

Remote  
Control  
Guide



The remote control that you have purchased is set to control all of the Innovafion® 450i satellite receiver functions. The remote control will operate your satellite receiver and can be programmed to operate your TV and/or cable box as well. The remote control may be used to operate your TV, and VCR but in order to use it, you will need to "program" it for the brand of TV and VCR that you own. This process is called programming the remote control.



**MOTOROLA**



## A Word About Modes

To enable the remote control to operate your receiver, your TV, and your VCR, it has three main modes of operation: SAT mode, TV mode, and VCR mode. This means that when you press the SAT, TV, or VCR keys on the remote control, you enable it to control each of these devices, one at a time. Naturally, some of the remote control keys have more than one function, depending upon which mode you are using at the time. Also keep in mind that some SAT functions are available only within SAT mode. Among these special functions are access to the satellite receiver menus through the OPTIONS key, use of the Interactive Program Guide (IPG) through the GUIDE key, and the ability to select a satellite by using the SAT key. In addition, you can assume that if you see a key on the remote that you have never seen on a TV or VCR remote control, it is only useful for satellite receiver functions and can only operate when the remote is in satellite mode.

## Key Functions

**Power.** To turn the component on or off.

**SAT(mode).** To change the remote to SAT mode so it can control the receiver for viewing satellite and cable TV signals.

**TV(mode).** To change the remote to TV mode so it can control the TV.

**VCR(mode).** To change the remote to VCR mode to control the VCR.

**Vol.** To raise or lower the volume level.

**Mute.** To mute the TV sound.

**SAT/TV.** To control the input source to your satellite receiver, TV, and VCR.

- In SAT mode, it shifts between satellite or cable and antenna input.
- In TV mode, it shifts between auxiliary antenna and video sources.
- In VCR mode, it shifts between TV input and VCR input.

**SAT.** To display the satellite menu for easy selection of the satellite you wish to view or to access a satellite directly.

**Menu.** To exit any menu and display the satellite menu options.

**View.** To check the title, running time and other information about the satellite program you are watching. Press it to leave a menu and return to the program you were viewing.

**Next.** To display information about the next scheduled program on a VCRS channel.

**Timer.** A master timer override enabling/disabling your preset timers.

**TI.** To turn the TI (Terrestrial Interference) filter on or off.

**Chan.** To change the channel up or down.

**Arrow Keys.** To allow scrolling up and down and move about in various On Screen Displays (including VCRS channels). The ◀ ▶ keys also control antenna movement, and the ⬅ ➡ keys adjust video fine tuning in the normal mode.

**Enter.** To store satellite locations, tuning information, passwords and other information into the Innovation 450i receiver memory. If you are using a menu, press ENTER to select a highlighted option.

**Cancel.** To clear most numbers or commands that you may have entered incorrectly. It also clears menus from your screen.

**Last.** To return to the last channel viewed.

**Favorites.** To store and recall up to 60 favorite channels (50 video, 10 audio).

Used with the number and/or cursor keys.

**Menu.** To bring up the OSD menus required if you wish to make adjustments to the various settings of your Innovation 450i system.

**Number Keys.** These keys are used to activate different OSD menus, for direct channel access, to enter passwords and to set up VCRS services.

**Text.** To view channel and service-related text on your TV screen. VCRS messages can include news bulletins, program promotions and other special notes.

**MSG.** If there is a message for you and "\*" will be visible on your TV screen. Press this key to read the messages.

**Setup.** To view or change the setup of your VCRS module. Used with the number keys.

**VCR Keys.** The remote control has separate keys that operate the VCR's play (▶), stop (■), pause (⏸), fast-forward (⏩), rewind (⏪), and record functions. Press and hold the record (⏻) button then press play (▶) to perform the record function.

**Help.** To display the help messages related to VCRS controls.

## Programming the Remote Control

Follow these instructions to program the remote to control your TV, and VCR.






1. Turn on the component for programming.
2. Use the table that appears later in this section to find the manufacturer code of your component.
3. After the manufacturer's brand name is a three-digit code number (or several three-digit codes).



