



# MILLENNIUM™ 3

## Universal Remote Control



## User's Guide

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## INTRODUCTION

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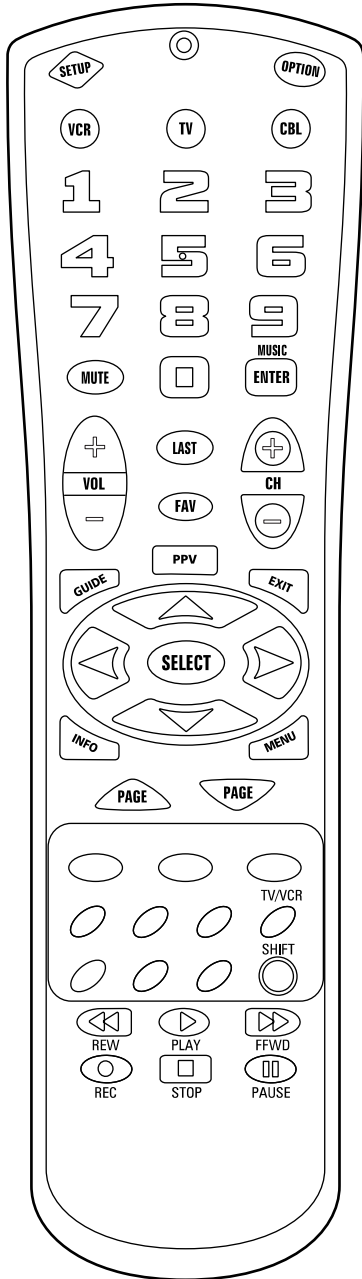
The Universal Electronics Millennium™ 3 is our latest generation universal remote control. It is designed to operate all of the features of your cable converter and only the most-used features of your TV (e.g., Volume Up/Down) and VCR (e.g., Play, Stop, Fast Forward, Rewind, Pause, and TV/VCR Select). Moreover, the Millennium 3 is packed with easy-to-use features such as:

- Preprogrammed codes to operate the cable converter supplied by your cable system provider
- Preprogrammed technology for easy setup
- Color-coded keys to quickly locate popular functions
- Cable ID Lock to lock your remote control for use only with the cable converter
- Code Search to help program control of older or discontinued components
- Option key for assigning your favorite channels
- Shift key for access to cable Video On Demand (VOD) features and TV channel changing capability


Before you can use your new remote control, you will need to program it to operate the specific home entertainment components you wish to control. Follow the instructions detailed in this manual to set up your Millennium 3 and enjoy your new remote control.

## FEATURES AND FUNCTIONS

Use the illustration below to locate Millennium 3 features and then study the *Key Charts* (on the next two pages) to learn how they function.

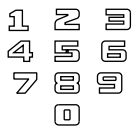



## Key Charts


 The LED (red light) blinks to show that the remote control is working and is sending signals.


   Press VCR, TV, or CBL once to turn on or off a selected component.


 Use SETUP for all programming sequences.


 Use the keypad (0 ~ 9) to directly select channels (e.g., 09 or 31).


 Press MUTE once to turn sound off or on.


 Press ENTER once after entering channel numbers on some TV models.


 Use volume + (or volume -) to raise (or lower) the sound volume.

 Use CH + (or CH -) to select the next higher (or lower) channel.


 Press LAST once to recall the last channel and to page back one screen in the main menu.

 Use FAV to cycle through your favorite channels that are stored in your cable converter.

 Use GUIDE to display the program guide.

 Press PPV/LOCK once to display the pay per view menu or to lock out a specific channel on your cable converter.

 Use EXIT to exit out of your cable converter's menu and guide.

 Use cursor keys to move the cursor in the program guide and menu screens.

*continued on next page..*

### Key Charts (continued)



Use SELECT/OK to choose options, PPV events, and to tune programs from the program guide.



Use INFO to display current channel and program information.



Press MENU once to display your cable converter's screen menu.



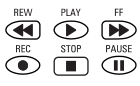
Use PAGE  $\Delta$  (or PAGE  $\nabla$ ) to page up or down) through menu screens and the program guide.



