



RC1534849/01B

Please refer to the code list (on separate sheet) for a list of supported brands and models. If you do not find the brand of your device on the supported code list, please refer to section B for the search function or you may use section C for instructions on the learning feature of your remote control.

If you have an integrated or combo unit such as a TV/DVD, each component of the unit may need to be setup separately by setting up both the TV and DVD mode keys.

**NOTE:** The DVD and AUX mode keys can be setup with any code. The TV mode key can only be setup with TV codes.

#### A. Manual Programming

Use the following steps to setup the TV, DVD or AUX mode keys:

1. Power on the device you want to program and locate the 4-digit code from the code list.
2. Press and hold the mode key (TV, DVD, or AUX) and while holding it pressed, press the OK key for one second.
3. Release both keys, all of the mode keys will flash then the selected mode key light will stay lit.
4. Enter the 4-digit code by pressing the numerical keys (0-9). The selected mode key light will blink for each digit entry and will remain off after the entry of the fourth digit - indicating a successful setup.
5. Point the remote control at the selected device and press the power key once. The device should turn off. If the device stayed on, repeat the steps 2 thru 5 trying each code for your brand until you find the correct code.

Repeat the steps on the previous page to setup another device. To use the remote control for your Set Top Box, press the STB mode key.

**NOTE:** If an invalid code is entered or no key is pressed at all for 30 seconds, the mode key light flashes for 3 seconds and turns off. The remote control returns to normal operation and you will need to start over from step A2 to setup the device.

#### B. Using the Search Function

To search for a particular device code for DVD or AUX e.g. VCR, use the Manual Programming for section A and program DVD or AUX with any VCR code prior to starting a search.

1. Turn on the device you want to control and point the remote at that device.
2. Press and hold the mode key (TV, DVD, or AUX) and while holding it pressed, press the OK key for one second.
3. Release both keys, all of the mode keys will flash then the selected mode key light will stay lit.
4. Press the power button repetitively until the selected device turns off. Once your device has turned off, press OK to save the code.
5. To indicate a successful setup, the selected mode key will turn off and you are ready to setup another device by following steps 1 thru 4 of this section.

#### C. Volume Control Setup Options

The volume controls will control your Set Top Box until the TV device mode is programmed, e.g. if DVD mode is selected then volume controls your STB. If TV mode is programmed and DVD mode is selected, then volume controls your TV.

If you'd like the volume commands to operate from just one device, e.g. always TV, then follow the instructions in Section E-I. If you'd like the volume commands to be sent to different devices depending which mode you are in, then follow the instructions in Section E-II.

#### C-I. Volume Always Controls the Same Device

1. Press the TV key and while holding it pressed, press the OK key for 1 second.
2. Release both keys, all of the mode keys will flash followed by the TV mode key light remaining on.
3. Press and hold the MUTE key for 3 seconds until the TV mode key light briefly turns off then remains on. Press and release the mode key that you always want to operate the volume commands (STB, TV, DVD, and AUX). The selected mode key light will remain on.
4. Press and release the MUTE key to save the setting. The selected mode key light will turn off indicating a successful setup. The volume commands will be setup for the selected device despite what mode is selected. If the selected mode key light flashes for 3 seconds and turns off, then the selected mode will have no volume commands of its own and will need to start over from step 1 above and select a different mode to program the device.

#### E-II. Volume Control Depends on Device Selected

1. Press and hold the TV key and while holding it pressed, press the OK key for one second.
2. Release both keys, all of the mode keys will flash followed by the TV mode key light remaining on.
3. Press and hold the MUTE key for 3 seconds until the TV mode key light briefly turns off then stays on, then release the MUTE key.
4. Press and release the MUTE key to save the setting. The TV mode key light turns off indicating successful setup. The volume commands will now work for different devices.

**NOTE:** If a programmed mode key has no volume commands of its own, then the volume control will normally operate the TV. If an invalid key is pressed, the selected mode key light flashes for 3 seconds and turns off. The remote control returns to normal operation and you will need to start over.

If no key is pressed within 30 seconds, the remote control times out, the selected mode key light flashes for 3 seconds and turns off. The remote control returns to normal operation at which time you can start over.

#### D. Channel Control Setup Options

The channel controls (Channel Up/Down, 0-9 and LAST) will always work your Set Top Box. If you'd like the channel commands to be sent to different devices depending which mode you are in, then follow the instructions in Section F-I.

#### D-I. Channel Control Depends on Device Selected

1. Press and hold the TV key and while holding it pressed, press the OK key for one second.
2. Release both keys, all of the mode keys flash followed by the TV mode key light remaining on.
3. Press and hold the LAST key for 3 seconds until the TV mode key light briefly turns off then stays on, then release the LAST key.
4. Press and release the LAST key to save the setting. The TV mode key light turns off indicating successful setup. The channel commands will now work for different devices.

#### Battery Installation

1. On the back of the remote, push down on the tab and lift the cover off.
2. Match the batteries to the + and - marks inside the battery case, then insert 2 AA alkaline batteries.
3. Press the battery cover back into place.

#### Programming the remote to control other devices

The remote control will only control the device which is selected by the appropriate mode key (STB, TV, DVD, and AUX). The mode key light for the selected device flashes each time a valid key is pressed. In order to control other devices with your MXv3 Remote Control, you need to tell the remote control what types of devices you have. Sections A and B take you through the steps needed to do this. The volume controls will control your Set Top Box (STB) until the TV device mode is setup. The channel controls will always control your STB. If you want to change this, you should follow the steps in Sections E & F.

