



Millennium Remote Setup Codes

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Millennium Remote Setup Codes

Section 1-Setting Up Your Equipment

Setting up your TV:

1. Turn Your TV ON
2. Using Pages 1&2, find the codes listed next to your Brand of TV.
3. On the Millennium, Press and Release the TV key.
4. Press and hold in the SETUP key, until the RED light flashes twice, release the **SETUP** key.
5. Using the number pad, enter in the first 4-digit code found next to your brand. The red light will flash twice after the last number entered if this was done correctly.
6. Aim the **Millennium** at your TV and press the **Power Key**. If the TV turns OFF, you have found the right code. If the TV does not turn OFF, repeat steps 3 through 6 using the next code listed for your Brand.

Setup Codes for your TV:

A-Mark	0003
Abex	0032
Admiral	0093
Adventura	0046
Aiko	0092
Akai	0030
Alaron	0179
Amabassador	0177
Anam	0180
Anam Nat.	0055
AOC	0030,0019,0003,0052, 0185
Archer	0003
Astro Text	0379
Audiovox	0180, 0003
Baysonic	0180
Belcor	0019
Bell & Howell	0154,0016, 0054
Bradford	0180
Brockwood	0019
Brocksonic	0236, 0436, 0180, 0003
Candle	0030, 0056, 0186, 0046
Carnivale	0030
Carver	0054
CCE	0217
Celebrity	0000
Citizen	0030, 0056, 0060, 0092, 0186,0280, 0039, 0046
Clairtone	0185
Concerto	0056

Contec	0157, 0158, 0180, 0185,
Craig	0180
Curtis Mathis	0030, 0060, 0154, 0039
CXC	0180
Daewoo	0451 , 0092, 0019, 0039
Daytron	0019
Denon	0145
Dumont	0017, 0019
Electrobrand	0000, 0185
Electrohome	0381, 0389, 0409
Emerson	0463, 0236, 0019, 0154, 0158, 0177, 0178, 0179, 0180, 0185, 0280, 282, 0038, 0039
Envision	0030
Fisher	0154, 0159
Fujitsu	0179
Funai	0171
Futurtech	0180
GE	0047, 0051, 0451, 0021, 0027, 0029, 0055, 0178, 0282, 0135, 0174, 0179
Gilbralter	0017, 0019, 0030
Goldstar	0056, 0019, 0030, 0178, 0409, 0032, 0039
Gradiente	0056, 0393, 0053
Grunpy	0180, 0179
Hallmark	0178
Harmon/Kardon	0078
Harvard	0180
Hitachi	0145, 0151, 0056, 0409, 0032, 0038
Infinity	0054
Janeil	0046
JBL	0054
JCB	0000
JVC	0053
Kawasho	0158
Keypani	0052
KEC	0180
Kenwood	0019, 0030
Kloss	0024, 0046, 0078
KTV	0030, 0180, 0185, 0217, 0280, 0039
LG	0056
Logik	0016
Luxman	0056
LXI	0047, 0054, 0154, 0156, 0178
Magnavox	0054, 0096,0186, 0187, 0020, 0024, 0028, 0030, 0386
Majestic	0016
Marantz	0054, 0030
Matsushita	0250
Megatron	0145, 0003, 0178
MEI	0185
Memorex	0056, 0150, 0154, 0178, 0016
MGA	0150, 0019, 0030, 0178
Midland	0017, 0032, 0039, 0047, 0051, 0135, 0021
Minutz	0021
Mitsubishi	0150, 0019, 0093, 0178

TV codes continued...

Motorola 0093, 0055
 MTC 0019, 0030, 0056, 0060, 0185
 Multitech 0180, 0217
NAD 0156, 0166, 0178
 NEC 0030, 0019, 0056
 Nikko 0092, 0030, 0178
 Noblex 0430
 Noshi 0018
 NTC 0092
Onwa 0180
 Optimus 0154, 0166, 0250
 Optonica 0093, 0156
 Orion 0236 (Try Emerson)
Panasonic 0250, 0051, 0055
 Penney (JC) 0047, 0051, 0156, 0178, 0030,
 0019, 0060, 0003, 0018, 0021,
 0027, 0032, 0039, 0135
 Philco 0054, 0096, 0145, 0019, 0020,
 0028, 0030, 0178, 0179
 Philips 0054
 Pilot 0019, 0030, 0039
 Pioneer, 0166, 0038
 Portland 0092
 Prism 0051
 Proscan 0047 (Try RCA)
 Proton 0003, 0052, 0178
 Pulsar 0017, 0019
Quasar 0250, 0051, 0055, 0165
RadioShack 0047, 0056, 0154, 0165, 0178,
0180, 0019, 0030, 0409, 0032,
0049
 RCA 0047, 0018, 0019, 0020, 0038,
 0090, 0135, 0174
 Realistic 0056, 0154, 0165, 0019, 0030,
 0178, 0180, 0032, 0039
 Rhapsody 0185
 Runco 0017, 0030
Sampo 0030, 0052, 0032, 0039
 Samsung 0060, 0019, 0030, 0056, 0178,
 0039
 Samsux 0039
 Sansui 0451
 Sanyo 0154, 0159, 0484, 0146
 Scimitsu 0019
 Scotch 0178
 Scott 0236, 0019, 0178, 0179, 0180
 Sears 0047, 0054, 0056, 0154, 0156,
 0171, 0178, 0179, 0159, 0146
 Semivox 0180
 Semp 0156
 Sharp 0093, 0165, 0157, 0386, 0039
 Shogun 0019
 Signature 0016
 Simpson 0186, 0187
 Sony 0000
 Soundesign 0178, 0179, 0180, 0186
 Spectricon 0003
 Squareview 0171
 SSS 0019, 0180
 Starlite 0180