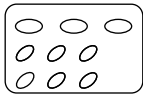
Use OPTION to program one-button selection of your favorite channels (see page 24).



Use SHIFT to access features on your TV's channels and cable system's Video On Demand (VOD) (see page 21).



In the VCR and TV modes, use the REW, PLAY, FF, REC, STOP, and PAUSE keys to control your VCR. To record a program, press REC twice.

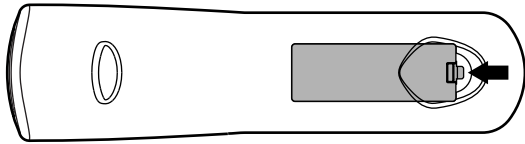


Reserved for cable converter features (see your cable converter manual).

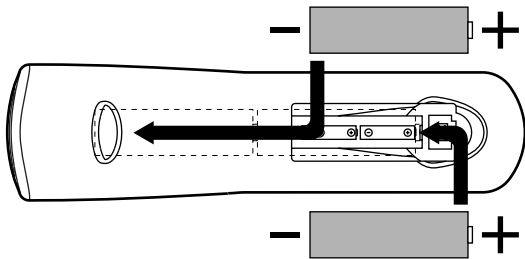


Press TV/VCR once to switch the VCR to view TV channels or tape.

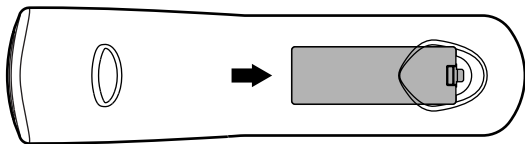
## INSTALLING BATTERIES



1



2



3

1. On the back of the Millennium 3, push the tab and lift off the battery cover.
2. Obtain two (2) fully-charged AA alkaline batteries. Match the + and - marks on the batteries to the + and - marks in the battery case, then insert the new batteries.
3. Press the battery cover back into place. The tab should click when the cover is locked.
4. Test the unit by any mode key (e.g. VCR, TV, or CBL). If the batteries are inserted correctly, the LED will blink once.

*NOTE: Whenever batteries need replacement, the Millennium 3 will blink twice with every key press. Simply replace the batteries and the Millennium 3 will be restored to its full functionality, complete with your favorite settings.*



## PROGRAMMING TV CONTROL

*NOTE: If you own a TV/VCR combination, skip this section and perform "Programming TV/VCR Combo Control" on page 16.*


Locate the brand name of your TV in the *Setup Codes For TVs* section below, and write it in the following space.

TV Brand: \_\_\_\_\_

The brands are listed in alphabetical order with the most popular codes listed first. You will use one of these codes to program the Millennium 3 to operate your TV:

1. Turn on the TV.
2.  On the Millennium 3, press TV once. Press and hold **SETUP** until the LED blinks twice, then release **SETUP**.  

3. Enter the first four-digit code for your TV. If you perform this procedure correctly, the LED will blink twice.

*NOTE: If the LED did not blink twice after entering the code's last digit, then repeat steps 2 through 3 and try entering the same code again.*

4.  Aim the Millennium 3 at your TV and press TV once. The TV should turn off. If it does not respond, repeat steps 2-3, trying each code for your brand until you find one that works. If it still does not work, try searching for the code (see *Searching For Your Code* on page 22).
5. Write your TV code in the boxes below for future reference.

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*NOTE: Remember, to use the Millennium 3 to operate your TV, press TV first.*

### Setup Codes for TVs:

A-Mark	0003
AOC	0030, 0019, 0003, 0052, 0185
Abex	0032
Admiral	0093
Adventura	0046
Aiko	0092
Akai	0030
Alaron	0179
Ambassador	0177



