



Motorola Advanced Series MXv3 Remote Control

Battery Installation

- On the back of the remote, push down on the tab and lift the cover off.
- Match the batteries to the + and - marks inside the battery case, then insert 2 AA alkaline batteries.
- 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 MXv3 Remote Control for your other devices, you will need to setup the TV, DVD and AUX mode keys to control the devices (Section A).

- Turn on the device you want to control and point the remote at that device.
- Press and hold the mode key (TV, DVD, or AUX) and while holding it pressed, press the OK key for one second.
- Release both keys, all of the mode keys will flash then the selected mode key light will stay lit.
- Press the power button repetitively until the selected device turns off. Once your device has turned off, press OK to save the code.
- 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.

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:

- Power on the device you want to program and locate the 4-digit code from the code list.
- Press and hold the mode key (TV, DVD, or AUX) and while holding it pressed, press the OK key for one second.

Note: Learning cannot be performed for any mode until after that mode is setup with a valid code. So, to learn the keys, first setup the mode with a valid code, see section A, (select any code for the appropriate mode, from the code list), then follow the steps below.

C. Learning

If the code for your device is not found in the code list and the search feature was not able to find the code for your device, then the learning feature may be your best option. The learning feature lets you "learn" functions from your original remote control.

Note: Learning cannot be performed for any mode until after that mode is setup with a valid code. So, to learn the keys, first setup the mode with a valid code, see section A, (select any code for the appropriate mode, from the code list), then follow the steps below.

C-I. Learning Commands

- Press and hold the mode key (TV, DVD, or AUX) on the MXv3 remote and while holding it pressed, press the LEARN key for one second then release both keys.

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.



- All of the mode keys will flash and then the selected mode key light remains on.
- On your MXv3 remote, press and release the key that you want to teach.
- While pointing your original remote at the bottom of your MXv3 remote, approximately 1 inch apart, press and hold the original remote key until the mode key light blinks once and stays on. (If there is a learning problem, the mode key light blinks for three seconds and stays on. If this happens, repeat steps 3 and 4 above.)
- Repeat steps 3 and 4 on previous page for each key you want your MXv3 Remote Control to learn.
- Press and release the LEARN key when all desired remote commands have been learned. If you have encountered difficulties with the LEARN key setup, please refer to Section K: Troubleshooting Learning.

All learned Commands in the remote are now cleared.

E. 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.

E-I. Volume Always Controls the Same Device

- Press the TV key and while holding it pressed, press the OK key for 1 second.

Release both keys, all of the mode keys will flash followed by the TV mode key light remaining on.

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.

Press and release the LAST key for 3 seconds until the TV mode key light briefly turns off then stays on, then release the LAST key.

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

Press and hold the TV key and while holding it pressed, press the OK key for one second.

Release both keys, all of the mode keys will flash followed by the TV mode key light remaining on.

Press and hold the LAST key for 3 seconds until the TV mode key light briefly turns off then remains on.

Press and release the STB mode key. The selected mode key light remains on.

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.

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.

F. 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-II.

G. Mode Deactivation

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

- 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.

Release both keys, all of the mode keys will flash and then the selected mode key light will remain on.

- 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.

H. 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:

- 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.

Press and release the mode key (TV, DVD or AUX) you want to enable.

- 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:

- 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.

Press and release the mode key (TV, DVD or AUX) you want to disable.

- 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 MXv3 remote directly towards the devices for this feature to operate correctly.

I. Backlight Cancellation Feature

Your MXv3 Remote Control has the ability to toggle between turning the backlights on or off. If you wish to use this feature, follow these instructions.

- 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.

- Release both keys, all of the mode keys will flash and the selected mode key light stays on.

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.

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.

J. Resetting the Remote Control to the Factory Default Settings

- 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.

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.

- Release both keys, all of the mode keys will flash and the selected mode key light stays on.

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.

- Release both keys, all of the mode keys will flash and the selected mode key light stays on.

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.

- Release both keys, all of the mode keys will flash and the selected mode key light stays on.

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.

- Release both keys, all of the mode keys will flash and the selected mode key light stays on.

c. Only one original device type can be learned per individual mode.

d. Use fresh batteries for your original remote, and your MXv3 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 MXv3 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're 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.