Super-Macy 0046
 Supreme 0000
 Sylvania 0054, 0096, 0020, 0028, 0030,
 0381
 Symphonic 0171
Tandy 0093
 Tatung 0055, 0003
 Technics 0250, 0051
 Technol Ace 0179
 Techwood 0056, 0003, 0051
 Teknika 0092, 0150, 0054, 0056, 0060,
 0016, 0019, 0179, 0180,
 0186, 0039
 Telefunken 0056
 TMK 0056, 0177, 0178
 Toshiba 0156, 0154, 0060
 Tosonic 0185
 Totevision 0039
 Trical 0157
Universal 0027, 0021
Vector Research 0030
 Victor 0053
 Vidkron 0054
 Vidtech 0019, 0178
 Viking 0046
Wards (Mont.) 0030, 0054, 0056, 0096, 0165,
0016, 0019, 0020, 0021, 0027,
0028, 0029, 0174, 0178, 0179
Yamaha 0019, 0030
Zenith 0017, 0092, 0016
 Zondo 0003

Setting up your VCR:

1. Turn Your VCR ON
2. Using Pages 3&4, find the codes listed next to your Brand of VCR.
3. On the **Millennium**, Press and Release the VCR key.
4. Press and hold in the **SETUP** key, until the RED light flashes twice, release the **SETUP** key.
5. Using the number pad, enter in the first 4-digit code found next to your brand. The red light will flash twice after the last number entered if this was done correctly.
6. Aim the **Millennium** at your VCR and press the **Power Key**. If the VCR turns OFF, you have found the right code. If the VCR does not turn OFF, repeat steps 3 through 6 using the next code listed for your Brand.

Setup Codes for your VCR:

Admiral	0048
Adventura	0000
Aiko	0278
Aiwa	0000, 0037
Akai	0041, 0049, 0053, 0106
American High	0035
Asha	0240
Audiovox	0037
Beaumarck	0240
Bell & Howell	0104
Brocksonic	0209, 0121, 0479, 0184, 0211, 0295, 0361
Calix	0037
Canon	0035
Capehart	0020
Carver	0081
CCE	0072, 0278
Citizen	0037, 0278
Colt	0072
Craig	0037, 0047, 0072, 0240, 0271
Curtis Mathis	0035, 0041, 0060
Cybernex	0240, 0051
Daewoo	0278, 0020, 0045
Daytron	0020
Denon	0042
Dynatech	0000
Electrohome	0037
Electrophonic	0037
Emerex	0032
Emerson	0184, 0209, 0479, 0037, 0002, 0278, 0294, 0000, 0043, 0121,

	0068, 0036, 0088, 0208, 0211, 0212, 0295, 0361
Fisher	0104, 0054, 0047, 0066
Fuji	0033, 0035
Funai	0000
Garrard	0000
GE	0060, 0035, 0202 0065
Go Video	0232, 0279, 0432
Goldstar	0037, 0038
Gradiente	0000
Harley Davidson	0000
Harmon/Kardon	0038, 0075
Harwood	0068, 0072
Headquarter	0046
HI-Q	0047, 0000
Hitachi	0042, 0000, 0041, 0065, 0105, 0166
Jensen	0041
JVC	0041, 0008, 0067, 0206
KEC	0037, 0278
Kenwood	0041, 0038, 0067
KLH	0072
Kodak	0035, 0037
Lloyd's	0000, 0208
Logik	0072
LXI	0037
Magnavox	0081, 0035, 0039, 0149
Magnin	0240
Marantz	0035, 0081
Marta	0037
Matsushita	0162, 0035
MEI	0035
Memorex	0035, 0037, 0104, 0240, 0039, 0000, 0046, 0047, 0048
MGA	0043
MGN Tech.	0240
Minolta	0042, 0105
Mitsubishi	0043, 0067, 0075, 0173,
Motorola	0035, 0048
MTC	0000, 0240
Multitech	0000, 0072
NAD	0058
NEC	0038, 0040, 0041, 0067, 0104
Nikko	0037
Nikon	0034
Noblex	0240
Olympus	0035, 0226
Optimus	0037, 0048, 0104, 0162, 0058, 0432
Optonica	0062
Orion	0184, 0479, 0209, 0295
Panasonic	0162, 0035, 0226
Pennney (JC)	0035, 0037, 0240, 0038, 0040, 0042, 0054
Pentax	0042, 0065, 0105
Philco	0035, 0081
Philips	0081, 0035, 0062
Pilot	0037
Pioneer	0058, 0067
Portland	0020
Profitronic	0240

VCR Codes Continued...

