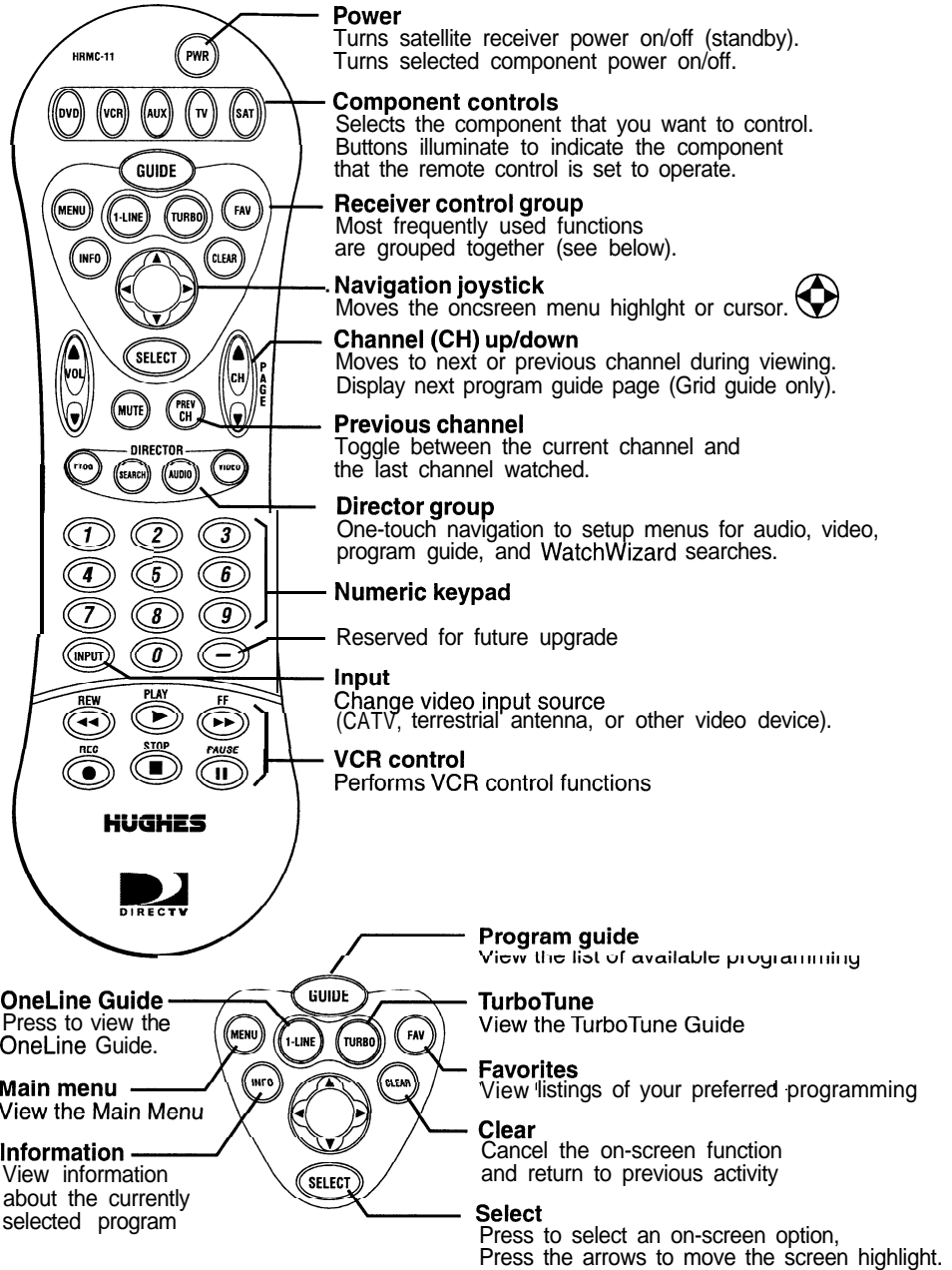


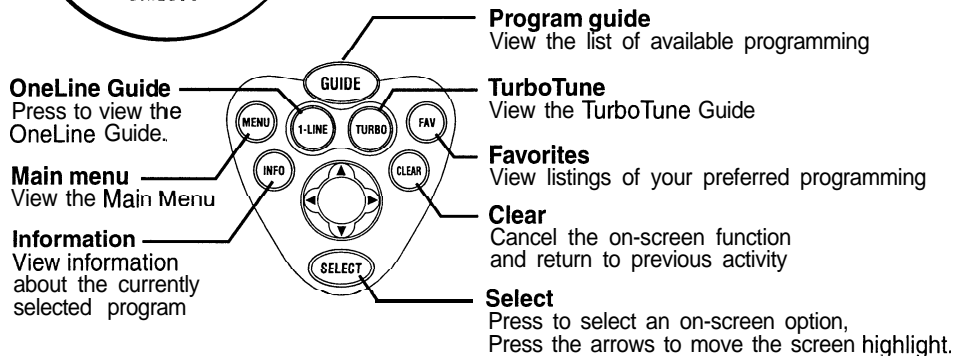
