

User's Guide for the

NOVARI™Cable TV Remote Control
for Motorola Digital
Set-Top Boxes

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**YOU CAN FIND PROGRAMMING INSTRUCTIONS
AND CODES FOR ALL OF OUR REMOTE
CONTROLS, AS WELL AS INFORMATION ABOUT
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Part Number USE18220, version 2.0
02072003

1 BEFORE YOU BEGIN

Make sure to set your TV to channel 2, 3, or 4 as directed by your cable company.

This manual makes reference to "device keys." These are the CBL, TV, VCR, DVD, and AUD keys at the top of the remote control.

After you have programmed the remote, you'll use the device keys to select which device you want the remote control to operate.

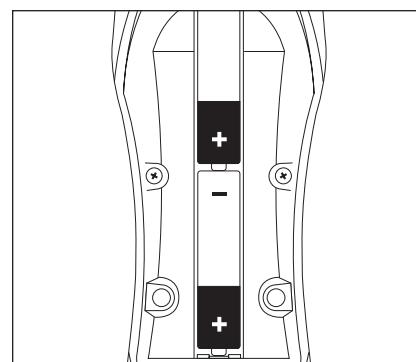
2 INSTALL BATTERIES

Before you can program or operate the remote control, you must install two Alkaline AA batteries.

STEP 1:
Remove the battery compartment cover on the back of your remote control.

STEP 2:
Check battery polarity carefully, and install the batteries as shown in the illustration below.

STEP 3:
Replace the battery compartment cover.

**IMPORTANT NOTE**

Weak batteries may disrupt normal operation of the remote.

We recommend that you use only new **Alkaline AA batteries**.

4 SETTING UP YOUR REMOTE

To set up the Novari to operate a device, look for the list of manufacturers' three-digit codes for the device type in sections 10-16 of this manual (the code for your set-top box is 000), then perform the following steps.

NOTE:

if you are setting up the remote for a: follow these instructions as if it were a:
TV/VCR Combo VCR
TV/DVD Combo DVD player (please read section 16 before continuing)
Personal Video Recorder VCR

1 On the remote control, press and hold the appropriate device key until the five device keys flash twice. The selected device key will continue to flash.

2 Enter the three-digit code.

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

If the device 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 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 the SmartScan™ section later in this manual.

4 Write the codes below

Set-top Box code _____ TV code _____

VCR Code _____ DVD Code _____ Audio Code _____

5 PROGRAMMING VOLUME CONTROL

By default, the TV, CBL, or AUD keys will send their own volume and mute signals to their device. If you would like to set up the Novari so that volume is always controlled by a particular device (set-top box, TV, or audio amplifier), follow these steps:

1 Press and hold the CBL key for approximately three seconds until the five device keys flash twice. The CBL key will continue to flash.

2 Press VOLUME UP then VOLUME DOWN then the Device Key (TV, CBL, or AUD) of the device that you want to control volume and mute functions. After you release the Device Key, the CBL key will blink three times to confirm the procedure.

NOTE: volume will always be controlled by your audio device when the remote control is in AUD mode — regardless of how you set up volume control in this section.

6 MASTER POWER CONTROL

You can program your Novari to turn on and off all of your remote-controlled devices (TV, CABLE, VCR, DVD, AUDIO) when you press POWER. All devices must be in direct line of sight to ensure proper operation. Perform the following steps to enable or disable power control for each device:

1 Make sure all devices to be controlled are turned on.

2 Press and hold the CBL key for approximately three seconds until all five device keys flash twice. The CBL key will continue to flash.

3 Press POWER twice. The CBL key will flash three times and turn off.

3 KNOW YOUR REMOTE

THE DIAGRAM BELOW SHOWS THE FUNCTIONS OF SPECIAL KEYS FOR YOUR SET-TOP BOX AND PROGRAM GUIDE. US ELECTRONICS PROVIDES THESE FUNCTION DESCRIPTIONS AS A GENERAL GUIDE TO ALLOW YOU TO BECOME MORE FAMILIAR WITH YOUR SET-TOP BOX. REFER TO YOUR SET-TOP BOX MANUAL FOR DESCRIPTIONS OF SPECIFIC FUNCTIONS.