Protec	0072
Pulsar	0039, 0051
Quarter	0046
Quartz	0046
Quasar	0162, 0035
RadioShack	0000, 0037
Radix	0037
Randex	0037
RCA	0060, 0149, 0042, 0065, 0105, 0106,
Realistic	0000, 0048, 0104, 0035, 0037, 0046, 0047, 0062, 0066
Ricoh	0034
Runco	0039
Salora	0075
Samsung	0240, 0045, 0051, 0053,
Sanky	0039, 0048
Sanyo	0104, 0046, 0047, 0240
Scott	0184, 0043, 0045, 0121, 0210, 0211
Sears	0104, 0035, 0037, 0042, 0046, 0047, 0054, 0066, 0105
Sharp	0048, 0062
Shintom	0072
Shogun	0240, 0051
Singer	0072
Sony	0032, 0033, 0034, 0035
STS	0042
Sylvania	0035, 0081, 0000, 0043
Symphonic	0000
Tatung	0041
TEAC	0000, 0041
Technics	0162, 0035
Teknika	0000, 0035, 0037
TMK	0240, 0036, 0208
Toshiba	0045, 0043, 0366, 0066, 0210, 0212
Totevision	0037, 0240
Unitech	0240
Vector	0045
Vector Res.	0038, 0040
Video Concepts	0040, 0045
Videosonic	0240
Wards (Mont.)	0000, 0035, 0042, 0047, 0048, 0240, 0060, 0062, 0072, 0081, 0149, 0212,
XR-1000	0000, 0035, 0072
Yamaha	0038
Zenith	0039, 0033, 0034

Setting up your TV/VCR Combination

1. Turn Your TV/VCR Combo ON
2. Using Pages 4&5, find the codes listed next to your Brand of TV/VCR Combo.
3. On the **Millennium**, Press and Release the VCR key.

4. Press and hold in the **SETUP** key, until the RED light flashes twice, release the **SETUP** key.
5. Using the number pad, enter in the first 4-digit code found next to your brand. The red light will flash twice after the last number entered if this was done correctly.
6. Aim the **Millennium** at your TV/VCR combo and press the **Power Key**. If the VCR turns OFF, you have found the right code. If the VCR does not turn OFF, repeat steps 3 through 6 using the next code listed for your Brand.

Setup Codes for TV/VCR Combination's

American High	0035*
Brocksonic	0002, 0294, 0479
Colt	0072
Curtis Mathis	0035*
Daewoo	0278
Emerson	0002, 0294, 0479
Funai	0000
GE	0035*, 0060*, 0048*, 0240
Hitachi	0035*, 0000
HQ	0000
Lloyds	0000
MGA	0240
Magnavox	0081*, 0035*, 0000
Magnin	0240
Memorex	0037, 0162*
Mitsubishi	0048*
Orion	0002, 0294, 0479
Panasonic	0035*, 0162*
Penney's(JC)	0035*, 0240, 0162*
Quasar	035*, 162
RCA	060*, 035*, 048*
Sansui	0000, 0479
Sanyo	0240
Sears	0000, 0037
Symphonic	0000
Zenith	0000

NOTE: If your TV/VCR is working on one of the above codes highlighted with an asterisk (*), you may need to program a separate TV code in order to control the volume. Check the list of codes below and follow the instructions detailed in the "Setting Up Your TV" section to program the supplied TV code.

TV/VCR Setup Codes Cont...

- TV/VCRs working on VCR code 0035 may require TV code 0051 for volume control.
- TV/VCRs working on VCR code 0048 may require TV code 0093 for volume control.
- TV/VCRs working on VCR code 0060 may require TV code 0047 for volume control.
- TV/VCRs working on VCR code 0081 may require TV code 0054 for volume control.
- TV/VCRs working on VCR code 0162 may require TV code 0250 for volume control.

To activate Volume Control on all other TV/VCR Combinations:

1. Press and hold in the **SETUP** key, until the RED light flashes twice, release the **SETUP** key.
2. Enter in 9-9-3 (Red Light will flash Twice after the 3), Press and Release the VCR key.

Setting Up Your Audio Equipment

1. Turn Your Audio Component ON
2. Using Pages 5 & 6, find the codes listed next to your Brand of Audio Component.
3. On the **Millennium**, Press and Release the Audio key.
4. Press and hold in the **SETUP** key, until the RED light flashes twice, release the **SETUP** key.
5. Using the number pad, enter in the first 4-digit code found next to your brand. The red light will flash twice after the last number entered if this was done correctly.
6. Aim the **Millennium** at your Audio Component and press the **Power Key**. If the Audio Component turns OFF, you have found the right code. If the Audio Component does not turn OFF, repeat steps 3 through 6 using the next code listed for your Brand. (For CD Players, use the **Play Key** to test).

Setup Codes for your CD Player

Aiwa	0124, 0157
Burmester	0420
Cal. Audio Labs	0029
Carver	0157, 0179, 0437
Denon	0003

DKK	0000
Emerson	0305
Fisher	0048, 0174, 0179
Garrard	0393, 0420
Gennexxa	0032, 0305
Hitachi	0032
JVC	0072
Kenwood	0028, 0037, 0048, 0190
Krell	0157
Linn	0157
LXI	0305
Magnavox	0157, 0305
Marantz	0029, 0157, 0180
MCS	0029
Mission	0157
MTC	0420
Nikko	0174
NSM	0157
Onkyo	0101
Optimus	0000, 0032, 0037, 0048, 0145, 0179, 0305, 0420, 0437, 0468
Panasonic	0029
Philips	0157
Pioneer	0032, 0244, 0305, 0468
Proton	0157
QED	0157
Quasar	0157
RCA	0279, 0305
Realistic	0179, 0180, 0420
Rotel	0157, 0420
SAE	0157
Sansui	0157, 0305
Sanyo	0179
Scott	0305
Sears	0305
Sharp	0037, 0180
Sherwood	0180
Sony	0000, 0185
Soundesign	0145
Tascam	0420
TEAC	0174, 0180, 0393, 0420
Technics	0029
Victor	0072
Wards	0157
Yamaha	0036
Yorx	0461

