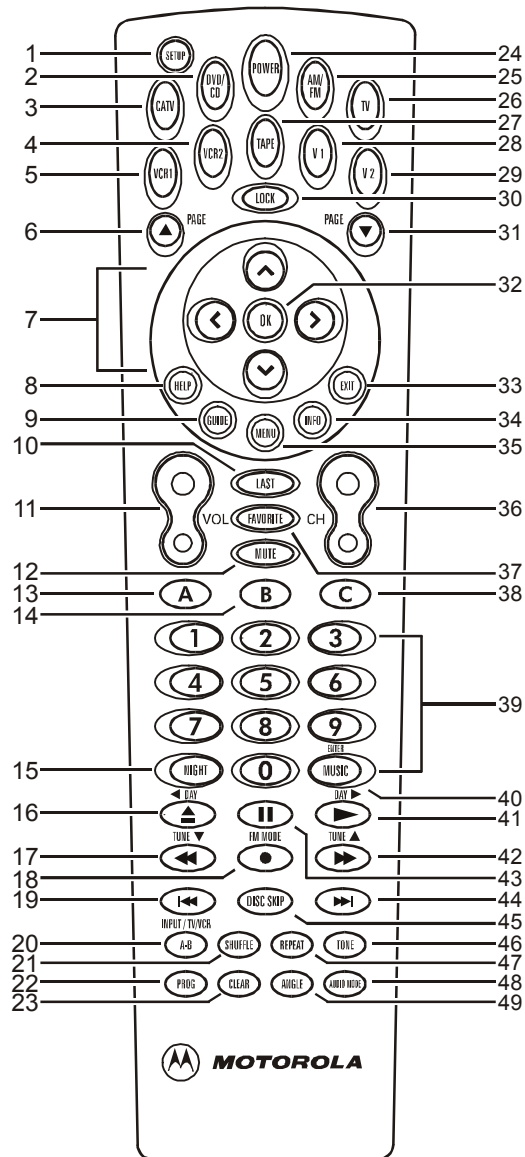


Operating the Remote Control

The DCP501 uses the DCP501-R Universal Remote Control. Figure 6 illustrates the DCP501-R Universal Remote Control:

Figure 6
Remote control



Descriptions of the remote control functions are shown in the following table.

When you press a button on the remote control, a mode button (CATV, DVD/CD, VCR1, VCR2, Tape, AM/FM, TV, V1 or V2) will turn on to indicate the current mode.

Button	Item	Description
1	SETUP	Press Once: DCP501 A/V configuration menus.
2	DVD/CD	Select DVD/CD as source. (Remote control remains in tuner mode.)
3	CATV	Select Cable TV as source.
4	VCR2	Select VCR 2 as source. Select VCR 2 remote control button codes.
5	VCR1	Select VCR 1 as source. Select VCR 1 remote control button codes.
6	PAGE ▲	CATV application controlled.
7	Cursor keys	Any DCP501 source: DCP501 display/on-screen display and CATV application control. TV source: Move cursor up/down/left/right. VCR 1 or VCR 2 source: Move cursor up/down/left/right.
8	HELP	Press once: CATV application controlled. (The CATV button does not turn on.)
9	GUIDE	CATV application controlled.
10	LAST	CATV application controlled.
11	VOL	Raise or lower speaker level.
12	MUTE	Any DCP501 source: mute speaker and pre-amplifier outputs. TV source: mute speaker output .
13	A	CATV application controlled.
14	B	CATV application controlled.
15	NIGHT	Press once: DIM mode DCP501 display dims and audio plays at maximum dynamic range. Press twice: DIM+SOFT mode DCP501 display dims and audio plays at minimum dynamic range. Press three times: DIM+LOUD mode DCP501 display dims and audio plays at standard dynamic range. Press four times: NORMAL mode DCP501 display is not dimmed and audio plays at maximum dynamic range.
16		Cable TV source: CATV application controlled. DVD/CD source: - Press once (in playback): stop playback (resume possible). - Press twice (in playback): stop playback. - Press once (not in playback): open DVD/CD tray. - Press once (tray open): close DVD/CD tray. VCR 1 or VCR 2 source: - Press once (in playback): stop playback. - Press once (not in playback): eject VHS cassette.