To use your Remote Control for your other devices, you will need to setup the TV, DVD and AUX mode keys to control the devices (Section A).

## D-II. Channel Always Controls your Set Top Box (Factory Default)

1. Press and hold the TV key and while holding it pressed, press the OK key for 1 second.
2. Release both keys, all of the mode keys will flash followed by the TV mode key light remaining on.
3. Press and hold the LAST key for 3 seconds until the TV mode key light briefly turns off then remains on.
4. Press and release the STB mode key. The selected mode key light remains on.
5. Press and release the LAST key to save the setting.

The STB mode key light will turn off indicating a successful initial setup. The channel commands will be setup for your Set Top Box regardless of what mode is selected. If the selected mode key light flashes for 3 seconds and turns off, then you will need to start over from step 1.

## E. Mode Deactivation

If you'd like to deactivate a device mode, then follow the instructions below:

1. Press and hold the mode key to be deactivated (TV, DVD, or AUX) and while holding it pressed, press the OK key for one second.
2. Release both keys, all of the mode keys will flash and then the selected mode key light will remain on.
3. Enter the 4-digit code 1754 by pressing the numerical keys (0-9). The selected mode key light will blink for each digit entry and will remain off after the entry of the fourth digit - indicating the mode is deactivated.

Note the STB mode cannot be deactivated.

## F. Multiple Device Power Control Setup Options

After pressing the STB key, pressing the Power key turns the Set Top Box on or off, AND turns on or off the TV if it has been setup. If you want the Power key to turn on other devices at the same time you can enable these as follows:

1. Press and hold the STB key and while holding it pressed, press the OK key for 1 second. Then release both keys. You are now in setup mode.
2. Press and release the mode key (TV, DVD or AUX) you want to enable.
3. Press and release the 1 key. The selected mode is now enabled. If no mode key is pressed instead 2 ALL modes (TV, DVD and AUX) will be enabled.

To remove a mode from the Power key:

1. Press and hold the STB key and while holding it pressed, press the OK key for 1 second. Then release both keys. You are now in setup mode.
2. Press and release the mode key (TV, DVD or AUX) you want to disable.
3. Press and release the 0 key. The selected mode is now disabled. If no mode key is pressed in step 2, ALL modes (TV, DVD and AUX) will be disabled.

Note you can turn individual devices on/off by pressing the desired Mode key followed by the Power key. It is important to point your remote control directly towards the devices for this feature to operate correctly.

## G. Backlight Cancellation Feature

Your Remote Control has the ability to toggle between turning the backlights on or off. If you wish to use this feature, follow these instructions.

1. Press and hold the TV key and while holding it pressed, press the OK key for one second and release both keys at the same time.
2. All the mode keys flash and the TV mode key light stays on.
3. Press the GUIDE key, all backlights will no longer turn on.

To reverse this process so that the backlights turn on when the remote control is being used, simply follow the same steps of the above section one more time.

## H. Resetting the Remote Control to the Factory Default Settings

1. Press and hold the TV key and while holding it pressed, press the OK key for one second and release both keys at the same time.
2. All the mode keys will flash, the TV mode key light will stay on.
3. Press and hold the DELETE key for 3 seconds until the TV mode key blinks and stays off. The remote control is now reset to factory default settings. If you want to use the remote control for your TV and other devices, you will need to setup the TV, DVD and AUX mode keys.
4. If no key is pressed within 30 seconds, the remote control times out. The selected mode key light flashes for 3 seconds and turns off. The remote control returns to normal operation and you will need to start over.

## I. Troubleshooting Learning

You can only learn one device type under any one mode key. For example, only learn TV codes under the TV mode, DVD codes under the DVD mode, etc. If you are trying to learn from a "Universal" remote, it might have more than one code type stored under a mode.

- a. No functions may be stored under the LEARN key, or in the STB mode.
- b. Depending on the remote you are trying to learn, some keys may not be learnable.
- c. Only one original device type can be learned per individual mode.
- d. Use fresh batteries for your original remote, and your Remote Control.
- e. Keep at least three feet away from incandescent or low-energy lights when learning.
- f. Before learning, clear all learned commands (refer to Section D-II) then try learning 2 or 3 commands initially.
- g. Point your original remote at the bottom end of your Remote Control so the IR elements on both remotes are directly in line with each other (see diagram to the left). You may need to adjust the height of either remote to achieve this.
- h. Avoid learning your original remote's Volume/Mute keys unless you are sure these operate the same device.
- i. Avoid learning your original remote's VCR or DVD transport keys unless you are sure these operate the same device.
- j. If learning the first or second keys for a mode results in continuous errors then try the following:
  - i. End the learn session by pressing the LEARN key.
  - ii. Clear out the learned commands for that mode.
  - iii. Check the IR elements are correctly aligned between the two remotes.
  - iv. Adjust the distance between the two remotes to be closer (e.g. half an inch) or further away (e.g. 2 inches) from each other.
  - v. Try learning the original remote for that mode again. If problems reoccur with the same key check the original remote key being learned? does it transmit? Does it operate the target device? Try learning that key under a different clear mode. If it learns OK then it is likely to be a different code type from the others and cannot be learned under the same mode.

# TV including LCD, Plasma, and Panel

Save Code list for future use. Refer to the setup procedure below and look up the 4 digit code for your brand of TV, DVD, etc., from the list below. Refer to your REMOTE User's Manual for more information.