Setup Codes for Receivers

ADC	0531
Aiwa	0121, 0158, 0189
Capetronic	0531
Carver	0042, 0189
Casio	0195
Clarinette	0195
Denon	0004
Fisher	0042, 0219
Garrard	0463
Harmon/Kardon	0110
JVC	0074
Kenwood	0027, 0186

Receiver Codes Cont...

Linn	0189
Lloyds	0195
LXI	0181
Magnavox	0189, 0195, 0531
Marantz	0039, 0189
MCS	0039
Modulaire	0195
NAD	0320
Onkyo	0135
Optimus	0042, 0181, 0186, 0219, 0531, 0670
Panasonic	0039
Penney (JC)	0195
Philips	0189
Pioneer	0150, 0531, 0630
Quasar	0039
RCA	0054, 0530, 0531
Realistic	0181, 0195
Sansui	0189
Sanyo	0219
Sharp	0186
Sherwood	0502
Sony	0158, 0474
Soundesign	0670
TEAC	0463
Technics	0039, 0309, 0518
Victor	0074
Wards	0042, 0054, 0158, 0189
Yamaha	0176, 0186
Yorx	0195

Setup Codes for Amplifiers

Denon	0160
GE	0078
JVC	0331
Luxman	0165
Optimus	0013, 0300, 0395
Pioneer	0013, 0300
Realistic	0395
Sony	0220, 0689
Soundesign	0078, 0211
Technics	0308
Victor	0331
Wards	0013, 0078, 0211
Yamaha	0133

Setup Codes for Digital Audio Services

Gen. Instruments	0520, 0459
Scientific Atl.	0460

SECTION 2 - VOLUME LOCK

When you receive the remote, the volume is locked to the TV. This is to prevent the customer from experiencing audio problems that may occur if they were to control the volume through the Cable Box.

However, if the customer does not have a remote TV, they will want to change the volume to lock to the Cable Box.

TO LOCK THE VOLUME CONTROL TO CABLE:

1. Press and hold in the **SETUP** button until the RED light flashes twice.
2. Enter 9-9-3. The red light will flash twice indicating that this was done correctly.
3. Press and release the **CABLE** button.

Your remote control will now control the volume of your Cable Box.

TO LOCK THE VOLUME CONTROL TO THE STEREO

1. Press and hold in the **SETUP** button until the RED light flashes twice
2. Enter 9-9-3. The red light will flash twice indicating that this was done correctly.
3. Press and release the **AUDIO** button.

TO RETURN VOLUME CONTROL TO THE TV:

1. Press and hold in the **SETUP** button until the RED light flashes twice.
2. Enter 9-9-3. The red light will flash twice indicating that this was done correctly.
3. Press and release the **TV** button.

Your remote control will now control the volume For you TV

SECTION 3- Channel Control Lock

By activating this feature, your customers will have access to the channel control features of the cable converter. Your customer will no longer have channel control access for the TV or VCR.

To Activate Channel Control Lock:

1. Press and hold in the **SETUP** button until the RED light flashes twice.
2. Enter 9-9-6. The red light will flash twice indicating that this was done correctly.
3. Press and release the **Channel Up** button.

To De-Activate Channel Control Lock:

1. Press and hold in the **SETUP** button until the RED light flashes twice.
2. Enter 9-9-6. The red light will flash twice indicating that this was done correctly.
2. Press and release the **Channel Down** button.

Section 4: Programming the Power key to perform a mode specific All ON/OFF power sequence.

With the Millennium, you have the ability to program the **Power** key to turn on and off all of your equipment with the press of one key. This feature is designed to be mode specific, so that you do not lose individual power in all modes.

Programming a the Power key for All ON/OFF

1. Press and Hold in the **SETUP** key until the RED light flashes twice and then release the **SETUP** key
2. Enter in **9-9-5** (Red light will flash twice after the 5)
3. Press and release the Tune-In key to be programmed
4. Enter in **Cable+ Power, TV+Power, Cable**
5. Press and Hold in the **SETUP** key until the red light flashes twice and then release the **SETUP** key

Programming a Tune-In key for a feature found under the Door (i.e. FAV)

1. Press and Hold in the **SETUP** key until the RED light flashes twice and then release the **SETUP** key
2. Enter in **9-9-5** (Red light will flash twice after the 5)
3. Press and release the Tune-In key to be programmed
4. Press and release the **Cable** Key followed by the **FAV** key.
5. Press and Hold in the **SETUP** key until the red light flashes twice and then release the **SETUP** key

Programming a Tune-Key for a specific Channel(s)-Each Tune-In Key can hold up to 3 channels each.

1. Press and Hold in the **SETUP** key until the RED light flashes twice and then release the **SETUP** key.
2. Enter in **9-9-5** (Red light will flash twice after the 5)
3. Press and release the Tune-In key to be programmed.
4. Press and release the **Cable** key followed by the channel number to be programmed. (i.e. **3-9***)

*If you are programming a channel for a **Digital Converter**, you need to enter all channels as **3-digit channels**. If the channel you want is 39 then in step 4 you need to enter the channel as **0-3-9**.