Button	Item	Description
17	TUNE ▼ ◀◀	Cable TV source: CATV application controlled. DVD/CD source: - Press once: rewind and play (rewind 1). - Press twice: rewind and play (rewind 2). - Press three times: rewind and play (rewind 3). - Press four times: rewind and play (rewind 4 for DVD only). - Press again: rewind and play (rewind 1). Tuner source: - Press to decrease radio tuner frequency - Momentarily hold to scan to previous strongest signal (station). Press again to stop scanning. VCR 1 or VCR 2 source: Rewind and play cassette (in playback) or rewind cassette (not in playback).
18	FM MODE ●	Cable TV source: CATV application controlled. Tuner source: - Press once: force FM station to mono - Press twice: return to normal VCR 1 or VCR 2 source: one touch record, start VCR record.
19	⏮	In playback: Press to select previous chapter (track)
20	INPUT/TV/VCR A-B	DVD/CD playback: - Press once: Select start of sequence for repeat play. - Press twice: Mark end of sequence and begin sequence playback.
21	SHUFFLE	CD source: Press once: shuffle current CD tracks
22	PROG	Press Once: program DVD/CD playback list (on-screen display) Press Twice: program CD playlist on DCP501 display
23	CLEAR	In playback: clear A-B, Shuffle, Repeat, or Program playback modes and resume normal mode. Not in playback: clear A-B, Shuffle, Repeat, or Program playback modes.
24	POWER	Place DCP501 in standby mode. Turns power off/on on TV, VCR 1, VCR 2, Video 1 and Video 2 units.
25	AM/FM	If Tuner not source: selects Tuner as source Tuner source: change radio band (AM→FM, FM→AM)
26	TV	Select TV remote control button codes. Remote control will be in TV mode. Note that pressing the TV button will not affect the current mode of the DCP501.
27	TAPE	Select Tape as source.
28	V1	Select Video 1 as source. Select Video 1 remote control button codes.
29	V2	Select Video 2 as source. Select Video 2 remote control button codes.
30	LOCK	CATV application controlled.
31	PAGE ▼	CATV application controlled.

Button	Item	Description
32	OK	Any DCP501 source: select current item on DCP501 display/on-screen display or select CATV application controlled item. TV source: Functions as ENTER key. VCR 1 or VCR 2 source: Functions as ENTER key.
33	EXIT	Cable TV source: exit a menu screen or program guide. TV source: exit menu. VCR 1 or VCR 2 source: exit menu.
34	INFO	CATV source: CATV Application controlled. DVD/CD source: Display DVD/CD information banners.
35	MENU	Cable TV source: CATV application controlled. DVD/CD source: DVD menu. TV Source: TV menu. VCR 1 or VCR 2 source: VCR menu.
36	CH	Cable TV source: CATV application controlled. Tuner source: Go to next + or previous – stored preset station. TV source: Go to next + or previous – channel. VCR 1 or VCR 2 source: Go to next + or previous – channel.
37	FAVORITE	CATV application controlled.
38	C	CATV application controlled.
39	Number keys	Number entry.
40	ENTER/ MUSIC	CATV application controlled. Any non-DCP501 source: Functions as ENTER key.
41	DAY ► ►	Cable TV source: CATV application enabled. DVD/CD source: Begin/resume playback (if DVD/CD tray closed). Close tray and begin playback (if DVD/CD tray open). VCR 1 or VCR 2 source: Begin playback.
42	TUNE ▲ ►►	Cable TV source: CATV application enabled. DVD/CD source: - Press once: fast forward and play (fast forward 1). - Press twice: fast forward and play (fast forward 2). - Press three times: fast forward and play (fast forward 3). - Press four times: fast forward and play (fast forward 4 for DVD only). - Press again: fast forward and play (fast forward 1). Tuner source: - Press to increase radio tuner frequency - Momentarily hold to scan to next strongest signal (station). Press again to stop scanning. VCR 1 or VCR 2 source: Fast forward and play cassette (in playback). Fast forward cassette (not in playback).
43	II	Cable TV source: CATV application controlled. DVD/CD source: - Press once: pause playback. - Press twice: frame advance (DVD only).
44	►►	In playback: Select next chapter (track).

Button	Item	Description
45	DISC SKIP	Not used on the DCP501.
46	TONE	Press once: enter Bass Level Change mode. Press twice: enter Treble Level Change mode. Press three times: enter Balance Level Change mode. Press four times: enter Fader Level Change mode.
47	REPEAT	DVD/CD playback: ▪ Press Once: repeat playback of current disc. ▪ Press Twice: repeat playback of current title/track. ▪ Press Three Times: repeat playback of current chapter (DVD only). ▪ Press Again: clear the repeat function.
48	AUDIO MODE	Select surround sound mode (toggle through all available modes).
49	ANGLE	DVD/CD source: Change DVD camera angle (if supported by disc).