4. Press and hold the component key on the remote control for at least three seconds or until the light on your remote flashes.
5. When the light flashes, key in the first of the three-digit codes (listed in the table) for your component using the number keys on the remote control. Make sure to do this accurately and without a long delay.
6. If the remote control “accepts” the code, you will see several rapid flashes of the light. If it does not flash, repeat steps 4 and 5. After the remote control accepts the code, press the POWER key to turn your component off and verify that the remote is functioning properly.
7. If your component does not respond to the remote control POWER key, even though it has “accepted” the manufacturer’s code, repeat steps 3 and 4 using the second three-digit code from the table. If this does not work, try the third code, etc., until the remote control accepts the code and your component responds to the remote control POWER key.

### **If Your Remote Control Cannot Find a Working Three-Digit Code in the Tables (Scanning)**

If you try to program your remote control using the three-digit codes, and the remote control does not work correctly, you may be able to find a code that works by using the “scanning” process.

1. Turn on the TV.
2. Press the TV key for at least three seconds or until the LED blinks.
3. The following steps explain how to “scan” through the TV codes stored in your remote control using the  keys. The LED will not be lit while the  keys are pressed.
  - While pointing the remote control at your TV, press the  key to scan upward to the next code. Use the  key to return to the previous code.
  - If the transmitted code is the correct one, your TV will turn off, responding as if its POWER key were pressed.
  - If your TV does not respond, press the  key to try the next code. When your TV turns on or off as a result of the transmitted code, you will know that you have found the correct code.
  - When you have found the correct code (power to your TV is toggled on or off), press the ENTER key. This will store the manufacturer’s code. The LED will then flash rapidly several times and turn off.

**NOTE:** If your TV is not listed in the tables and/or the codes for your brand are not accepted by the remote, you will need to use the remote originally manufactured for your unit.

## Programming the Master Power Feature

If you wish to control the power on/off function of your receiver and TV, and all connected equipment with a single press of the POWER key on your remote control, you can enable the remote control's Master Power feature by following these steps:

- Press the SAT key on the remote control for at least three seconds or until the light on the key blinks.
- Press the POWER key on the remote. The light will remain on steady. Press the power key a second time, and the light on the remote will blink on and off briefly, which indicates that the remote has accepted the Master Power command.

If you wish to cancel the Master Power feature, just repeat the steps outlined above.

## Verifying Your TV Mode Codes

You can verify the accepted programming codes for each mode by following these steps.


1. Press the TV key for at least three seconds or until the remote control unit LED blinks.
2. Press the "INFO" key.
3. The LED will blink, indicating the code of your TV, in the following sequence. For example, if your TV code is for a Tandy brand TV (code 105), the blink pattern will be:
  - Pause>long blink "1,"
  - Pause>short blink "0,"
  - Pause>long blink, long blink, long blink, long blink "5."A zero in the code will always be represented by a short blink.

## Multiple Receivers

For multiple satellite receivers (or a location with another Motorola BCS receiver nearby), you will need to select a different address for each remote and corresponding receiver unit in order to prevent one remote from affecting all receivers. If your unit is new and equipped with the universal remote, the factory has set the address to "0" for both the receiver and corresponding remote.



Additional receiver/remote pairs should have addresses set to a number from 1-3. To display and change the address of a receiver, perform the following steps:

1. Press the **POWER** key on the front panel of the receiver unit to turn the receiver off.
  2. Press the **CHANNEL**  keys on the front panel of the unit simultaneously. The display will read a number from 0-3. Press the E or W arrows keys on the front panel to change the address. Press the **POWER** key to exit this mode.
- To change the address of the corresponding remote:
1. Press and hold the **SAT** mode key on the remote until the light flashes. (This takes about three seconds.)
  2. Enter “1,” “0,” and the one-digit number (0-3) that matches the address of your receiver. If the remote accepts your address, you will see several rapid flashes of light.

## Volume Control Crossover

For most remote keys, your remote control will send the code corresponding to the mode it is currently in. For example, when the **POWER** key is pressed in **VCR** mode, the **VCR** power code is transmitted. In **TV** mode, the **TV** power code is transmitted. And in **SAT** mode, the **SAT** power code is transmitted. However, there are a few exceptions. Since **VCR**'s typically do not have volume controls, when in **VCR** mode, pressing any of the volume control keys (**VOLUME UP**, **VOLUME DOWN** and **MUTE**) will result in the transmission of the corresponding **TV** codes. When in **TV** mode, pressing the **REWIND**, **PLAY**, **FAST FORWARD**, **STOP**, **RECORD** or **PAUSE** keys will result in the transmission of the corresponding **VCR** codes. In **SAT** mode, you may select either **SAT** or **TV** codes to be transmitted when the volume keys are pressed.

