

## RR3UNV MANUAL

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### Programming:

#### Quick key Brand Search

- 1) Turn on Unit manually.
- 2) Point this remote to it. Press and hold mode key (TV, DVD, or AUDIO), then press and hold corresponding brand number from below chart, after 5 seconds LED will light. Please keep holding the keys.
- 3) When TV is turned off, release the keys, the code will be saved automatically. Try most keys, if many keys are non-responsive, try doing these steps again or try one of the methods below.

#### TV Brand list

BRAND	REMOTE KEY	BRAND	REMOTEKEY	BRAND	REMOTE KEY
SONY VIEWSONIC WESTINGHOUSE	1	SAMSUNG INSIGNIA, AOC, ENVISION DYNEX KONKA	2	PHILIPS Magnavox FUNAI AUDIOVOX	3
TOSHIBA SANSUI COBY	4	JVC/SANYO FISHER Sylvania Curtis-Mathes Emerson	5	LG/GOLDSTAR ZENITH PDI AKAI SOYO	6
mitsubishi POLAROID NOBLEX	7	SHARP YAMAHA ORION EMERSON	8	PANASONIC HAIER	9
VIZIO NEC PACK OLIVIA SYNTAX KOLIN	0	HITACHI/ MITSUI	—	BROKSONIC	ENT
RCA/GE APEX PIONEER PROSCAN SCEPTRE	MUTE	DAEWOO	UP	AIWA/AKAI	DOWN
ZENITH	LEFT	PHILCO	RIGHT		

## DVD Brand list

BRAND	REMOT E KEY	BRAND	REMOTEKE Y	BRAND	REMOT E KEY
SONY	1	SAMSUNG	2	PHILIPS	3
TOSHIBA	4	JVC	5	LG	6
MITSUBISHI	7	SHARP	8	PANASONIC	9

## Code Input

Find the 4 digital codes from the TV CODE LIST:

- 1) Turn on Device manually. Point this remote to it. Press and hold mode key (TV, DVD, or AUDIO), then press and hold [POWER] key, after 3 seconds LED will light, release them.
- 2) Input the 4 digital codes. If the codes are inputted correctly, the LED will turn off. If not, the LED will flash 4 times and setting will be exited.
- 3) Test the remote control function keys. If many keys do not work, please repeat Steps above with a different code.

*NOTICE: During the whole set up process, if no key is pressed in 10 seconds the setting will be exited.*

## Automatically search

- 1). Turn on Device manually. Point this remote to it. Press and hold mode key (TV, DVD, or AUDIO) key about 7 seconds, LED will be lit. Release it. It starts to search code automatically.
- 2). When the unit is powered off, please press [OK] key to save the codes and exit the search mode.

## Manual Search

- 1) Turn on Device manually. Point this remote to it. Press and hold mode key (TV, DVD, or AUDIO), then long press [CH+] about 5 seconds, TV LED will be lit. Release the keys.
- 2) Press the key [CH+] OR [CH-], each time you press it will search once. When the channel changes, please press [OK] to

save the code.

- 3) If long press the key [CH+] / [CH-], it will search fast. When the channel changes, please release the key. Press [CH-] / [CH+] to adjust the code. If the channel changed again, please press [OK] to save the code.

*NOTE: During setting process, if no key is pressed in 10 seconds the setting will be exited automatically.*

## Learning function

- 1) Press and hold mode key (TV, DVD, or AUDIO), then long press [VOL+] about 5 seconds; the LED will be lit. Release the two keys. It is ready to learn.
- 2) Point the original remote control to **this remote**. The distance should be within 1-3 cm.
- 3) Press the function key of original remote control, the LED of **this remote** will keep flashing, then press any key of **this remote** to learn the code. The LED of **this remote** will keep light. Please repeat Step 2 to continue learning other function keys.
- 4) After learning all the keys, Press and hold mode key (TV, DVD, or AUDIO), then press [VOL-], the LED will go out. The learning will be saved.

*NOTE: During the learning process, if no key is pressed in 25 seconds the learning state will be exited without saving.*

## Identify Code

To know what codes the remote control is using:

- 1) Use TV as example, press and hold the device key [TV] firstly, then press and hold [POWER] key, after 3 seconds LED will light, release them.
- 2) Input 990 with number keys. LED will flash twice and be off.
- 3) Press 1, count indicator flashes;
- 4) Press 2, count indicator flashes;
- 5) Press 3, count indicator flashes;
- 6) Press 4, count indicator flashes.

For example, Pressing 1, LED will start to flash. The number of times the indicator light flashes this indicates the digits first code number. If code number is 0. LED will not flash.

## Sleep Key - Programming

Use this method after programming your remote, and the [SLEEP] key doesn't work or if your TV doesn't have the sleep feature.

- 1) Turn TV on.
- 2) Press and hold the [SLEEP] key on the remote until the LED lights and remains on, then release key.
- 3) Input the time you wish TV to turn off using the numerical keypad. Valid inputs would be 01 – 99 minutes. (Example: Press keys [0] then [1] for 1 minute). LED will turn off.
- 4) You must now point remote towards TV with an unrestrictive view of the TV.

NOTE: to cancel Sleep setting, press [SLEEP] or [POWER] key to exit.

## Restore to Factory Setting

- 1) Press and hold the key [TV] firstly, then long press [POWER] key about 3 seconds, LED will light. Release the keys.
- 2) Press the key [CC], the LED will flash 3 times. The factory setting is restored.