Selecting TV and VCR Setup Codes

You can set up your remote control for your TV and VCR by consulting the tables in “TV and VCR Setup Codes”. You only need to set up your remote control for your TV, VCR 1 and VCR 2 (if applicable).

To set up your remote control for your TV or VCR(s):

- 1 Press the mode button for the device you are setting up (either TV, VCR 1 or VCR 2) for six seconds.

The mode buttons will turn on and turn off one at a time. This sequence will repeat two times and then the selected mode button will remain on. This indicates the remote is ready to accept the four-digit setup code.

- 2 Enter the four-digit setup code for your TV or VCR. The setup code can be found in “TV and VCR Setup Codes”.

When the setup code is accepted, the selected mode button will blink three times.

If the setup code is not accepted or more than ten seconds have elapsed between button presses, the selected mode button turns off. The TV or VCR then exits the programming mode and the most recent pre-programmed setup code is restored.

You can only set up your remote control while in TV, VCR 1 or VCR 2 mode.

You can exit the setup mode at any time by pressing any button on the remote other than the number buttons.

Verifying a Setup Code Using Blink Back

You can use the remote control's *blink back* function to verify a previously entered setup code. The blink back function verifies a setup code by indicating the setup code number through a certain number of blinks on the **1**, **2**, **3**, and **4** buttons on your remote control.

To verify a setup code using blink back:

- 1 Press the mode button for the device you are verifying (either TV, VCR 1 or VCR 2) for six seconds.

The mode buttons will turn on and turn off one at a time. This sequence will repeat two times and then the selected mode button will remain on. This indicates the remote is ready to accept the blink back code.

- 2 Press **9 9 0** on your remote control.

The selected mode button will blink three times and turn off.

- 3 Press **1** on your remote control. The **1** button will blink for a certain number of times.

The number of blinks that occur after pressing the number buttons represent the four-digit setup code for the selected mode. The **1** button represents the first digit in the setup code, the **2** button represents the second digit in the setup code, and so on for all four digits in the setup code.

For example, to verify the TV setup code is 0047, after you press the mode button and **9 9 0**, pressing the **1** button will cause it to remain off, pressing the **2** button will cause it to remain off, pressing the **3** button will cause it to blink four times, and pressing the **4** button will cause it to blink seven times.

- 4 Press **2** on your remote control and count the number of blinks.
- 5 Press **3** on your remote control and count the number of blinks.
- 6 Press **4** on your remote control and count the number of blinks.

You can only set up your remote control while in TV, VCR 1 or VCR 2 mode.

After pressing the mode button and **9 9 0** sequence, you can exit the blink back mode at any time by pressing any button on the remote other than the **1** button.

Finding a Setup Code

Setup codes for your TV and VCR are listed by brand in “TV and VCR Setup Codes”.

If the setup code for your brand of TV or VCR is not listed, or if your TV or VCR does not respond to the setup codes listed for its brand, you can search for your setup code using your remote control's *Step and Set* function.

To search for a setup code:

- 1 Press the mode button for the device (either TV, VCR 1 or VCR 2) for six seconds.
The mode buttons will turn on and turn off one at a time. This sequence will repeat two times and then the selected mode button will remain on. This indicates the remote is ready to use the Step and Set function.
- 2 Press the Cursor Up $\wedge$ button to begin Step and Set. The selected mode button will turn off.
If no setup code is currently programmed for the selected mode, the search begins with the most popular setup code for the selected device. If a setup code has been previously programmed, the search begins with the next setup code for that device.
- 3 Use the following buttons to determine if the setup code properly operates the selected device:
 - Number buttons **0**, **1**, **2**, or **3** (use to test TV setup codes)
 - Channel Up (use to test TV setup codes)
 - Play (use to test VCR setup codes)
 - Rewind (use to test VCR setup codes)
- 4 If the setup code successfully operates the device, press OK on the remote control. The setup code is now programmed into your remote control.

If the setup code does not operate the device, repeat steps 2 and 3.

During Step and Set, if there is more than a ten second pause between pressing buttons on the remote control, the remote will exit Step and Set and return to the previously programmed setup code.