Your new remote is set to have the satellite volume codes transmitted when in **SAT** mode. To change this, perform the following steps to configure crossover functions:

1. If you want volume control codes to be sent in **SAT** mode, press and hold the **SAT** mode key until the light flashes. While the light is flashing, press the **SAT** mode key again.
2. If you want volume control codes to be sent in **TV** mode, press and hold the **TV** mode key until the light flashes. While the light is flashing, press the **TV** mode key again.

## Replacing the Remote Control Batteries

When the remote control batteries are worn out (discharged), the remote will stop working. Replace the batteries as soon as possible to retain your programmed codes. Once you remove the batteries from the compartment, you must replace them within two hours to retain your programmable features. The remote control for this unit is powered by two AA batteries. Use only high quality, non-corrosive batteries designed for use in electronic equipment. Replace both batteries at the same time. To replace the batteries:

1. Remove the cover by pressing down the back panel indentation and removing the panel off the remote control.
2. Position each battery in the battery compartment so that the flat base (-) is against the spring so that the raised contact (+) is against the terminal. Make sure the batteries are securely seated.
3. Replace the cover.

### **“Remote Energy Saver”**

If you misplace your remote (i.e., it is stuck in your couch), and a key is inadvertently pressed, the remote will automatically turn itself off after three minutes.



## TV Codes (To program press the TV mode key)

Admiral	018,090,125	Jensen	056
A-Mark	120,224,225	JVC	057,058,059,060,186,224
Alwa	090,251	Kawashio	061
Alcal	000,032,070,149,172	Kenwood	006,251
Amstrad	033	Kloss	022,110
Anam	005,009,021,041,120,121	KMCC	224,225
Anam National	211	KTW	026,039,041,172,224,225
AOC	005,006,019,020,120,140,163,173	Lloytron	224
Archer	120	Lodgenet	018
ASA	047	Logik	018
Audio Dynamics	234	Luxman	023,213
Audiovox	120	LXI	003,010,066,090,117,125,129,131,134
Bell & Howell	018	Magnorox	172,173,194,223,251,254
Broskonic	005,144,172,173,174,219,226	Magnorox	000,006,008,010,017,020,025,027,028
Candle	006,022,023,023,163,213	Magic	066,067,068,110,144,151,154,163,164,167,172
Capehar	019	Majestic	173,175,192,194,218,224,225,231,231
Centurion	192,194	Martanz	018
Citizen	006,016,018,022,023,024,025,026,144	Marta	006,010,066,068,088,149,163,172,234
Concerto	163,202,213,224	Matsui	223
Conic	005,023,213	Matsui	032,109
Conic	041,091,185,227	Mentorex	018,032,090,223,232,251
Coronado	224,225	MGA	004,005,006,023,034,071,072,
Craig	021,041	Mitsubishi	149,163,172,187,192,194
Crown	026	Mitsubishi	004,005,023,034,070,071,072,
Curtis Mathes	006,016,018,026,039,123,163,172	MTC	122,123,149,172,173,187,192,194
CXC	192,194,202,224,231	NAD	005,006,016,023,031,163,202,213
Daewoo	005,024,026,029,030,031,032,130,172	NBC	002,117
Daytron	214,215,224,233,252	NBC	005,006,007,023,028,090,144,
DBX	026,192,194,224	National	163,172,173,191,192,194,213
DBX	234	National	011,151,190,195,196,211
Dimensia	125	Nikkai	113,118
Dunont	047	Oriwa	041
Electrolume	026,149,224	Optimus	232
Emerson	017,023,026,028,033,034,035,037,	Optonica	129
038,039,041,122,141,143,144,172,176,187,203,		Orion	219,226
204,205,219,222,223,224,225,226,227,231,233		Ossure	091
Envision	163	Panasonic	008,009,010,011,012,
Fisher	042,090,099,216,217	Philco	066,151,195,196,211,231,232
Fujitsu	034,187	Philco	005,006,025,067,068,
Futaba	034,041,187,251	Philips	110,151,163,172,218,224,225,251
Futuretech	041	Philips	005,010,025,027,066,068,088,146,151
GE	003,008,009,023,043,044,125,130	Pioneer	163,164,218,220,223,225,251
Goldstar	134,147,172,195,206,207,211,228,231	Pioneer	002,008,048,051,076
Goldstar	005,023,026,045,046,088,172,173,194	Portland	005,026,172,224,225
	213,223,224,225,230,234,254	Proscan	125,147,172
Grundig	047	Proton	006,013,019,023,026,172,224
Haihaark	0233	Pulsar	008,009,195,211,231,232
Hammor Kardon	234	Quasar	026,041,112,141,
Hinari	034,187	Radio Shack	173,194,224,229,230,232
Hitachi	018,023,026,048,049,050,051,052,053	RCA	
	054,055,116,126,142,172,185,213,224,	RCA	003,005,008,014,048,078,080,082,084,085
	225,231,251	Realistic	086,087,125,130,134,147,172,210,231,251
Infinity	010,066,151	Realistic	035,041,090,141,194,222,
JBL	010,066,151	SAA	223,224,229,251
JCEmy	003,005,006,014,016,026,043,044,	Saba	051,116,142
	096,125,134,163,172,194,206,207,	Saisio	032,033,109
	223,224,231,232,234		



