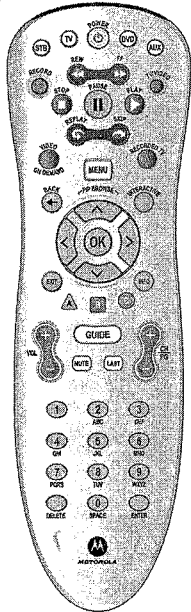




Advanced Video powered by Microsoft® Mediaroom™ Quick Remote Guide





Motorola Remote Control User Guide

Installing Batteries

The remote control requires two AA size (1.5V) batteries to work. Alkaline batteries are required for the proper functioning of this remote.

Tips: replace the batteries every nine months for optimum performance.

1. On the back of the remote control, press the battery cover tab and remove the battery cover.
2. Insert two (2) AA-size batteries, matching the + and - symbols with the battery diagrams inside the battery compartment.
3. Close the battery compartment with the battery cover. Test the remote control by pressing the STB key. The STB key should light up to indicate that batteries are inserted properly.

Controlling Other Devices

In order to control other devices with your Motorola Remote Control you need to tell the remote control what types of devices you have. Section 1 brings you through the steps needed to do this. When you do this the volume and channels will always work on the Receiver no matter what mode you are in. If you want to change this or allow the POWER key to affect multiple devices then you can also follow the steps in Section 2. Sections 3 and 4 are optional if you want to reset any of the settings.

1. Programming the remote to control other devices

To use the remote control for your other devices, you will need to program the TV, DVD and AUX mode keys to control the devices (section A). Please refer to the Manufacture Code List, found in this manual, for a list of supported brands and models. If you have an integrated or combination unit, such as a TV/DVD unit, each component of the unit will normally be programmed separately. If your device is not supported you will need to use section B on "Using the Automatic Search".

Note:

The AUX may be programmed to operate a VCR, Home Theater In the Box (HTIB), receiver or amplifier.

A. Manual Programming

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

1. Power on the device you want to program
2. Locate the 4-digit set up code for the device you want to program from the Manufacture Code List in this manual
3. Press and hold the appropriate mode key (TV, DVD or AUX) on the remote control...
4. Without releasing the chosen mode key, press and hold the OK key simultaneously
5. Release both the mode key and the OK key
 - All the mode keys should flash twice
6. Enter the 4-digit set up code by pressing the number keys (0-9) on the remote control
 - The mode key will flash three times indicating correct entry and return to normal operation
 - When an invalid code is entered, the selected mode key will give a long flash to indicate that you have not entered the set up code correctly
 - Should the remote control time-out before you complete the code setup, you will need to start over
7. Point the remote control at the programmed device and press the power key once
 - The device should turn off
 - If it does not turn off, repeat steps 2 through 6 trying each code for your brand until you find the correct code
8. Repeat steps 1 through 7 to program another device.

Now that your devices are programmed, you can press the appropriate mode key on the remote control to work with the selected device. To use the remote control for your Receiver again, press the STB mode key.

B. Using the Automatic Search

You can search the remote control memory for your 4 digit manufacture device code. Also use this function if the code for your device is not listed in the Manufacture Code List.

1. Turn on the device you wish to program
2. Point the remote control at the device
3. Press and hold the mode key (i.e. TV, DVD or AUX) you want to program
4. Without releasing the selected mode key, press and hold the OK key simultaneously
5. Release both the mode key and the OK key
 - All the mode keys will flash twice indicating programming mode
6. Enter 922 by pressing the number keys on the remote control
 - The selected mode key will flash twice indicating correct entry

1 for VCR

2 for Receiver/Tuner

3 for Amplifier

4 for Home Theater In The Box (HTIB)

- The AUX mode keys will flash twice indicating correct entry
7. Press and hold the PLAY key and wait until the device turns off, then release the PLAY key.
 - The REW key can be utilized to go back through the codes one at a time
 - The FF key can be utilized to move forward through to codes one at a time
 - Press the PLAY key to resume auto search of device codes

8. To save the code press the ENTER key on the remote control (bottom right) or press the EXIT key to return to normal operations
 - The selected mode key will flash three times and return to normal operations

9. If no valid code is found, the green backlight will flash 2 times and the remote control will return to normal operation.