Anam	0180
Anam National	0055
Archer	0003
Audiovox	0451, 0180, 0003, 0092, 0623
Baysonic	0180
Belcor	0019
Bell & Howell	0154, 0016
Bradford	0180
Brockwood	0019
Broksonic	0236, 0463, 0003
CXC	0180
Candle	0030, 0056, 0046, 0186
Carnivale	0030
Carver	0054
Celebrity	0000
Cineral	0451, 0092
Citizen	0060, 0030, 0056, 0039, 0046, 0092, 0186, 0280
Clairtone	0185
Concerto	0056
Contec	0180, 0185
Craig	0180
Crosley	0054
Crown	0180, 0039
Curtis Mathes	0047, 0054, 0154, 0051, 0451, 0093, 0060, 0030, 0145, 0056, 0016, 0039, 0166, 0466
Daewoo	0451, 0019, 0039, 0092, 0623, 0624
Daytron	0019
Denon	0145
Dumont	0017, 0019
Dwin	0720, 0774
Electroband	0000, 0185
Emerson	0154, 0236, 0463, 0180, 0282, 0178, 0019, 0179, 0039, 0038, 0177, 0185, 0280, 0623, 0624
Envision	0030
Fisher	0154, 0159
Fujitsu	0179
Funai	0180, 0179, 0171
Futuretech	0180
GE	0047, 0051, 0451, 0093, 0282, 0178, 0021, 0055, 0027, 0135
Gibraltar	0017, 0030, 0019
GoldStar	0030, 0178, 0019, 0056, 0001, 0032
Gradiente	0053, 0056
Grunpy	0180, 0179
Hallmark	0178
Harley Davidson	0179
Harman/Kardon	0054
Harvard	0180
Hitachi	0145, 0056, 0032, 0038, 0151
Infinity	0054
Inteq	0017
JBL	0054
JCB	0000

continued on next page...

Setup Codes for TVs (continued):

JVC	0053
Janeil	0046
KEC	0180
KTV	0180,0030,0039,0185,0280
Kaypani	0052
Kenwood	0030,0019
Kloss	0024,0046
LG	0056
LXI	0047,0054,0154,0156,0178
Logik	0016
Luxman	0056
MEI	0185
MGA	0150,0030,0178,0019
MTC	0060,0030,0019,0056,0185
Magnavox	0054,0030,0179,0020,0024,0096,0186,0187,0386
Majestic	0016
Marantz	0054,0030
Matsushita	0250
Megatron	0178,0145,0003
Memorex	0154,0250,0150,0178,0056,0016
Midland	0047,0017,0051,0039,0032,0135
Minutz	0021
Mitsubishi	0093,0150,0178,0019
Motorola	0093,0055
Multitech	0180
NAD	0156,0178,0166
NEC	0030,0019,0056,0497
NTC	0092
Nikko	0030,0178,0092
Noshi	0018
Onwa	0180
Optimus	0154,0250,0166
Optonica	0093,0165
Orion	0236,0463,0179
Panasonic	0051,0250,0055
Penney	0047,0156,0051,0060,0030,0178,0021,0019,0018,0056, 0039,0003,0027,0032,0135
Philco	0054,0463,0030,0145,0019,0020,0096
Philips	0054
Pilot	0030,0019,0039
Pioneer	0038,0166
Portland	0019,0039,0092
Prism	0051
Proscan	0047
Proton	0178,0003,0052,0466
Pulsar	0017,0019
Quasar	0051,0250,0165,0055
RCA	0047,0051,0093,0019,0018,0038,0090,0135
Radio Shack	0047,0154,0165,0180,0030,0178,0019,0056,0039,0032
Realistic	0154,0165,0180,0030,0178,0019,0056,0039,0032

Rhapsody	0185
Runco	0017, 0030, 0497
SSS	0180, 0019
Sampo	0030, 0039, 0032, 0052
Samsung	0060, 0030, 0178, 0019, 0056, 0032
Samsux	0039
Sansei	0451
Sansui	0463
Sanyo	0154, 0146, 0159
Scimitsu	0019
Scotch	0178
Scott	0236, 0180, 0178, 0019, 0179
Sears	0047, 0054, 0154, 0156, 0178, 0179, 0056, 0146, 0159, 0171
Semivox	0180
Semp	0156
Sharp	0093, 0165, 0039, 0386
Shogun	0019
Signature	0016
Simpson	0186, 0187
Sony	0000, 0080
Soundesign	0180, 0178, 0179, 0186
Spectricon	0003
Squareview	0171
Starlite	0180
Supre-Macy	0046
Supreme	0000
Sylvania	0054, 0030, 0020, 0096
Symphonic	0171
TMK	0178, 0056, 0177
Tandy	0093
Tatung	0055, 0003
Technics	0051, 0250
Technol Ace	0179
Techwood	0051, 0056, 0003
Teknika	0054, 0180, 0150, 0060, 0019, 0179, 0056, 0016, 0039, 0092, 0186
Telefunken	0056
Toshiba	0154, 0156, 0060
Tosonic	0185
Totevision	0039
Universal	0027
Vector Research	0030
Victor	0053
Vidikron	0054
Vidtech	0178, 0019
Viking	0046
Wards	0054, 0165, 0030, 0178, 0021, 0019, 0179, 0056, 0016, 0020, 0027, 0080, 0096
White Westinghouse	0623, 0624
Yamaha	0030, 0019
Zenith	0017, 0016, 0092
Zonda	0003



