever you press a key, the batteries are weak and should be replaced.

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

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



- 2. Remove and safely dispose of the old batteries.
- 3. Insert and firmly seat two new AA batteries (alkaline required) into the battery compartment.
- 4. Slide the battery cover back onto the remote control, and snap the cover into place.



# 5

## **TV Setup Codes**

TV Brand	Codes	Harvaru	0194	RCA	0061, 0065, 0107			LXI	0051	Realistic
AOC	0044	Hitachi	0159, 0030	Radio Shack	0194, 0044, 0192,	Admiral	0062, 0223	- Lloyd's	0014	-
Admiral	0107, 0477	Infinity	0068	·	0168, 0061	Adventura	0014	- Logik	0014	ReplayTV
Aiko	0106	Inteq	0031	Realistic	0194, 0168, 0044,	Aiwa	0014, 0051	- MEI	0088	Runco
Akai	0044	JBL	0068		0192	American High		- MGA	0049	- STS
Alaron	0193	JCB	0014	Runco	0617, 0031, 0044	Asha	0254			Samsung
America Action		JVC	0067	SSS	0194	Audiovox	0051	MGN Techno	0254	Sanky
	0765	KEC	0194	Sampo	0044	Beaumark	0254	MTO		- Sanky Sansui
Ampro	0194	KTV	0194, 0044	Samsung	0074, 0192, 0044	Bell & Howell	0118	MTC	0014, 0254	
Anam		Kenwood	0044	Sansei	0465	Broksonic	0135, 0198, 0223	Magnavox	0049, 0095, 0014,	Sanyo
Audiovox	0106, 0194, 0465, 0637	Konka	0721, 0646, 0642,	Sansui	0477	CCE	0086	Magnin	0053	Scott
Dovoonio	0194		0652, 0717	Sanyo	0168	Calix	0051	Magnin	0254	- Cooro
Baysonic		LXI	0168, 0061, 0068,	Scotch	0192	Canon	0049	Marantz	0095, 0049	Sears
Bell & Howell	0030, 0168		0170, 0192	Scott	0250, 0192, 0193,	Carver	0095	Marta	0051	Comp
Bradford	0194	Logik	0030		0194	Citizen	0051	Matsushita	0049, 0176	Semp
Broksonic	0250, 0477	MGA	0164, 0044, 0192	Sears	0168, 0170, 0061,	Colt	0086	Memorex	0118, 0061, 0014,	Sharp
СХС	0194	MTC	0074, 0044		0068, 0185, 0192,	Craig	0051, 0086, 0061,	-	0051, 0062, 0049,	Shintom
Candle	0044	Magnavox	0068, 0044, 0193		0193	Craig	0254		0254, 0053, 0176,	Shogun
Carnivale	0044	Majestic	0030	Semivox	0194	Curtis Mathes	0049, 0074, 0176	-	0223	Singer
Carver	0068	Marantz	0068, 0044	Semp	0170	Cybernex	0254	Minolta	0056	Sony
Celebrity	0014	Matsushita	0264	Sharp	0107, 0702		0254	Mitsubishi	0057, 0062, 0081	
Cineral	0465, 0106	Megatron	0159, 0192	Signature	0030	Daewoo		Motorola	0049, 0062	Sylvania
Citizen	0044, 0074, 0106	Memorex	0193, 0477, 0192,	Sony	0014	Denon	0056	Multitech	0014, 0086	
Contec	0194	Welliolex	0030, 0164, 0168,	Soundesign	0192, 0193, 0194	Dynatech	0014	NEC	0081, 0118	Symphonic
Craig	0194		0264	Squareview	0185	Electrohome	0051	Nikko	0051	ТМК
Crosley	0068	Midland	0031, 0061, 0065	Starlite	0194	Electrophonic	0051	Noblex	0254	Teac
Crown	0194	Minutz	0035	Supreme	0014	Emerex	0046	Olympus	0049	Technics