10. Turn the device back on and use the remote to control your device. Now that your devices are programmed, you can press the appropriate mode key on the remote control to work with the selected device. To use the remote control for your Receiver again, press the STB mode key.
 - You may need to repeat steps 1 through 8 to find a code

Note:

- If any other key is pressed except PLAY, ENTER, POWER, EXIT, REW, FF, or number keys 1 to 4 the selected mode key will give a long red flash (error message) and the remote control will return to normal operation and you will need to start over.

- If you are interrupted while you are programming, the remote control may time-out before you complete the code setup and you will need to start over. This is indicated by two quick flashes of the green backlighting.

2. Setting up your volume, channel and power options

The defaults for your power, volume and channel control are that they always send the codes to the Receiver no matter what mode you are in. Thus in DVD mode, the volume still controls the Receiver, etc.

If you would like to change this follow these instructions:

A. Volume Control Set Up Options

The volume commands are always sent to the Receiver until the TV mode key is programmed. Then the volume commands are sent to the TV from all mode keys. If you'd like the volume commands to still be sent to just one device, but that it be a different device (for example a home theater setup) then follow the instructions in Section I. If you'd like the volume commands sent to different devices depending on which mode you are in then go to Section II.

I. Volume Always Controls the Same Device

1. Press and hold the STB key on the remote control
2. Without releasing the STB key, press and hold the OK key simultaneously
3. Release both the STB key and the OK key
 - All the mode keys will flash twice indicating programming mode
4. Enter 955 by pressing the number keys on the remote control
 - The STB key will flash twice indicating correct entry
5. Press the mode key that you want to always receive the volume commands
 - The selected mode key will flash three times indicating successful assignment and return to normal operation

The volume commands will now go to the selected device no matter what mode you are in.

II. Volume Control Depends on Device Selected

The volume setting can also be re-configured to independently control the volume associated with each device. (E.g. In AUX mode the receiver controls the audio; In TV mode the TV controls the audio)

1. Press and hold the STB key on the remote control
2. Without releasing the STB key, press and hold the OK key simultaneously
3. Release both the STB key and the OK key
 - All the mode keys will flash twice indicating programming mode
4. Enter 955 by pressing the number keys on the remote control
 - The STB key will flash twice indicating correct entry

5. Press the ENTER key
 - The STB key will flash three times indicating successful assignment and return to normal operations

B. Channel Selection Set Up Option

By default the remote control will always send channel commands to the Receiver no matter what mode you are in. This will prevent accidental TV channel changes while in TV, DVD or AUX modes.

Channel selection can also be re-configured to independently send channel commands to different devices depending on what mode you are in (e.g., in STB mode the remote sends channel commands to the Receiver; in TV mode the remote sends channel commands to the television). To do this, follow these instructions:

1. Press and hold the STB key on the remote control
2. Without releasing the STB key, press and hold the OK key simultaneously
3. Release both the STB key and the OK key
 - All the mode keys will flash twice indicating programming mode
4. Enter 966 by pressing the number keys on the remote control
 - The STB key will flash twice indicating correct entry
5. Press the device mode key that you wish to provide channel control
6. Press the ENTER key
 - The STB key will flash three times indicating successful assignment and return to normal operation

Note:

If you press any key other than the mode keys or ENTER the STB key will give a long red flash and the remote control will return to normal operation. Should the remote control time-out before you complete the procedure you will need to start over.

C. Power Control Set Up Options

By default, the POWER key only powers ON or places your Receiver in Standby mode. Unless you have programmed the TV mode key then the TV and Receiver will both be powered ON/OFF simultaneously. You also have the option to turn ON/OFF TV, DVD and AUX mode devices individually by pressing the applicable mode key then the POWER key.

To Have Multiple Devices Power Off with the Power Key

If you would like other devices to be powered on/off simultaneously with the POWER key then follow these instructions for the additional devices (for a total of 4).