## Volume Punch-through

For example, we copy AUDIO volume control function to TV mode:

- 1) Press and hold the device key [TV] firstly, then press and hold the key [POWER] about 3 seconds; the LED is on. Release the keys.
- 2) Input 993 with number keys. LED will flash 2 times.
- 3) Press device key [AUDIO], LED will flash 2 times. Setting is saved and exited.
- 4) Now under TV mode. The volume key function is same as AUDIO mode. The TV volume cannot be controlled.

*NOTE: During the set up process, if no key is pressed in 10 seconds or other keys are press, setting will be exited without saving.*

### **Volume Unlock for all device**

- 1) It is used to unlock all volume lock setting.
- 2) Press and hold the device key [AUDIO] firstly, then press and hold the key [POWER] about 3 seconds; the LED is on. Release the keys.
- 3) Input 993 with number keys. LED will flash 2 times.

4) Press VOL+ once, LED will blink four times. Setting is saved and exit.

<b>TV Code List</b>	
TV including LCD, Plasma, & Panel	
443 (XZ)	1295
2551 (RC7T08=XZ221=RCU14)	1296
3517 (AGT)	1176
3548 (AGT)	1179
3550 (AGT)	1178
ACTION	1019
ADMIRAL	1048 1298 1299 1008 1015 1027 1072 1259 1346
ADVENT	1257 1278 1002 1034
ADVENTURA	1300
AIKO	1165 1032 1399
AIM	1143
AIWA	1019 1024
AKAI	1204 1216 1217 1255 1301 1010
AKAWA	1019 1298 1302 1303
AKIO	1076 1082 1012 1032 1033 1304
AKISHI	1010
ALARON	1298
ALFIE	1085
ALLEGRO	1072
AMARK	1304 1028 1043 1002
AMBASSADOR	1027
AMERICAN ACTION	1019
AMPRO	1015
AMTRON	1019
ANAM	1031 1014 1019 1028 1043 1305
ANAM NATIONAL	1305
AOC	1250 1251 1252 1253 1254 1301 1306 1400 1401 1402
AOMI	1365
APEX DIGITAL	1120 1269
ASAHI	1113
ASCENT (LCD)	1022
AUDIOLOGIC	1092
AUDINAC	1048 1076 1019

AUDIOVOX	1019 1020 1032 1033 1120
AUDITRON	1307
AURORA	1164
BAYSONIC	1019 1062
BELCOR	1301
BELL & HOWELL	1021 1299
BENQ (LCD)	1331
BGH	1048 1090 1104 1105 1337
BLUESKY	1166 1169 1019
BLUE LIGHT (LCD)	1007 1334
BLUE POINT	1019 1303 1304
BRADFORD	1019
BROCKWOOD	1301
BROKSONIC	1019 1026 1027 1028 1029 1031 1033 1043 1067 1071 1074 1259 1299 1302 1308 1164
BROKSONIC 1-14	1308
BROKSONIC 1-16	1031
BROKSONIC LETRAS	1027
CALCULADORA	1078
CANDLE	1301 1076
CAMIVALE	1301
CARVER	1034
CARREFOUR	1168
CCE	1022 1024 1033 1047 1057 1064 1067 1068 1073 1076
CEGESA	1162
CELEBRITY	1002
CELERA	1267 1269 1003
CENTURION	1301
CENTURY	1019 1032 1114
CETRONIC	1019
CHANGHONG	1003
CHASSIS	1039 1113
CHONGUI	1177
CINERAL	1032 1033 1048 1050 1081 1092
CITIZEN	1304 1032 1114 1259 1299 1301 1303
CLAIRTONE	1306
CLARION	1019
CLASSIC	1019
COBY	1465
COLOMBIA	1034
CONCERTO	1301

CONVERSOR	1116 1159
CONTEC	1019 1306 1403
CORONADO	1002 1114
CRAIG	1019
CROSLEY	1034
CROWN	1085 1107 1167 1002 1019 1114 1302
CURTIS MATHES	1220 1008 1009 1010 1021 1033 1034 1072 1114 1299 1301 1304 1344 1355 1404
CXC	1019
CYBER HOME	1338 1002
DAEWOO	1033 1032 1114 1120 1218 1301 1019 1002 1458 1405 1406 1407
DAYTEK	1120 1292
DAYTRON	1114 1301
DELUX	1020
DENON	1009
DIAMOUD	1139
DISH	1041 (MODEL: 100840)
DISNEY	1258
DUMONT	1087 1098 1015 1301
DURABRAND	1020 1081 1113 1141 1348
DWIN	1008 1072
DYNASTY	1019 1028 1032
DYNEX	1260 1261 1279 1278
ELECTROBAND	1002 1306
ELECTROHOME	1114 1408
ELECTROLIGHT	1322
ELECTROTUNE	1305
ELEKTRA	1011 1074 1019 1023 1032 1044 1033 1114 1218 1299 1 301 1303 1304 1326
ELEMENT	1281 1282 1283 1284
ELTEC	1342
EMERSON	1013 1026 1062 1087 1199 1014 1019 1020 1021 1023 1027 1033 1038 1114 1198 1259 1298 1301 1303 1306 1341 1343 1409 1410 1411 1412 1413 1414 1415
ENVISION	1250 1251 1252 1253 1254
ER-21613 (XZ415)	1293
FECCO	1090
FEEL-NOLOGY	1104 1105
FISHER	1021 1317 1060 1075 1077 1106 1112 1113 1180
FLO	1231
FUJITSU	1314 1320 1317