Curtis Mathes	0074, 0044, 0030,	Mitsubishi	0164, 0192, 0107	Sylvania	0068, 0044	Emerson	0198, 0223, 0135,	Optimus	0176, 0062, 0051,	Teknika
	0061, 0065, 0068,	Motorola	0107	Symphonic	0185		0014, 0051, 0057	-	0118	Thomas
	0107, 0159, 0168,	Multitech	0194	TMK	0192	Fisher	0061, 0118	Orion	0198, 0223	Tivo
	0180, 0465	NAD	0170, 0180, 0192	TNCi	0031	Fuji	0047, 0049	Panasonic	0049, 0176, 0630	Toshiba
Daewoo	0106, 0637, 0638,	NEC	0170, 0180, 0192		0107	Funai	0014	Penney	0049, 0254, 0051,	Totevision
	0465			Tandy		GE	0049, 0074, 0062,		0056	Unitech
Denon	0159	NTC	0106	Technics	0065, 0264		0254	Pentax	0056	Vector
Dumont	0031	Nikko	0192, 0044, 0106	Technol Ace	0193	Garrard	0014	Philco	0049, 0223	Video Conc
Dwin	0734	Onwa	0194	Techwood	0065	GoldStar	0051	Philips	0095, 0049, 0632	Videosonic
Electroband	0014	Optimus	0264, 0180, 0168	Teknika	0030, 0068, 0193,	Gradiente	0014	Pilot	0051	Wards
Emerson	0250, 0194, 0192,	Optonica	0107		0194, 0106, 0074,	HI-Q	0061	Pioneer	0081	
	0193, 0477, 0638,	Orion	0477, 0193, 0250		0164	Harley Davidso	on	Polk Audio	0095	-
	0637, 0168	Panasonic	0065, 0264	Toshiba	0170, 0074, 0168		0014	Profitronic	0254	White West
Envision	0044	Penney	0061, 0074, 0044,	Vector Resear		Harman/Kardor	n 0095	Proscan	0074	-
Fisher	0168		0035, 0192, 0065,	Victor	0067	Harwood	0086	Protec	0086	- XR-1000
Fujitsu	0193, 0697		0170	Vidikron	0068	Hitachi	0056, 0014	Pulsar	0053	Zenith
Funai	0194, 0185, 0193	Philco	0159, 0044, 0068,	Vidtech	0192	Hughes Netwo	ork Systems	Quasar	0049, 0176	-
Futuretech	0194		0477	Wards	0068, 0192, 0030,	Ĭ	0056	Quasai		
GE	0035, 0061, 0065,	Philips	0068		0035, 0044, 0193			-		
02	0192, 0465, 0107	Pilot	0044	White Westing						
Gibralter	0031, 0044	Pioneer	0180		0638, 0637, 0477					
GoldStar	0192, 0044	Portland	0106	Yamaha	0044					
Gradiente	0192, 0044	Princeton	0731	Zenith	0031, 0638, 0030,					
	0193, 0194	Prism	0065		0106, 0477					
Grunpy	0193, 0194									

You must en	ter all four digits	Hallmark	0192	Proscan	0061				0051	-
to program t	he TV setup	Harley Davids	on	Proton	0192		he VCR setup	KEC		- Dedie Chee
codes.	-		0193	Pulsar	0031	codes.		KLH	0086	Radio Shac
		Harman/Kardo	n 0068	Quasar	0065, 0264			Kenwood	0081	Radix
TV Brand	Codes	Harvard	0194	RCA	0061, 0065, 0107	VCR Brand	Codes	Kodak	0049, 0051	Randex
		Hitachi	0159, 0030	Radio Shack	0194, 0044, 0192,	Admiral	0062, 0223	LXI	0051	Realistic
AOC	0044	Infinity	0068		0168, 0061	Adventura	0014	Lloyd's	0014	
Admiral	0107, 0477	Integ	0031	Realistic	0194, 0168, 0044,	Aiwa	0014, 0051	Logik	0086	ReplayTV
Aiko	0106	JBL	0068		0192	American High		MEI	0049	Runco
Akai	0044	JCB	0014	Runco	0617, 0031, 0044	Antencan High	0254	MGA	0057, 0254	STS
Alaron	0193	JVC	0067	SSS	0194	Audiovox	0051	MGN Technol		Samsung
America Action		KEC	0194	Sampo	0044		0254		0254	Sanky