1. Press and hold the STB key on the remote control
2. Without releasing the STB key, press and hold the OK key simultaneously
3. Release both the STB key and the OK key
 - All the mode keys will flash twice indicating programming mode
4. Enter 977 by pressing the number keys on the remote control

- The STB key will flash twice indicating correct entry

5. Press the STB key on the remote control
 - The STB key will flash twice indicating correct entry
6. Press the TV key on the remote control
 - The TV key will flash twice indicating correct entry
7. Press each additional mode key that you wish to include such as the DVD key or AUX key

- The selected mode key will flash twice indicating correct entry

- If you want to include both mode keys repeat step 7 selecting the other mode key

8. Press the ENTER key to complete
 - The last mode key selected will flash three times indicating successful assignment and return to normal operation

Note:

If you press any key other than the mode keys or ENTER the STB key will give a long red flash and the remote control will return to normal operation. Should the remote control time-out before you complete the procedure you will need to start over.

If the devices that you have programmed to turn ON/OFF at the same time get out of sync so that some turn ON and others turn OFF you will need to manually turn OFF the out of sync devices and then press the POWER key to turn them all back ON. It is important to point the remote directly toward the devices for this to work properly.

To change the number of devices controlled by the POWER key, you must start at Step 1 and continue until all desired devices have been programmed.

3. Changing and Removing Codes

A. Mode Deactivation

To deactivate a mode key, follow these steps:

1. Press and hold the appropriate mode key (TV, DVD or AUX) on the remote control
2. Without releasing the chosen mode key, press and hold the OK key simultaneously
3. Release both the mode key and the OK key

- All the mode keys should flash twice

4. Enter the appropriate 4-digit code from the list below depending on the mode you are deactivating:

- TV 1254

- DVD 2254

- AUX 3254

- The mode key will flash three times indicating correct entry and return to normal operation

- When an invalid code is entered, the selected mode key will give a long flash to indicate that you have not entered the code correctly

- Should the remote control time-out before you complete the setup, you will need to start over

B. Reassigning Your Mode Keys To Another Device

The TV, DVD and AUX keys are already set up to control specific devices:

TV key: TV & HDTV

DVD key: DVD

AUX key: VCR, Home Theater In The Box (HTIB), Receivers and Amplifiers

You may reassign these mode keys to operate another type of device. For example, you can control a second DVD player in AUX mode, the same way you control the first DVD player in DVD mode.

1. Press and hold the STB key on the remote control
2. Without releasing the STB key, press and hold the OK key simultaneously
3. Release both the STB key and the OK key

- All the mode keys will flash twice indicating programming mode

4. Enter 944 by pressing the number keys on the remote control

- All the mode keys will flash twice indicating correct entry

5. Press the mode key (i.e., TV, DVD or AUX) for the device you would like to reassign (see list above)

- The selected mode key will flash once

6. Press the mode key you would like to reassign the device to

- The selected mode key will flash three times indicating successful reassignment and return to normal operations

Note:

If any other key is pressed except the mode keys the STB key will give a long red flash and the remote control will return to normal operation. Should the remote control time-out before you complete the procedure you will need to start over.

4. Resetting the remote

A. To the Factory Default Settings:

1. Press and hold the STB key on the remote control.
2. Without releasing the STB key, press and hold the OK key.
3. Release both the STB key and the OK key

- all four mode keys will flash twice to indicate programming mode.

4. Enter programming code 900 by pressing the number keys on the remote control.

- The STB key will flash three times indicating you have successfully entered the code and the remote has been reset to the factory default settings

Note:

If any other key is pressed except the number keys the STB key will give a long red flash and the remote control will return to normal operation. Should the remote control time-out before you complete the procedure you will need to start over.

B. Resetting the Volume, Channel and Power Programming:

1. Press and hold the STB key on the remote control.
2. Without releasing the STB key, press and hold the OK key.
3. Release both the STB key and the OK key
 - all four mode keys will flash twice to indicate programming mode
4. Enter programming code 902 by pressing the number keys on the remote control.
 - The STB key will flash three times indicating you have successfully entered the code to set all of the mode keys as inactive and the remote will return to normal operation

Note:

If any other key is pressed except the number keys the STB key will give a long red flash and the remote control will return to normal operation. Should the remote control time-out before you complete the procedure you will need to start over.

FCC ID: RCSBC15348

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.