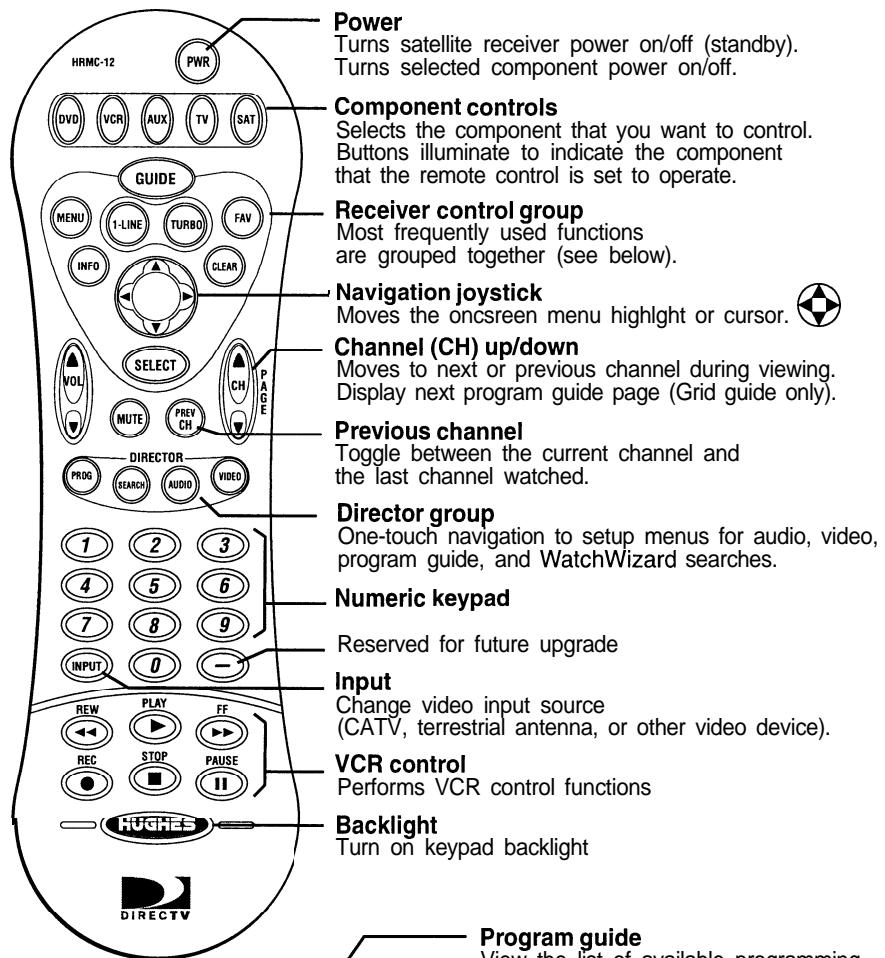
Using the remote control **3**

This chapter explains how to:

- Use the HRMC-11 and HRMC-12 remote control functions. (see page 13)
- Program the remote to work with other system components. (see page 14)
- Install and replace the remote control batteries. (see page 1.5)



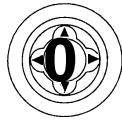
HRMC-11 Remote Control Function Quick Reference




HRMC-12 Remote Control Function Quick Reference

The DIRECTV® Receiver front panel buttons provide the basic controls needed to access major DIRECTV System features. However, using the remote control simplifies accessing the basic system functions, enhances your system's capabilities, and provides convenient shortcuts to extended features. Additionally, most remote control buttons can also control other home entertainment system components.

Remote control functions



Use the directional paddle to move up, down, left, or right through the on-screen displays. This  icon appears throughout this manual to instruct you to use the paddle to navigate through on-screen menus and guides.

Pressing the paddle left or right while watching a program displays the *Alternate Audio* selection popup menu.



Press the **SELECT** button to activate or choose a highlighted menu option.



Press the **GUIDE** button to display the current program guide. Press it a second time (while a program title is highlighted) to display the **Category Filter** menu.



Press the **INFO** button to display a brief description about the program you are viewing. For more details, press it again to display the *Information Banner*: The **INFO** button provides scheduling information (and pay per view purchase information) about the program highlighted in the program guide. See Chapter 4 – *Using program guides*, on page 17 for more information.




Use the **CHANNEL (CH)** button to move up or down to the next available channel or scroll through a page of program guide selections



Press the **CLEAR** button to exit from any on-screen guide, remove banners, or cancel an action.



Press the **1-LINE** button to display the OneLine™ guide. When the OneLine is onscreen, pressing the **1-LINE** button again adds another line to the guide (up to four lines). When the OneLine guide appears, press the  paddle up or down to step to the next higher- or lower-numbered channel.



Press the **TURBO** button to display the TurboTune™ menu guide.



The **INPUT** button allows you to select programming from additional program sources such as a DVD player, VCRs, or a terrestrial TV antenna signal. Repeatedly press **INPUT** to cycle through each available input source in your system.



Press the **SAT** component select button to control the DIRECTV® Receiver. The other component select buttons indicate the devices they control. You can program the **AUX** button to control another digital device such as an audio CD player.



The **DIRECTOR** buttons provide convenient shortcuts to the Program Director, WatchWizard™, audio, and video adjustment menus.

Programming the remote control

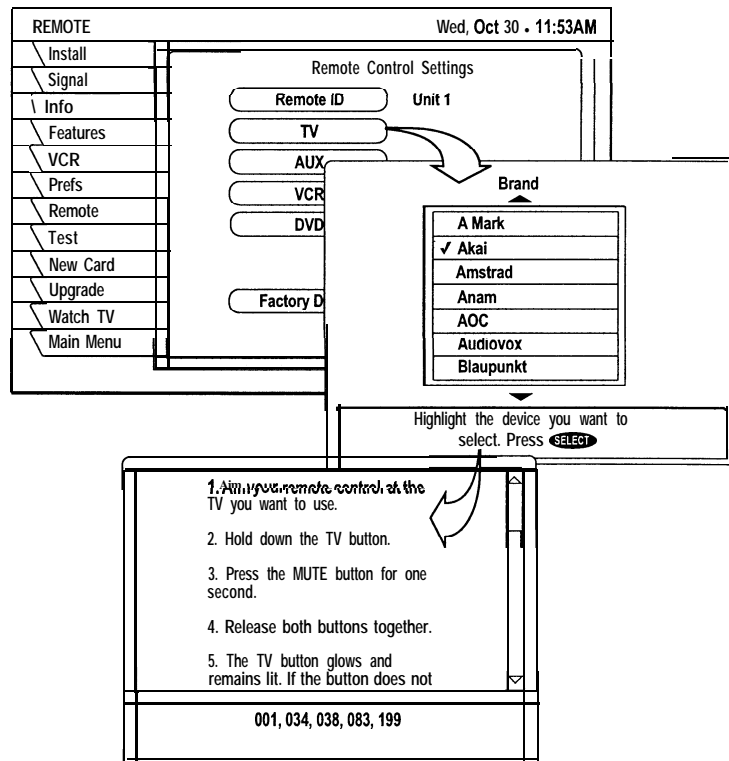
You can operate your TV, VCR, DVD, SAT, or AUX devices using your HRMC-11 or HRMC-12 remote control. Use the *Code Entry* or *Code Scanning* method to program the remote control. Using the Code entry method may be quicker, but you'll need to know the correct manufacturer's control codes for each component you want to operate. Code scanning may be more time-consuming, but you don't need to know manufacturer's control codes.