Ampro	0765	KTV	0194, 0044	Samsung	0074, 0192, 0044	Beaumark	0254	MTC	0014, 0254	Sansui
Anam	0194	Kenwood	0044	Sansei	0465	Bell & Howell		Magnavox	0049, 0095, 0014,	Sanyo
Audiovox	0106, 0194, 0465,	Konka	0721, 0646, 0642,	Sansui	0477	Broksonic	0135, 0198, 0223	-	0053	Scott
	0637	KUIIKä	0721, 0646, 0642, 0652, 0717	Sanyo	0168	CCE	0086	Magnin	0254	-
Baysonic	0194	LXI	0168, 0061, 0068,	Scotch	0192	Calix	0051	Marantz	0095, 0049	Sears
Bell & Howell	0030, 0168	LAI				Canon	0049	Marta	0051	_
Bradford	0194	Levil	0170, 0192 0030	Scott	0250, 0192, 0193,	Carver	0095	Matsushita	0049, 0176	Semp
Broksonic	0250, 0477	Logik			0194	Citizen	0051	Memorex	0118, 0061, 0014,	- Sharp
CXC	0194	MGA	0164, 0044, 0192	Sears	0168, 0170, 0061,	Colt	0086	momorow	0051, 0062, 0049,	Shintom
Candle	0044	MTC	0074, 0044		0068, 0185, 0192,	Craig	0051, 0086, 0061,		0254, 0053, 0176,	Shogun
Carnivale	0044	Magnavox	0068, 0044, 0193	<u>.</u>	0193	-	0254		0223	Singer
Carver	0068	Majestic	0030	Semivox	0194	Curtis Mathes	0049, 0074, 0176	Minolta	0056	- Sony
	0014	Marantz	0068, 0044	Semp	0170	Cybernex	0254	Mitsubishi	0057, 0062, 0081	
Celebrity		Matsushita	0264	Sharp	0107, 0702	Daewoo	0059	Motorola	0049, 0062	Sylvania
Cineral	0465, 0106	Megatron	0159, 0192	Signature	0030	Denon	0056	Multitech	0014, 0086	_ Sylvalla
Citizen	0044, 0074, 0106	Memorex	0193, 0477, 0192,	Sony	0014	Dynatech	0014	NEC	0081, 0118	- Symphonic
Contec	0194		0030, 0164, 0168,	Soundesign	0192, 0193, 0194	Electrohome	0051			- TMK
Craig	0194		0264	Squareview	0185	Electrophonic	0051	Nikko	0051	- Teac
Crosley	0068	Midland	0031, 0061, 0065	Starlite	0194	Emerex	0046	Noblex	0254	
Crown	0194	Minutz	0035	Supreme	0014	Emerson	0198, 0223, 0135,	Olympus	0049	Technics
Curtis Mathes	0074, 0044, 0030,	Mitsubishi	0164, 0192, 0107	Sylvania	0068, 0044	EIIIEISUII	0198, 0223, 0135, 0014, 0051, 0057	Optimus	0176, 0062, 0051,	Teknika
	0061, 0065, 0068,	Motorola	0107	Symphonic	0185	Fisher	0061, 0118	-	0118	Thomas
	0107, 0159, 0168,	Multitech	0194	ТМК	0192	Fuji	0047, 0049	Orion	0198, 0223	Tivo
	0180, 0465	NAD	0170, 0180, 0192	TNCi	0031			Panasonic	0049, 0176, 0630	Toshiba
Daewoo	0106, 0637, 0638,	NEC	0044	Tandy	0107	Funai GE	0014	Penney	0049, 0254, 0051,	Totevision
	0465	NTC	0106	Technics	0065, 0264	GE	0049, 0074, 0062,		0056	Unitech
Denon	0159	Nikko	0192, 0044, 0106	Technol Ace	0193	Gammand	0254	Pentax	0056	Vector
Dumont	0031	Onwa	0194	Techwood	0065	Garrard	0014	Philco	0049, 0223	Video Conc
Dwin	0734	Optimus	0264, 0180, 0168	Teknika	0030, 0068, 0193,	GoldStar	0051	Philips	0095, 0049, 0632	Videosonic
Electroband	0014		0107	TENTIKA	0194, 0106, 0074,	Gradiente	0014	Pilot	0051	Wards
Emerson	0250, 0194, 0192,	Optonica Orign			0194, 0100, 0074, 0164	HI-Q	0061	Pioneer	0081	_