FUNAI	1012 1013 1019 1067 1198 1199 1298 1416
FUTRONIC	1113 1125 1132 1141
FUTURETECH	1019
GE	1007 1008 1010 1088 1120 1015 1017 1018 1031 1033 1043 1072 1081 1301 1305 1317 1347 1355
GFM	1013 1198 1199
GIANT	1082 1064
GIBRALTER	1015 1301
GOLDMUND	1118
GOLDSTAR	1044 1097 1183 1114 1301 1028 1417 1418 1419
GOLDTEXT	1051
GOTECH	1051
GO VIDEO	1010 1304
GRADIENTE	1005 1033 1058 1061 1063 1070 1080 1301
GRUNDIG	1054 1055 (SAT) 1056 (VIDEO) 1096
GRUNPY	1019 1298
HAIER	1348 1219 1221 1267 1268 1269 1270 1271 1272 1289
HALLMARK	1301
HANSTAI	1300
HANTEK	1019
HARMAN /KARDON	1034
HARLY DAVIDSON	1298
HARVARD	1019
HAVERMY	1072
HCI	1196 1197
HDE	1131
HELLO KITTY	1033
HITACHI	1009 1025 1089 1021 1234 1266 1083 1111 1114 1001 1172 1299 1301 1309 1310 1420 1421 1422 1423 1424 1425 1390
HIMITSU	1019 1038
HISENSE	1126 1130 1141 1154 1157 1169 1290
HITECH	1103
HP	1249
HPS	1033 1047 1064 1067
HYUNDAI	1020 1021 1108 1148 1289
ILO	1233 1349 1352
INFINITY	1034
INSIGNIA	1255 1256 1257 1258 1259 1260 1261 1277 1278 1279 1280 1470
INTEQ	1015
ITT NOKIA	1078
JBL	1034



JCB	1002
JC PENNEY	1003 1008 1114 1301 1304 1316 1317 1347 1355
JEC	1034 1298
JENSEN	1002 1034
JERROLD	1035 1036
JVC	1031 1259 1005 1426
JWIN	1104
KAWASHO	1313
KEC	1019
KENBROWN	1026
KENWOOD	1002 1301
KINGSEI	1029
KIREY	1019
KMC	1002
KOWBNOW	1081
KOLIN	1200 1201 1202 1203
KONKA	1038 1062 1086 1218 1255 1258 1350 1427 1428 1429
KOTRON	1074
KTV	1002 1019 1032 1114 1298 1302 1303 1306
KURAZAI	1299
KWORLD	1170 1294
LCD (3517)	1176
LEXUS	1020
LG	1022 1011 1044 1301 1183 1001 1358 1359 1360 1361 1299 1015 1392 1384
LODGENET	1299 1324
LOEWE	1034
LOGIK	1148 1153 1155 1299
LOWE	1010
LUXMAN	1301
LXI	1003 1008 1015 1021 1034 1072 1301 1355
MAGNAVOX	1034 1076 1114 1298 1301 1306 1317 1325 1430 1431 1432 1382
MAJESTIC	1034 1301
MATSUI	1034
MATSUSHITA	1014
MAXENT	1333
MEGATRON	1009 1028 1043 1301
MEI	1306
MEMOREX	1182 1188 1270 1014 1021 1259 1298 1299 1301 1304
MERRITT	1032
MGA	1301

MICROSONIC	1048
MIDLAND	1008 1015 1114 1317 1355
MIKADO	1010 1304
MILLROCK	1194
MIRACLE	1113
MITSUBISHI	1006 1046 1065 1082 1287 1301 1059 1072
mitsui	1023 1002 1019 1020 1038 1142 1218 1341 1343
MITACHI	1019
MONTGOMERY WARD	1002 1072 1301
MOTEVA	1012
MOTOROLA	1072 1305 1456
MTC	1019 1114 1300 1301 1304 1306
MULTITECH	1019
MUSTANG	1107 1167
NAD	1003 1301 1344
NAOKI	1037 1020
NEC	1321 1095 1301 1305 1259 1340
NEWTECH	1021
NICO	1026
NIKKO	1003 1015 1021 1032 1301
NIPPON	1301
NOKIA	1078
NOBLEX	1021 1066 1068 1084 1085 1093 1117 1158 1163 1164 1171 1173 1175 1177 1393 1389
NORCENT	1252 1269 1332
NOSHI	1316
NUEVO	1048
NTC	1032
NU-TEC	1289
OLEVIA (LCD)	1327 1202 1455
OLIVIA	1200 1201 1202 1203 1327
OLYMPIC	1048
ONCOMMAND	1323
ONKING	1019
ONWA	1019
OPTIMUS	1014 1021 1344
ONIDA	1005
OPTONICA	1072 1340 1346
ORION	1278 1026 1259 1298
PACK	1032
PACIFIC	1019