1. Keep your remote control aimed at the device you want to control during this process. The remote control will send out the "power" command for the device being programmed.
2. Press and hold the device key (for example, TV)
3. Press press the MUTE key for two seconds.
4. Release both keys.

The device key should light and remain lit. If it doesn't remain lit, repeat steps 1 through 4 above.

5. Choose one of the programming methods described below:

Code Entry Use the **REMOTE** pane under the **System Setup** menu tab to program your HRMC-11 or HRMC-12 remote control to operate your TV, VCR, DVD and AUX device. The AUX menu button can be used to control a CATV box or other type of device. Use the menu buttons to choose the desired type of device and display a brand name menu list from which you can select the manufacturer of your device.



Device codes appear in the menu pane for the brand selected. Step-by-step onscreen help guides you through the procedure. Appendix B – *Manufacturers device control codes*, on page 43 also provides a complete list of device codes.

Code Scanning To use the Code Scanning method:



1. Repeatedly tap the top part of the CHANNEL (CH) button.
2. Continue to step through the codes until the component turns off, indicating you have found the correct component code. If you accidentally pass a code that responds or realize you may not have been aiming the remote control at the component, tap the lower part of the CHANNEL (CH) button to step backward through the codes.
3. Press the remote control POWER button to verify the proper code by turning the device on and off.
4. Press the device button (in this example, TV) again to lock in the code.

Changing the Remote ID If you are using multiple satellite receivers in the same room, you may want to change the remote control ID to avoid interference or “cross talk.” The remote control ID can be a number from “00 1” to “008”.

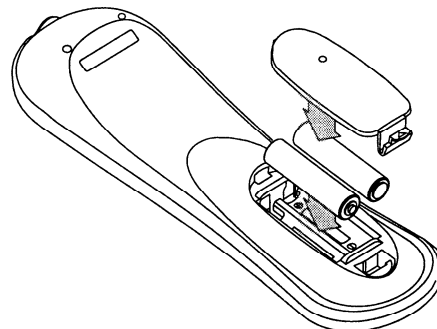
If you change remote IDs, set your remote control to that ID number *first*. Use this procedure to set the remote control to use a different remote ID:

1. From the **MAIN MENU**, highlight the **System Setup** menu tab. Press **SELECT**.
2. Highlight **Remote** menu tab to access Remote Control Settings.
3. Highlight the **Remote ID** menu button.
4. Press and hold the remote control **SAT** button.
5. Press and release the **MUTE** button.
6. Release the **SAT** button. It should remain lit. If it does not, repeat steps 4-6.
7. Enter desired number (001 to 008).
8. Press the **SAT** button to lock in the code.
9. Point the remote control at the receiver. Press **SELECT**.

The number to the right of the highlighted **Remote ID** menu button will change to the new code. Check that the ID has been successfully set by testing the remote control to see that it controls that satellite receiver.

Installing remote control batteries To install or replace the remote control batteries:

1. Locate the battery compartment on the back of the remote control.
2. Remove the battery compartment cover.
3. Insert two “AAA” size batteries as shown, observing the correct polarity.
4. Replace the battery compartment cover.



Using the remote control

Manufacturers device control codes **B**

Use these codes to program your control operate your system components.