## PROGRAMMING VCR CONTROL

*NOTE: If you own a TV/VCR combination, skip this section and perform "Programming TV/VCR Combo Control" on page 16.*



Locate the brand name of your VCR in the *Setup Codes For VCRs* section below, and write it in the following space.

VCR Brand: \_\_\_\_\_

The brands are listed in alphabetical order with the most popular codes listed first. You will use one of these codes to program the Millennium 3 to operate your VCR:

1. Turn on your VCR and insert a video cassette.
2.  On the Millennium 3, press VCR once. Press and hold SETUP until the LED blinks twice, then release SETUP.  

3. Enter the first four-digit code for your VCR. If you perform this procedure correctly, the LED will blink twice.

*NOTE: If the LED did not blink twice after entering the code's last digit, then repeat steps 2 through 3 and try entering the same code again.*

4.  Aim the Millennium 3 at your VCR and press VCR once. The VCR should turn off. If your VCR remote control does not have a POWER key, press PLAY. If the VCR does not respond, repeat steps 2-3, trying each code listed for your brand until you find one that works. If the VCR still does not work, try searching for the code (see *Searching For Your Code* on page 22).  

5. Write your VCR code in the boxes below for future reference.

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*NOTE: Remember, to use the Millennium 3 to operate your VCR, press VCR first.*

### Setup Codes for VCRs:

Admiral	0048
Adventura	0000
Aiko	0278
Aiwa	0037, 0000, 0307
Akai	0041, 0061, 0106
American High	0035
Asha	0240

Audiovox	0037
Beaumarck	0240
Bell & Howell	0104
Broksonic	0184, 0121, 0209, 0002, 0479
CCE	0072, 0278
Calix	0037
Canon	0035
Capehart	0020
Carver	0081
Cineral	0278
Citizen	0037, 0278
Colt	0072
Craig	0037, 0047, 0240, 0072, 0271
Curtis Mathes	0060, 0035, 0041, 0162
Cybernex	0240
Daewoo	0045, 0278, 0020, 0561
Daytron	0020
Denon	0042
Dynatech	0000
Electrohome	0037
Electroponic	0037
Emerex	0032
Emerson	0037, 0184, 0000, 0121, 0043, 0209, 0002, 0278, 0061, 0208, 0212, 0479, 0561
Fisher	0047, 0104, 0054, 0066
Fuji	0035, 0033
Funai	0000
GE	0060, 0035, 0048, 0240, 0202
Garrard	0000
Go Video	0526
GoldStar	0037, 0038
Gradiente	0000, 0008
HI-Q	0047
Harley Davidson	0000
Harman/Kardon	0081, 0038
Harwood	0072
Headquarter	0046
Hitachi	0000, 0042, 0041, 0105
JVC	0067, 0041, 0008
Jensen	0041
KEC	0037, 0278
KLH	0072
Kenwood	0067, 0041, 0038
Kodak	0035, 0037
LXI	0037
Lloyd's	0000, 0208
Logik	0072
MEI	0035
MGA	0240, 0043, 0061
MGN Technology	0240
MTC	0240, 0000
Magnasonic	0278