Section 5: Deleting a Tune-In key*

1. Press and Hold in the **SETUP** key until the RED light flashes twice and then release the **SETUP** key
2. Enter in **9-9-5** (Red light will flash twice after the 5)
3. Press and release the Tune-In key to be deleted.
4. Press and Hold in the **SETUP** key until the red light flashes twice and then release the **SETUP** key.

*Even if you have three channels programmed onto one key, this step only needs to be done once.

Summary Of Steps

Basic Setup of Device

1. Press and Release the Device Key (i.e. TV)
2. Press and Hold in the **SETUP** key until the RED light flashes twice and then release the **SETUP** key
3. Enter in the 4-digit code for your brand

Search Method

1. Press and release the Device key (i.e. TV)
2. Press and Hold in the **SETUP** key until the RED light flashes twice and then release the **SETUP** key
3. Enter in **9-9-1** (Red Light will flash twice after the 1)
4. Aim remote at device and **slowly** alternate between pressing the **Power** key and the **Device** key until the Device turns **OFF**. Once the Device turns **OFF**, immediately stop and **Press and Release** the **SETUP** key to lock in the code.

Getting your Code

1. Press and release the Device Key (i.e. TV)
2. Press and Hold in the **SETUP** key until the RED light flashes twice and then release the **SETUP** key
3. Enter in **9-9-0** (Red Light will flash twice after the 0)
4. Press and release the number **1**, wait 3 seconds and count the flashes. No flashes indicate this part of your code is a **0**
5. Press and release the number **2**, wait 3 seconds and count the flashes. No flashes indicate this part of your code is a **0**
6. Press and release the number **3**, wait 3 seconds and count the flashes. No flashes indicate this part of your code is a **0**

Getting your Code cont...

7. Press and release the number **3**, wait 3 seconds and count the flashes. No flashes indicate this part of your code is a **0**

Reassigning a Device Key (ie. Making the Audio Key a Secondary TV Key)

1. Press and Hold in the **SETUP** key until the RED light flashes twice and then release the **SETUP** key
2. Enter in **9-9-2** (Red Light will flash twice after the 2)
3. Press and release the Device key to be duplicated (i.e. TV)
4. Press and release the destination Device key to be replaced (i.e. AUDIO)

Volume Lock

1. Press and Hold in the **SETUP** key until the RED light flashes twice and then release the **SETUP** key
2. Enter in **9-9-3**
3. Press and release the Device key in which you want volume control. (i.e. CABLE)

Channel Control Lock

1. Press and Hold in the **SETUP** key until the RED light flashes twice and then release the **SETUP** key
2. Enter in **9-9-6** (Red light will blink twice after the 6)
3. Press and release the **Channel Up** key

Channel Control Unlock

1. Press and Hold in the **SETUP** key until the RED light flashes twice and then release the **SETUP** key
2. Enter in **9-9-6** (Red light will blink twice after the 6)
3. Press and Release the **Channel Down** key.

Cable ID Unlock

1. Press and Hold in the **SETUP** key until the RED light flashes twice and then release the **SETUP** key
2. Enter in **9-9-7** (Red light will flash Twice after the 7)
3. Press and release the **Channel Down** key.

Cable ID Lock

1. Press and Hold in the **SETUP** key until the RED light flashes twice and then release the **SETUP** key
2. Enter in **9-9-7** (Red light will flash Twice after the 7)
3. Press and release the **Channel UP** key.

HELPFUL HINTS

Included in this section are reference guides for TV and VCR brands that either have numerous model numbers or manufacturers.

Wards (Montgomery Wards)

As you can see in the code section for Televisions and VCRs, there are numerous Wards codes listed. The model numbers for these Televisions and VCRs will begin with three letters. Included is a cross-reference guide that will let you know who the actual manufacturer is for that TV or VCR. (i.e. If the model number begins with JSJ, you know that this piece of equipment is made by Sharp, so use the codes for Sharp in the User's Guide).

Sears

As you can see in the code section for Televisions and VCRs, there are numerous Sears codes listed. The model numbers for these Televisions and VCRs will begin with three numbers. Included is a cross-reference guide that will let you know who the actual manufacturer is for that TV or VCR. (i.e. If the model number begins with 564, you know that this piece of equipment is made by Sanyo, so use the codes for Sanyo in the User's Guide).

Emerson

As you can see in the code section for Televisions and VCRs, there are numerous Emerson codes listed. Included is a list of model numbers that will give you the exact code that you need for a particular Emerson TV or VCR model. (i.e. You have an Emerson TV model # TC091R, you know that the code you need is T282; T before the code indicates it's a TV code and V before the code indicates it's a VCR code).

Penney's (J.C. Penney)

As you can see in the code section for Televisions and VCRs, there are numerous Penney's codes listed. The model number for these Televisions will most likely begin with a 685 prefix, while the VCRs will most likely begin with a 686 prefix. Included is a list of suffixes that will tell you what the exact code is that you need for a particular Penny's TV or VCR (i.e. You have a Penny's TV model # 685-1916, you know the code you need is T030; T before the code indicates it's a TV code and V before the code indicates it's a VCR code).