K. 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.





MOTOROLA

Code List

TV

Abex 0185
Acme 0010
Admiral 0020 0226 0001
Advent 0116 0176 0922
Adventura 0174
Aiko 0058
Aiwa 0195 0196 0227 0269
Alleron 0051
Amark 0020
Amtron 0053
Akai 0105 0002 0077 1137
Anam National 1138 0254 0105 1113 1139
AOC 0004 0005 0009 1009
Apex 0214 0216 0215 1132
Archer 0020
Aspect 0059
Audiovox 0053 1019 1117
Axion 0177
Bang & Olufsen 0190
Belcor 0004
Bell & Howell 0031 0049 0000 0001
Benq 0081 0083 0101
Bluesky 1155 0144
Bradford 0053
Broksomic 0147 0135 0310
Brokwood 0004
Candle 0004 0009 0174 0008
Capehart 0175
CCE 1153
Celera 0214
Celebrity 0002
Centrios 0169
Centurion 0009
Cetronic 0042
Changhong 0214 0401
Cineral 0058 0144
Citizen 0004 0009 0053 0105 0109
0189 0135 0001 0008 0042 0058
Clairtöne 0014
Classic 0214 0401 0042
Coby 1091 1124
Color Voice 0010
Colortyme 0004 0009 0010
Concerto 0004 0009
Concierge 0121
Contec/Cony 0053 0012 0014 0042
Cornea 0050
Craig 0053 0042
Crosley 0062
Crown 0053 0042
Curtis Mathes 0031 0105 0130 0004
0009 0000 0049 0109 0358 0001 0015
CTX 0020
CXC 0053 0042
Cybervision 0144
Daewoo 0130 0004 0009 0100 0005
0138 0043 0140 0309 0444 0080 0042
0058 0017 0010 0126 0018 0127 0019
Daytron 0004 0009
Dell 0209 0028 0132
Diamond Vision 0210 0948 0092
Digimate 0107 0017 0017
Digistar 1019 0165 0118 0116
0167 0132 1020 1151 1152
Dimensia 0031 0000
Disney 0158 0135
Dukane 0059 0072
Dumont 0121 0004
Durabrand 0189 0135 0153
0217 0157 1135
Dynasty 0042
Elektra 0001
Electroband 0002 0014
Electrohome 0004 0009
0254 0003 0022
Elite Video 0197
Emerson 0004 0009 0044 0135
0049 0051 0189 0053 0147 0039
0130 0210 0456 0040 0041 0042
0021 0023 0024 0179 0045 0025
0027 0030 0032 0034 0035 0037
Envision 0004 0009 0074 1009
ESA 0189
Fisher 0049 0110 0268 0180 0012
Fujitsu 0197 0051 1006
Funai 0051 0189 0053
0227 0456 0042
Futuretec 0053 0042
Gateway 0046
Norcent 0216 0043 0056
NTC 0058

Olevia 1027 1012 1140 1142 1156
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
Gradient 1013 0004 0153 1160 1159
Grundy 0051 0053
Guestvision 0201
Gvision 1005
Haier 0081 0216 0217 0157 1147
Hallmark 0004 0009
Harley Davidson 0153
Harvard 0053
Hewlett Packard 1015 1004
Hisense 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
IMA 0053
Infinity 0062 0288
In Focus 0000
Initial 1070 0146 1085 1109
Insignia 0103 0189 0217 0135
0133 0116 0167 1148 0456 0029
Integra 0181
Inteq 0121
Janel 0174
JBL 0062
JCB 0002
JC Penney 0031 0004 0005 0009
0105 0107 0109 0054 0000 0087
0008 0012 0015 0022 0030 0052
Jensen 0004 0009 0133
JVC 0060 0026 0197 069 0160
0247 0923 0012 0065 0067 0141
Kawasho 0004 0009 0002
Kaypani 0175
KEC 0042 0053
Kenwood 0004 0009
KLH 0214
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 0004 0009 0005 0132 0227
0338 0012 0057 0080 0156
Liquidvideo 0177 0168
Lloyd 0153
Lodenet 0031 0202 0000 0001
Loewe 0211 0062
Logik 0031 0000 0001
Luce 0055
Luxman 0004 0009
LXI 0031 0004 0009 049 0062
0107 0109 0000 0227 0015
Magnasonic 0051
Magnavox 0062 0004 0009 0183
1133 0008 0068 0075 0141
Majestic 0031 0000 0001
Marantz 0062 0181 0004 0009
0394 0456 0012 0015 0180
Maxent 0046
Medion 0213 0198 0158
Megatron 0004 0009 0059
Mintek 0146
Minut 0052
Mitsubishi 0005 0151 0051 0004
0009 0022 0141 0180
Montgomery Ward 0031 0001 0000
Motorola 0020 0003
Monivision 0036
Montgomery Ward 0031 0001 0000
Motorola 0049 1013
Myron & Davis 0049 1013
NAD 0004 0009 0109 0185
NEC 0181 0004 0005 0009
0003 0010 0095 0141
NET-TV 0046 0124
Nextech 1052 0167
Nikei 0042
Nikk 0004 0009 0058
Niko 1143
Norcent 0216 0043 0056
NTC 0058

Olevia 1027 1012 1140 1142 1156
Oncommand 0201
Onking 0042
Onwa 0053 0042
Optimus 0170 0185
Optoma 1028
Optonica 0020 0095
Orion 0121 0135 0035
Panasonic 0171 0148 0054
Philco 0062 0004 0005 0009
0170 0062 0003 0070
Philex 0183 0011 1158 0068
Philips 0062 0204 0184 0205 0207
0075 0141 0003 0008
Totevision 0105 0049 0095 0170 0012 0117 0141
Trouw 0153
Tulip 0005 0001
Telenet 0031 0000 0001
Tera 0004 0186
Tevion 0198
TMK 0004 0009
Toshiba 0159 0178 0109 0120 0181
Totevision 0153
Trutech 1029 1145 1121
Universal 0052 0087
Victor 0060
Vidtech 0004 0005 0009
Viewsonic 0046 0072 1014 1144
Pilot 0004
Pioneer 0185 0181 0072
0004 0009 0090 0179
Piva 1075
Planar 1007
Polaroid 0182 0173 0133
1019 1136 0029
Portland 0004 0005
Precision 0166
Price Club 0105
Prima 1019 0165 0116 0167 0176
Princeton Graphics 0020 0099
Prism 0054
Proscan 0031 0107 0015 0162 0163
0192 0004 0009
1010 0093 0175 0186
Protron 1017 1157
Provieu 1025 1026 1027
Pulsar 0121 0004
RCA 0031 0000
Samsung 0105
Radio Shack 0031 0004 0048 0049
0053 0170 0009 0227 0342
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Sampo 0124 0046 0004
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