*continued on next page...*

## Setup Codes for VCRs (continued):

Magnavox	0035, 0039, 0081, 0000, 0149
Magnin	0240
Marantz	0035, 0081
Marta	0037
Matsushita	0035, 0162
Memorex	0035, 0037, 0048, 0039, 0047, 0240, 0000, 0104, 0162, 0046, 0307
Minolta	0042, 0105
Mitsubishi	0048, 0067, 0043, 0061
Motorola	0035, 0048
Multitech	0000, 0072
NEC	0104, 0067, 0041, 0038
Nikko	0037
Nikon	0034
Noblex	0240
Olympus	0035
Optimus	0037, 0048, 0104, 0162
Optonica	0062
Orion	0184, 0002, 0479
Panasonic	0035, 0162, 0077, 0225
Penney	0035, 0037, 0240, 0042, 0038, 0054
Pentax	0042, 0105
Philco	0035, 0209, 0479
Philips	0035, 0081, 0062
Pilot	0037
Pioneer	0067
Portland	0020
Profitronic	0240
Proscan	0060, 0202
Protec	0072
Pulsar	0039
Quarter	0046
Quartz	0046
Quasar	0035, 0162, 0077
RCA	0060, 0035, 0048, 0240, 0042, 0149, 0077, 0105, 0106, 0202
Radio Shack	0000
Radix	0037
Randex	0037
Realistic	0035, 0037, 0048, 0047, 0000, 0104, 0062, 0046, 0066
Ricoh	0034
Runco	0039
STS	0042
Samsung	0240, 0045
Sanky	0048, 0039
Sansui	0000, 0067, 0041, 0271, 0479
Sanyo	0047, 0240, 0104, 0046
Scott	0184, 0045, 0121, 0043, 0212
Sears	0035, 0037, 0047, 0000, 0042, 0104, 0046, 0054, 0066, 0105
Semp	0045
Sharp	0048, 0062




Shintom	0072
Shogun	0240
Singer	0072
Sony	0035, 0032, 0000, 0033, 0034
Sylvania	0035, 0081, 0000, 0043
Symphonic	0000
TMK	0240, 0208
Tatung	0041
Teac	0000, 0041
Technics	0035, 0162
Teknika	0035, 0037, 0000
Thomas	0000
Toshiba	0045, 0043, 0066, 0212
Totevision	0037, 0240
Unitech	0240
Vector	0045
Vector Research	0038
Video Concepts	0045, 0061
Videosonic	0240
Wards	0060, 0035, 0048, 0047, 0081, 0240, 0000, 0042, 0072, 0149, 0062, 0212
White Westinghouse	0278
XR-1000	0035, 0000, 0072
Yamaha	0038
Zenith	0039, 0000, 0033, 0034

## PROGRAMMING TV/VCR COMBO CONTROL


Locate the brand name of your TV/VCR Combo in the *Setup Codes For TV/VCR Combos* section below, and write it in the following space.

TV/VCR Combo Brand: \_\_\_\_\_






The brands are listed in alphabetical order with popular codes listed first. You will use one of these codes to program the Millennium 3 to operate your TV/VCR Combo:

1. Turn on your TV/VCR Combo and insert a video cassette.
2.  On the Millennium 3, press VCR once. Press and hold  until the LED blinks twice, then release .
3. Enter the first four-digit code for your TV/VCR Combo. If you perform this procedure correctly, the LED will blink twice.

*NOTE: If the LED did not blink twice after entering the code's last digit, then repeat steps 2 through 3 and try entering the same code again.*

4.  Aim the Millennium 3 at your TV/VCR Combo and press VCR once. The unit should turn off. If it does not respond, repeat steps 2-3, trying each code listed for your brand until you find one that works. If it still does not work, try searching for the code (see *Searching For Your Code* on page 22).
5. If you've located a TV/VCR setup code that works your TV/VCR Combo and a separate TV code is also listed, you'll need to program this code into the Millennium 3 to access volume control (see *Programming TV Control* on page 8).

If there is no separate TV code listed, you will need to perform the following steps to access volume control:

- a.  Press and hold  until the LED blinks twice, then release .
- b.  Enter 9 - 9 - 3. The LED will blink twice.
- c.  Press VCR once. The LED will blink twice.