## TV Codes cont.

Sampo	006,019,163,192,194	Technowood	023,213
Samsung	005,006,016,023,026,032,088,112	Teknika	004,005,016,018,022,023,
	163,172,173,192,194,202,213,221,224		024,025,026,034,041,072,114,149,151,187,202,
	225,229,233		213,223,224,225,251
Sansui	219	Telecart	018,224
Sanyo	042,089,090,091,092,109,194,216,217	Telephon	032
Scott	026,034,037,041,093,173,187,	Thomson	051,116,142
	192,194,224,233	TMK	023,172,213
Sears	003,023,034,042,090,096,098,099,	Toshiba	016,017,047,090,096,117,118,131,180
	101,102,104,117,125,131,134,151	Tovision	026,223,224
	187,194,202,216,217,223,224,225	Universal	201,202,216,233
Sharp	026,091,129,141,200,224,225	Vector Research	043,044,206,207
	018,251	Victor	006,234
Signature	000,109,119,122	Video Concepts	057
Sony	023,025,041,172,251	Videch	005,023,172,173
Soundesign	120	Viking	022
Spectron	005,041	Wards	005,006,018,023,034,043,044,067,068
SSS	022,023		119,125,141,151,163,172,173,187,192,
Supra	172,173,192,194,229,251		194,206,207,224,251
Symphonic	132,179,251	Westinghouse	090
Tandy	112,113,129,251	Yamaha	005,006,234,251
Tatung	009,211	Yorx	192,194
Teac	251	Zenith	001,018,178,219,223,251
Technics	008,032	Zonita	120

## Cable Boxes (To program press the TV mode key)

General Instrument	235,236,238,241,242,243	Spruce	249
Jarrod	235,236,237,238,241,242,243	Starcom	235
Parasonic	249,250	Toocom	241,242,243
Pioneer	244,245,246	Videonay	248
Scientific Atlant	239,240	Zenith	247,248

## DVD Codes (To program press the VCR mode key)

Denon	222,223,224,239	Pioneer	228,243,244
Fisher	236	Proscan	246,249,250,251
Funai	225	Quasar	236
General Electric	249,250	RCA	245,246,247,248,249,250,251
Goldstar	221	Radio Shack	225
Hitechi	226	Samsung	230
Kenwood	227,253	Sharp	253
Magnavox	228,229,230,231,232,252	Sony	215,216,217,218,219,220
Mitsubishi	228,230,233,234	Technics	236,237,240
NAD	228	Toshiba	230,243,252,253
Onkyo	230	Yamaha	239,254,255
Panasonic	235,236,237,238,239,240,241,242	Zenith	221,230,252
Philips	229,230,231		

