

## TVN 200B Universal Remote Control

To program your TV or VCR to the TVN 200B find the brand name of your TV or VCR brand on the following list. The brand names are in alphabetical order. Then perform the following steps:



1. On the remote control, press and hold the appropriate mode key until the four mode keys flash twice. The mode key continues to flash.
2. Enter the three-digit code.

After you press the first digit, the mode key should light and stay on. After you press the last digit, the mode key should flash three times and turn off.

If the mode key does not flash three times before turning off, the code is invalid for this device type. Repeat the procedure with another device code.

3. Point the remote control at the device and press POWER. If the device turns on or off, you have finished programming.

If you have tried all the codes listed for the manufacturer and the device does not respond refer to finding the Correct Device Code later in the guide.

4. We suggest that you write the codes down for future reference.

## Programming Volume Control

You can program your TVN 200B to control the volume through the TV while in any other mode. The TV must permit remote volume control.

For example, you can control volume through the TV while in cable mode. In VCR mode, the volume control is always set through the TV.

This procedure does not affect any device codes you set previously.

To control the volume through the TV while in cable mode:

1. Press and hold cable for approximately three seconds until the four mode keys flash twice. The cable key will continue to flash.
2. Press TV. The cable key will flash three times and turn off. You now control the volume through the TV whenever you change the volume level in cable mode.

## **Finding the Correct Device Code**

Manufacturers often put their brand name on devices made by others. If you have tried all of the manufacturer's device codes listed in this guide but the device still does not respond, you can use the TVN 200B to find and identify the appropriate device code.

### Scanning for a device code

1. Turn on the device.
2. Press and hold a mode key for approximately three seconds until the four mode keys flash twice. The selected mode key will continue to flash.
3. Press POWER. The mode key will stop flashing and remain on.
4. Point the remote control at the device.
5. Press and release the Cursor Up key repeatedly and slowly. Each time you press the key, the remote sends the power-off command using a different device code. When the device turns off, the remote is programmed with a code that controls the device.

If you press the Cursor Up key after the device has turned off, press the Cursor Down key to return to the previous device code.

6. Test whether other functions operate using the remote control. If a primary function does not work, continue to press the Cursor Up key to find another code that turns off the device. Then test the functions again.
7. When you are satisfied that all primary functions are working, press OK to lock in the code.

<b>TV Brand</b>	<b>Device Code</b>	<b>TV Brand</b>	<b>Device Code</b>
AOC	005,006,019,020 120,140,163,173	ASA	047
Admiral	018,090	Aiwa	090
Akai	032,070,172	Amark	120
Amstrad	033	Anam	005,009,021,041 120,121
Archer	120	Audiovox	120
Bell & Howell	018	Broksonic	172,173,174
CXC	041	Candle	006,022,023,025 163
Capehart	019	Citizen	006,016,018,022 023,024,025,026 144,163
Concerto	023	Contec	041,091
Craig	021,041	Crown	026
Curtis Mathes	006,016,018,026 059,125,163,172	Daewoo	005,024,026,029 030,031,032,172
Daytron	026	Dimensia	125
Dumont	047	Electrohome	026
Emerson	023,026,033,034 035,037,038,039 041,122,143,144 172,176	Envision	163
Fisher	042,090	Fujitsu	034
Funai	034,041	Futuretech	041
General Electric	003,008,009,023 043,044,125,130 147,172	Goldstar	005,023,026,045 046,088,172,173
Grundig	047	Hallmark	023
Hinari	034	Hitachi	018,023,026,048 049,050,051,052 053,054,055,126, 172
Infinity	066,159	JBL	066,159
JC Penney	003,005,006,014 016,026,043,096	JVC	057,058,059,060

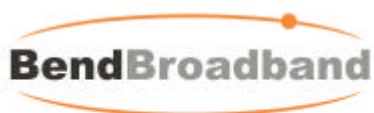
	125,163,172		
Jensen	056	KTV	026,039,041,172
Kawasho	061	Kenwood	006
Kloss	022,110	LXI	003,066,090,117 125,131,172,173
Lodgenet	018	Logik	018
Luxman	023	MGA	004,005,006,023 071,072,163,172
MTC	005,006,016,023 031,163	Magnavox	000,006,010,017 020,025,027,028 066,067,068,110 151,154,159,163 164,167,171,172 173,175
Majestic	018	Marantz	006,066,068,088 163,172
Matsui	032,109	Memorex	018,032,090
Mitsubishi	004,005,023,070 071,072,122,123 149,172,173	NAD	002,117
NEC	005,006,007,023 028,144,163,172 173	National	011,159
Nikkai	113,118	Onwa	041
Optonica	129	Osume	091
Panasonic	008,009,011,012 066,159	Philco	005,006,025,067 068,110,159,163 172
Phillip	005,025,066,068 088,146,159,163	Pioneer	002,048,051,076
Portland	005,026,172	Proscan	125
Proton	006,013,019,023 026,172	Pulsar	001
Quasar	008,009	RCA	003,005,014,048 078,079,080,082 084,085,086,087 125,133,134,172
Radio Shack	026,041,141,173	Realistic	090,141