MOTOROLA

Set up Code List

TV

Admiral	1001, 1099
Advent	1005, 1053, 1110, 1113
Adventura	1100
Aiko	1015
Aiwa	1034
Akai	1002
Alleron	1044
Amtron	1036
Anam National	1003, 1036
AOC	1004, 1005
Apex	1111, 1119, 1163, 1256
Audiovox	1036
Belcor	1004
Bell & Howell	1001, 1045
Benq	1042
Bradford	1036
Broksonic	1114, 1121, 1382, 1383
Brokwood	1004
Candle	1004, 1007, 1100
Celebrity	1002
Citizen	1004, 1007, 1015, 1036, 1073, 1097, 1100
Colorlyme	1004
Concerto	1004
Contec/Cony	1011, 1012, 1036
Craig	1036
Crosley	1000, 1053
Crown	1036, 1053
Curtis Mathes	1000, 1004, 1014, 1045, 1073, 1097, 1385
CXC	1036
Daewoo	1004, 1005, 1013, 1015, 1016, 1097, 1106, 1258, 1362, 1368, 1369
Daytron	1004, 1097
Dimensia	1000
Dumont	1160
Dynatech	1004
Electroband	1002
Electrohome	1002, 1003, 1004, 1018, 1021
Emerson	1004, 1011, 1013, 1025, 1028, 1031, 1033, 1036, 1044, 1045, 1080, 1097, 1101, 1102, 1107, 1382, 1383
Envision	1004
Fisher	1043, 1045, 1047, 1103
Fujitsu	1044, 1029
Funai	1036, 1044, 1384
Futuretec	1036
Gateway	1038
GE	1000, 1003, 1004, 1008, 1021, 1048, 1049, 1063, 1068, 1094, 1144, 1164, 1224, 1367, 1380, 1381, 1385, 1386
Gibraltar	1160
Goldstar	1004, 1005, 1011, 1018, 1050, 1090, 1091, 1097, 1098
Grumpy	1036, 1044
Hallmark	1004
Harvard	1036
Hisense	1112
Hitachi	1004, 1011, 1012, 1051, 1052, 1084, 1085, 1086, 1087, 1102, 1225, 1384
IMA	1036
Infinity	1053
Janeli	1100
JBL	1053
JCB	1002
JC Penney	1000, 1004, 1005, 1007, 1012, 1021, 1048, 1049, 1058, 1063, 1068, 1072, 1073, 1075, 1097, 1098
Jensen	1004, 1232, 1285, 1314, 1376
JVC	1011, 1012, 1026, 1049, 1052, 1054, 1055, 1080, 1092, 1117, 1131, 1235, 1288, 1299

Kawasho	1002, 1004
Kenwood	1004, 1018
Kloss Novabeam	1036, 1056, 1057, 1100, 1036, 1097, 1101
LG	1005
Loewe	1053
Logik	1001
Luxman	1004
LXI	1000, 1004, 1045, 1053, 1058, 1068, 1075
Magnavox	1004, 1007, 1018, 1053, 1056, 1057, 1059, 1060, 1083, 1110, 1147, 1228, 1300, 1301, 1326, 1339, 1365, 1366, 1371, 1384, 1387
Majestic	1001
Marantz	1004, 1051, 1053
Megatron	1004, 1051
Memorex	1001, 1004, 1005, 1022, 1045
MGA	1004, 1005, 1018, 1021, 1047, 1061, 1062, 1380
Midland	1049, 1068, 1097, 1098, 1160
Minutz	1048
Mitsubishi	1004, 1005, 1018, 1021, 1047, 1061, 1062, 1081, 1381
Montgomery Ward	1001
Motorola	1003, 1099
MTC	1004, 1005, 1073
Multitech	1036
NAD	1004, 1058, 1075, 1085
NEC	1003, 1004, 1005
Net-TV	1040
Nikko	1004, 1015
NTC	1015
Ornwa	1036
Optimus	1085
Optonica	1064, 1099
Orion	1023, 1033, 1107, 1382, 1383
Panasonic	1003, 1010, 1049, 1053, 1096, 1123, 1152, 1231, 1289, 1292, 1295, 1303, 1304, 1305, 1306, 1385
Philco	1003, 1004, 1005, 1007, 1011, 1018, 1053, 1056, 1057, 1059
Philips	1003, 1004, 1007, 1011, 1017, 1018, 1053, 1056, 1057, 1059, 1060, 1063, 1110, 1126, 1129, 1148, 1155, 1238, 1263, 1264, 1265, 1290, 1291, 1307, 1308, 1309, 1337, 1389
Pilot	1097
Pioneer	1004, 1085, 1102
Portland	1004, 1005, 1015, 1097
Price Club	1073
Prima	1113,
Prism	1049
Proscan	1000, 1008, 1068, 1108
Proton	1004, 1011
Pulsar	1160
Pulser	1004
Quasar	1003, 1039, 1049, 1096, 1165, 1166, 1385
Radio Shack	1000, 1045, 1098, 1384
Radio Shack/Realistic	1004, 1011, 1036, 1045, 1064, 1097, 1098
RCA	1000, 1003, 1004, 1005, 1008, 1018, 1049, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1082, 1102, 1104, 1106, 1108, 1115, 1151, 1162, 1167, 1168, 1268, 1269, 1270, 1271, 1310, 1355, 1359, 1361, 1370, 1373, 1379, 1380, 1381, 1385, 1386
Runco	1160
Sampo	1004, 1097, 1098, 1120
Samsung	1004, 1005, 1011, 1014, 1018, 1019, 1072, 1073, 1074, 1097, 1098, 1156, 1161, 1297, 1323, 1360, 1363, 1364
Sansui	1023, 1107, 1122, 1273, 1382, 1383, 1384
Sanyo	1045, 1062, 1095, 1103, 1380
Scotch	1004
Scott	1004, 1011, 1033, 1036, 1044
Sears	1000, 1004, 1012, 1018, 1044, 1045, 1047, 1055, 1058, 1068, 1075, 1076, 1103, 1105, 1384