You can only set up your remote control while in TV, VCR 1 or VCR 2 mode.

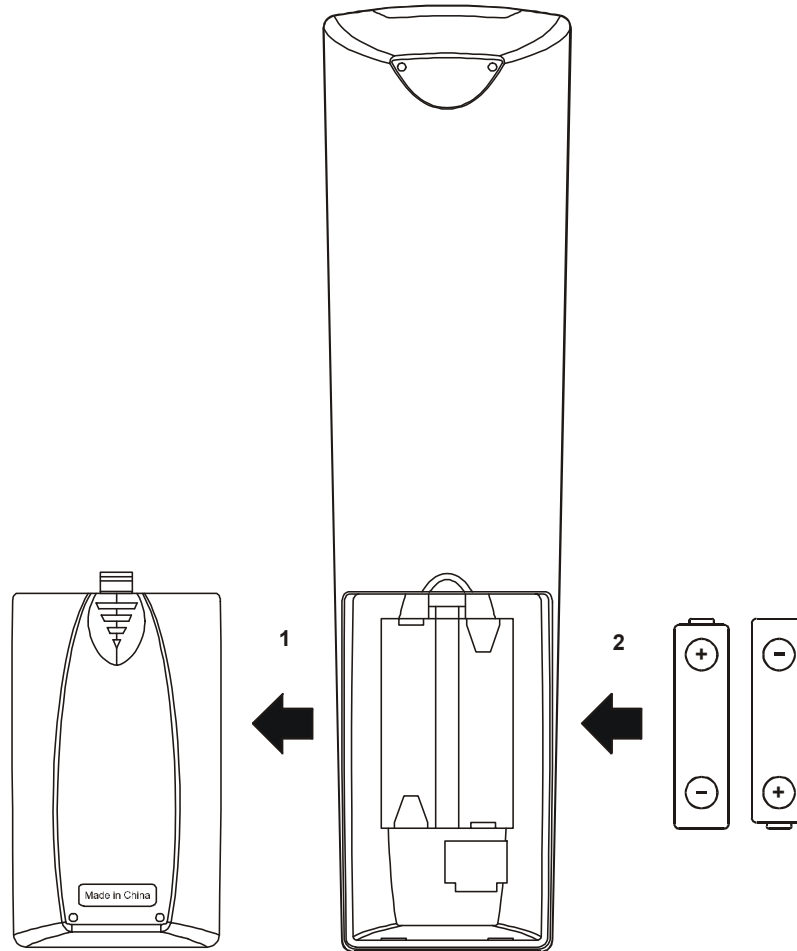
Installing Batteries in Remote Control

Before using the remote control, you must install two AA (1.5 V) alkaline batteries (included)

To install batteries in the remote control:

- 1 Press and slide the battery compartment cover off, as illustrated in Figure 7:

Figure 7
Battery placement in remote control



- 2 Place the batteries in the compartment; be careful to observe the correct polarity.
- 3 Slide the battery compartment cover back into place.

NOTE!



Use and dispose of batteries in accordance with all applicable laws, rules and regulations. Motorola will not be liable to anyone for the user's failure to use and/or dispose of batteries in the proper manner and in accordance with such laws, rules and regulations, or for any defect contained in batteries that may cause injury damage to persons or property.

TV and VCR Setup Codes

You can set up your remote control for your TV and VCR by consulting the tables below. Note that you only need to set up your remote control for your TV, VCR 1 and VCR 2 (if applicable).

For instructions on programming, verifying and finding setup codes for your remote control, see Remote Control in the “Overview” section.

TV Setup Codes

Manufacturer	TV Setup Code
AOC	0019, 0030
Admiral	0093, 0463
Aiko	0092
Akai	0030
Alaron	0179
America Action	0180
Anam	0180
Audiovox	0092, 0180, 0451, 0623
Baysonic	0180
Belcor	0019
Bell & Howell	0016, 0154
Bradford	0180
Brockwood	0019
Broksonic	0236, 0463
CXC	0180
Candle	0030, 0056
Carnivale	0030
Carver	0054
Celebrity	0000
Cineral	0092, 0451
Citizen	0030, 0056, 0060, 0092
Concerto	0056
Contec	0180
Craig	0180
Crosley	0054
Crown	0180