Table 3: VCR brands and remote control codes

BRAND	CODE NUMBER	BRAND	CODE NUMBER	BRAND	CODE NUMBER
Admiral	025053	Fuji	031	MGA	045 046 059
Adventura	034	Funai	034	MGN Technology	040
Aiko	117	Garrard	034	Minolta	001 156
Aiwa	034 101	GE	031 040 053 063 072 107 109 126 144 147 151 156	Mitsubishi	001 045 046 053 059 061 162
Akai	016043046124125146	GO Video	040 132 136	Motorola	031 053
American Action	117	Goldstar/LG	001 101 012 114 123	MTC	034 040
American High	031	Harley Davidson	034	Multitech	024 034
Ampro	072	Harman Kardon	012 045	NEC	012 023 039 043 048
Anam	031	Harwood	024	Nikko	101
Asha	040	Hitachi	001 026 034 063 137 150 156	Noblex	040
Audio Dynamics	012 023 039 043	Hughes	001	Nordmende	043
Audiovox	101	HQ	034	Olympus	031
Beaumarck	040	Instantreplay	031	Optimus	053 101
Broksonic	025035037 044129152	JCL	031	Optonica	053 054
Calix	101	JCPenney	001 012 031 040 066 101 156	Orion	025
Canon	028031	Jensen	043	Panasonic	031 066 070 133 160 161
Capehart	108	JVC	048 050 043 130 060 012 031 150 055 158	Pentax	001 031 063 156
CCE	024117	KEC	101117	Philco	025 031 034 067
Cineral	117	Kenwood	014023034047048	Philips	031 034 054 067 071 101
Citizen	101117	KLH	024	Pilot	101
Colt	024	Kodak	031 101	Pioneer	001 021 048
Craig	003024101040135	Lloyd	034	Portland	108
Curtis Mathes	031 041156	Logik	024	Profitronic	040
Cybernex	040	LXI	034003009017 101	Protec	024
Daewoo	0050070100651081101122160177119	Magin	040	Quartz	002 014
Daytron	108	Magnasonic	117	Quasar	031 066 070 133 160 161
DBX	012023039043	Magnavox	067031 034041 064068154160	Radio Shack	034 123
Dimensia	156	Marantz	012023031 067069	Radix	101
Dynatech	1034053	Marta	101	Randex	101
Electrohome	059 101	Matsui	027030	RCA	001 031 034 040 041 053 107 109 140 144 147 151 156
Electroponic	101	Mitsushita	031	Realistic	003 008 010 014 031 034 040 053 054 101
Emerson	006 017 025 027 029 031 034 035 036 037 044 046 101 117 129 131 138 152 153 157	MEI	031	Rico	058 078
Fisher	003 008009010	Memorex	003010014025031034040053072101102134139	Salora	014

Table 3: VCR brands and remote control codes

BRAND	CODE NUMBER	BRAND	CODE NUMBER	BRAND	CODE NUMBER
Samsung	032 040 102 104 107 109 112 113 115 120 122 125 159	Soundesign	034	Totevision	040 101
Sanky	053	STS	001	Unitech	040
Sansui	022 025 034 043 048 135	Sylvania	031 034059067	Vector Research	012
Sanyo	003 010 007 014 040 102 134	Symphonic	034	Video	012 034 046
Scott	017 037 044 112 129 131 159	Tandy	010 034	Videosonic	040
Sears	001 003 008 009 010 014 017 031 034 081 101	Tatung	023 039 043	Wards	001 003017024031034040053054131
Sharp	031 054 053 143	Teac	023 034 039 043	Westinghouse	024025
Shintom	024	Technics	031 070	XR-1000	024031 034
Shogun	040	Teknica	031 019 034 101	Yamaha	I012034039043
Signature	034	Thomas	034	Zenith	025034048056058072080101
Singer	024	TMK	040		
Sony	003 031032 034052056057 058155	Toshiba	001 008 042 047 059 082 112 131		