## VCR Codes (To program press the VCR mode key)

Alma	088,202	Mitsubishi	062,067,068,069,070,071,109,124
Akai	008,013,014,015,016,018,019,020, 145,157,198,210	MTC	125,140,183,211
Alfa	046	Multitech	080,088,214
Amstrad	088,214	NAD	088,089,091,214
ASA	065	National	073,153
Audio Dynamics	030,093,210	National NEC	184 030,031,032,062,081,092,093, 100,102,127,128,160,210
Broksonic	008,059,148	Nordmende	210
Bush	089	Optonica	072,085
Cannon	054	Otom	006
Canon	022,042,056,080,092,093	Panasonic	021,022,023,024,026,054 098,114,129,184
Capelart	043,046	Pentax	037,092,094
Chizen	056,091,092,093	Philco	054,111,184
Coig	044,082,091	Philips	054,065,085,154,155,184
Curtis Mathes	054,092,105,184	Pioneer	062,073,074,075,076,093
Daewoo	034,046,093,150,204,206	Portland	046,093,206
Dayton	046,206	Proscan	105
DBX	030,093,210	Pulsar	033
Dimensia	105	Quartz	081
Dual	210	Quasar	054,078,184
Dumont	049	Radio Shack	081,082,084,085,109,184,188,214
Dynatch	088,214	RCA	025,026,027,028,037,091,105,146,147,162
Electrohome	109	Realistic	049,054,080,081,082,084,085, 088,090,109,132,190,192,193,198, 204,211,212,213,214
Emerson	005,006,008,009,010,011,012,059,066, 088,090,109,132,190,192,193,198, 204,211,212,213,214	Saba	210
Ferguson	210	Saito	006,212
Finlandia	049	Salora	067,081,183
Finlux	049,065,088,214	Samsung	015,034,079,080,091,186,204
Fisher	048,049,081,082,084	Sansui	032,062,093,210
Funai	088,214	Sanyo	044,049,081,082,083
General Electric	025,050,051,052,053 054,091,105,133,184 057,058,164,186	SBR	065
Go Video	030,033,056,092,102	Schaub Lorenz	210
Goldstar	085,089	Schneider	089
Goodmans	210	Scott	008,034,059,090,133,204,212,213
Graetz	049,081	Sears	048,049,081,082,084,094
Grundig	065	Sentra	046
Harmay/Kardon	030,069	Sharp	085,109,130,188
Hinari	089	Sony	000,001,002,003
Hitachi	036,037,038,040,041 088,094,095,121,210,214	Sylvania	054,067,088,111,183,184
ITT	018,210	Symphonic	214
Instant Replay	184	Tandy	081,082,084,085,088,109
JC Penney	030,052,054,080,081,091,093,094,184	Tashko	088
JCL	184	Tatung	086,210
Jensen	060,210	Teac	088,210,214
JVC	061,062,065,064,081,092,093,122,123,210 062,081,092,093,210	Teknika	054,087,088,184,214
Kenwood	088,214	Telefunken	210
Lloyd	088,214	Thomson	210
Logik	089	Thom TKK	210 006
Luxor	018	Toshiba	034,035,067,084,090,183,204,210
Magnavox	027,034,054,065,088,111,130,134,136 137,138,139,141,142,143,158,159,184	Tosivision	080,091
Maraetz	030,054,065,081,085,092,093,102,184	Unitech	080
MEI	054,184	Vector Research	030,092,093,183
Memorex	033,049,054,066,081, 082,085,088,184,214	Video Concepts	065,092,093
MGA	067,068,109,183,211	Vidsonic	091
Mifolita	094	Wards	027,054,080,082,085,088,089,090,09
		Yamaha	109,156,161,184,188,214
		Zenith	030,081,092,093,210 035,062

## Limited Warranty and Obtaining Services

### To Original Consumer Purchaser at Retail

General Instrument Corporation doing business as the Broadband Communication Sector of Motorola, Inc. ("Motorola BCS"), warrants only to the original consumer purchaser at retail each Motorola BCS remote control which it sells under this limited warranty to be free from defects in materials and workmanship under conditions of normal home use. This limited warranty is for one (1) year on all electrical and mechanical components. This limited warranty runs from the date of original purchase for consumer use.

### Responsibilities for You and Motorola BCS

You must retain your sales receipt or provide other proof-of-purchase date. Promptly completing and mailing in the warranty registration card is one way of providing proof-of-purchase date. If you have no such proof, then the warranty will run from the date of shipment by Motorola BCS. You should also keep this warranty for your records.

If you desire warranty service, you must notify Motorola BCS within the applicable warranty period. See "How to Obtain Warranty Service," on page 12.