Manufacturer	TV Setup Code
Curtis Mathes	0016, 0030, 0047, 0051, 0054, 0056, 0060, 0093, 0145, 0154, 0166, 0451, 0466, 0747, 1147, 1347
Daewoo	0019, 0092, 0451, 0623, 0624
Daytron	0019
Denon	0145
Dumont	0017, 0019
Electroband	0000
Emerson	0019, 0154, 0178, 0179, 0180, 0236, 0463, 0623, 0624
Envision	0030
Fisher	0154
Fujitsu	0179
Funai	0171, 0179, 0180
Futuretech	0180
GE	0021, 0047, 0051, 0093, 0178, 0451, 0747, 1147, 1347
Gibraltar	0017, 0019, 0030
GoldStar	0019, 0030, 0056, 0178
Gradiente	0053, 0056
Grunpy	0179, 0180
Hallmark	0178
Harley Davidson	0179
Harman/Kardon	0054
Harvard	0180
Hitachi	0016, 0056, 0145
Infinity	0054
Inteq	0017
JBL	0054
JCB	0000
JVC	0053
KEC	0180
KTV	0030, 0180
Kenwood	0019, 0030
Konka	0628, 0632, 0638, 0707
LG	0056
LXI	0047, 0054, 0154, 0156, 0178, 0747
Logik	0016
Luxman	0056
MGA	0019, 0030, 0150, 0178

Manufacturer	TV Setup Code
MTC	0019, 0030, 0056, 0060
Magnavox	0030, 0054, 0179, 1254
Majestic	0016
Marantz	0030, 0054
Matsushita	0250
Megatron	0145, 0178
Memorex	0016, 0056, 0150, 0154, 0178, 0179, 0250, 0463
Midland	0017, 0047, 0051, 0747
Minutiz	0021
Mitsubishi	0019, 0093, 0150, 0178
Motorola	0093
Multitech	0180
NAD	0156, 0166, 0178
NEC	0019, 0030, 0056
NTC	0092
Nikko	0030, 0092, 0178
Onwa	0180
Optimus	0154, 0166, 0250
Optonica	0093
Orion	0179, 0236, 0463
Panasonic	0051, 0250
Penney	0019, 0021, 0030, 0047, 0051, 0056, 0060, 0156, 0178, 0747, 1347
Philco	0019, 0030, 0054, 0145, 0463
Philips	0054
Pilot	0019, 0030
Pioneer	0166, 0679
Portland	0019, 0092
Prism	0051
Proscan	0047, 0747
Proton	0178, 0466
Pulsar	0017, 0019
Quasar	0051, 0250
RCA	0019, 0047, 0051, 0090, 0093, 0679, 0747, 1047, 1147, 1247, 1347, 1447
Radio Shack	0019, 0030, 0047, 0056, 0154, 0178, 0180, 0747
Realistic	0019, 0030, 0056, 0154, 0178, 0180
Runco	0017, 0030

Manufacturer	TV Setup Code
SSS	0019, 0180
Sampo	0030
Samsung	0019, 0030, 0056, 0060, 0178
Sansei	0451
Sansui	0463
Sanyo	0154
Scimitsu	0019
Scotch	0178
Scott	0019, 0178, 0179, 0180, 0236
Sears	0047, 0054, 0056, 0154, 0156, 0171, 0178, 0179, 0747
Semivox	0180
Semp	0156
Sharp	0093, 0688
Shogun	0019
Signature	0016
Sony	0000
Soundesign	0178, 0179, 0180
Squareview	0171
Starlite	0180
Supreme	0000
Sylvania	0030, 0054
Symphonic	0171
TMK	0056, 0178
TNCi	0017
Tandy	0093
Technics	0051, 0250
Technol Ace	0179
Techwood	0051, 0056
Teknika	0016, 0019, 0054, 0056, 0060, 0092, 0150, 0179, 0180
Telefunken	0056
Toshiba	0060, 0154, 0156, 1256
Vector Research	0030
Victor	0053
Vidikron	0054
Vidtech	0019, 0178
Wards	0016, 0019, 0021, 0030, 0054, 0056, 0178, 0179

Manufacturer	TV Setup Code
White Westinghouse	0463, 0623, 0624
Yamaha	0019, 0030
Zenith	0016, 0017, 0092, 0463, 0624