Table 4: Television brands and remote control codes

BRAND	CODE NUMBER	BRAND	CODE NUMBER	BRAND	CODE NUMBER
Admiral	072 081 096 160 161	Classic	043	Goldstar/LG	004 106 110 112 119 127 143 193
Aiko	103	Concerto	004	Gradiente	004038106
Akai	070 146	Contec	043050051	Grunpy	028043
Alaron	028	Coronado	143	Hall Mark	004
A Mark	112143	Craig	043054191	Harley Davidson	028
America Action	043	Crosley	164	Harvard	043
Anstrad	052	Crown	043143	Hitachi	004007 009010011 012023072075143158
Anam	043054056080112	Curtis	004011070072081101120143164	Harman	164
AOC	004058070112	cxc	043	Infinity	164
Audiovox	043076103120	Daewoo	004016043044076103114120127128 136143192	Inteq	073
Baysonic	043	Daytron	004143	JBL	164
Bell&Howell	072	Denon	011	JCB	001
Blaupunkt	088	Dumont	004 073	JCPenney	004008009024030065070101143156160
Bradford	043	Dynasty	043	Jensen	013
Brooksonic	096	Dynatech	062	JVC	001 034 038083199208
Cairn	206	Electroband	001	KEC	043
Candle	002 003 004 070	Electrohome	024 076 120 143	Kenwood	001 070
Capehart	058	Emerson	004 005 028 043 047 048 050 051 070 076 096 120 143 151 153 154 155 191	Kloss	002059
Carver	164	Fisher	007 057	KMC	143
CCE	001004024	Fujitsu	028198210 211	KTV	I 043070143154
Celebrity	001	Funai	028043052	Lodgenet	072
Cetronic	043	Futuretech	043	Loewe	209 211
Cineral	103 120	GE	00400800901030670070074081081120 130 145 155 160 165 161 167	Logik	072
Citizen	002003 004043070 101 103143	I Gibraltar	I004073	Luxman	004

Table 4: Television brands and remote control codes

BRAND	CODE NUMBER	BRAND	CODE NUMBER	BRAND	CODE NUMBER
LXI	007015052081160164	Philips	164 093 038 005 059 127 070 003 004 213	SSS	004 043
Magnavox	003 004 022 059 060 061 063 064 070 094 127 160 164	Pioneer	025 070 004 018 023 190	Starlight	043
Majestic	072	Portland	004 143 065 103	Supre Macy	002
Marantz	070 164	Prism	034	Supreme	001
Mitsui	164	Proscan	160 161 167 145 065	Sylvania	003044 059060063064 070127160164
Mitsushi ta	080	Proton	004058112143171173	Symphonics	194052
Megatron	-	Quasar	034056080164	Tandy	081
Memorex	004007028072096	Radio Shack	004019043127143	Tatung	056062
Metz	088	RCA	160 161 156 165 065 070 004 023 024 056 074081152167145	Technics	034080
MGA	004024024028042070	Realistic	007019043047	Technol Ace	028
Miland	I 073	Runco	073130	Techwood	004
Mnerva	088	Sanpo	004070058207	Teknika	002003004024028043 072 101103143164
Mnutz	008	Samsung	101004050089105160127143133215	Telerent	072
Mitsubishi	004024028040042081146214	Sansei	120	Tera	173
Mtorola	081	Sansui	096	TMK	004
MTC	070004062 101	Sanyo	007 020053057082	TNCI	073
Multitech	043	Scotch	004	Toshiba	015030007040062101
NAD	015025	Scott	004028043 048143	Universal	008009
NEC	004 016 019 024 040 056 070 130 134	Sears	004007015028030052057082094143 160164167	Video II Concepts	146
Nikei	043	Seleco	200	Vidikron	164
Nikko	103	Semivox	043	Vidtech	004
NTC	103	Semp	015	Wards	004:008009019028060061063064072074 143 164 165
Onking	043	Sharp	004 014 019 022 028 081 143	Westing house	120 076
Onwa	043	Siemens	088	Yamaha	004070
Optimus	080	Signature	072	York	004
Optonica	019081	Sony	001 079 126	Yupiteru	043
Orion	028096201 202203204 205	Soundesign	003 004028043	Zenith	011 072 073 095 096 103
Panasonic	034056080164212	Spectri con	112	Zonda	112
Philco	003004024056059060063064 070164	Squareview	052		