ABEX	.....0185
ACER	.....1163
ACME	.....0016
ADA	.....0006
ADC	.....0001 0010
ADMIRAL	.....0135 0020 0226 0001
ADVENT	....1171 0116 0167 0176 0922
ADVENTURA	.....0174
AIKO	.....0058
AIWA	.....0195 0196 0227 0269
AKAI	.....0105 0002 0077 1137 .....1138 1105 1113 1139
ALLERON	.....0051
AMARK	.....0020
AMTRON	.....0053
ANAM NATIONAL	.....0053 0003
AOC	.....0025 0042 0193
AOC	.....0004 0005 0009 1009
APEX	.....0014 0156 0175 0187
ARCHER	.....0214 0216 0215 1132 0401
ASPECT	.....0020
AUDIOVOX	.....1164 1165
AXION	.....0053 1019 1117
BANG & OLUFSEN	.....0177
BELCOR	.....0190
BELL & HOWELL	.....0004
BENQ	.....0031 0049 .....0000 0001
BENQ	.....0081 0083 0101 1150
BLUESKY	.....0025 0011 1150
BRADFORD	.....1155 0144
BROKSONIC	.....0053 .....0147 0135
BROKWOOD	.....0310 0394 0932
CANDLE	.....0004 0009 0174 0008
CAPEHART	.....0175
CCE	.....1153
CELEBRITY	.....0002
CELERA	.....0214
CENTRIOS	.....0169
CENTURION	.....0009
CETRONIC	.....0042
CHANGHONG	.....0214 0401
CINERAL	.....0058 0144
CITIZEN	.....0004 0009 0053 0105 0109 .....0189 0135 0001 0008 0042 0058
CLAIRTONE	.....0014
CLASSIC	.....0214 0401 0042
COBY	.....1091 1124
COLOR VOICE	.....0010
COLORTYME	.....0004 0009 0010
CONCERTO	.....0004 0009
CONCIERGE	.....0121
CONTEC	.....0053 0012 0014 0042
CORNEA	.....0050
CRAIG	.....0053 0042
CROSLEY	.....0062
CROWN	.....0053 0042
CTX	.....0020

CURTIS MATHES	.....0031 0105 0130 .....0004 0009 0000 0049 .....0109 0358 0001 0015 .....0053 0042
CXC	.....0053 0042
CYBERVISION	.....0144
DAEWOO	....0130 0004 0009 0100 0005 .....0138 0043 0140 0039 0444 0080 0042 .....0058 0017 0010 0126 0018 0127 0019
DAYTRON	.....0004 0009
DELL	.....0209 0028 0132
DIAMOND VISION	.....0210 0948
DIGIMATE	.....0092 0896
DIGIMATE	.....1017
DIGISTAR	.....1019 0165 0118 0116
DUMONT	.....0167 0132 1020 1151 1152
DURABRAND	.....0031 0000 .....0158 0135
DURABRAND	.....0059 0072
DURABRAND	.....0121 0004
DURABRAND	.....0133 0189 0135 .....0153 0217 0157 1135
DYNASTY	.....0042
DYNEX	.....1181 1171 0135
ELECTROBAND	.....0002 0014
ELECTROHOME	.....0004 0009
ELEKTRA	.....0003 0022
ELEKTRA	.....0001
ELEMENT	.....1025 1173
ELITE VIDEO	.....0197
EMERSON	.....1172 0004 0009 0044 .....0135 0049 0051 0189 0053 0147 .....0039 0130 0210 0227 0233 0265 .....0266 0310 0325 0456 0040 0042 .....0042 0021 0023 0024 0179 0045 .....0025 0027 0030 0032 0034 0035 0037
ENVISION	.....1179 0004 0009 0074 1009
ESA	.....0189
FISHER	.....0049 0110 0268 0180 0012
FLUID	.....1025 1026 1027
FUJITSU	.....1178 0197 0051 1006
FUNAI	.....0051 0189 0053 .....0227 0456 0042
FUTURETEC	.....0053 0042
GATEWAY	.....0046
GE	.....0031 0107 0164 0004 .....0009 0044 0054 0000 0342 .....0003 0125 0015 0022 0052 0087
GIBRALTER	.....0121 0004
GOLDSTAR	.....0004 0009 0005 0227 .....0338 0012 0057 0080 0156 .....0944
GPX	.....0944
GRADIENTE	.....1013 0004
GRUNDY	.....0153 1160 1159
GUESTVISION	.....0051 0053
GVISION	.....0201
HAIER	.....1005
HAIER	.....0081 0216 0217 .....0157 1147 0935
HALLMARK	.....0004 0009
HARVARD	.....0053
HAPPAULGE	.....1198
HEWLETT PACKARD	.....1015 1004
HISENSE	....1176 0073 0182 0216 1016
HITACHI	.....0088 0059 0142 0060 .....0072 0004 0009 0091 1002 0001 .....0012 0061 0137 0139 0141 0179 0227