TV/VCR Combinations

The programming of these can be a little tricky in that they usually operate from the VCR mode, with a VCR code. In some instances indicated by a "*" you will need a TV code as well as a VCR code. The trickiest part is getting the volume working, which is described on the TV/VCR combo page.

Obscure Brand Names

You may run into brands that either are not listed or do not operate on the codes listed for them. These brands will usually operate on the same codes as certain more popular brands. For example, Crosley televisions, while not extremely popular, use the same codes as Magnavox. There are over 50 brands that can be cross-referenced to more popular manufacturers.

Wards Source List

(Match the first three letters of the model with the brands listed below)

Admiral	ADM
Crosley	CRO
Emerson	GEE, GSA
Fisher	UFI, VSK
GE	GRD, GGD, GGV, GEN, KGB
Goldstar	LGS
Gran Prix	GPX
Hitachi	GNN, CVN
Magnavox	GNB
Marantz	GPM
Multitech	GVT
NEC	GNW, NEC
Orion	GOJ
Panasonic	UPG, JMF
Pioneer	GPA
Quasar	GOF, GQF
RCA	GRD
Samsung	KSK, JSS
Sanyo	USK
Sharp	JSJ, JSA, GSK, UFE
Shirasuna	JSS
Sony	JSN
Soundesign	GSA
Symphonic	JFA
Toshiba	GTA
Zenith	GZA, UZN

Codes listed in the User's Guide:

16 TV codes (0165, 0016, 0093, 0154, 0019, 0020, 0021, 0027, 0028, 0030, 0054, 0056, 0080, 0096, 0111, 0178)

12 VCR codes (0048, 0000, 0035, 0042, 0047, 0060, 0062, 0072, 0081, 0149, 0212, 0240)

Models in **BOLD** are most common TV and VCR brands.

SEARS SOURCE LIST

(Match the first three numbers of the model with the brands listed below)

Amstrad	661
Emerson	758
Fisher	143
GE	363
Goldstar	580
Hitachi	934
Koss	366
Magnavox	626
Marantz	773
Matsushita	116
Motorola	716
Panasonic	222, 568, 586
Pioneer	190
Proton	484
RCA	274
Samsung	401
Sanyo	564
Sharp	289
Sherwood	724
Sony	474
Soundesign	174
Technics	459
Toshiba	420, 562
York	342
Zenith	864

Codes listed in the User's Guide:

11 TV codes (0154, 0047, 0054, 0056, 0146, 0149, 0156, 0159, 0171, 0178, 0179).

9 VCR codes (0035, 0000, 0037, 0042, 0046, 0047, 0054, 0066, 0104, 0105)

Models in **BOLD** are the most popular TV and VCR brands.

EMERSON MODEL #'s AND CODES

(Match the model # with the corresponding code. T=Television V=VCR)

<u>MODEL #</u>	<u>CODE</u>	<u>MODEL #</u>	<u>CODE</u>
076M056100	T0236	M19R	T0178
CS990	V0184	M195R	T0178
DN3877	T0282	M1975R	T0180
ECR1350	T0180	M20R	T0178
ECR136	T0180	M20RC	T0179
ECR137	T0177	M2550RD	T0180
ECR138	T0177	M2550RDA	T0236
ECR138A	T0177	MS1980R	T0180
ECR139	T0177	MS198R	T0181
ECR1424	T0180	MS198RA	T0180
ECR161	T0178	MS199R	T0180
ECR162	T0185	MS250R	T0181
ECR210	T0039	MS250RA	T0180
ECR2100	T0180	MS250RD	T0180
ECR2100D	T0180	MS251D	T0178
ECR211	T0158	MS251DA	T0178
ECR212	T0177	MS251R	T0178
ECR214	T0177	MS2580D	T0180
ECR214D	T0177	MS2580RDA	T0180
ECR215	T0038	MS2700RD	T0180
ECR215D	T0183	MS2700RDA	T0180
ECR216	T0177	MS30R	T0178
ECR216A	T0177	MS30RB	T0178
ECR21DA	T0039	MS30RBK	T0178
ECR221	T0178	MTR1910	T0177
ECR222	T0178	PN3877	T0282
ECR870	V0061	SATURNO	T0087
ET14J2	T0451	SVR115	V0209
ET20J2	T0451	TC0910R	T0282
EV304N	V0278	TC0916	T0282
EV504N	V0278	TC1917	T0282
EV804N	V0278	TC0918	T0236
EVT14F7	T0624	TC1316A	T0282
EVT14F7	V0278	TC1316R	T0282
EVT20F7	T0624	TC1316RN	T0282
EVT20F7	V0278	TC1352	T0236
GEMINI	T0087	TC1360	T0236
M1325R	T0182	TC1365A	T0236
M1325R	T0179	TC1365B	T0236
M1375	T0179	TC1365G	T0236
M1375R	T0179	TC1366	T0236
M1375RA	T0179	TC1369	T0179
M13R	T0178	TC1371	T0282
M13RS	T0019	TC1372A	T0463
		TC1375	T0236