Table 5: AUX audio brands and remote control codes

AUX	CODE NUMBER	AUX	CODE NUMBER	AUX	CODE NUMBER
Adcom	146 149 227 244	Bose	064 137 219	GE	123 216
AMC	083 084	B & K	150 152	Harmon	073 195 248 249
Arcam	100	Carver	013 098 107 126 129 160 163 220 245 249	Haitai	119
Audio File	093 098	Clarion	151 169	Hitachi	088
Audio Technica	221	Denon	101 133 191 202 208 246 247	JCPenney	109 154 178
Aiwa	111 114 117 156 170 199 203 219 231 241 254	Englighten ed Audio	078 153	Jensen	099
Akal	181 233	Fisher	107 129 157 163 176	Jerrold	141
Anam	180	Fosgate	228 248	JVC	112 198 252

Table 5: AUX audio brands and remote control codes

AUX	CODE NUMBER	AUX	CODE NUMBER	AUX	CODE NUMBER
Kenwood	096104119125148151163171 173242	Niles	236	Scott	180 190
Krell	223	Onkyo	094115116209211 255	Sharp	096 125 151 161 169 182 193
Lexicon	215250	Optimus	121125140181	Sherwood	089 127
Luxman	066120205 229	Panasonic	131144187 200	Sony	097 117 147 183 188 192 200 237 238 253
LXI	123177	Parasound	085086090	Soundstream	197
Magnavox	126162185186224228	Philips	126136186197	Starcom	141
Marantz	074105126128139155162186 232	Pioneer	081093138165189195 230243	Symphonic	124
McIntosh	251	Quasar	131187	Teac	062102159180
Mondial	069 225	RCA	109166213	Technics	131165184187200202208
MCS	178	Realistic	103122123124172174177179180194	Toshiba	175
Mitsubishi	253	Rotel	204218239	Wards	163
Meridian	013 067	Sansui	075 126 139 196 197 214	Yamaha	092120125166169216240
NAD	128	Sanyo	129 157	Zenith	061 222
Nakamichi	072 212 234 235	Samsung	068		

Table 6: AUX-CATV brands and remote control codes

CATV	CODE NUMBER	CATV	CODE NUMBER	CATV	CODE NUMBER
Hamlin	015 017 022	Pioneer	007 026 027	Zenith	004
Jerrold/G.I	010 021 025	Scientific Atlanta	002 006 013		
Oak	008 016 023	TOCOM	003		

Table 7: DVD player brands and remote control codes

BRAND	CODE NUMBERS	BRAND	CODE NUMBERS	BRAND	CODE NUMBERS
Alpine	009	Kenwood	070	Proscan	035036
Apex Digital	075076	Magnavox	008 038042	RCA	035036
Arcam	065	Marantz	006007	Samsung	029040095
Cyberhone	087	McIntosh	071	Sharp	004
Daewoo	087	Mitsubishi	032	Sony	037 080
Denon	030226	NAD	077	Technics	003
GE	1035036	Onkyo	207	Theta Digital	034
Goldstar/LG	028041	Optimus	034	Toshiba	001038082 091 206
Harmon Kardon	217	Panasonic	003 039	Yamaha	039 079
Hitachi	011	Philips	006007038042063	Zenith	028041
Hiteker	076	Pioneer	005010034		
JVC	031	Proceed	002		

Table 8: DVD-Laser Disc Player brands and remote control codes

BRAND	CODE NUMBER	BRAND	CODE NUMBER	BRAND	CODE NUMBER
California Audio	I 047	NAD	057	Sanyo	052
Denon	043044	Panasonic	047051054	Sharp	060
Fisher	I 047	Philips	I 048	II Sony	050053
Kenwood	060	Pioneer	055057	Technics	047051 054
Magnavox	048057	Quasar	047	Toshiba	060
Mitsubishi	057	RCA	046	Yamaha	045 059