HYUNDAI	.....1134
ILO	.....0198 1070 1024 1023 .....0146 0189 1139 1113
IMA	.....0053
IN FOCUS	.....0000
INFINITY	.....0062 0288
INITIAL	.....1070 0146 1085 1109
INSIGNIA	.....1181 1180 1175 1171 .....0103 0189 0217 0135 0133 0116 0167 .....1148 0456 0029 0905 1406 1407 1408
INTEGRA	.....0181
INTEQ	.....0121
JANEIL	.....0174
JBL	.....0062
JC PENNEY	.....0031 0004 0005 0009 .....0105 0107 0109 0054 0000 0087 .....0008 0012 0015 0022 0030 0052
JCB	.....0002
JENSEN	.....0004 0009 0133
JVC	.....0060 0026 0197 0069 0100 .....0247 0923 0012 0065 0067 0141
KAWASAKI	.....0945
KAWASAKI	.....0004 0009 0002
KAYPANI	.....0175
KEC	.....0042 0053
KENWOOD	.....0004 0009
KLH	.....0014
KLOSS NOVABEAM	.....0068 0174
KOGI	.....1005
KONKA	.....0053 0011 0016 0047 .....0066 0103 0412 0413 0029
KTV	.....0053 0014 0021 0042 0070
KURAZAI	.....0001
LASONIC	.....0210 0948
LEGEND	.....0116
LG	....0134 0004 0050 0009 0005 0155 .....0132 0227 0338 0012 0057 0080 0156 .....0003 0008 0068 0075 0086 0087 0141
LIQUIDVIDEO	.....0177 0168
LODGENET	.....1170 0031
LOEWE	.....0202 0000 0001
LOGIK	.....0031 0000 0001
LUCE	.....0055
LUXMAN	.....0004 0009
LXI	.....0031 0004 0009 0049 0062 .....0107 0109 0000 0227 0015
MAGNASONIC	.....0051
MAGNAVOX	.....1174 0062 0004 0009 .....0183 1133 0226 0288 .....0456 0008 0068 0075 0141
MAJESTIC	.....0031 0000 0001
MARANTZ	.....0062 0181 0004 0009
MAXENT	.....0046
MEDION	.....0213 0198 0158
MEGATRON	.....0004 0009 0059
MEI	.....0014
MEMOREX	.....1025 0004 0009 0049 .....0051 0135 0031 0000 .....1007 0268 0310 0001 0394
MGA	.....0004 0005 0009 0051
MIDA	.....0012 0022 0141 0180
MIDLAND	.....0031 0121 0054 0107 0015
MINTEK	.....0146
MINUTZ	.....0088 0059 0142 0060 .....0072 0004 0009 0091 1002 0001 .....0012 0061 0137 0139 0141 0179 0227
MISAKAI	.....0189

MONIVISION	.....0036
MONTGOMERY WARD	.....0031 .....0001 0000
MOTEA	.....0049 1013
MOTOROLA	.....0020 0003
MTC	.....0004 0005 0009 0105 0109 0014 .....0053 0170 0009 0000
MULTITECH	.....0053 0170 0009 0000
MULTIVISION	.....0084
MYRON & DAVIS	.....0212
NAD	.....0004 0009 0109 0185
NEC	.....1384 0181 0004 0005 .....0009 0003 0001 0005 0141
NET TV	.....0046 0124
NEXXTech	.....1052 0167
NIKEI	.....0042
NIKKO	.....0004 0009 0058
NIKO	.....1143
NORCENT	.....0216 0043 0056
NTC	.....0058
OLEVIA	.....1027 1012 1140 1142 1156
ONCOMMAND	.....0201 1161
ONKING	.....0042
ONWA	.....0053 0042
OPTIMUS	.....0170 0185 0374 0381
OPTOMA	.....1028
OPTONICA	.....0020 0095
ORION	.....0121 0135 0035 .....1182 0171 0148 0054
PANASONIC	.....1182 0171 0148 0054 .....0170 0062 0374 0381 .....0437 0950 0003 0070
PHILCO	.....0062 0004 0005 0009 0183 .....0011 1158 0068 0075 0141 0003 0088 .....0154 1184 0062 0204 0114 .....0208 0205 0206 0207 0004 0189 0183 .....0199 0200 0081 1149 1154 0288 0456 .....0003 0008 0068 0075 0086 0087 0141
PHILIPS	.....0154 1184 0062 0204 0114 .....0208 0205 0206 0207 0004 0189 0183 .....0199 0200 0081 1149 1154 0288 0456 .....0003 0008 0068 0075 0086 0087 0141
PHILIPS-MAGNAVOX	.....0062 0204 .....0207 0183 0226 0288
PILOT	.....0004
PIONEER	.....0185 0181 0072 .....0004 0009 0090 0179
PIVA	.....1075
PLANAR	.....1007
POLAROID	.....1177 1169 1162 .....1025 0214 0182 0173 .....0133 1019 1136 0116 0029
PORTLAND	.....0004 0005 .....0009 0138 0130
PRECISION	.....0166
PRICE CLUB	.....0105
PRIMA	.....1019 0165 0116 0167 0176
PRINCETON GRAPHICS	.....0020 0099
PRISM	.....0054
PROSCAN	.....0031 0107 0015 .....0000 0162 0163
PROTON	.....0192 0004 0009 .....1010 0093 0175 0186
PROTRON	.....1017 1157
PROVIEW	.....1025 1026 1027
PULSAR	.....0121 0004
QUASAR	.....0171 0148 0054 0170 .....0062 0374 0381 0003 0070