PACKARD BELL	1019 1032 1114 1299 1304
PANASONIC	1014 1069 1021 1023 1030 1031 1072 1229 1230 (ID) 1301 1304 1305 1340 1346 1454
PANATRONIC	1259 1302
PANABLACK	1014
PAXAN	1033
PDI	1183 1184 1185 1186
PHILCO	1019 1020 1025 1032 1033 1002 1009 1034 1038 1045 1052 1072 1076 1114 1259 1301 1305 1306 1317 1074 1086 1341 1343
PHILCO-VCR	1052
PHILIPS	1001 1005 1016 1339 1034 1012 1047 1050 1051 1345 1053 1057 1066 1067 1184 1187 1213 1214 1215 1222 1252 1325 1433 1382
PHILIPS RC2144	1051
PHILIPS-MAGNAVOX	1001 1005 1016 1034 1012 1339 1047 1050 1051 1053 1057 1066 1067 1184 1187 1213 1214 1215 1222 1252
PILOT	1114 1301
PIONEER	1010 1301 1309 1344 1434
POLAROID	1188 1189 1205 1206 1207 1208 1209 1210 1211 1330
POLOROID	1255 1258 1259 1278 1353
PORTLAND	1002 1032 1033 1114 1301
PRIMA	1002 1048 1260
PRISM	1034
PROSCAN	1008 1031 1248 1301 1355
PROTON	1301 1457 1435
PROVIEW	1281 1282 1283 1284
PULSAR	1015 1301
PXCATV	1100 1102
QUASAR	1014 1031 1305 1340 1346
RADIO SHACK	1002 1008 1019 1021 1114 1301 1340 1346 1355
RANSER	1119
RC123 (AGT)	1109
RCA	1007 1008 1017 1018 1115 1120 1297 1301 1305 1309 1316 1317 1010 1033 1072 1090 1344 1355 1356 1357 1362 1363 1364 1436 1437 1438 1439 1440 1441 1442 1443 1444 1386
RCA HOTELERO	1017
RCONWA	1086
RC27T08	1296
RC-Y35 (NAN 2)	1152
REALISTIC	1019 1021 1114 1301 1340 1346
RINEX	1107
RECCOR	1144

RHAPSODY	1306
ROOMCONX	1354
ROYAL	1034 1341
ROYAL OROWN	1302
ROWA	1124
RUNCO	1015 1299 1301 1351
SAMPO	1114 1301
SAMSOUN	1073
SAMSUNG	1010 1088 1042 1066 1068 1074 1078 1114 1301 1304 1312 1315 1002
SAMSUX	1114
SANSUI	1090 1122 1123 1137 1259 1278 1291
SANYO	1021 1060 1075 1077 1106 1112 1113 1180 1285 1286 1319 1019 1317
SCEPTRE	1385
SCIMITSU	1301
SCOTT	1019 1026 1114 1298 1301
SEARS	1003 1008 1012 1021 1032 1034 1114 1298 1301 1304 1317
SEMIVOX	1019
SEMP	1049 1121 1003
SENROR	1373
SENSEI	1033
SHARP	1004 1040 1072 1095 1114 1160 1161 1287 1298 1301 1340 1346 1445 1446
SHENG CHIA	1072
SHOGUN	1019 1298 1301 1304
SHIMASU	1298
SIGNATURE (2000)	1027 1072 1299 1301
SIMILAR	1048
SIMPSON	1317
SINGER	1012 1032 1033 1034 1304
SONIC	1144
SONY	1002 1311 1212 1395 1383 1381
SONY 2-13 CHAN	1002 1311
SONY PANTALLA	1002
SONY RM-720	1002
SONY TRINITRON MENU	1002
SONY TRINITRON SELECT	1002
SONY WEGA MENU	1002
SOYO	1235 1236 1237 1238 1239 1240 1241 1242 1243 1244 124512 46 1247

SOUNDESING	1019 1298 1301
SPECTRICON	1028
SQUAREVIEW	1012 1447
SSS	1019 1301
STARLITE	1019
SUPERSONIC	1019 1285
SUPREME	1002
SVA	1091 1269
SYLVANIA	1198 1199 1012 1013 1034 1114 1301 1306 1317 1448
SYMPHONIC	1198 1199 1012 1013 1019
SYNTAX	1200 1201 1202 1203
S/M (LCD)	1265 1335 1336 1453
T-07 (NAN 2)	1142
TAHOCI	1094
TANDY	1072
TAKATA	1181
TAKUMN	1261
TATUNG	1305
TCL	1090 1128 1386
TECHNOL ACE	1298
TECHNOVALLEY	1019 1032 1259 1301 1304 1303
TECHNICS	1014 1015 1031
TECHWOOD	1032 1298 1301
TEDELEX	1145 1146 1147 1149 1150
TEKNIKA	1019 1032 1034 1114 1298 1299 1301 1304
TELEFUNKEN	1063 1079 1088 1099 1101 1127 1129 1133 1134 1135 1136 1138 1140 1150 1156 1289 1291 1301 1010
TELERENT	1299
TERA	1378
THOMSON	1110
THORENS	1019 1028 1309
TLC	1002 1090
TMK	1027 1301
TNCI	1015
TOSAKI	1039
TOPHOUSE	1057 1092 1113
TOSHIBA	1003 1380 1039 1049 1072 1174 1232 1288 1304 1321 1021
TOSONIC	1306
TOTEVISION	1114
TVS	1259
TRUTECH	1191 1192 1193

