

Operating Instructions for  
**Motorola  
Advanced Series  
MXv3 Remote Control**



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**BUTTON FUNCTIONS**

- RECORD**  
Controls Record functions (only available on Digital Video Recorder/Set-top Boxes)
- MENU**  
Displays the Applications Menu
- REPLAY**  
Replays the previous few seconds of a program
- ON DEMAND**  
Provides direct access to on Demand Channel
- FWD**  
Forward ahead to stored or recorded programs
- BACK**  
Return to previous menu screen or TV channel
- CURSOR NAVIGATION PAD**  
Navigates to and highlights an item from on-screen choices
- EXIT**  
Use to exit setup screens
- VOLUME + OR -**  
Raises or lowers the sound level
- GUIDE**  
Displays the Program Guide Listings
- MUTE**  
Silences the audio. Press to activate. Press again to restore to original level
- DELETE**  
Edit text on the screen

**STB, TV, DVD, AUX**  
Used to select the component you want to operate and signals remote control actively

**VCR/DVD/MOD KEYS**  
Perform standard VCR and DVD functions when in DVD or VCR mode, and DVR or Video-on-Demand options when in STB mode

**POWER**  
Allows you to turn your TV, VCR, DVD, AUX and Set-top Box On and Off

**TV/VIDEO**  
Selects the video source from available video components

**RECORDED TV**  
Displays the Digital Video Recorder (DVR) menu

**LEARN**  
Displays information about the program currently playing or highlighted in the program guide

**INTERACTIVE**  
Available for future use

**OK/SELECT**  
Selects highlighted screen options

**INFO**  
Displays information about the program currently playing or highlighted in the program guide

**A**  
Allows you to select available aspect ratios through the STB

**B**  
Provides direct access to favorites channel

**C**  
Available for future use

**CH/PG + OR -**  
Navigate to and highlight an item from the on-screen choices

**LAST**  
Returns to the previous channel

**NUMBER PAD**  
Enter numbers to tune to channels. Also, make numeric entries on on-screen menus

*Note: You can also use **▲►▼◀** or the program guide as alternate ways to tune channels.*

**ZOOM**  
Allows access to viewing options, including aspect ratios, audio languages and subtitles

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BUTTONS SHOULD BE PRESSED AND RELEASED QUICKLY, AS HOLDING BUTTONS MAY EXECUTE ADDITIONAL COMMANDS.



Install two AA alkaline batteries, as shown.

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 two 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 that 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 set up. 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 set up the TV, DVD and AUX mode keys to control the devices (Section A).

Please refer to the code list 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 set up separately by setting up both the TV and DVD mode keys.

**Note:** The DVD and AUX mode keys can be set up with any code. The TV mode key can only be set up with TV codes.

**A. Manual Programming**

How to set up 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 1 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 steps 2 through 5, trying each code for your brand until you find the correct code

Repeat the steps on the previous page to set up 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 set up 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 1 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 set up another device by following steps 1 thru 4 of this section.

**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 set up with a valid code. So, to learn the keys, first set up 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**

1. Press and hold the mode key (TV, DVD or AUX) on the MXv3 remote and, while holding it pressed, press the LEARN key for 1 second, then release both keys.



2. All of the mode keys will flash and then the selected mode key light remains on.

3. On your MXv3 Remote, press and release the key that you want to teach.

4. 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 3 seconds and stays on. If this happens, repeat steps 3 and 4 above.)

5. Repeat steps 3 and 4 on previous page for each key you want your MXv3 Remote Control to learn.

6. 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.

**Note:** It is not necessary to have your MXv3 Remote Control learn every key from your original remote, since most of the keys will not be used under normal daily use. The best practice is to teach only the keys that help you navigate for the best experience, like your volume up and down.

**D. Clearing Commands**

**D-I. To Clear all Learned Commands (under a single mode)**

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

2. All the mode keys will flash and the selected mode key light will stay on.

3. Press and release the LEARN key once. The mode key light blinks off.

4. Press and release the DELETE key. The mode key light turns off. All learned commands under that mode are now cleared.

**D-II. To Clear all Learned Commands (under ALL modes)**

1. Press and hold the mode key (TV, DVD or AUX) and, while holding it pressed, press the LEARN key for 1 second, then release both keys.

2. All the mode keys will flash and the selected mode key light will stay on.

3. Press and release the LEARN key twice. The mode key light blinks off.

4. Press and release the DELETE key. The mode key light turns off. All learned commands under that mode 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 on which mode you are in, then follow the instructions in Section E-II.

**E-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 and 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 or 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 set up 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 you 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 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 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.

**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, follow the instructions in Section F-I.

**F-I. Channel Control Depends on Device Selected**

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

2. Release both keys and 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.

**F-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 and 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 set up 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.

**G. 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 1 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.

**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 set up. 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 in step 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 MXv3 Remote directly toward 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:

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

**J. 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 1 second and release both keys at the same time.

2. All the mode keys will flash and 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 set up 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.