RADIO SHACK	.....0031 0004 0048 0049 .....0053 0170 0009 0227 0342 .....0000 0012 0041 0042 0095
RCA	....0031 0004 0048 0054 0094 0100 .....0102 0107 0129 0191 0005 0009 0000 .....0162 0163 0342 0003 0015 0022 0096 .....0113 0125 0179 0187 0188
REALISTIC	.....0031 0004 0048 0049 .....0053 0170 0009 0000 .....0227 0012 0041 0042 0095
RHAPSODY	.....0014
RUNCO	.....0121 0181 0111
SAMPO	.....0124 0046 0004 .....0009 0175 0012
SAMSUNG	.....0105 0077 0076 0109 .....0007 0009 0004 0005 0085 0172 .....0942 0358 0012 0015 0080 0104 0106
SAMSUX	.....0009
SAMTRON	.....0105
SANSUI	.....0216 0043 0094
SANTECA	.....0194
SANYO	.....0049 0097 0110 0004 .....0268 0012 0108 0180
SCEPTRE	.....1167 1132 0149
SCOTCH	.....0004 0009
SCOTT	.....1139 0004 0009 0051 .....0053 0024 0035 0042
SEARS	.....0031 006 0049 0051 0105 .....0004 0009 0107 0109 0110 0189 0000 .....0112 0079 0394 0456 0012 0015 0180
SELECTRON	.....1022 1020 1021
SEMP	.....1001
SHARP	.....0079 0123 0063 0020 0004 .....0009 0226 0266 0006 0095 0122 .....0226 0227 0247 0266 0288 0310 .....0338 0358 0023 0039 0001 0058
SHOGUN	.....0004
SIGNATURE	.....0031 0000 0001 0023
SIMPSON	.....0008
SONIC	.....0014
SONY	.....0128 0013 0002 .....0071 0380 0152
SOUNDESIGN	.....0004 0009 0051
SOVA	.....0053 0008 0042
SOYO	.....1003 1095
SOYO	.....1130 1131
SPECTRA	.....0210
SPECTRAVISION	.....0203
SQUAREVIEW	.....0189
SSS	.....0004 0053 0042
STAR SIGHT	.....0064
STARLITE	.....0053
STARSCAN	.....0112 0079 0456
SUPERSONIC	.....0944
SUPRA	.....0004 0082
SUPREMACY	.....0174
SUPREME	.....0002
SVA	.....0216 0212
SYLVANIA	.....0062 0004 0009 0135 .....0189 0183 1141 0227 0456 .....0008 0068 0075 0141 0161
SYMPHONIC	.....0053 0189
SYNTAX	.....1027 1140 1142
TANDY	.....0020
TATUNG	.....0081 0198 0003
TECHNICS	.....0054
TECHWOOD	.....0004 0009 0054

TEKNIKA	.....0031 0004 0005 0009 .....0051 0053 0105 0109 0170 .....0000 0174 0001 0008 0012 0042
TELECAPTION	.....0117
TELERENT	.....0031 0000 0001
TERA	.....0004 0186
TEVION	.....0198
TMK	.....0004 0009
TOSHIBA	....0159 0178 0109 0120 0181 .....0105 0049 0095 0170 0260 0358 .....0394 0924 0012 0095 0117 0141
TRUTECH	.....1029 1145 1121
UNIVERSAL	.....0052 0087
UNIRURER	.....1183
VICTOR	.....0060
VIDEOCON	.....1166
VIDEOTECH	.....0004 0005 0009
VIEWSONIC	.....1179 0046 .....0072 1014 1144
VIKING	.....0174
VIORE	.....1018
VIZIO	.....1000 0143 1222 1168 0112 .....1322 1189 1169 0081 0050
WARDS	.....0031 0062 0004 0005 .....0009 0051 0000 0068 0075 0087 .....0095 0119 0052 0001 0008 0024
WESTINGHOUSE	.....0002 0143 .....0114 1146
WHITE WESTINGHOUSE	.....0100 0130 .....0138 0136 1008 0227 0080
YAMAHA	.....0170 0004 0005 0009
ZENITH	.....0121 0009 0050 0078 0091 .....0138 0059 0131 0038 0111 .....0134 0153 0064 0004 0135 .....0226 0227 0247 0266 0288 0310 .....0338 0358 0023 0039 0001 0058

## VCR

ACCELE	.....0354
ADMIRAL	.....0226
ADVENTURA	.....0251
AIKO	.....0252
AIWA	.....0245 0227 0269 0251
AKAI	.....0227 0229 0228 0230 .....0231 0254 0303 0337
ALLEGRO	.....0247 0329 0243 0245 0405
AMERICAN HIGH	.....0292
APEX	.....0949
ASHA	.....0354
AUDIO DYNAMICS	....0376 0377 0234
AUDIOVOX	.....0245
BEAUMARK	.....0354
BELL & HOWELL	.....0268
BROKSONIC	.....0256 0250 0257 0310 .....0394 0967 0237 0289
CALIX	.....0245
CANDLE	.....0240 0245 0354 .....0234 0242 0244
CANON	.....0225 0339 0292
CAPEHART	.....0329
CARVER	.....0287
CCE	.....0252 0356
CINEVISION	.....0245 0405
CITIZEN	.....0240 0245 0252 .....0354 0234 0242 0244