ULTRA	1076
UNIREX	1019 1298 1341
VEA (LCD)	1335
VECTOR RESEARCH	1301
VERTEX	1248 1292
VICTOR	1005
VIDTECH	1301
VIDEOLOGIC	1032
VIDIKRON	1034
VIEWSONIC	1195 1262 1263 1264 1265 1266 1251 1273 1274 1275 1276
VIORE (LCD)	1145 1464
VIZIO	1187 1189 1190 1466 1467 1468 1469
VTECH	1159
WARDS	1003 1034 1298 1299 1301 1317 1340 1344 1346 1347 1449
WAYCON	1003
WHARFADA	1151
WESTINGHOUSE	1002 1223 1224 1225 1226 1227 1228 1398 1396 1464
WHITE WESTINGHOUSE	1033 1259 1298
XR 1000	1299
YAMAHA	1301 1318
YORK	1301
YUPITERU	1019
ZENITH	1015 1252 1032 1076 1259 1299 1301 1450 1451 1452 1384
ZENITH CONCIERGE	1015
ZONDA	1028 1033 1057 1072 1081 1114 1289 1301 1303 1304 1340 1342

## SAT DEVICE

### Accessory/Streaming Player Code List

Access HD	2117
Airlink 101	2118
Alpha digital	2117
AMTC	2117
Apex digital	2082
Apple	2119
Artec	2120
Asus	2121
Boxee	2151

CASTi	2122
Centronics	2123
Channel master	2124
Cisco	2005
Coby	2125
Coship	2126
Daewoo	2127
Daytek	2122
Digital stream	2128
Digiwave	2123
Dish Network	2129
D-link	2152 2153 2154 2155 2151
Echostar	2129
Epson	2130
Evolution	2131
Firebird system	2123
GE	2123 2132
Goodmind	2123 2132
Gridlink	2133
Insignia	2134
Iomega	2148 2156
Laconic	2133
LG	2150 2134
Logitech	2157
Magnavox	2135 2130
Memorex	2136
Micca	2131
MicroGEM	2137
Microsoft	2138
Netgear	2139 2158 2159 2160 2161
Patriot	2162
Philco	2130
Popcorn Hour	2140
QNAP	2163
RCA	2142 2007 2141
Roku	2101 2143
RTC	2123
Samsung	2144 2088
Sansonic	2133
Seagate	2145
Scientific Atlanta	2005

Sony	2146
Sunkey	2147
Sylvania	2130
Tivax	2117
Ventura	2141
Venturer	2141
Vizio	2164
Western digital	2148
Windows media center	2168
Winegard	2141
Xbox	2138
Xbox one	2166 2167
Xtreamer	2165
Zenith	2134
Zentech	2118
Zinwell	2149

### Satellite Set Top Box Code List

Bell ExpressVu	2100
DirecTV	2096 2097 2007 2083
Dish Network	2100
Dishpro	2100
Echostar	2100
Expressvu	2100
GE	2083
General Instrument	2104
GOI	2100
HTS	2100
Hughes Network Systems	2096
Jerrold	2104
JVC	2100
Motorola	2104
Next Level	2104
Proscan	2007 2083
Radio Shack	2104
RCA	2007 2083 2105
Samsung	2096



Shaw Direct	2104
Star Choice	2104
Voom	2104

### Satellite Set Top Box Code List

ADB	2106
Amino	2107 2108 2109 2110
Arris	2111
AT&T	2112
Bell	2113
Bright House	2004 2005
Cable One	2004 2005
Cablevision	2004 2005
Charter	2004 2005 2111
Cisco	2005 2112 2004 2114 2115 2116
Comcast	2004 2005 2114 2111
Cox	2004 2005
Digeo	2111
i3 Micro	2107 2109
Insight	2004 2005
Knology	2005
KoolConnect	2108
Mediacom	2004 2005
Motorola	2004 2112 2114 2113
Moxi	2111
MTS	2113
Myrio	2107 2109
Pace	2004 2005 2114
Panasonic	2114
Pioneer	2005
RCN	2004
Rogers	2005
Samsung	2005
Sasktel	2113
Scientific Atlanta	2005 2112 2114 2115
Segin	2107
Shaw	2004

Suddenlink	2004 2005
SureWest	2108 2113
Telus	2115
Thomson	2114
Time Warner	2004 2005 2111
Verizon	2004
Videotron	2005
WideOpenWest	2005

### IPTV Code List

ADB	2106
Amino	2108 2110
AT&T	2112
Bell	2113
Cisco	2005 2112 2004 2114 2115 2116
KoolConnect	2108
Motorola	2004 2112 2114 2113
MTS	2113
Sasktel	2113
Scientific Atlanta	2005 2112 2114 2115
SureWest	2108 2113
Telus	2115
Verizon	2004

**SAT Code List** (include DIRECTV DIRECTV HD DIRECTV DVRS)

3521(AGT)	2067
3570(AGT)	2011
ADMIRAL	2071 <sub>(XJ3197=3198)</sub>
AMPLIMATIC	2027 <sub>(RP500)</sub>
ANTINA	2076 <sub>(XJ3573)</sub>
AUDINAK	2036
CABLEVISION	2001 2002 2003 2004 2058 <sub>(IRT-100S)</sub>
CENTURY	2009 <sub>(USR1900)</sub> 2012 <sub>(USR1700)</sub> 2033 <sub>(USR1800)</sub> 2053 <sub>(IRC068)</sub>
CMEMOREX	2072
COMCAST	2099
CONV	2069 <sub>(RC09)</sub> 2074
CONVERSOR	2010
COSAT	2045 2029
CQ—B370R	2038
CROMUS	2032 <sub>(CBR-2000)</sub>
DDA	2052 <sub>(2000)</sub> 2049 <sub>(3000)</sub>
DIRECTV all models	2096 2097 2098
DISHNETWORK	2100
DRAGON	2045
DSTV	2062 <sub>(301018)</sub> 2063 <sub>(3010104)</sub>
ELECOM	2023 <sub>(7007)</sub> 2024 2025
FALCOM	2036
FRESAT	2016 <sub>(SRE-300)</sub> 2017 <sub>(SRE-350)</sub> 2018 <sub>(SRE-400)</sub> 2019 <sub>(SRE-3000)</sub> 2020 <sub>(3000PLUS)</sub> 2021 <sub>(300PLUS)</sub> 2022 <sub>(SRE-500)</sub> 2035
GE (models GRD33G2A/33G3A/122GW)	2083 2007
GENERAL INSTRUMENT	2008
GMI	2060 <sub>(C0963)</sub>
GRADINER	2055
GRADIENTE	2002 <sub>(GSD600)</sub> 2003
GRADCOM	2041 <sub>(GR3000)</sub>
GRUNDIG	2081
HICON	2023 <sub>(2800)</sub>
HITACHI(mode 61HDX98B)	2085
HNS(mode HIRD-E8 HTL-HD)	2006 2091
HUGHES Networks Systems	2006 2082
INFOCUS	2066 <sub>(XJ3180)</sub>
INSTRUMENT	2008