<u>MODEL #</u>	<u>CODE</u>	<u>MODEL #</u>	<u>CODE</u>
TC1375A	T0463	TS4650B	T0270
TC1379	T0179	TS4650D	T0270
TC1380	T0236	VCP661	WIRED
TC1532	T0236	VCP663	WIRED
TC1933	T0280	VCP675	V0295
TC1960	T0236	VCP680	V0361
TC1965	T0236	VCP681	V0209
TC1965A	T0180	VCR100	V0209
TC1965D	T0236	VCR1000	V0184
TC1966	T0236	VCR1795	V0184
TC1966D	T0236	VCR1795S	V0184
TC1969	T0179	VCR2000	V0184
TC1970	T0280	VCR2001	V0184
TC1972A	T0463	VCR3000	V0184
TC1972D	T0236	VCR3001	V0184
TC1972DA	T0463	VCR3002	V0184
TC1975A	T0463	VCR4000	V0184
TC2020D	T0236	VCR4002	V0184
TC2041C	T0236	VCR4003	V0184
TC2551RD	T0236	VCR592	V0209
TC2554RD	T0236	VCR754	V0211
TC2555	T0236	VCR755	V0121
TC2555DA	T0236	VCR765	V0121
TC2556D	T0463	VCR765N	V0184
TC2556DA	T0463	VCR766	V0184
TC2761	T0236	VCR767	V0184
TC4253	T0039	VCR850	V0208
TC4351	T0179	VCR862	V0212
TC4352	T0179	VCR870	V0000
TF2537DA	T0463	VCR870A	V0208
TF2587DA	T0463	VCR870H	V0208
TIGER	T0213	VCR872	V0211
TRISTAR	T0087	VCR873	V0209
TS1995	T0179	VCR874	V0068
TS2041D	T0236	VCR875	V0121
TS2581RD	T0236	VCF879	V0211
TS2585D	T0236	VCR885	V0184
TS2586D	T0236	VCR885N	V0184
TS2587D	T0236	VCR900	WIRED
TS2587DA	T0463	VCR910	V0061
TS2760D	T0236	VCF920	V0043
TS2761D	T0236	VCR951A	V0088
TS3050	T0236	VCR951H	V0036
TS4354	T0179	VCR952	V0209
TS4451	T0236	VCR953A	V0212
TS4451A	T0236	VCR953B	V0121
TS4551D	T0180	VCR964	V0184
TS4650A	T0270	VCR964N	V0184

<u>MODEL #</u>	<u>CODE</u>
VCR968	V0184
VCR977	V0184
VCR988	V0037
VCR990	V0184
VCS955	V0208
VCS955A	V0088
VCS966A	V0211
VCS966H	V0036
VCS977	V0036
VCS977A	V0211
VCS990	V0184
VR4250	V0278
VR4450	V0278
VT0950	T0236/V0294
VT0950N	T0236/V0294
VT0951	V0479
VT0954	V0479
VT0955	V0479
VT1315	V0510
VT1320	V0002
VT1321	V0002
VT1322	V0002
VT1920	V0002
VT1921	V0002
VT1922	V0002
VT2522D	V0002
VT4490D	V0002
VT4990	V0002
VT4990D	V0002

J.C. PENNEY MODEL #'s AND CODES

(TVs will start with 685-____, VCRs will start with 686-____)
 (Match the last four digits of the model for the corresponding code)

<u>MODEL #</u>	<u>CODE</u>	<u>MODEL #</u>	<u>CODE</u>
0405	V0035	2137	T0060
1916	T0030	2138	T0060
1991	T0309	2139	T0060
1996	T0003	2140	T0060
1997	T0030	2141	T0039
2008	T0135	2146	T0030
2039	T0110	2147	T0060
2044	T0135	2148	T0030
2045	T0135	2149	T0030
2051	T0135	2149	V0038
2053	T0135	2158	T0060
2057	T0135	2161	T0060
2060	T0018	2165	T0051
2061	T0018	2176	T0030
2062	T0021	2178	T0060
2063	T0135	2178	V0240
2065	T0149	2180	T0030
2067	T0021	2193	T0002
2072	T0030	2204	V0037
2073	T0030	2217	T0030
2074A	T0030	2218	T0030
2075	T0135	2220	T0030
2076	T0135	2275	V0240
2081	T0032	2285	T0030
2083	T0039	2286	T0060
2094	T0047	2288	T0060
2095	T0156	2289	V0240
2098	T0018	2291	T0051/V0035
2099	T0021	2292	T0051/V0035
2100	T0021	2293	V0240
2102	T0178	2294	T0178
2108	T0047	2297	T0060
2111	T0047	2298	T0002
2115	T0021	2299	T0178
2116	T0047	2301	T0051/V0035
2117	T0039	2498	T0178
2126	T0047	2498	V0037
2127	T0047	2500	T0032
2131	T0047	2501	T0018
2132	T0047	2503	T0021
2136	T0060	2504	T0021