COLORTYME	.....0234
COLT	.....0356
CRAIG	.....0245 0354 0356 0248
CURTIS MATHES	.....0225 0287 0227 .....0334 0354 0358 0234 0249 0292
CYBERNEX	.....0354
DAEWOO	.....0279 0240 0250 0252 .....0334 0242 0244 0251 0971
DBX	.....0376 0377 0234
DENON	.....0305
DIAMOND VISION	.....0896
DIMENSIA	.....0225
DURABRAND	.....0245 0405
DYNATECH	.....0227 0251
ELECTROHOME	.....0245 0254
ELECTROPHONIC	.....0245
EMERSON	.....0250 0245 0252 0256 .....0257 0290 0310 0325 0354 0240 0233 .....0227 0265 0266 0268 0269 0458 0456 .....0231 0237 0249 0251 0254 0259 0262 .....0263 0270 0289

## CD, cont.

TEAC	.....0676 0689 0699
TECHNICS	.....0709 0710 0711 0856
THETA DIGITAL	.....0716 0733 0820 0862
TOSHIBA	.....0721
VICTOR	.....0682
YAMAHA	.....0665 0712 0713 0724 0846
ZENITH	.....0676 0730 0759 0784 0850

## Audio

AIWA	.....0839 0842 0851 0860
APEX	.....0436
APPLE IPOD	.....0885
BOSE	.....0672 0774 0775
CARVER	.....0825
CENTRIOS	.....0762 0763
.....	.....0764 1055 0854
CITIZEN	.....0826
CRITERION	.....0448
DELPHI	.....0708
DENON	.....0803 0817 0852
DURABRAND	.....0776
FISHER	.....0814 0821
GOLDSTAR	.....0766
HARMAN KARDON	.....0804 0818
INSIGNIA	.....1066
iPOD	.....0884
JVC	.....0790 0813 0819
KENWOOD	.....0881 0683 0808
.....	.....0816 0828 0832 0869
KODA	.....0763
KOSS	.....0415
MAGNAVOX	.....0796 0814 0915 0756
MARANTZ	.....0688 0824
MITSUBISHI	.....0877
NAD	.....0721 0739 0743
NELSON	.....0854
NEO	.....0725
NEXSTECH	.....1066 1055 0780 0782
.....	.....0788 0789 0829 0854 0861
NORCENT	.....0928
ONKYO	.....0805 0811 0812 0975
OPTIMUS	.....0667 0747 0748 0749
.....	.....0751 0752 0754 0793
PANASONIC	.....0791 0810 0815 0823
.....	.....0863 0864 0974 0950
PHILIPS	.....0755 0814 0823
.....	.....0824 0825 0756 0757
PIONEER	.....0754 0752 0751 0880
.....	.....0837 0866 0867 0878 0976
RADIO SHACK	.....0706 0754 0793 0806
.....	.....0865 0866 0867 0868 0875 0878 0879
RCA	.....0717 0726 0772 0781 0795
.....	.....0827 0845 0866 0867 0870 0871
.....	.....0872 0875 0878 0879 0449 0920
REALISTIC	.....0822
REGENT	.....0776
RIO	.....0405 0787
SABA	.....0919
SAMSUNG	.....0454
SANYO	.....0705
SCOTT	.....0768
SHARP	.....0671 0684 0809
SHERWOOD	.....0706 0806 0858 0859

SIRIUS	.....0746 0684
SKYFI	.....0725
SONY	.....0753 0323 0778 0779
.....	.....0785 0797 0798 0799 0833
.....	.....0834 0835 0836 0843 0986
TAO	.....0725
TEAC	.....0710 0807 0855 0856 0857
TECHNICS	.....0791 0810 0815
.....	.....0823 0863 0864
TEVION	.....0448
VENTURER	.....0745
VIZIO	.....0660 0883
WONDER	.....0762
XM RADIO	.....0708 0725
YAMAHA	.....0801 0802 0838 0840 0841
.....	.....0846 0847 0848 0849 0767
ZENITH	.....0676 0730 0749 0759 0765
.....	.....0766 0784 0814 0787 0850 0405

## Cable

ABC	.....0461 0463 0464 0465 0466
ADELPHIA	.....0512 0511
ALLEGRO	.....0524 0525
AMERICAST	.....0527
ANTRONIX	.....0468 0469
ARCHER	.....0468 0469 0470 0471
AT&T	.....1753 0511
BELL	.....1755
BELL SOUTH	.....0527
CABLETENNA	.....0468
CABLEVIEW	.....0468
CABLEVISION	.....0512
CENTURY	.....0471
CHARTER	.....0512 0529
CITIZEN	.....0471
CLARIMAX	.....0462
COGECO	.....0511
COLOR VOICE	.....0472 0473
COMCAST	.....0533 0543 0511
TOSHIBA	.....0486
TV86	.....0487
UNIKA	.....0468 0469 0471
UNITED CABLE	.....0461
UNIVERSAL	.....0468 0469 0470
.....	.....0471 0502 0524
VERIZON	.....0512 0529
VIDEO TECH	.....0550
VIDEOTRON	.....0512
VIDEOWAY	.....0504
VIEWSTAR	.....0475 0485 0487 0500
VISIONETICS	.....1046
GENERAL INSTRUMENT (GI)	.....0509
.....	.....0461 0465 0511 0513 0518
.....	.....0530 0531 0514 0464 0463
GOLDSTAR	.....0494
HAMLIN	.....0461 0480 0481 0482
HITACHI	.....0463
ILLICO	.....0512
JASCO	.....0471
JERROLD	.....0509 0461 0465 0518
.....	.....0464 0511 0463 0526
MAGNAVOX	.....0485
MEMOREX	.....0486
MOTOROLA	.....0533 0545 0529 1754
.....	.....0509 0465 0513 0518 0530
.....	.....0531 0464 0511 0526 0463
MOVIE TIME	.....0487