Sharp	1004, 1009, 1011, 1025, 1064, 1077, 1078, 1097, 1099, 1153, 1157, 1274, 1298, 1311, 1312, 1362, 1375, 1378
Shogun	1004
Signature	1001
Simpson	1007
Sony	1002, 1109, 1137, 1201, 1202, 1249, 1272, 1275, 1276, 1277, 1278, 1317, 1356, 1374, 1384, 1388
Soundesign	1004, 1007, 1036, 1044
Squareview	1105
SSS	1036
Starlite	1036
Supre-Macy	1100
Supreme	1002
Sylvania	1004, 1007, 1018, 1027, 1153, 1056, 1057, 1059, 1060, 1124, 1150, 1145, 1279, 1296, 1387
Symphonic	1024, 1031, 1036, 1105, 1280, 1384
Tandy	1099
Tashiko	1058
Tatung	1003
Techinics	1049
Techwood	1004, 1049
Teknika	1001, 1004, 1005, 1007, 1111, 1012, 1015, 1036, 1044, 1060, 1073, 1096, 1097
Tera	1004, 1011
TMK	1004
Toshiba	1006, 1045, 1058, 1073, 1175, 1079, 1093, 1116, 1154, 1158, 1159, 1252, 1267, 1281, 1282, 1283, 1284, 1286, 1293, 1294, 1313, 1315, 1319, 1338, 1364, 1377
Totevision	1097
Universal	1048, 1063
Victor	1055
Vidtech	1004, 1005
Viking	1100
Wards	1000, 1001, 1004, 1005, 1118, 1031, 1044, 1048, 1053, 1056, 1057, 1059, 1060, 1063, 1064

HDTV / LCD / Plasma etc

Acer	1041, 1192
Apex	1088
Benq	1136
Daewoo	1135
Dell	1141, 1142, 1146, 1394, 1395
Fujitsu	1029
Gateway	1038
Hitachi	1030, 1132, 1133, 1134, 1191, 1208, 1209, 1210, 1211, 1212, 1226, 1322, 1324, 1328, 1344
JVC	1130, 1131, 1227
LG	1343, 1346
Magnavox	1329, 1358, 1372
Mitsubishi	1032, 1213, 1229, 1230
Nec	1193
NET-TV	1040
Panasonic	1140, 1169, 1170, 1194, 1233, 1234, 1331, 1336
Philips	1126, 1129, 1236, 1237, 1239, 1261, 1334, 1351, 1390, 5138
Pioneer	1035, 1195, 1240, 1335
Polaroid	1262, 1391, 1392, 1393, 5141
Proscan	1000
RCA	1143, 1196, 1241, 1242
Sampo	1038, 1243
Samsung	1019, 1171, 1172, 1173, 1174, 1175, 1197, 1198, 1200, 1245, 1246, 1325, 1327, 1352, 1354
Sharp	1138, 1176, 1177, 1214, 1244, 1247, 1248, 1348, 1350
Sony	1037, 1128, 1137, 1216, 1220, 1250, 1251, 1178, 1215, 1218, 1316, 1318, 1330, 1347
Sylvania	1046
Toshiba	1127, 1179, 1203, 1204, 1222, 1223, 1332, 1340, 1341, 1345, 1353
Viewsonic	1038, 1149, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1205
Zenith	1020, 1139, 1207, 1253, 1255, 1333, 1342, 1349