POWER is used in conjunction with the device keys to turn devices on and off

DAY moves the on-screen guide backward and forward by one day

EXIT exits out of on-screen menus

FOUR-WAY CURSOR KEYS allow you to navigate through the on-screen menus. When the **AUD** key is selected, the left and right arrow keys allow you to tune stations on your audio

OK/SELECT chooses the highlighted item in the menu

GUIDE displays the program guide

MUTE turns volume off

VOL turns the volume up and down

FAV steps through favorite channels

NUMBER KEYS allow direct access to specific channels and menu options

TV/VCR/BYPASS switches the VCR between TV and VCR

VCR KEYS perform standard VCR functions when the **VCR** or **TV** keys are selected, and DVD functions when the **DVD** key is selected. If your cable provider offers Video-on-Demand (VOD) they operate VOD functions when the **CBL** key is selected.

CHANNEL SURF: Press and hold the **OK** button for 3 seconds. The remote will automatically send 25 channel up/down signals (depending on which channel button was used last) in half-second intervals. If you see a channel that you want to watch, press any button on the remote to stop channel surfing.

7 CHANNEL LOCK

Channel Lock prevents the channel up and down functions from operating any device other than the set-top box — no matter which device (TV, CABLE, VCR, DVD, AUDIO) is currently selected.

The Novari comes with Channel Lock activated. If you want the remote control to operate channel functions on your TV or VCR you will need to de-activate Channel Lock. To de-activate Channel Lock, follow these steps:

1 Press and hold the **CBL** key for 3 seconds. The **CBL** key will continue to flash.

2 Press CHANNEL UP; press CHANNEL DOWN; then press SELECT. The **CBL** key will blink three times to confirm the procedure.

Repeat these steps to re-activate Channel Lock.

8 SMARTSCAN™

If none of the codes listed for your device works, the SmartScan™ procedure will allow you to cycle through all the available codes in the remote until you find the right one.

1 Manually turn on power to the device for which you want to program the remote (TV, VCR, DVD, AUDIO).

2 Press and hold the appropriate device key for approximately three seconds until the five device keys flash twice. The selected device key will continue to flash. Press POWER. The device key will stop flashing and remain on.

3 Point the remote control at the device. Press and hold the UP ARROW key. Approximately once every second, the remote sends the power-off command using a different device code. When the device turns off, that means that the remote has reached a code that can control the device. Immediately release the UP ARROW key when the device turns off. If you accidentally press the UP ARROW key after the device has turned off, press the DOWN ARROW key to return to the previous device code.

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

**9 RECALLING A DEVICE CODE**

Perform the following steps to read the code currently set for a device. This is useful for retrieving a device code that was set using the SmartScan™ procedure.

1 Press and hold a device key until the five device keys flash twice. The selected device key will continue to flash.

2 Press INFO. The device key flashes each of the three digits in the code. A pause separates each digit. For example, three flashes represent the number 3, and a rapid flicker represents 0, so a code of 103 will be shown as:

FLASH <pause> FLICKER <pause> FLASH FLASH FLASH

3 Count and record the sequence of flashes to determine the three-digit code.

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TELEVISION CODES

AOC	005 • 006 • 019 • 020 • 120 • 140 • 163 173
ASA	047
Admiral	003 • 018 • 034 • 041 • 090 • 125 • 129
Aiko	024
Aiwa	090
Akai	000 • 032 • 070 • 149 • 172
Alaron	034
Amark	120 • 224 • 225
Amstrad	033
Anam	005 • 009 • 021 • 041 • 120 • 121 • 183
Anam National	211
Archer	120
Audiovox	024 • 041 • 120 • 170
Bell & Howell	018 • 090
Broksonic	005 • 144 • 172 • 173 • 174 • 176
CXC	041
Candle	006 • 022 • 023 • 025 • 163 • 213
Capehart	019
Carver	151
Centurion	192 • 194
Citizen	006 • 016 • 018 • 022 • 023 • 024 • 025 026 • 144 • 163 • 202 • 213 • 224
Concerto	005 • 023 • 213
Contec	041 • 091 • 181 • 185 • 227
Corando	224
Coronado	225
Craig	021 • 041
Crown	026 • 041
Curtis Mathes	006 • 016 • 018 • 026 • 059 • 090 125 • 131 • 163 • 172 • 192 • 194 • 202 • 224
Daewoo	005 • 024 • 026 • 029 • 030 • 031 • 032 130 • 170 • 172 • 224
Daytron	026 • 192 • 194 • 224
Denon	169
Dimensia	125
Lloytron	224

Philips	005 • 010 • 025 • 027 • 066 • 068 • 088 146 • 151 • 163 • 164 • 220 • 225
Pioneer	002 • 008 • 048 • 051 • 076 • 131 • 166
Portland	005 • 024 • 026 • 172 • 224 • 225
Proscan	125 • 172
Proton	006 • 013 • 019 • 023 • 026 • 172 • 224
Pulsar	001
Quasar	008 • 009 • 012 • 165 • 183 • 195 • 211
RCA	003 • 005 • 008 • 014 • 048 • 078 • 079 080 • 082 • 084 • 085 • 086 • 087 • 125 130 • 134 • 149 • 172 • 182 • 183 • 210
Radio Shack	003 • 026 • 041 • 072 • 090 • 112 141 • 172 • 173 • 194 • 224 • 229
Realistic	035 • 041 • 090 • 141 • 172 • 194 222 • 224 • 229
Runcor	001
SSS	005 • 041
Saba	051 • 116 • 142
Saisho	032 • 033 • 109
Sampo	006 • 019 • 163 • 192 • 194
Samsung	005 • 006 • 016 • 023 • 026 • 032 088 • 112 • 163 • 172 • 173 • 192 194 • 202 • 213 • 224 • 225 • 229
Sansui	176
Sanyo	042 • 089 • 090 • 091 • 092 • 109 • 194
Scott	026 • 034 • 037 • 041 • 093 • 172 173 • 187 • 192 • 194 • 204 • 224
Sears	003 • 023 • 034 • 042 • 090 • 096 • 098 099 • 101 • 102 • 104 • 117 • 125 • 131 • 132 134 • 151 • 172 • 187 • 194 • 202 • 224 • 225
Sharp	026 • 091 • 129 • 141 • 200 • 224 • 225
Signature	018
Sony	000 • 109 • 119 • 122 • 189
Soundesign	023 • 025 • 034 • 041 • 172
Spectron	120
Starlite	041

Supra	022 • 023
Sylvania	006 • 010 • 025 • 064 • 065 • 066 068 • 110 • 112 • 132 • 151 • 163 172 • 173 • 192 • 194 • 229 • 231
Symphonic	132 • 179
TMK	023 • 172 • 213
Tandy	112 • 129
Tatung	009 • 183 • 211
Technics	008 • 012 • 165
Techwood	023 • 165 • 213
Teknika	004 • 005 • 016 • 018 • 022 • 023 024 • 025 • 026 • 034 • 041 • 072 • 114 149 • 151 • 187 • 202 • 213 • 224 • 225
Telerent	018 • 224
Teletech	032
Thomson	051 • 116 • 142
Toshiba	016 • 017 • 047 • 090 • 096 117 • 118 • 131 • 180 • 201 • 202
Totevision	026 • 224
Universal	043 • 044 • 206 • 207
Vector Research	006
Victor	057 • 060
Video Concepts	070
Vidtech	005 • 023 • 172 • 173
Viking	022
Wards	005 • 006 • 018 • 023 • 034 • 043 • 044 064 • 065 • 067 • 068 • 119 • 125 • 141 151 • 163 • 172 • 173 • 182 • 187 • 192 194 • 206 • 207 • 224
Westinghouse	041 • 090 • 130 • 170 171 • 176 • 204
Yamaha	005 • 006
York	192 • 194
Zenith	001 • 018 • 024 • 178
Zonda	120