	0193, 0477, 0638,	Orion	0477, 0193, 0250	Toshiba	0170, 0074, 0168	Harley Davidso		Polk Audio	0095	_
	0637, 0168	Panasonic	0065, 0264	Vector Resear			0014	Profitronic	0254	White West
Envision	0044	Penney	0061, 0074, 0044,			Harman/Kardor	n 0095	Proscan	0074	_
Fisher	0168		0035, 0192, 0065,	Victor	0067	Harwood	0086	Protec	0086	XR-1000
Fujitsu	0193, 0697		0170	Vidikron	0068	Hitachi	0056, 0014	Pulsar	0053	Zenith
Funai	0194, 0185, 0193	Philco	0159, 0044, 0068,	Vidtech	0192	Hughes Netwo	rk Systems	Quasar	0049, 0176	-
Futuretech	0194		0477	Wards	0068, 0192, 0030,		0056		3017, 0170	_
		Philips	0068		0035, 0044, 0193					
GE	0035, 0061, 0065		110 4 4	White Westing	house	1				
GE	0035, 0061, 0065, 0192, 0465, 0107	Pilot	0044	white westing						
	0192, 0465, 0107	Pioneer	0180		0638, 0637, 0477					
Gibralter	0192, 0465, 0107 0031, 0044	Pioneer Portland	0180 0106	Yamaha	0638, 0637, 0477 0044					
Gibralter GoldStar	0192, 0465, 0107 0031, 0044 0192, 0044	Pioneer	0180 0106 0731		0638, 0637, 0477 0044 0031, 0638, 0030,					
Gibralter	0192, 0465, 0107 0031, 0044	Pioneer Portland	0180 0106	Yamaha	0638, 0637, 0477 0044					

10 300	up obucs					VOIC SC	clup ooucs			
You must en	ter all four digits	Hallmark	0192	Proscan	0061		nter all four digits	JAC	0081	RCA
to program t		Harley Davids		Proton	0192	to program t	the VCR setup	KEC	0051	
codes.	lic i v setup	Turicy Durius	0193	Pulsar	0031	codes.		KLH	0086	Radio Sha
coues.		Harman/Kardo		Quasar	0065, 0264			Kenwood	0081	Radix
	Cadaa	Harvard	0194	RCA	0061, 0065, 0107	VCR Brand	Codes	Kodak	0049, 0051	Randex
	Codes	Hitachi	0159, 0030	Radio Shack	0194, 0044, 0192,	Admiral	0062, 0223	LXI	0051	Realistic
AOC	0044	Infinity	0068		0168, 0061	Adventura	0082, 0223	Lloyd's	0014	_
Admiral	0107, 0477	Integ	0031	Realistic	0194, 0168, 0044,			Logik	0086	ReplayTV
Aiko	0106	JBL	0068	Realistic	0194, 0100, 0044, 0192	Aiwa	0014, 0051	MEI	0049	Runco
Akai	0044	JCB	0014	Runco	0617, 0031, 0044	American High		MGA	0057, 0254	STS
Alaron	0193	JCP	0014	SSS	0194	Asha	0254	MGN Technol		Samsung
America Action	0194	KEC		Sampo	0044	Audiovox	0051		0254	Sanky
Ampro	0765		0194		0074, 0192, 0044	Beaumark	0254	MTC	0014, 0254	Sansui
Anam	0194	KTV	0194, 0044	Samsung		Bell & Howell	0118	Magnavox	0049, 0095, 0014,	Sanyo
Audiovox	0106, 0194, 0465,	Kenwood	0044	Sansei	0465	Broksonic	0135, 0198, 0223	magnaton	0053	Scott
	0637	Konka	0721, 0646, 0642,	Sansui	0477	CCE	0086	Magnin	0254	
Baysonic	0194		0652, 0717	Sanyo	0168	Calix	0051	Marantz	0095, 0049	Sears
Bell & Howell	0030, 0168	LXI	0168, 0061, 0068,	Scotch	0192	Canon	0049	Marta	0051	-
Bradford	0194	<del></del>	0170, 0192	Scott	0250, 0192, 0193,	Carver	0095	Matsushita	0049, 0176	- Semp