**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.

2. No functions may be stored under the LEARN key, or in the STB mode.

3. Depending on the remote you are trying to learn, some keys may not be learnable.

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

5. Use fresh batteries for your original remote and your MXv3 Remote Control.

6. Stay at least 3 feet away from incandescent or low-energy lights when learning.

7. Before learning, clear all learned commands (refer to Section D-II), then try learning two or three commands initially.

8. 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 in C-I). You may need to adjust the height of either remote to achieve this.

9. Avoid learning your original remote's Volume/Mute keys unless you are sure these operate the same device.

10. Avoid learning your original remote's VCR or DVD transport keys unless you're sure these operate the same device.

11. If learning the first or second keys for a mode results in continuous errors, then try the following:

1. End the learn session by pressing the LEARN key.

2. Clear out the learned commands for that mode.

3. Check that the IR elements are correctly aligned between the two remotes.

4. Adjust the distance between the two remotes to be closer (e.g., half an inch) or farther away (e.g., 2 inches) from each other.

5. 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**

Manufacturer/Brand	Setup Code Number
Abox	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 1138
	0254 1105 1113 1139
Anam National	0053 0003 0025 0042 0193
AOC	0004 0005 0009 1009
	0014 0156 0175 0187
Apex	0214 0216 0215 1132
Archer	0020
Aspect	0059
Audiovox	0053 1019 1117
Axon	0177
Bang & Olufsen	0190
Belcor	0004
Bell & Howell	0031 0049 0000 0001
Benq	0081 0083 0101
Bluesky	1155 0144
Bradford	0053
Broksonic	0147 0135 0310
Brokwood	0004
Candle	0004 0009 0174 0008
Capehart	0175
COE	1153
Celera	00214
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
Clairstone	0014
Classic	0214 0401 0042
Coby	0911 1124
Color Voice	0010
Colorlyme	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 0039 0444 0080 0042
	0058 0017 0010 0126 0018 0127 0019
Daytron	0004 0009
Dell	0209 0028 0132
Diamond Vision	0210 0948 0092
Digimata	0017
Digistar	0109 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 1153
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
ESAD	0189
Fisher	0049 0110 0268 0180 0012
Fujitsu	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
Gibraltar	0121 0004
Goldstar	0004 0009 0005 0227
	0338 0012 0057 0080 0156
	1013 0004 0153 1160 1159
Grundig	0051 0053
Guestvision	0201
Gvison	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 1023 0146 0189 1139
IMA	0053
Infinity	0062 0288
In Focus	0000
Initial	1070 0146 1085 1109
Insighnia	0103 0189 0217 0135
	0133 0116 0167 1148 0456 0029
Integra	0181
Inteqa	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 0069 0160
	0247 0823 0012 0065 0067 0141
Kavasho	0004 0009 0002
Kaysani	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
Lodgenet	0031 0202 0000 0001
Loewe	0211 0062
Logik	0031 0000 0001
Luce	0055
Luxman	0004 0009
LXI	0031 0004 0009 0049 0062
	0107 0109 0000 0227 0015
Magnasonic	0051

**TV**

Manufacturer/Brand	Setup Code Number
Magnavox	0062 0004 0009 0183
	1133 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	0004 0009 0049 0051 0135
	0031 0000 1007 0268 0310 0001
MGA	0040 0000 0009 0051
	0012 0022 0141 0180
Midland	0031 0121 0054 0107 0015
Mintek	0146
Minutz	0052
Mitsubishi	0005 0151 0051 0004 0009
	0022 0141 0180
Monivision	0036
Montgomery Ward	0031 0001 0000
Moteva	0049 1013
Motorola	0020 0003
MTC	0004 0005 0009 0105 0109 0014
Multitech	0053
Multivision	0084
Myron & Davis	0212
NAD	0004 0009 0109 0185
NEC	0181 0004 0005 0009 0003
	0010 0095 0141
NET-TV	0046 0124
Nextech	1052 0167
Nikei	0042
Niko	0004 0009 0058
Niko	1141
Norcent	0216 0043 0056
NTC	0058
Olevia	1027 1012 1140 1142 1156
Oncommand	0201
Onking	0042
Onwa	0159 0178 0105
Optimus	0170 0185
Optoma	1028
Optonica	0020 0095
Orion	0121 0135 0035
Panasonic	0171 0148 0054 0170 0062 0003 0070
Philco	0062 0004 0005 0009 0183 0011 1158
	0068 0075 0141 0003 0008
Philips	0062 0204 0184 0205 0207 0004 0189
	0183 0199 0200 0081 1149 1154 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	0017
Planar	1007
Polaroid	0182 0173 0133 1019 1136 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 0162 0163
Proton	0192 0004 0009 1010 0093 0175 0186
Proton	0117 1157
Proview	1025 1026 1027
Pulsar	0121 0004
Quasar	0171 0148 0054 0170 0062 0003 0070
RadioShack	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 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 0172 0012 0015 0080 0104 0106
Samsux	0009
Samtron	0105
Sansui	0135
Santaca	0194
Sanyo	0049 0097 0110 0004 0012 0108 0180
Scoptr	0149 1132
Scotch	0004 0009
Scott	0004 0009 0051
	0053 0024 0035 0042
Sears	0031 0062 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 0023 0020 0004
	0009 0226 0266 0006 0095 0122
Shogun	0004
Signature	0031 0000 0001 0023
Simpson	0008
Sonic	0014
Sony	0128 0013 0002 0071 0380 0152
Sova	1003 1095
Soyo	1130 1131
Soundesign	0004 0009 0051 0053 0008 0042
Spectra	0210
Spectravision	0033 0033
Squareview	0189
SSS	0004 0053 0042
Starlite	0053
Star Slight	0064
Supra	0004 0082
Superscan	0112 0079 0456
Supersonic	0944
Supremacy	0174
Supreme	0002
SVA	0218 0212
Sylvania	0062 0004 0009 0135 0189 0183 0008
	0068 0075 0141 0161
Symphonic	0053 0189 0227 0456 0024
Syntax	1027 1140 1142
Tandy	0020
Tashiko	0153
Tatung	0081 0198 0003
Technics	0054
Techwood	0004 0009 0054
Teknika	0004 0005 0009 0051 0053
	0105 0109 0170 0000 0174
	0001 0008 0012 0042
Telecaption	0117
Telerent	0001 0000 0001
Tera	0004 0186
Televion	0198
TMK	0004 0009
Toshiba	0159 0178 0109 0120 0181 0105 0049
	0095 0170 0012 0117 0141
Totelevision	0153
TruTech	1029 1145 1121
Universal	0052 0087
Victor	0060
Vidtech	0004 0005 0009
Viewsonic	0046 0072 1014 1144
Viking	0174
Viore	1018
Vizio	0081 1011
Wards	0031 0062 0004 0005 0009
	0051 0000 0068 0075 0087 0095
	0119 0052 0001 0008 0024
Westinghouse	0143 0114 1146
White Westinghouse	0100 0130 0138 0136 1008 0027 0080
Yamaha	0170 0004 0005 0009