NOVAPLEX	.....0528
NOWTV	.....1045
NSC	.....0487
OAK	.....0476 0489
PACE	.....0532
PANASONIC	.....0460 0508
PARAGON	.....0486
PHILIPS	.....0471 0479 0485
.....	.....0490 0491 0492
PHILIPS-MAGNAVOX	.....0505 0534
PIONEER	.....0494 0478 0506 0493
PULSAR	.....0486
QUASAR	.....0486
RADIO SHACK	.....0517 0505 0534 0525
RCA	.....0460 0471 0507
RCN	.....0529
REALISTIC	.....0469
REGAL	.....0482
REGENCY	.....0477
REMBRANDT	.....0463
ROGERS	.....0512
RUNCO	.....0486
SAMSUNG	.....0494 0474
SCIENTIFIC ATLANTA	.....0512 0498
.....	.....0497 0506 0535 0466 0496
SHAW	.....0511
SIGNAL	.....0474
SIGNATURE	.....0463
SL MARX	.....0474
SPRUCER	.....0460
STANDARD	.....0499
STAR SIGHT	.....0507
STAR TRAK	.....0516
STARCOM	.....0461 0518
STARGATE	.....0474
TANDY	.....0500
TELEVIEW	.....0474
TELESCAN	.....0499
TIME WARNER	.....0529 0512 0506
TOCOM	.....0464 0501 0513
TOSHIBA	.....0486
UNIVERSAL	.....0468 0469 0470
.....	.....0471 0502 0524
VERIZON	.....0512 0529
VIDEO TECH	.....0550
VIDEOTRON	.....0512
VIDEOWAY	.....0504
VIEWSTAR	.....0475 0485 0487 0500
VISIONETICS	.....1046
GENERAL INSTRUMENT (GI)	.....0509
.....	.....0461 0465 0511 0513 0518
.....	.....0530 0531 0514 0464 0463
GOLDSTAR	.....0494
HAMLIN	.....0461 0480 0481 0482
HITACHI	.....0463
ILLICO	.....0512
JASCO	.....0471
JERROLD	.....0509 0461 0465 0518
.....	.....0464 0511 0463 0526
MAGNAVOX	.....0485
MEMOREX	.....0486
MOTOROLA	.....0533 0545 0529 1754
.....	.....0509 0465 0513 0518 0530
.....	.....0531 0464 0511 0526 0463
MOVIE TIME	.....0487

## SATELLITE

(Including Set-Top Boxes WebTV, DTV).  
Use codes (A) (B) (C) if you have 2 or more of the same device.

ADTH	.....1033
AMPLICA	.....0575
BELL	.....0655 0628
BELL EXPRESSVU	.....0654 0647
.....	.....0655 0628

CENTURY	.....0547
CHANNEL MASTER	.....0577 0578 0579
CHAPPARAL	.....0560 0561
CHEYENNE	.....0561
COOLSAT	.....1036 0546
DIGIWAY	.....1034
DIRECTV	.....1049 1766 1767 1768 0622
.....	.....0632 0629 0623 0576 0586 0616 0613
.....	.....0630 0634 0636 0638 0641 0652 0653
.....	.....0657 0659 0607 0619 0537 0538 0539
DISH NETWORK	.....0628 0655 (A)
.....	.....0647 (B) 0612 0654 0588 0589 0590
DISHPRO	.....0588 0589 0590 0654
DRAKE	.....0562 0574 0587
DREAMBOX	.....0620
DX ANTENNA	.....0568 0582
ECHOSPHERE	.....0628
ECHOSTAR	.....0628 0655 (A) 0647 (B)
.....	.....0612 0654 0588 0589 0590
EXPRESSVU	.....0654 0647 0655 0628
FORTEC STAR	.....0569 0555 0556
.....	.....0557 0558 0559
FUJITSU	.....0591 0592
GE	.....11769 1032 0636 0649 0637
.....	.....0622 0653 0650 0651 0652
GEMINI	.....0595
GENERAL INSTRUMENT (GI)	.....0627 (A) 0642 (B) 0643 (C) 0644 (D)
.....	.....0648 0640 0645 0564 0565 0566 0593
GLOBECAST	.....0553 1047
GO VIDEO	.....0610
HITACHI	.....0638 0629 0630
.....	.....0632 (A) 0638 (B) 0629 (C) 0630 (D)
JVC	.....0628 0612
KENWOOD	.....0588
LG	.....0607 0632 0641
LUXOR	.....0599
MACOM	.....0600
MAGNAVOX	.....0576 0612 0639
MICROYAL	.....1763
MITSUBISHI	.....0641 0632 0638
.....	.....0629 0630 0607
MOTOROLA	.....0640 0646 0648 0618
NEOSAT	.....1761
NET	.....0548 0606
NORSTAT	.....0601
NOVAPLEX	.....0535
ORION	.....1762
PACE	.....0614 0615 0646
PANASONIC	.....0626 0586 0596
PANSAT	.....1035 0584 1048
PHILIPS	.....0541 0576 0612 0621 0629
.....	.....0630 0632 0638 0641 0639 0607 0605
PHILIPS-MAGNAVOX	.....0576
.....	.....0612 0639
PIONEER	.....0604
PRIMESTAR	.....0627 0640
PROSAT	.....0563
PROSCAN	.....1032 0636 0637
.....	.....0650 0653 0651 0652
RCA	.....1032 0636 0649 0637 0622
.....	.....0658 0653 0650 0651 0652 0098
REALISTIC	.....0603 0567
SAMSONIC	.....1764