<u>MODEL #</u>	<u>CODE</u>	<u>MODEL #</u>	<u>CODE</u>
2505	T0021	4206	T0135
2506	T0047	4207	T0047
2507	T0047	4208	T0047
2508	T0047	4212	T0018
2509	T0060	4213	T0018
2511	T0030	4214	T0018
2512	T0030	4215	T0021
2514	T0047	4216	T0021
2515	T0047	4217	T0021
2516	T0060	4218	T0021
2517	T0060	4221	T0047
2519	T0060	4222	T0047
2527	T0178	4223	T0047
2533	T0178	4224	T0047
2533	V0037	4226	T0047
2709	T0060	4228	T0047
2711	T0060	4230	T0047
2712	T0051	4408	T0018
4013	T0178	4501	T0018
4014	T0178	4502	T0021
4015	T0021	4503	T0047
4016	T0021	4504	T0047
4018	T0047	4505	T0047
4019	T0047	4507	T0030
4020	T0047	4507	V0038
4021	T0047	4508	T0051/V0035
4022	T0047	5038	V0035
4023	T0047	5053	V0054
4024	T0047	5067	V0042
4026	T0047	5071	V0035
4027	T0178	5072	V0042
4028	T0002	5073	V0035
4029	T0002	5074	V0035
4104	T0178	5115	V0035
4110	T0135	6038	V0037
4113	T0178	604025	T0047
4115	T0030	6054	V0037
4115	V0038	6060	V0240
4120	T0002	6064	V0035
4130	T0002	6071	V0035
4150	T0051	6079	V0035
4161	T0060	6080	V0037
4162	T0060	6081	V0042
4163	T0060	6085	V0040
4201	T0135	6087	V0035
4202	T0135	6088	T0030
4203	T0021	6088	V0038
4205	T0135	6182	V0035

<u>MODEL #</u>	<u>CODE</u>
6184	V0035
6192	V0035
6568	V0240
6569	V0037
6575	V0042
6585	V0240
9560	V0240

COMBINATION BRANDS AND CODES

VCR 0000

Aiwa	Sanyo
Funai	Sears
Harley Davidson	Signature
HQ	Sylvania
Lloyd's	Symphonic
Magnavox	Thomas
Sansui	Zenith

VCR 0240

GE	RCA
JC Penney	Samsung
Magnin	Sanyo
MGA	Telecorder
MGN	Totevision
Proscan	

VCR 0072

Colt

VCR 0037

Goldstar	Radio Shack
Memorex	Realistic
Optimus	Zenith

VCR 0002

Broksonic
Emerson
Orion

VCR 0294

Broksonic
Emerson
Orion

VCR 0479

Emerson	1994-1998 models
Sansui	1994-1998 models

VCR 0035/TV 0051*

American High	Panasonic
Curtis Mathes	Quasar
GE	RCA
Hitachi	Sylvania
JC Penney	Video-Viewer
Magnavox	Videotronic

VCR 0048/TV 0093*

Memorex	RCA
Mitsubishi	Realistic
Optimus	Sharp
Proscan	

VCR 0060/TV 0047*

GE
Proscan
RCA

VCR 0081/TV 0054*

Magnavox
Philips
Sylvania

VCR 0162/TV 0250*

Optimus	
Panasonic	1994-1998 models
Quasar	1994-1998 models

*Note: a) VCR combo codes with an accompanying TV code require the TV code for volume control.

b) VCR codes without an accompanying TV code require the following sequence to activate the volume: Press and hold the **SETUP** button until the red light flashes twice. Release the **SETUP** button. Enter **9-9-3**. Press the **VCR** button.

OBSCURE BRAND NAMES WITH RELATED MANUFACTURERS

The following list is a cross-reference to help identify makers of certain brands. If the code for the obscure brand does not work or is not listed, use the related brand's codes. For instance, if you can't find the code for an Accuscan television in the User's Guide, look up RCA. Use the RCA codes and you will find one that operates the television.

<u>Obscure Brand</u>	<u>Related Brand</u>	<u>Obscure Brand</u>	<u>Related Brand</u>
1. Accuscan	1. RCA	38. Proscan	38. RCA
2. Action	2. AOC	39. Pulsar	39. Daewoo
3. Admiral	3. Sharp	40. Pulser	40. Daewoo
4. Adventura	4. Symphonic	41. Scott	41. Emerson
5. Benchmark	5. Samsung	42. Seimitsu	42. Daewoo
6. Blackstripe	6. Toshiba	43. Signature	43. (Montgomery)
7. Brockwood	7. Emerson	Wards	
8. Broksonic	8. Emerson	44. SR 2000/3000	44. Sears
9. Capehart	9. AOC	45. Starlite	45. Emerson
10. Citek	10. Teknika	46. Symphonic	46. Funai
11. Clairtone	11. Emerson	47. Thompson	47. RCA
12. Classic	12. Daewoo,	48. TMK	48. Emerson
Goldstar		49. Truetone	49. Panasonic
13. Crosley	13. Magnavox	50. Ultra	50. Daewoo
14. Daytron	14. Daewoo	51. XR1000	51. Funai
15. Dementia	15. RCA		
16. Dumont	16. Samsung		
17. Fortress	17. Sharp		
18. Hallmark	18. Emerson, Sampo		
19. Harley Davidson	19. Emerson		
20. Harvard	20. Emerson		
21. IMA	21. Emerson		
22. Inteq	22. Zenith		
23. Kaypani	23. AOC		
24. KTV	24. Emerson		
25. Lloyd's	25. Emerson		
26. Matsushita	26. Panasonic		
27. Matrix	27. Goldstar		
28. Minolta	28. Hitachi		
29. Mona	29. MTC		
30. MTX	30. Funai		
31. Orion	31. Emerson		
32. Paxonic	32. Samsung		
33. PCE	33. Toshiba		
34. Precision	34. Emerson		
35. Prima	35. Curtis Mathes		
36. Performance	36. Sony		
37. Philips	37. Magnavox		

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