DVD

Aiwa	2026, 2131
Apex	2001, 2056, 2057, 2061, 2095, 2098, 2229, 2250, 2316
Apex Digital	2261, 2262, 2263, 2266, 2269, 2291
Audiovox	2132
Blaupunkt	2136
BOSE	2122, 2130, 2215
Broksonic	2053, 2072, 2284
Cinevision	2152, 2195
Clarion	2100
Classic	2101
CyberHome	2083
Daewoo	2058, 2062, 2137, 2138, 2190
Denon	2110, 2133, 2040, 2216, 2247, 2253, 2317
Emerson	2002, 2059, 2073
Fisher	2112, 2134, 2255
Funai	2002
GE	2079, 2118, 2041, 2261, 2272
Go Video	2046, 2124, 2127, 2129, 2230, 2239, 2249
GPX	2114
Harman Kardon	2125
Hitachi	2000, 2027, 2126, 2173, 2240
Irradio	2149, 2150
JVC	2017, 2028, 2047, 2090, 2096, 2097, 2115, 2166, 2204, 2206, 2217, 2218, 2232, 2242, 2265, 2277, 2283
Kenwood	2142, 2148
Konka	2029, 2030
Koss	2060, 2200
Lasonic	2081
LG	2297, 2303
Magnavox	2002, 2018, 2033, 2089, 2237, 2241, 2245, 2259, 2270, 2293
Marantz	2143
Memorex	2003
Mintek	2004
Mitsubishi	2019, 2123, 2145, 2147
NAD	2059, 2139
Nakamichi	2116
Nexstech	2140, 2256
Norcent	2005, 2117
Onkyo	2006, 2219, 2220
Orion	2009
Panasonic	2031, 2066, 2075, 2076, 2104, 2105, 2106, 2111, 2151, 2153, 2154, 2155, 2167, 2179, 2188, 2198, 2207, 2211, 2212, 2221, 2228, 2248, 2258, 2268, 2300
Philips	2018, 2032, 2033, 2045, 2051, 2156, 2157, 2158, 2159, 2091, 2109, 2169, 2208, 2209, 2222, 2243, 2259, 2260, 2264, 2282, 2285, 2302, 2304
Pioneer	2008, 2021, 2160, 2164, 2191, 2223, 2224, 2267, 2310
Polaroid	2007
Proscan	2010, 2118, 2144, 2205
Qwestar	2009
RCA	2010, 2048, 2055, 2063, 2077, 2099, 2107, 2118, 2161, 2165, 2172, 2177, 2181, 2261, 2275, 2281, 2287, 2289
Sampo	2119
Samsung	2012, 2049, 2074, 2085, 2102, 2175, 2186, 2196, 2214, 2233, 2246, 2274, 2279, 2286, 2290, 2294, 2295, 2299, 2311, 2314
Sansui	2071
Sanyo	2034, 2050, 2120
Sharp	2013, 2015, 2044, 2082, 2086, 2170, 2174, 2292
Sherwood	2121
Sony	2014, 2020, 2022, 2065, 2067, 2068, 2069, 2070, 2087, 2103, 2108, 2113, 2162, 2171, 2176, 2178, 2182, 2187, 2189, 2192, 2193, 2201, 2202, 2203, 2226, 2238, 2244, 2251, 2257, 2273, 2278, 2280, 2288, 2296, 2298, 2305, 2306, 2307, 2309, 2313, 2315
Sylvania	2002, 2064, 2078, 2092, 2194, 2213
Techwood	2141
Toshiba	2023, 2025, 2037, 2038, 2040, 2041, 2054, 2080, 2084, 2088,