SAA	145	SSS	005,041
Saba	051	Saisho	032,033,109
Sampo	006,019,163	Samsung	005,006,016,023 026,032,088,163 172,173
Sanyo	042,089,090,091 092,109	Scott	026,034,037,041 093,173
Sears	003,023,034,042 090,096,098,099 101,102,104,117 125,131	Sharp	026,091,129,141
Signature	018	Sony	000,109,119,122
Soundesign	023,025,041,172	Spectricon	120
Supra	022,023	Sylvania	006,025,066,068 110,112,159,163 172,173
Symphonic	132	TMK	023,172
Tandy	112,113,129	Tatung	009
Technics	008	Techwood	023
Teknika	004,005,016,018 022,023,024,025 026,034,041,072 114,159	Telerent	018
Teletech	032	Thomson	051,116,142
Toshiba	016,017,047,090 096,117,118,131	Totevision	026
Universal	043	Vector Research	006
Victor	057	Video Concepts	070
Vidtech	005,023,172,173	Viking	022
Wards	005,006,018,023 034,043,067,068 119,125,141,159 163,172,173	Westinghouse	090
Yamaha	005,006	Zenith	001,018
Zonda	120		

VCR Brand	Device Code	VCR Brand	Device Code
ASA	065	Aiwa	088
Akai	008,013,014,015 016,018,019,020 145,157	Alba	046
Amstrad	088	Audio Dynamics	030,093
Broksonic	008,059,148	Bush	089
Candle	022,042,056,080 092,093	Canon	042
Capehart	043,046	Citizen	056,091,092,093
Craig	044,082,091	Curtis Mathes	054,092,105
DBX	030,093	Daewoo	034,046,093,150
Daytron	046	Dimensia	105
Dumont	049	Dynatech	088
Electrohome	109	Emerson	005,006,008,009 010,011,012,059 068,088,090,109 132
Finlandia	049	Finlux	049,065,088
Fisher	048,049,081,082 084	Funai	088
General Electric	025,050,051,052 053,054,091,105 133	Go Fideo	164
Goldstar	030,033,056,092 102	Goodmans	085,089
Granada	049,081	Grundig	065
Harman Kardon	030	Harmon Kardon	069
Hinari	089	Hitachi	036,037,038,040 041,088,094,095 121
ITT	018	JC Penney	030,052,054,080 081,091,092,093 094
JVC	061,062,063,064 081,092,093,122	Jensen	060

	123		
Kenwood	062,081,092,093	Lloyd	088
Logik	089	Luxor	018
MEI	054	MTC	080,088
MGA	067,068,109	Magnavox	027,034,054,065 088,111,130,134 136,137,138,139 141,142,143,158 159
Marantz	030,054,065,081 085,092,093,102	Memorex	033,049,054,066 081,082,085,088
Minolta	094	Mitsubishi	062,067,068,069 070,071,109,124 125,140
Multitech	088,089,091	NAD	073,153
NEC	030,031,032,062 081,092,093,102 127,128,160	Optonica	072,085
Orion	006	Panasonic	021,022,023,024 026,054,098,114 129
Pentax	037,092,094	Philco	054,111
Phillips	054,065,085,154 155	Pioneer	062,073,074,075 076,093
Portland	046,093	Proscan	105
Pulsar	033	Quartz	081
Quasar	054,078	RCA	025,026,027,028, 037,091,094,105 146,147
Radio Shack	081,082,084,085 109	Realistic	049,054,080,081 082,084,085,088
SBR	065	Saisho	006
Salora	067,081	Samsung	015,034,079,080 091
Sansui	032,062,093	Sanyo	044,049,081,082 083
Schneider	089	Scott	008,034,059,090
Sears	048,049,081,082	Sentra	046

	084,094		
Sharp	085,109,130	Sony	000,001,002,003
Sylvania	054,067,088,111	TMK	006
Tandy	081,082,084,085 088,109	Tashiko	088
Tatung	086	Teac	088
Teknika	054,087,088	Toshiba	034,035,067,084 090
Totevision	080,091	Unitech	080
Vector Research	030,092,093	Video Concepts	068,092,093
Videosonic	091	Wards	027,054,080,082 085,088,089,090 091,109,156,161
Yamaha	030,081,092,093	Zenith	033,062



access : everything