6. Write your TV/VCR Combo code in the boxes below for future reference.

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*NOTE: Remember, to use the Millennium 3 to operate your TV/VCR Combo, press VCR first.*





**Setup Codes for TV/VCR Combos:**

American High	0035 (for TV use 0051)
Brocksonic	0002, 0294,
Colt	0072
Curtis Mathis	0035 (for TV use 0051)
Daewoo	0278
Emerson	0002, 0294, 0479
Funai	0000
GE	0035 (for TV use 0051), 0060 (for TV use 0047), 0048 (for TV use 0093), 0240
Hitachi	0035 (for TV use 0051), 0000
HQ	0000
Lloyds	0000
MGA	0240
Magnavox	0081 (for TV use 0054), 0035 (for TV use 0051), 0000
Magnin	0240
Memorex	0037, 0162 (for TV use 0250)
Mitsubishi	0048 (for TV use 0093)
Orion	0002, 0294, 0479
Panasonic	0035 (for TV use 0051), 0162 (for TV use 0250)
Penney	0035 (for TV use 0051), 0240, 0162 (for TV use 0250)
Quasar	0035 (for TV use 0051), 0162 (for TV use 0250)
RCA	0060 (for TV use 0047), 0035 (for TV use 0051), 0048 (for TV use 0093)
Sansui	0000, 0479
Sanyo	0240
Sears	0000, 0037
Sharp	0048 (for TV use 0093)
Sony	0032 (for TV use 0000)
Symphonic	0000
Zenith	0000

## PROGRAMMING CABLE CONVERTER (OR DBS RECEIVER) CONTROL

The Millennium 3 is preprogrammed at the factory to operate the cable converter given to you by your cable company. However, if you have another brand or model of cable converter or satellite receiver that you would like to control, then you'll need to perform the following instructions to unlock the cable key, enter in a new code, and lock the cable key again.

### To unlock the Cable key:



1. Turn on the Cable Converter or DBS Receiver.
2.  On the Millennium 3, press CBL once. Press and hold **SETUP** until the LED blinks twice, then release **SETUP**.  

3.  Enter 9 - 9 - 7. The LED will blink twice.
4.  Press CH – once. The LED will blink twice.

### To program the Cable key:


1. Locate the brand name of your Cable Converter (or Direct Broadcast Satellite Receiver) in the *Setup Codes For Cable Converters* (or *Setup Codes For DBS Receivers*) section starting on the next page, and write it in the appropriate space.

Cable Converter Brand: \_\_\_\_\_  
or  
DBS Receiver Brand: \_\_\_\_\_

The brands are listed in alphabetical order with the most popular codes listed first. You will use one of these codes to reprogram the Millennium 3 to operate your Cable Converter or DBS Receiver.

2.  On the Millennium 3, press CBL once. Press and hold **SETUP** until the LED blinks twice, then release **SETUP**.  

3. Enter the first four-digit code for your Cable Converter or DBS Receiver. If you perform this procedure correctly, the LED will blink twice.





*NOTE: If the LED did not blink twice after entering the code's last digit, then repeat steps 2 through 3 and try entering the same code again.*

4.  Aim the Millennium 3 at your Cable Converter or DBS Receiver and press CBL once. The unit should turn off. If it does not respond, repeat steps 2-3, trying each code listed for your brand until you find one that works. If it still does not work, try searching for the code (see *Searching For Your Code* on page 22).
5. Write your Cable Converter or DBS Receiver code in the boxes below for future reference.

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*NOTE: Remember, to use the Millennium 3 to operate your Cable Converter or DBS Receiver, press CABLE first.*

**To lock the Cable key:**

1.  On the Millennium 3, press CBL once. Press and hold SETUP until the LED blinks twice, then release SETUP.  

2.  Enter 9 - 9 - 7. The LED will blink twice.
3.  Press CH + once. The LED will blink twice.

**Setup Codes for Cable Converters:**

ABC	0003, 0008, 0017, 0013
ABC Cable	0033
Americast	0899
Contec	0019
General Instrument	0476, 0276, 0810
GoldStar	0144
Hamlin	0020, 0259
Jerrold	0003, 0012, 0476, 0276, 0810
Macom	0033
Memorex	0000
Movie Time	0063
NSC	0063
Oak	0019
Optimus	0021
Panasonic	0000, 0107, 0021
Paragon	0000
Pioneer	0144, 0533
Pulsar	0000
Quasar	0000
RCA	0021
Regal	0020, 0259
Runco	0000