INTELSAT	2031 2028 2012
JERROLD	2057(RMC550C) 2004(RC200) 2008(UR-T700) 2079
LG	2006(LSS-3200A)
MEGACABLE	2065(XJ3153=3162)
MITSUBISHI	2006 2082(model SR-HD5)
MOTOROLA	2004 2073 2013
MULTICHOICE	2062(301018) 2063(3010104)
NEGRO	2013
NET	2050(DCC5200) 2044(DCC4000)
NOSTEC	2043(RXC-5)
ORBISAT	2034(SS-2000)
ORITRON	2054
PACE	2005 2077
PHILIPS	2001 2070 2078
PHILIPS (DSX5500 DSX5400)	2001 2006(DSHD800R)
PHILIPS(DSR704/708/6000/600R/700)	2091 2095
PIONEER	2005 2075
PLASMATIC	2030(RP600/L)
PRESAT	2012
PROSAT	2046
PROSCAN(PRD8630A/8650B)	2083 2007 2090(PSHD105)
QUASAR	2039(QA9800) 2040(QA9700) 2037(9800-L) 2046 2047(9800P) 2048(9800PLUS)
RCA	2007 2083 2091 2090(DWD490RE/496RG)
RCA(model DTC-100/DTC-210)	2007 2091(DVR39/40/80/120)
SABIN	2076
SAMSUNG	2033(ASR5350) 2084(SIR-S60W) 2089(SIR-S70/S75/S300 W/S310W)
SAMSUNG	2088 (model SIR-TS360) 2092(model SIR-TS160)
SAMSUNG	2091(SIR-S4040R/4080R/4120R)
SANTA	2035
SCIENTIFIC ATLANTA	2005
SKARDIN	2035
SKYBLUE	2001 2002 2003 2007 2080
SOLELE	2074
SONY	2042 2093 2094
SONY(models SAT-HD100/200/300)	2042
TECSAT	2015(T-3200) 2014(TRC-18) 2056(T7500) 2026
TEDELEX	2061(RC95B)
TELMEX	2068
THOMSON	2007

TOCOM	2008
TOPTV	2064
TOSHIBA(DST-3000/3100 DW65X91)	2006 2087
TVA DIGITAL	2059
URUGUAY	2013
VISIONTEC	2036(VT-1000C)
VISON	2051
ZENITH	2013 2086(DTV1080 HD-SAT520)

### BLUE — RAY DVD Code List

LG	3057
PANASONIC	3021
PHILIPS	3387
SAMSUNG	3384
SONY	3386
TOSHIBA	3385
VIZIO	3388 3389 3390 (AUDIO)

DVD CODE LIST	
444(XZAGT)	3195
2889(AGT-RC207)	3094
3154(AGT)	3119
3158(AGT)	3116
3159(AGT)	3115
3160(JXB502B AGT)	3117
3161(AGT)	3118
3169(AGT)	3121
3175(AGT)	3122
3176(AGT)	3123
3179(AGT)	3124

3189(AGT)	3130
3501(AGT)	3180
3511(AGT)	3181
3529(AGT)	3066
3531(DVP-418=RC275)	3183
3555(DRC-979)	3197
ACOUSTECH	3049(XJ2656=RC226)
ADMIRAL	3085 3042 3101 3037 3035 3029(XJ2758=RC203)
AIKO	3201
AIWA	3202 3271 3199(RC-ZAS01)
AKIRA	3110
AKISHI	3040
AKUSTIC	3201 3203 3272 3180
AMSTR	3175
AMW	3011
ANAM	3273
APEX DIGITAL	3031 3208 3264 3274 3275 3276 3277 3278 3279
APL-1301	3129(RM-EH-1)
APL-1304	3132
APL-1307(APL-1377)	3128
APL-1312	3131
APL-1313	3130
APL-1365	3143(DVD-K1250)
ASAHI	3064(XJ3110=RC241)
AUDIO 850	3104(XJ3142)
AUDIO LOGIC	3091 3196 3075 3061 3056 3174(VCD2.0/3.0 KF330100)
AUDIOVOX	3204 3276 3280
AVORCENT	3106
AZULADO	3107
B&K	3281
BALANCE	3236
BASIC LINE	3097(XJ3116=RC248)
BGH	3185 3176(MK-DX350) 3065
BLAUPUNKT	3276
BLUE LIGHT	3282
BLUE PARANE	3043
BLAZE	3035
BLUESKY	3050(AV-1001P) 3036(DVD-3010)