Broksonic	0194	Logik	0030		0194	Citizen	0051	Memorex	0118, 0061, 0014,	- Sharp
CXC	0194	MGA	0164, 0044, 0192	Sears	0168, 0170, 0061,	Colt	0086	Memorex		Shintom
		MTC	0074, 0044		0068, 0185, 0192,	Craig	0051, 0086, 0061,		0051, 0062, 0049, 0254, 0053, 0176,	
Candle	0044	Magnavox	0068, 0044, 0193		0193	ordig	0254			Shogun
Carnivale	0044	Majestic	0030	Semivox	0194	Curtis Mathes	0049, 0074, 0176	A Alice of the	0223	Singer
Carver	0068	Marantz	0068, 0044	Semp	0170	Cybernex	0254	Minolta	0056	Sony
Celebrity	0014	Matsushita	0264	Sharp	0107, 0702	Daewoo	0059	Mitsubishi	0057, 0062, 0081	
Cineral	0465, 0106	Megatron	0159, 0192	Signature	0030	Denon	0059	Motorola	0049, 0062	Sylvania
Citizen	0044, 0074, 0106	Memorex	0193, 0477, 0192,	Sony	0014			Multitech	0014, 0086	
Contec	0194	Welliorex	0030, 0164, 0168,	Soundesign	0192, 0193, 0194	Dynatech	0014	NEC	0081, 0118	Symphonic
Craig	0194		0264	Squareview	0185	Electrohome	0051	Nikko	0051	ТМК
Crosley	0068	Midland	0031, 0061, 0065	Starlite	0194	Electrophonic	0051	Noblex	0254	Teac
Crown	0194	Minutz	0035	Supreme	0014	Emerex	0046	Olympus	0049	Technics
Curtis Mathes	0074, 0044, 0030,	Mitsubishi	0164, 0192, 0107	Sylvania	0068, 0044	Emerson	0198, 0223, 0135,	Optimus	0176, 0062, 0051,	Teknika
	0061, 0065, 0068,	Motorola	0107	Symphonic	0185		0014, 0051, 0057		0118	Thomas
	0107, 0159, 0168,	Multitech	0194	TMK	0185	Fisher	0061, 0118	Orion	0198, 0223	Tivo
	0180, 0465					Fuji	0047, 0049	Panasonic	0049, 0176, 0630	Toshiba
Daewoo	0106, 0637, 0638,	NAD	0170, 0180, 0192	TNCi	0031	Funai	0014	Penney	0049, 0254, 0051,	Totevision
	0465	NEC	0044	Tandy	0107	GE	0049, 0074, 0062,		0056	Unitech
Denon	0159	NTC	0106	Technics	0065, 0264	1	0254	Pentax	0056	- Vector
Dumont	0031	Nikko	0192, 0044, 0106	Technol Ace	0193	Garrard	0014	Philco	0049, 0223	- Video Con
Dwin	0734	Onwa	0194	Techwood	0065	GoldStar	0051	Philips	0095, 0049, 0632	- Video Con
Electroband	0014	Optimus	0264, 0180, 0168	Teknika	0030, 0068, 0193,	Gradiente	0014	Pilot	0051	- Wards
Emerson	0250, 0194, 0192,	Optonica	0107		0194, 0106, 0074,	HI-Q	0061	Pioneer	0081	vvaius
LUICI JUII	0230, 0194, 0192, 0193, 0477, 0638,	Orion	0477, 0193, 0250		0164	Harley Davidso		Polk Audio	0095	_
	0193, 0477, 0638, 0637, 0168	Panasonic	0065, 0264	Toshiba	0170, 0074, 0168		0014			- White Wes
Envision	0037, 0108	Penney	0061, 0074, 0044,	Vector Resear	ch 0044	Harman/Kardor		Profitronic	0254	- write wes
	0168	,	0035, 0192, 0065,	Victor	0067	Harwood	0086	Proscan	0074	- VD 1000
Fisher			0170	Vidikron	0068	Hitachi	0056, 0014	Protec	0086	XR-1000
Fujitsu	0193, 0697	Philco	0159, 0044, 0068,	Vidtech	0192	Hughes Netwo		Pulsar	0053	Zenith
Funai	0194, 0185, 0193		0477	Wards	0068, 0192, 0030,	I lugites iverwo	0056	Quasar	0049, 0176	