Venturer
Yamaha
Yamaha
Zenith

2093, 2094, 2135, 2168, 2180,
2183, 2184, 2185, 2197, 2210,
2227, 2231, 2235, 2259, 2271,
2276, 2284, 2301, 2312
2011
2106, 2146
2163
2039, 2052, 2128, 2199, 2234,
2236, 2252, 2308

Quasar
Radio Shack
Radio Shack/Realistic
RCA
Realistic
Ricoh
Runco
Samsung
Sanky
Sansui
Sanyo
Scott
Sears
Sharp
Shintom
Signature
Singer
Sony
STS
Sylvania
Symphonic
Tandy
Tatung
Teac
Technics
Teknika
Thomas
TiVo
Toshiba
Vector Research
Victor
Video Concepts
Wards
White Westinghouse
XR-1000
Yamaha
Zenith

3062, 3091, 3092, 3212
3001, 3047
3007, 3021, 3023, 3029 3047
3000, 3003, 3040, 3041, 3042,
3052, 3059, 3062, 3068, 3075,
3093, 3094, 3106, 3136, 3162,
3174, 3175, 3199, 3201, 3203,
3206, 3212
3001, 3007, 3011, 3021 3023,
3029, 3047
3064
3051
3011, 3069, 3084, 3089, 3101,
3148, 3184, 3214, 3215, 3218
3001, 3051
3004, 3006, 3055, 3060, 3202
3211, 3213
3007, 3070, 3201
3011, 3038
3007, 3029, 3030, 3052 3211
3001, 3013, 3023, 3047, 3080,
3100, 3137, 3163, 3164, 3176,
3177, 3200
3048, 3058
3001
3064
3048, 3049, 3058, 3085, 3104,
3138, 3139, 3140, 3178, 3179,
3187, 3192, 3195, 3209, 3211,
3217
3052
3021, 3036, 3037, 3038
3002, 3021
3007
3055
3021, 3042, 3055
3053
3021, 3050
3211
3074
3011, 3029, 3030, 3038, 3096,
3098, 3099, 3102, 3103, 3141,
3142, 3149, 3165, 3166, 3167,
3168, 3180, 3182, 3185, 3210,
3219, 3220
3005, 3006, 3011
3006
3005, 3006, 3011
3001, 3011, 3021, 3023, 3047,
3052
3002
3021
3005, 3006, 3007, 3014, 3055
3048, 3051, 3058, 3064, 3072,
3097, 3119, 3143, 3144, 3186,
3196, 3198, 3202, 3204, 3211,
3213

AUDIO

Aiwa
Akai
BOSE
Carver
Denon
Harman Kardon
JBL
JVC
Kenwood
Linn
Maganvox
Marantz
Mitsubishi
Onkyo
Panasonic
Philips
Pioneer
Polaroid
RCA

5000, 5001, 5002, 5004, 5005,
5006, 5034
5083
5007
5000
5008, 5035, 5036, 5037, 5038,
5039, 5040, 5041, 5042, 5043,
5044, 5045, 5046, 5047, 5048,
5049, 5050, 5051, 5052, 5053,
5054, 5114, 5124
5000, 5009, 5055, 5056, 5142
5009
5010, 5057, 5058, 5059, 5116
5011, 5012, 5013, 5060, 5061,
5062, 5063, 5064, 5065, 5066,
5067, 5068, 5123, 5127, 5128,
5132
5000
5000
5000, 5069
5070, 5071, 5072
5018, 5073, 5074, 5075, 5076,
5077, 5078, 5078, 5079, 5080,
5081, 5082, 5084, 5085, 5086,
5087, 5130, 5131, 5140
5019, 5020, 5107, 5108, 5109,
5110, 5111, 5115, 5126
5000, 5112, 5138
5021, 5022, 5088, 5089, 5090,
5091, 5092, 5093, 5094, 5119,
5120
5141
5024, 5025, 5026, 5137