Within a reasonable period after proper notification, Motorola BCS or an authorized Motorola BCS Service Center shall, at its option, repair or replace the remote control. Replacement may be with factory refurbished parts or components. You are responsible for any packing, shipping, and insurance charges associated with sending the remote control to any authorized service center for replacement.

This warranty shall be void if any product marking or label has been altered, defaced, or removed, or if the remote control has been altered, modified, used improperly, or had its housing opened.

MOTOROLA BCS IS NOT RESPONSIBLE FOR DAMAGES CAUSED BY LIGHTNING, MISUSE, ALTERATION, IMPROPER MAINTENANCE, SHIPMENT, ACCIDENT, OR ABUSE.

### Limitations

MOTOROLA BCS MAKES NO OTHER EXPRESS WARRANTIES ON REMOTE CONTROLS. TO THE EXTENT ALLOWED BY LAW, ANY WARRANTY BY MOTOROLA BCS ON A REMOTE CONTROL (INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS) IS LIMITED TO THE WARRANTY PERIOD APPLICABLE TO THE AFFECTED REMOTE CONTROL UNDER THIS EXPRESS LIMITED WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.



IN NO EVENT SHALL MOTOROLA BCS BE LIABLE FOR INDIRECT, EXEMPLARY, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES (INCLUDING LOST PROFITS AND LOSS OF USE OR PAID TV TIME) BASED UPON BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, STRICT LIABILITY, OR ANY OTHER LEGAL THEORY. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

NO AGENT, DEALER, DISTRIBUTOR, SERVICE CENTER, COMPANY, OR OTHER PERSON IS AUTHORIZED TO CHANGE, MODIFY, OR EXTEND THE TERMS OF THIS LIMITED WARRANTY IN ANY MANNER WHATSOEVER. This warranty gives you specific legal rights, and you may have other rights, which vary, from state to state.

## **How to Obtain Warranty Service**

To obtain warranty service, you must call or write Motorola BCS Technical Response Center within the applicable warranty period at Motorola BCS, Technical Response Center, 6450 Sequence Drive, San Diego, CA 92121, (800) 356-3383.

When you call or write, explain the problem. Ask for a Return Service Authorization (RSA) number and for the address to send the remote control if the remote control is to be returned. If you write, be sure to include a copy of your sales receipt or other proof of purchase date, a copy of your warranty, your phone number, and return address.

Pack the remote control safely and securely and put the RSA number on the outside of the shipping carton. Enclose a letter explaining the problem. Be sure to include a copy of your sales receipt or other proof of purchase date, and your phone number and return address. Ship it insured to the authorized service center specified by Motorola BCS. All packing, shipping and insurance charges to return the remote control to Motorola BCS must be prepaid by you.

**NOTE:** If the warranty on your remote control is expired, voided or inapplicable, Motorola will not repair the remote control until you agree to pay for quoted charges. If you do not agree within 30 days, the remote control will be returned unrepaired. You are responsible for transportation charges both ways on remote controls which are not under warranty. Out of warranty product shall be subject to additional service and repair charges if it is determined that any product label, marking or serial number has been altered, defaced or removed, and/or if the remote control has been altered, modified, used improperly or had its housing opened.

## Federal Communications Commission Radio and Television Interference Statement for a Class "B" Device.

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 communications. However, there is no guarantee that interference will not occur in a particular installation.

**User Instructions.** If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off then 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 receiver.
  - Connect the equipment into a different outlet so that the equipment and receiver are on different branch circuits.
  - Consult the dealer or an experienced radio/TV technician for help.
- Changes or modifications not expressly approved by Motorola BCS could void the user's authority to operate the equipment.

**Note:** This product was FCC certified under test conditions that included the use of shielded I/O cables and connectors between system components. To be in compliance with FCC regulations, the user must use shielded cables and connectors and install them properly.

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.

This digital apparatus does not exceed the Class A/Class B (whichever is applicable) limits for radio noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

### Specifications:

Transmitter .....	IR (Infrared)
Batteries .....	2 x AA type or 2 x AAA type
IR Range .....	Up to a minimum of 35ft.
Angle .....	±22° (IR)

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**MOTOROLA**

General Instrument Corporation doing business as the  
Broadband Communication Sector of Motorola, Inc.  
6450 Sequoia Dr.  
San Diego, CA 92121

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