

# MXv3

## PROGRAMMING YOUR PBTV REMOTE FOR POWER & VOLUME

### START WITH TV TURNED ON

#### CODE SEARCH METHOD

Press and hold the TV **1** button. While holding it, press the OK key **2** for one second.

Release both keys and all the mode keys will flash, then the selected mode key (TV **1**) will stay lit.

Press the POWER **3** button repeatedly until the TV set turns off. Once the TV has turned off, press OK **2** to save the code.

The TV light will go out to indicate a successful setup.

IF THE VOLUME WORKS, DO THE FOLLOWING STEPS:

#### LOCK THE VOLUME METHOD

Press and hold the TV **1** button. While holding it, press the OK key **2** for one second.

Release both keys and all the mode keys will flash, then the selected mode key (TV **1**) will stay lit.

Press and hold the MUTE **4** key until the TV light turns off and remains on.

Press and release the TV **1** button (it will remain lit when released)

Press and release the MUTE **4** button to store setting.





**Motorola  
Advanced Series  
MXv3 Remote Control**

**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 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).

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. 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**

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 one second then release both keys.



Motorola remote

1 inch apart



Your original remote

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 three 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, channel up and down, and DVR functions.

**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 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 twice. The mode key light blinks off.
4. Press and release the DELETE key. The mode key light turns off.

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**

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.

**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-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 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.

**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, 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.

**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 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.

**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:

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 instep 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 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.

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.

**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 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.

**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.

- a. 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.

**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 1138 0254 1105 1113 1139
Anam National	0053 0003
AOC	0025 0042 0193 0004 0005 0009 1009 0014 0156 0175 0187
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
Broksonic	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
Clairtone	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 0039 0444 0080 0042 0058 0017 0010 0126 0018 0127 0019
Daytron	0004 0009
Dell	0209 0028 0132
Diamond Vision	0210 0948 0092
Digimate	1017
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	0002 0014
Electroband	0004 0009
Electrohome	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
Futuretec	0042
Gateway	0053 0042 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
Gradiente	0051 0053
Grundig	0201
Guestvision	1005
Gvision	0004 0009
Haier	0081 0216 0217 0157 1147
Hallmark	0004 0009
Harley Davidson	0153
Harvard	0053
Hewlett Packard	1015 1004
Hisense	0073 0182 0216 1016 0088 0059 0142 0060 0072
Hitachi	0004 0009 0091 1002 0001 0012 0061 0137 0139 0141 0179 0227
Hyundai	1134
ILO	0198 1070 1024 1023 0146 0189 1139
IMA	0062 0288
Infinity	0000
In Focus	1070 0146 1085 1109
Initial	0103 0189 0217 0135
Insignia	0133 0116 0167 1148 0456 0029
Integra	0181
Inteq	0121
Janeil	0174
JBL	0062
JCB	1155 0144
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 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 0053 0014 0021 0042 0070
KTV	0001
Kurazai	0001
Lasonic	0210 0948
Legend	0116
LG	0004 0009 0005 0132 0227 0338 0012 0057 0080 0156 0177 0168
Liquidvideo	0153
Lloyd	0105
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
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	1017
Memorex	0004 0009 0049 0051 0135 0031 0000 1007 0268 0310 0001 0004 0005 0009 0051 0012 0022 0141 0180
MGA	0031 0121 0054 0107 0015
Midland	0146
Mimtek	0052
Minutz	0005 0151 0051 0004 0009 0022 0141 0180
Mitsubishi	0036
Monivision	0031 0001 0000
Montgomery Ward	0049 1013 0020 0003
Moteva	0004 0005 0009
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
Nexstech	1052 0167
Nikei	0042
Nikko	0004 0009 0058
Niko	1143
Norcent	0216 0043 0056
NTC	0058
Oncommand	0201
Onking	0042
Onwa	0053 0042
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	1075
Planar	1007
Polaroid	0182 0173 0133 1019 1136 0029
Portland	0004 0005
Price Club	0009 0138 0130
Precision	0166
Price Club	0103 0189 0217 0135
Prima	1019 0165 0116 0167 0176
Princeton Graphics	0020 0099
Prism	0054
Proscan	0031 0107 0015 0162 0163
Proton	0192 0004 0009
Protron	1010 0093 0175 0186
Proview	1017 1157
Proview	1025 1026 1027
Pulsar	0121 0004
Quasar	0171 0148 0054 0170 0062 0003 0070 0031 0004 0048 0049
Radio Shack	0053 0170 0009 0227 0342 0000 0012 0041 0042 0095 0031 0004 0048 0054 0094
RCA	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
Santeca	0194
Sanyo	0049 0097 0110 0004 0012 0108 0180
Scotch	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 0063 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	0203
Squareview	0189
SSS	0004 0053 0042
Starlite	0053
Star Sight	0064
Supra	0004 0082
Superscan	0112 0079 0456
Supersonic	0944
Supremacy	0174
Supreme	0002
SVA	0216 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	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 0012 0117 0141
Totevision	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 0100 0130 0138
White Westinghouse	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 0023 0039 0001 0058

**HDTV**
**LCD TV**
**PLASMA TV**
**PROJECTION TV**
**DIGITAL TV**
**TV/DVD COMBO**
**TV/DVD/VCR COMBO**
**TV/VCR COMBO**
**TV/VCR TUNER COMBO**
**TV/DVD/VCR TUNER COMBO**
**DVD**
**CD**
**DVD/VCR COMBO**
**DVD RECORDER**
**PORTABLE DVD**
**NETWORK DVD**
**DVD-DVR**
**RECEIVER/AMPLIFIER**
**RECEIVER/TUNER**
**AUDIO CASSETTE**
**TUNER**
**TUNER/CD COMBO**
**RECEIVER (HTIB)**
**AMPLIFIER**
**RECEIVER/AMPLIFIER**
**RECEIVER/TUNER**
**AUDIO CASSETTE**
**TUNER**
**TUNER/CD COMBO**
**RECEIVER (HTIB)**
**AMPLIFIER**
**RECEIVER/AMPLIFIER**
**RECEIVER/TUNER**
**AUDIO CASSETTE**
**TUNER**
**TUNER/CD COMBO**
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**TUNER/CD COMBO**
**RECEIVER (HTIB)**
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**RECEIVER/TUNER**
**AUDIO CASSETTE**
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**TUNER/CD COMBO**
**RECEIVER (HTIB)**
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**RECEIVER/TUNER**
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**TUNER/CD COMBO**
**RECEIVER (HTIB)**
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**AUDIO CASSETTE**
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**TUNER/CD COMBO**
**RECEIVER (HTIB)**
**AMPLIFIER**
**RECEIVER/AMPLIFIER**
**RECEIVER/TUNER**