Samsung
Sansui
Sherwood
Sony
Technics
Wards
Yamaha

5139
000
5027
5017, 5023, 5028, 5029, 5030,
5031, 5032, 5033, 5095, 5096,
5097, 5113, 5117, 5121, 5125,
5129, 5133, 5134, 5136
5016, 5019, 5020, 5098, 5099,
5100, 5101, 5115, 5122, 5126
5000, 5021
5003, 5014, 5015, 5021, 5102,
5103, 5104, 5105, 5106, 5118,
5135

AMPLIFIER

Aiwa
Carver
Citizen
Denon
Fisher
GE
Goldstar
Harmon/Kardon
Hitachi
JVC
Kenwood
Maganvox
Marantz
Nakamichi
NEC
Onkyo
Optimus
Panasonic
Pioneer
Proton
Quasar
RCA
Sharp
Sherwood
Sony
Teac
Technic
Technics
Toshiba
Victor
Yamaha
Yamaha

6003, 6020
6002
6026
6014, 6039
6002
6028
6016, 6021
6013
6034
6018, 6024, 6041
6015, 6022
6035
6000
6012
6033
6005, 6006, 6017
6008
6001, 6040
6004, 6009, 6010, 6023, 6036
6035
6001
6025
6029, 6030, 6031, 6032
6011
6020, 6042, 6044
6019
6001
6001, 6040
6027
6024
6007, 6037, 6038, 6043
6037, 6038

RECEIVER

Apex
Philips
Denon
JVC
Koss
LG
Maganvox
Onkyo
Panasonic
Philips
Pioneer
RCA
Samsung
Sony
Toshiba
Zenith

4049
4019
4012
4013, 4014, 4028
4015
4041
4035
4016, 4017
4018, 4030, 4038
4027, 4039, 4042
4020, 4021, 4029
4026
4033, 4036, 4047
4024, 4031, 4032, 4034, 4043,
4044, 4045, 4046, 4048
4025, 4040
4037

COMBOs

Combination device codes are listed under the device category. For instance if you have a TV / VCR you must program the TV mode key with a valid code listed under the TV or HDTV code list for your brand. Then you must program the AUX key with a valid VCR code listed for your brand.

HOME THEATER IN A BOX

Like combination devices a Home Theater in a Box (HTIB) requires separate codes for the receiver and the DVD. For your convenience the following list provides these codes in pairs. The Receiver code begins with 4 and the DVD code begins with 2.

Brand	Receiver	DVD
Apex	4049,	2316
BOSE	4000,	2130
	4000,	2215
Denon	4012,	2216
JBL	4001,	2043

Brand	Receiver	DVD
JVC	4002,	2035
	4013,	2217
	4014,	2218
	4028,	2283
Koss	4003,	2060
	4015,	2200
LG	4041,	2303
Maganvox	4035,	2293
Onkyo	4004,	2024
	4016,	2219
	4017,	2220
Panasonic	4005,	2104
	4018,	2221
	4038,	2300
	4030	
Philips	4006,	2036
	4019,	2222
	4027,	2282
	4042,	2304
Pioneer	4007,	2016
	4020,	2223
	4021,	2224
	4029	
RCA	4008,	2042
	4026,	2281
	4008,	2161
Samsung	4033,	2294
	4036,	2299
	4033,	2295
	4047,	2314
Sony	4009,	2113
	4010,	2108
	4023,	2225
	4022,	
	4024,	2226
	4031,	2278
	4032,	2288
	4034,	2296
	4043,	2305
	4045,	2307
	4048,	2315
Toshiba	4025,	2227
Venturer	4011,	2011
	4017,	2220
Panasonic	4005,	2104
	4018,	2221
	4038,	2300
	4030	
Philips	4006,	2036
	4019,	2222
	4027,	2282
	4042,	2304
Pioneer	4007,	2016
	4020,	2223
	4021,	2224
	4029	
RCA	4008,	2042
	4026,	2281
	4008,	2161
Samsung	4033,	2294
	4036,	2299
	4033,	2295
	4047,	2314
Sony	4009,	2113
	4010,	2108
	4023,	2225
	4022,	
	4024,	2226
	4031,	2278
	4032,	2288
	4034,	2296
	4043,	2305
	4044,	2306
	4045,	2307
	4048,	2315
Toshiba	4025,	2227
Venturer	4011,	2011



MOTOROLA