*continued on next page..*

**Setup Codes for Cable Converters (continued):**

Samsung	0144
Scientific Atlanta	0008, 0477, 0017, 0277, 0774, 0877
Sprucer	0021
Starcom	0003
TV86	0063
Tocom	0012, 0013
Toshiba	0000
Viewstar	0063
Zenith	0000, 0525, 0899

**Setup Codes for DBS Receivers:**



AlphaStar	0772
Echostar	0775
Expressvu	0775
General Instrument	0627, 0361, 0869
HTS	0775
Hitachi	0819
Hughes	0749
JVC	0775
Jerrold	0627, 0361
Magnavox	0724, 0722
Memorex	0724
Next Level	0869
Panasonic	0701
Philips	0724, 0722
Primestar	0627, 0361
RCA	0566
Sony	0639
Star Choice	0869
Toshiba	0790
Uniden	0724, 0722
Zenith	0856

## USING THE SHIFT KEY


The SHIFT key is designed to provide access to channel control capabilities of your TV (e.g., Digits 0-9, Up/Down, Enter, and Last) and Video On Demand (VOD) features of your cable converter.

*NOTE: Video On Demand is not available on all cable converters. To check for compatibility, please refer to the owner's manual that came with your cable converter. When activated the VCR transport keys will serve as Video On Demand keys.*



### To Activate TV's Channel Control Capabilities:

1.  On the Millennium 3, press SHIFT once.
2.  Press TV once. The LED will blink twice.



### To Reset Channel Control To Cable Converter:

1.  On the Millennium 3, press SHIFT once.
2. Press any key once, excluding TV.

### To Activate Cable's Video On Demand (Using The VCR Transport Keys):

1.  On the Millennium 3, press SHIFT once.
2.  Press PLAY once. The LED will blink twice.




### To Reset VCR Transport Keys for VCR Use:

1.  On the Millennium 3, press SHIFT once.
2.  Press and release CBL.


## SEARCHING FOR YOUR CODE

If your TV, VCR, or Cable Converter does not respond to the Millennium 3 after trying all of the codes listed for your brand, or if your brand is not listed at all, try searching for your code.

For example, to search for a code for your TV:

1. Turn on your TV.
2.  On the Millennium 3, press and hold SETUP until the LED blinks twice, then release SETUP.
3.  Enter 9 - 9 - 1. The LED will blink twice.
4.  Aim the remote control at the the TV and slowly alternate between pressing  $\triangle$  and TV. Stop when the TV turns off.




*NOTE: In the search mode, the Millennium 3 will send IR codes from its library to the selected component, starting with the most popular code first.*

5.  Press SETUP once to lock in the code.
6. To search for the codes of other components, repeat steps 1 through 5, but substitute the appropriate key (i.e., VCR or CBL) for the (VCR or Cable) component you are searching for.


## CHECKING THE CODES

If you have set up the Millennium 3 using the *Searching For Your Code* procedure, you may need to find out which four-digit code is operating your equipment:

For example, to find out which code is operating your TV:

1. Turn on your TV.
2.  On the Millennium 3, press and hold SETUP until the LED blinks twice, then release SETUP.
3.  Enter 9 - 9 - 0. The LED will blink twice.
4.  To view the code for the first digit, press 1 once. Wait 3 seconds and count the number of LED blinks (e.g., 3 blinks = 3) and write down the number in the leftmost TV Code box below.

*NOTE: If a code digit is "0", the LED will not blink.*

5.  Repeat step 4 three more times for remaining digits. Use 2 for the second digit, 3 for the third digit, and 4 for the fourth digit. Finish writing down the code in the TV Code boxes below.
6. To check for the codes of other components, repeat steps 1 through 5, but substitute the appropriate key (i.e., VCR or CBL) for the (VCR or Cable) component you are checking. Write down the codes in the appropriate boxes below.