Futuretech	0194	Philips	0068		0035, 0044, 0193		0000			
GE	0035, 0061, 0065,	Pilot	0044	White Westingh		1				
	0192, 0465, 0107	Pioneer	0180		0638, 0637, 0477	1				
Gibralter	0031, 0044	Portland	0106	Yamaha	0044	1				
GoldStar	0192, 0044	Princeton	0731	Zenith	0031, 0638, 0030,	1				
		ETHUCEIOH	0/31	LOIIIII		1				
Gradiente	0067	Prism	0065		0106, 0477					

# **VCR Setup Codes**

	ter all four digits	Hallmark	0192	Proscan	0061		nter all four digits the VCR setup	JVC KEC	0081 0051	RCA	0074, 0056, 0049 0062, 0254
to program t	he TV setup	Harley Davids		Proton	0192	codes.	the volt setup	KLH	0086	Radio Shack	0014
codes.			0193	Pulsar	0031	coues.		Kenwood	0081	Radix	0051
		Harman/Kardo		Quasar	0065, 0264			Kodak	0049, 0051	Randex	0051
TV Brand	Codes	Harvard	0194	RCA	0061, 0065, 0107	VCR Brand	a Codes	LXI	0051	Realistic	0014, 0118, 0061
AOC	0044	Hitachi	0159, 0030	Radio Shack	0194, 0044, 0192,	Admiral	0062, 0223	Lloyd's	0014	Realistic	0062, 0051, 0049
Admiral	0107, 0477	Infinity	0068		0168, 0061	Adventura	0014	Logik	0086	ReplayTV	0628, 0630
Aiko	0106	Inteq	0031	Realistic	0194, 0168, 0044,	Aiwa	0014, 0051	MEI	0049	Runco	0053
Akai	0044	JBL	0068		0192	American High		MGA	0057, 0254	STS	0056
Alaron	0193	JCB	0014	Runco	0617, 0031, 0044	Asha	0254	MGN Techno		Samsung	0059, 0254
America Action		JVC	0067	SSS	0194	Audiovox	0051	MON ICCIIIO	0254	Sanky	0053, 0062
Ampro	0765	KEC	0194	Sampo	0044	Beaumark	0254	MTC	0014, 0254	Sansui	0014, 0081, 0223
Anam	0194	KTV	0194, 0044	Samsung	0074, 0192, 0044	Bell & Howell	0118	Magnavox	0049, 0095, 0014,	Sanyo	0061, 0118, 0254
Audiovox	0106, 0194, 0465,	Kenwood	0044	Sansei	0465	Broksonic	0135, 0198, 0223	Magnavox	0053	Scott	0198, 0135, 0057
, luaio von	0637	Konka	0721, 0646, 0642,	Sansui	0477	CCE	0086	Magnin	0254	0000	0059
Baysonic	0194		0652, 0717	Sanyo	0168	Calix	0051	Marantz	0095, 0049	Sears	0051, 0056, 0014
Bell & Howell	0030, 0168	LXI	0168, 0061, 0068,	Scotch	0192	Canon	0049	Marta	0051	ordino	0049, 0061, 0118
Bradford	0194		0170, 0192	Scott	0250, 0192, 0193,	Carver	0095	Matsushita	0049, 0176	Semp	0059
Broksonic	0250, 0477	Logik	0030		0194	Citizen	0051	Memorex	0118, 0061, 0014,	Sharp	0062
CXC	0194	MGA	0164, 0044, 0192	Sears	0168, 0170, 0061,	Colt	0086	Memorex	0051, 0062, 0049,	Shintom	0086
Candle	0044	MTC	0074, 0044		0068, 0185, 0192,	Craig	0051, 0086, 0061,		0254, 0053, 0176,	Shogun	0254
Carnivale	0044	Magnavox	0068, 0044, 0193	Semivox	0193 0194		0254		0223	Singer	0086
Carver	0068	Majestic	0030			Curtis Mathes	0049, 0074, 0176	Minolta	0056	Sony	0047, 0046, 0014
Celebrity	0014	Marantz	0068, 0044	Semp	0170	Cybernex	0254	Mitsubishi	0057, 0062, 0081		0049, 0650
Cineral	0465, 0106	Matsushita	0264	Sharp	0107, 0702	Daewoo	0059	Motorola	0049, 0062	Sylvania	0049, 0095, 0014