VCR Setup Codes

Manufacturer	VCR Setup Code
Admiral	0048, 0209
Adventura	0000
Aiko	0278
Aiwa	0000, 0037
Akai	0041
America Action	0278
American High	0035
Asha	0240
Audiovox	0037
Beaumark	0240
Bell & Howell	0104
Broksonic	0002, 0121, 0184, 0209, 0479
CCE	0072, 0278
Calix	0037
Canon	0035
Carver	0081
Cineral	0278
Citizen	0037, 0278
Colt	0072
Craig	0037, 0047, 0072, 0240, 0271
Curtis Mathes	0035, 0041, 0060, 0162, 0760
Cybernex	0240
Daewoo	0045, 0278
Denon	0042
Dynatech	0000
Electrohome	0037
Electroponic	0037
Emerex	0032
Emerson	0000, 0002, 0037, 0043, 0121, 0184, 0209, 0278, 0479

Manufacturer	VCR Setup Code
Fisher	0047, 0104
Fuji	0033, 0035
Funai	0000
GE	0035, 0048, 0060, 0240, 0760
Garrard	0000
Go Video	0432, 0526
GoldStar	0037, 0038
Gradiente	0000
HI-Q	0047
Harley Davidson	0000
Harman/Kardon	0038, 0081
Harwood	0072
Headquarter	0046
Hitachi	0000, 0041, 0042
Hughes Network Systems	0042
JVC	0041, 0067
Jensen	0041
KEC	0037, 0278
KLH	0072
Kenwood	0038, 0041, 0067
Kodak	0035, 0037
LXI	0037
Lloyd's	0000
Logik	0072
MEI	0035
MGA	0043, 0240
MGN Technology	0240
MTC	0000, 0240
Magnasonic	0278
Magnavox	0000, 0035, 0039, 0081, 0149
Magnin	0240
Marantz	0035, 0081
Marta	0037
Matsushita	0035, 0162, 0454
Memorex	0000, 0035, 0037, 0039, 0046, 0047, 0048, 0104, 0162, 0209, 0240, 0454, 0479, 1037, 1162, 1262
Minolta	0042

Manufacturer	VCR Setup Code
Mitsubishi	0043, 0048, 0067
Motorola	0035, 0048
Multitech	0000, 0072
NEC	0038, 0041, 0067, 0104
Nikko	0037
Noblex	0240
Olympus	0035
Optimus	0037, 0048, 0104, 0162, 0432, 0454, 1048, 1062, 1162, 1262
Orion	0002, 0184, 0209, 0479
Panasonic	0035, 0162, 0225, 0454, 0616, 1062, 1162, 1262, 1362
Penney	0035, 0037, 0038, 0042, 0240
Pentax	0042
Philco	0035, 0209, 0479
Philips	0035, 0081, 0618, 1081, 1181
Pilot	0037
Pioneer	0067
Polk Audio	0081
Profitronic	0240
Proscan	0060, 0760
Protec	0072
Pulsar	0039
Quarter	0046
Quartz	0046
Quasar	0035, 0162, 0454, 1162
RCA	0035, 0042, 0048, 0060, 0149, 0240, 0760
Radio Shack	0000, 1037
Radix	0037
Randex	0037
Realistic	0000, 0035, 0037, 0046, 0047, 0048, 0104
ReplayTV	0614, 0616
Runco	0039
STS	0042
Samsung	0045, 0240
Sanky	0039, 0048
Sansui	0000, 0041, 0067, 0209, 0271, 0479
Sanyo	0046, 0047, 0104, 0240

Manufacturer	VCR Setup Code
Scott	0043, 0045, 0121, 0184
Sears	0000, 0035, 0037, 0042, 0046, 0047, 0104
Semp	0045
Sharp	0048
Shintom	0072
Shogun	0240
Singer	0072
Sony	0000, 0032, 0033, 0035, 0636, 1032
Sylvania	0000, 0035, 0043, 0081
Symphonic	0000
TMK	0240
Tatung	0041
Teac	0000, 0041
Technics	0035, 0162
Teknika	0000, 0035, 0037
Thomas	0000
Tivo	0618, 0636
Toshiba	0043, 0045
Totevision	0037, 0240
Unitech	0240
Vector	0045
Vector Research	0038
Video Concepts	0045
Videosonic	0240
Wards	0000, 0035, 0042, 0047, 0048, 0060, 0072, 0081, 0149, 0240, 0760
White Westinghouse	0072, 0209, 0278
XR-1000	0000, 0035, 0072
Yamaha	0038
Zenith	0000, 0033, 0039, 0209, 0479