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VCR CODES

ASA	065 • 134
Admiral	085 • 178
Aiwa	056 • 088 • 202
Akai	008 • 013 • 014 • 015 • 016 • 019 020 • 068 • 086 • 198 • 210
Alba	046
American High	158
Amstrad	088
Audio Dynamics	030 • 086 • 093 • 210
Audiovox	056
Bell & Howell	049 • 175 • 177
Broksonic	005 • 008 • 059 • 148 • 198
Bush	089
CCE	176
Calix	056
Candle	042 • 056 • 080 • 092 • 093 • 149
Canon	042 • 054 • 158 • 184
Capehart	046
Carver	065 • 136
Cineral	176
Citizen	056 • 091 • 092 • 093
Craig	044 • 056 • 083 • 091
Curtis Mathes	051 • 054 • 088 • 092 • 105 114 • 139 • 149 • 158 • 184
Cybernex	091
DBX	030 • 086 • 093 • 210
Daewoo	034 • 046 • 093 • 150 • 176 • 204
Daytron	046
Denon	173
Dimensia	105
Dual	210
Dumont	049
Dynatech	088 • 161
Electrohome	056 • 068
Electrophonic	056
Emerson	005 • 006 • 008 • 009 • 010 • 011 • 012 056 • 059 • 068 • 070 • 088 • 090 • 132 148 • 169 • 176 • 190 • 192 • 193 • 198 204 • 211 • 212 • 213
Ferguson	210

Magnavox	027 • 033 • 034 • 050 • 054 • 065 076 • 085 • 088 • 111 • 130 • 134 • 136 137 • 138 • 139 • 141 • 143 • 158 • 159 • 184
Magnin	091
Marantz	030 • 054 • 065 • 083 • 085 • 092 • 093 102 • 134 • 136 • 158 • 159 • 161 • 184
Marta	056
Matsushita	114 • 158
Memorex	033 • 049 • 054 • 056 • 066 • 081 • 082 085 • 088 • 091 • 114 • 158 • 161 • 178 • 184
Minolta	094 • 173
Mitsubishi	062 • 067 • 068 • 069 • 070 • 071 124 • 125 • 140 • 169 • 178 • 183 • 211
Motorola	158 • 178
Multitech	088 • 089 • 091 • 174
NAD	073
NEC	030 • 031 • 032 • 049 • 062 • 081 • 086 092 • 093 • 102 • 127 • 128 • 160 • 210
National	184
Nikko	056
Noxlex	091
Nokia	176
Nordmende	210
Olympus	158
Optimus	049 • 056 • 091 • 114 • 178
Optonica	085 • 130 • 161
Orion	005 • 006
Panasonic	023 • 024 • 026 • 054 • 078 • 098 114 • 129 • 139 • 149 • 170 • 171 • 184
Pentax	037 • 092 • 094 • 173
Philco	054 • 088 • 111 • 134 • 158 • 176 • 184
Phillips	054 • 065 • 085 • 088 • 134 • 136 154 • 155 • 158 • 161 • 184
Pilot	056
Pioneer	062 • 073 • 074 • 075 • 076 • 093 046 • 093
Proflightronic	091
Proscan	034 • 065 • 105 • 136 • 173
Pulsar	033
Quartz	081

Quasar	017 • 054 • 078 • 114 • 129 139 • 149 • 158 • 170 • 184
RCA	025 • 026 • 027 • 028 • 034 • 037 051 • 065 • 088 • 091 • 094 • 105 • 136 139 • 147 • 158 • 173 • 178 • 184 • 194
Marantz	030 • 054 • 065 • 083 • 085 • 092 • 093 102 • 134 • 136 • 158 • 159 • 161 • 184
Marta	056
Matsushita	114 • 158
Memorex	0