BOSS	3282
BOWMAR	3049 <sub>(XJ2656=RC226)</sub>
BRITANIA	3136 3141 3142 3134 <sub>(HT5000)</sub> 3093 3080 3074 3062 <sub>(APL-1360)</sub>
BROKSONIC	3260
CA-002	3152
CAMBRIDGE SOUNDWORKS	3283
CANDI	3157
CCE	3016 3017 <sub>(90X)</sub>
CEGESA(CD)	3002 <sub>(XJ3547)</sub>
CENTURY	3088
CHIQUITITO	3185
CINEVISION	3284
CLARION	3285 3286
CLASSIC	3205 3143 3026
COBY	3206 3287 3056 3099 3098 3090
COLUMBIA	3040 3031 3288 3289
CREATOR	3028
CYBER HOME	3207 3290 3291 3126 <sub>(RMC-3002)</sub>
DAEWOO	3055 3100 <sub>(XJ2973)</sub> 3196 3208 3209 3210 3211 3212 3055 3265 3026 3292 3293 3236 3093 3294 3114 3097 3295 3157 3040 <sub>(DVDP480)</sub>
DAYTEK	3055 3100 <sub>(XJ2973)</sub> 3196 3208 3209 3210 3211 3212 3055 3265 3026 3292 3293 3236 3093 3294 3114 3097 3295 3157 3040 <sub>(DVDP480)</sub>
DAIHATSU	3111 3031 <sub>(XJ2800=RC205)</sub>
DASER	3028 <sub>(XJ2815=RC202)</sub>
DATSUN	3070 3004 <sub>(CD)</sub>
DENON	3392 3393 3214 3021 3383
DESAV	3085
DIGITECH	3144 <sub>(DVD-2500)</sub>
DIGIX MEDIA	3215 3296
DMTECH	3297
DR.HANK	3131
DTX	3298
DURABRAND	3084 3069 3044 <sub>(DB-1700)</sub>
DVD	3213 3299 3300 3093 3301 3055 3078 3248
DVD-2000	3235
E—SONIC	3147 <sub>(JX-2055E)</sub>

ECCO	3141
ELECTRON	3303
ELEKTRA	3212 3139 3304 3201 3305 3306 3307 3216 3217
ELTEC	3178
EMERSON	3156 3057 3236 3308 3309 3310
ENCORE	3130 3027 <sub>(XJ3508)</sub>
ENTERPRISE	3057
EOLITE	3034 <sub>(DVD-4216)</sub>
FISHER	3218 3052
FOSTON	3140 <sub>(FS-836)</sub>
FUNAI	3394
FUSSION	3219 3117
FUTURETECH	3311
GE	3220 3312 3276
GEBERAK SOUND	3313
GLOBALBOME	3058 <sub>(XJ2803=RC236)</sub>
GOLDSTAR	3022 <sub>(VCR)</sub>
GOTECH	3062 3085
GO VIDEO	3221 3222 3057
GPX	3223 3230
GRADIENTE	3078 <sub>(HTS-420)</sub> 3079 <sub>(HT-500)</sub> 3081 <sub>(HTS-641)</sub> 3230 3137 <sub>(GV412)</sub> 3133 3082 3005 <sub>(CD)</sub> 3276 3314
GREENHILL	3276 3314
HAIER	3112
HARMAN/KARDON	3224 3315
HARMONY	3316 3317
HISENSE	3167 <sub>(DV-8200T)</sub>
HISHI	3095 <sub>(XJ2888=RC267)</sub>
HITACHI	3395 3254 3299 3038
HITEKER	3031 3318
HITPLUS	3169 <sub>(DV-P831HDMI)</sub> 3074
HOWLAND	3093
INOTECH	3145
INTEGRA	3244 3319
IRT	3222
ISEL	3320 3321
ITT	3020 <sub>(VCR)</sub>
JBL	3224 3040
JC PENNEY	3322



JVC	3396 3059 3323 3324 3325
JWIN	3194 <sub>(RC600)</sub> 3127 3072 3053 3041 <sub>(JD-VD501)</sub>
KENWOOD	3397 3021 3225 3226 3209
KLH	3276 3280
KONKA	3227 3326
KOSS	3230
LAFAYETTE	3228
LASONIC	3229 3156 3292
LENOXX	3139 <sub>(DV-401)</sub> 3135 <sub>(APL-1338)</sub>
LG	3057 3138 3137 3161 <sub>(32C/32E)</sub> 3022 <sub>(VCR)</sub> 3005 <sub>(CD)</sub> 3108 3410
LINITRON	3230
LOGIK	3168 <sub>(DV8880)</sub> 3165 <sub>(DVD-313)</sub>
LUFSOHN	3208
MAGNAVOX	3226 3299 3327 3006 <sub>(CD)</sub>
MAIESTIC	3231 3031 3211 3288 3328
MALATA	3329
MARANTZ	3232 3077 3233
MATRIX	3276
MEGA TANSS	3234
MICRO SOFT	3220
MINTEK	3276
MIRAGE	3048 3330
MITSUBISHI	3398 3235 3043
mitsui	3201 3211 3331 3332 3328 3333 3334 3012 3236 3237
MITZU	3201 3335
MONTGOMERYWARD	3336
MTB	3238 3239
MUSTEK	3143
NAKAMICHI	3240
NAOKI	3297 3308 3125
NAPA	3241 3242
NESA	3276
NISATO	3060 <sub>(AGT-RC245)</sub>
NOBLEX	3055 3083 3179 <sub>(DVD-1553)</sub> 3046 <sub>(XJ2806=RC220)</sub>
NOKIA	3020 <sub>(VCR)</sub>
NORCENT	3243 3292 3319
NOSE	3122
OMEGA	3171
OMIYA	3086 <sub>(XJ2765=RC256)</sub>