SAMSUNG	.....0594 0583 0613
.....	.....0616 0619 0540
SHARP	.....0600
SIERRA I II III	.....0561
SKY NETWORK	.....0542 0541 0614
.....	.....0615 0646 0537 0538 0539
SONY	.....0623 0657 0659 0585 0602
STAR SIGHT	.....0633
STAR TRAK	.....0608
STARCHOICE	.....0640 0645 0627
STS	.....0568 0570 0571
SUPER GUIDE	.....0609
SYLVANIA	.....0581
TELSAT	.....0547
THOMSON	.....0636 0541
TOSHIBA	.....0641 0632 0638 0629 0630
.....	.....0607 0572 0624 0625 0631
TVA	.....0551
ULTIMATE TV	.....0653 0659
UNIDEN	.....0633 0573 0611
UNITED	.....0597
VIDEO CIPHER II	.....0574
VIEWSAT	.....1037
VISIONTEC	.....0552
V-TECH	.....1039
WEB TV	.....0612 0585
ZENITH	.....0617 0634 0656 0595
.....	.....0646 0562 0574 0587 0635

## DVD/Blu-ray

ACESONIC	.....1119
ADVENT	.....0922
AFREEY	.....0417
AIWA	.....0414
AKAI	.....0395 0435 1105 1113
ALLEGRO	.....0245 0405
AMES	.....0431
AMW	.....0917 0918
ANABA	.....0961
APEX	.....0386 0390 0391 0392
.....	.....0424 0430 0436 0439 0445
.....	.....0457 0459 0938 0913 0401 0949
ASPIRE	.....0933
ASTAR	.....1093
A-TREND	.....0393
AUDIOVOX	.....1390 0921 1117
AXION	.....0921
B & K	.....0978
BLAUPUNKT	.....0430
BLUESKY	.....0415 0445 1125
BLU-RAY	.....1500 1411 1403 1399 1398
.....	.....1397 1396 1389 1129 0458 0405
BODYSONIC	.....0417
BOSE	.....0672
BOSS	.....0911
BOSTON ACOUSTIC	.....1098
BRITANIA	.....1395
BROKSONIC	.....0932 0967 0394
CAVS	.....1115
CENTRIOS	.....0951 1067 1068
.....	.....0921 1054 1055 1059 1060
.....	.....1061 1064 1065 1062 0449
CHANGHONG	.....0401
CINEVISION	.....0405
CITECH	.....1073
CITIZEN	.....1073

CLASSIC	.....0431 1051 0401
COBY	.....0926 0946 0947 0916 0445
.....	.....0928 0894 1091 1101 1111 1112 1124
CONCEPT	.....0430
CONIA	.....0445
CONTEL	.....1401
CRITERION	.....0448
CURTIS INTERNATIONAL	.....0929
.....	.....0928 0894
CYBERHOME	.....1053 0393 0985 0939
CYBERVISION	.....1391
CYTRON	.....0446 0388
DAEWOO	.....0440 0441 0444 0971 0965
DENON	.....1411 0400 0421
DENZEL	.....0428
DESAY	.....0958
DIAMOND VISION	.....0948 0892 0896
DIGIX	.....0934
DIGITREX	.....0445
DISNEY	.....0430
DRIVE	.....1094
DUAL	.....0447 0984 0956
.....	.....0428 0446 1092
DURABRAND	.....0449 0405 0446
NAD	.....1086 1087 1088 1089 1090
DVD 2000	.....0402
EIGERVISION	.....1116
ELTA	.....043 0435
EMERSON	.....0405 0940
.....	.....1056 1057 1063 1064 0449 0949
.....	.....0926 0982
ESCIENT	.....1412
FARENHEIT	.....0960
FISHER	.....0416
FUNAI	.....0456 0458 0899
GE	.....0409 0430
GOLDSTAR	.....0405
GO-VIDEO	.....0431 0937 0971 0455
.....	.....0902 0901 0407 0426 0455
GPX	.....0936 0944
GRADIENTE	.....0415 1393 1394
GREENHILL	.....0430
HAAZ	.....0451 0452
HAIER	.....0935
HARMAN KARDON	.....0427
HD-DVD	.....1403 1399 1398 1397
.....	.....1396 1129 1110 0405
HITACHI	.....0404 0407 0428 0419 0387
HITEKER	.....0445
HUMAX	.....0912
ILO	.....0959 1070 1113
INFINITY	.....0417
INITIAL	.....0430 1070 1085 1109
INSIGNIA	.....0458 1401 1070 1066
.....	.....0456 0921 0430 0905 0907
.....	.....0405 1406 1407 1408 1413
INTEGRA	.....0422
IRT	.....0894
JBL	.....0427
JVC	.....0398 0406 0408 0964
.....	.....0900 1072 0418 0923
JWIN	.....0390 0893 0895 1108
KAWASAKI	.....0945 0449
KENWOOD	.....0400 0429
KISS	.....0428
KLH	.....0430 0906 0386
KONKA	.....0410 0411 0412 0413 0905

KOSS	.....0415 0388
KXD	.....0894
LASONIC	.....1410 0451 0948
LENNOXX	.....0931 0435 1087 1088
LG	.....1404 1400 0405 0972 0907