**TV**

Manufacturer/Brand	Setup Code Number
Zenith	0121 0009 0050 0078 0091 0138 0059
	0131 0038 0111 0134 0153 0064 0004
	0135 0023 0039 0001 0058

**HDTV**

Manufacturer/Brand	Setup Code Number
Sony	0071 0152
Mitsubishi	0146 1024
Proscan	0000
RCA	0031 0000
Samsung	0105
Dell	0209 0028 0132
Zenith	0121 0091 0111
Daewoo	0100
Philips	0205 0204 0208
Sampo	0124
Apex	0215
Hitachi	0089
JVC	0160
Panasonic	0170 0171
Sharp	0063

**LCD TV**

Manufacturer/Brand	Setup Code Number
NET-TV	0124
Sharp	0079 0020 0004 0009 0006 0095 0122
Benq	1150
Hitachi	1002
Sylvania	1141
Magnavox	0204 1133
Panasonic	0148
Philips	0208 0208
Polaroid	0182 0173 0133 1019 1136
Samsung	0007 0085
Sony	0128 0013 0152
Toshiba	0926 0982 0927 0925 0928
Viewsonic	1144 1019 0074 1016 0198
	1024 0168 0177 1025 1026
Zenith	0050 0059 0078

**Plasma TV**

Manufacturer/Brand	Setup Code Number
Acer	0081 0083
Fujitsu	0197 1006
Gateway	0046
Hitachi	0059 0072
LG	0050
Magnavox	1133
Pwa	0075
NEC	0181
Panasonic	0170
Sherwood	0425
Pioneer	0072 0090
RCA	0000
Samsung	0076 0077
Toshiba	0170 0181
Viewsonic	0046 1019 0050 0198
Zenith	0131

**Projection TV**

Manufacturer/Brand	Setup Code Number
Hitachi	0059 0091 0061 0088 0060
	0072 0137 0139 0141 0179
Pioneer	0185 0181
Sony	0002 0128 0013 0071
Toshiba	0109 0117 0141
Panasonic	0171 0054
JVC	0060 0069
LG	0155
Mitsubishi	0051
Samsung	0007 0105
Zenith	0091

**Digital TV**

Manufacturer/Brand	Setup Code Number
Samsung	0085

**TV/DVD Combo**

Manufacturer/Brand	Setup Code Number
Apex	0214 0401
Broksonic	0394
Hitachi	0935
JVC	0923
Panasonic	0437 0950
Philips	0456 0189 0458
RCA	0031 0409
Sansui	0394
Sylvania	0456 0189 0458
Toshiba	0394 0924

**TV/VCR Combo**

Manufacturer/Brand	Setup Code Number
Broksonic	0147 0250 0147 0257 0310
Daewoo	0039 0252 0138 0279
Emerson	0227 0233 0039 0252 0147 0250 0254
	0257 0285 0266 0310 0325
JVC	0247
Magnavox	0226 0288 0456
Magnin	0268
MGA	0268
Mitsubishi	0254
Optimus	0374 0381
Panasonic	0374 0381
Penney	0268
Philips	0288 0456
Quasar	0374 0381
RCA	0342
Samsung	0358 0942
Sansui	0310
Sanyo	0001 0000 0001
Samsung	0455 0963
Sharp	0226 0266
Sylvania	0227

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