Citizen	0044, 0074, 0106	Megatron	0159, 0192	Signature	0030	Denon	0056	Multitech	0014, 0086	, ,	0057
Contec	0194	Memorex	0193, 0477, 0192,	Sony	0014	Dynatech	0014	NEC	0081, 0118	Symphonic	0014
Craig	0194		0030, 0164, 0168, 0264	Soundesign	0192, 0193, 0194 0185	Electrohome	0051	Nikko	0051	ТМК	0254
Crosley	0068	Midlond		Squareview		Electrophonic	0051	Noblex	0254	Теас	0014
Crown	0194	Midland	0031, 0061, 0065 0035	Starlite	0194 0014	Emerex	0046	Olympus	0049	Technics	0049, 0176
Curtis Mathes	0074, 0044, 0030,	Minutz Mitsubishi		Supreme	0068, 0044	Emerson	0198, 0223, 0135,	Optimus	0176, 0062, 0051,	Teknika	0014, 0049, 0051
	0061, 0065, 0068,	Motorola	0164, 0192, 0107 0107	Sylvania	0185		0014, 0051, 0057		0118	Thomas	0014
	0107, 0159, 0168,	Multitech	0107	Symphonic TMK	0185	Fisher	0061, 0118	Orion	0198, 0223	Tivo	0632, 0650
	0180, 0465					Fuji	0047, 0049	Panasonic	0049, 0176, 0630	Toshiba	0059, 0057
Daewoo	0106, 0637, 0638,	NAD	0170, 0180, 0192	TNCi	0031	Funai	0014	Penney	0049, 0254, 0051,	Totevision	0051, 0254
	0465	NEC	0044	Tandy	0107	GE	0049, 0074, 0062,	,	0056	Unitech	0254
Denon	0159	NTC	0106	Technics	0065, 0264		0254	Pentax	0056	Vector	0059
Dumont	0031	Nikko	0192, 0044, 0106	Technol Ace Techwood	0193 0065	Garrard	0014	Philco	0049, 0223	Video Concep	ts 0059
Dwin	0734	Onwa	0194			GoldStar	0051	Philips	0095, 0049, 0632	Videosonic	0254
Electroband	0014	Optimus	0264, 0180, 0168	Teknika	0030, 0068, 0193, 0194, 0106, 0074,	Gradiente	0014	Pilot	0051	Wards	0049, 0074, 0014
Emerson	0250, 0194, 0192,	Optonica	0107		0194, 0108, 0074, 0164	HI-Q	0061	Pioneer	0081		0061, 0254, 0056
	0193, 0477, 0638,	Orion Panasonic	0477, 0193, 0250	Toshiba	0170, 0074, 0168	Harley Davids		Polk Audio	0095		0062, 0086, 0095
	0637, 0168		0065, 0264				0014	Profitronic	0254	White Westing	house
Envision	0044	Penney	0061, 0074, 0044,	Vector Resear Victor	<u>ch 0044</u> 0067	Harman/Kardo		Proscan	0074		0086, 0223
Fisher	0168		0035, 0192, 0065, 0170	Vidikron	0068	Harwood	0086	Protec	0086	XR-1000	0086, 0014, 0049
Fujitsu	0193, 0697	Dhilco				Hitachi	0056, 0014	Pulsar	0053	Zenith	0053, 0014, 0047
Funai	0194, 0185, 0193	Philco	0159, 0044, 0068, 0477	Vidtech Wards	0192 0068, 0192, 0030,	Hughes Netwo		Quasar	0049, 0176		0223
Futuretech	0194	Philips	0068	Walus	0088, 0192, 0030, 0035, 0044, 0193		0056				
GE	0035, 0061, 0065,	Plinips Pilot	008	White Westing							
	0192, 0465, 0107			write westing	0638, 0637, 0477						
Gibralter	0031, 0044	Pioneer	0180	Yamaha	0038, 0037, 0477						
GoldStar	0192, 0044	Portland	0106	Zenith	0031, 0638, 0030,						
Gradiente	0067	Princeton	0731	Zeniun	0031, 0638, 0030, 0106, 0477						
Grunpy	0193, 0194	Prism	0065		0100, 0477						