TV Code




VCR Code

CABLE Code


## PROGRAMMING THE OPTION KEY FOR A SPECIFIC CHANNEL OR KEY SEQUENCE

The Millennium 3 includes one **OPTION** key that can be programmed to remember up to three of your favorite channel settings. Or you can set it to remember a sequence of key presses, such as "All On /All Off", so you can turn on/off your components with a single key press.

### To program **OPTION** to remember channels:








1.  On the Millennium 3, press and hold **SETUP** until the LED blinks twice, then release **SETUP**.
2.  Enter 9 - 9 - 5. The LED will blink twice.
3.  Press **OPTION** once.
4. Using the keypad, enter the channel number to be remembered (e.g., 3 - 9 for channel 39).

*NOTE: If you are programming a channel for a Digital Cable Converter, you need to enter all channels in a 3-digit channel format. For example, if the desired channel is 39, then enter it as 0 - 3 - 9.*

5.  Press and hold **SETUP** until the LED blinks twice, then release **SETUP**.
6. To add another channel, repeat steps 1-5, substituting the new channel to be added in step 3.





*NOTE: Programming more than three channels onto **OPTION** key will overwrite previous settings. To clear all channels in memory, perform "To Clear The Option Key" on the next page.*

### To program **OPTION** for all On/Off:

1.  On the Millennium 3, press and hold **SETUP** until the LED blinks twice, then release **SETUP**.
2.  Enter 9 - 9 - 5. The LED will blink twice.
3.  Press **OPTION** once.
4.  Press **CBL**.
5.  Press **TV**.
6.  Press **VCR**.
7.  Press and hold **SETUP** until the LED blinks twice, then release **SETUP**.



### To clear the OPTION key:

1.  On the Millennium 3, press and hold SETUP until the LED blinks twice, then release SETUP.
2.  Enter 9 - 9 - 5. The LED will blink twice.
3.  Press OPTION once.
4.  Press and hold SETUP until the LED blinks twice, then release SETUP.
5. The OPTION key is now clear and ready for reprogramming.

## TROUBLESHOOTING

**PROBLEM:** LED does not blink or blinks twice when you press a key.

**SOLUTION:** Replace the batteries with two (2) new AA alkaline batteries (see page 7).

**PROBLEM:** LED blinks when you press a key, but home entertainment component does not respond.

**SOLUTION:** Make sure you are aiming the Millennium 3 at your home entertainment component and that you are within 15 feet of the component you are trying to control.

**PROBLEM:** The Millennium 3 does not control home entertainment components or commands are not performing properly.

**SOLUTION:** Try all listed codes for the component brand being set up. Make sure all components can be operated with an infrared remote control.

**PROBLEM:** TV/VCR combo does not respond properly.

**SOLUTION:** Use the VCR codes for your brand. Some combo units may require both a TV code and a VCR code for full operation (see page 16).

**PROBLEM:** CH+ , CH- , and LAST do not work for your RCA TV.

**SOLUTION:** Due to RCA design (1983-1987), only the original remote control will operate these functions.

**PROBLEM:** Changing channels does not work properly.

**SOLUTION:** If original remote control required pressing ENTER to change channels, press ENTER on the Millennium 3 after entering a channel number.

**PROBLEM:** Tried "Search Method" and still could not find a working code.

**SOLUTION:** Try the "Search Method" again after clearing out the device key as follows: Press and hold ENTER until red light blinks twice, then release. Next enter 9 - 9 - 2. Then press and release the device key to be cleared twice.

**PROBLEM:** Remote control does not turn on Sony or Sharp TV/VCR Combo.

**SOLUTION:** For power on, these products require programming TV codes on the Millennium 3. For Sony, use TV code 0000 and VCR code 0032. For Sharp, use TV code 0093 and VCR code 0048.

## ADDITIONAL INFORMATION

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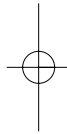
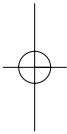
The Millennium 3 does not have any user-serviceable parts. Opening the case, except for the battery cover, may cause permanent damage to your Millennium 3.

For help via the Internet, visit us at:

[cable.rcinfo.com](http://cable.rcinfo.com)  
(do not type in *http://* or *www* before the address)

For help via e-mail, contact us at:

[CableHelp@ueic.com](mailto:CableHelp@ueic.com)



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