ONKYO	3399 3499 3491 3244 3245 3226 3319
ORITRON	3230 3078
OZAKI	3302
PANASONIC	3392 3402 3021 3051 3156 3337 3338 3198(N2QAHB000051) 3018(TC-14G7) 3015(G-21)
PIONEER	3043(VXX2702) 3008(VCD) 3003(VCD)
PHILCO	3026 3009 3228 3124 3062 3246 3339 3275 3048 3280 3340 3260 3341 3247 3070 3184 3016(VHS) 3012(PCR-105) 3013(PCR-91) 3014(PCR-29)
PHILIPS	3413 3412 3001 3037 3233 3249 3250 3248 3071(HD) 3187(USB) 3188(AUX) 3189(CD) 3190(TUNER/FM) 3191(TAPE) 3007(VCR) 3226 3232 3077 3342 3059 3343 3344 3327 3387(BD) 3345
PHILIPS KARAOKE	3248
PIONEER	3403 3404 3405 3043 3021 3201 3346
POLK AUDIO	3232
PORTATIL	3098(XJ2987)
POWER SOUND	3201
PRECISION	3093
PREMIER	3103(SX-1475D) 3092 3087(SX-1457D)
PROIMAGE	3228
PROSCAN	3220
PROSONIC	3201
PROTRON	3106
QWESTAR	3230 3347
RALLY GOLDEN	3201
RANSER	3063 3056 3028(XJ2815=RC202)
RCA	3406 3062(AGT-RC239) 3113 3220 3182 3192(VCR) 3039(XJ2816=RC213) 3043 3276 3280 3348 3327
ROADSTAR	3177
ROTEL	3059 3349
ROWA	3350 3351
ROYAL	3228 3247 3352 3353 3288 3289
RYSOUND	3110
RZ-9780AVD	3150
SAMPO	3291 3354 3355
SAMSUNG	3038 3120 3251 3173(AK59-00104R) 3020(VCR) 3407 3221 3356 3357 3358 3359

SANSUI	3170 <sub>(RZ-9150AVD)</sub> 3169 <sub>(RZ-9730VT)</sub> 3158 3159 <sub>(RZ-9730AVD)</sub> 3162 <sub>(DVD100T)</sub> 3156 <sub>(DVD-638c)</sub> 3054 <sub>(DVD-3180B)</sub> 3260 3360
SANYO	3052 3218 3033 3051 3073 3019 <sub>(B01003)</sub> 3260 3264 3202 3361
SAPITECH	3105
SEARS	3362
SEMP	3077
SHARP	3408 3252 3253 3254 3363
SHERWOOD	3364
SHINSONIC	3045 3220 3365
SILO	3174 3366
SINQTEC	3172 <sub>(DVD-3022HDMI)</sub> 3166 3148 <sub>(MP-600)</sub> 3060 <sub>(M P-800)</sub>
SKYWORTH	3367
SMC	3255 3368 3369
SONICO	3025
SONY	3045 3256 3089 <sub>(XJ2767)</sub> 3200 <sub>(AUDIO)</sub> 3271 3409
SOUND TRACK	3257
SPELER	3139
SUNGALE	3370
SUPERSONIC	3228 3258 3247
SUZUKI	3093
SYLVANIA	3299 3371 3372
TCL	3068
TEAC	3259
TECHINCS	3021
TEDELEX	3164 <sub>(TE-4208TDVD)</sub> 3160 <sub>(TE-5025AVD)</sub> 3153 <sub>(TE-S5208T DVD)</sub> 3154 <sub>(TE-303AVD)</sub> 3146 <sub>(TE-4020AVD)</sub> 3142 3090 <sub>(TE-S3208DVD)</sub>
TELEFUNKEN	3163 <sub>(THT-125)</sub> 3155 <sub>(THT-112B)</sub> 3151 <sub>(THT-011)</sub> 3149 <sub>(THT-160B)</sub> 3065
TEYK	3111
THETA DIGITAL	3043
TKT-934(XZ370)	3186
THOMSON	3411 3220 3373
TOKUMO	3060 <sub>(DVD-8811)</sub>
TOPHOUSE	3193 <sub>(DVD-1800)</sub> 3076 3032 3030
TOP TEC	3230 3374
TOSAKI	3139 3174
TOSHIBA	3077 3260 3226 3375 3337 3376 3377

	3401
TREDEX	3238 3378 3369
UNIREX	3261 3335
UNITRON	3230
URBAN CONCEPTS	3226
VCD 2	3201
VENTURER	3280
VIDEO CD	3262 3263 3264 3265
VIVO VISION	3292
VOX	3266 3057
VSONIC	3236 3102
WATSON	3125 3024 <sub>(XJ2771)</sub>
WEGA TANSS	3201 3379
WINCO	3108 <sub>(DVD-615)</sub>
WINS	3054 <sub>(WS-3700N)</sub> 3023 <sub>(XJ2770=RC200)</sub> 3025
XBOX	3220
X-VIEW	3109 3102 <sub>(RC500)</sub> 3090 3067 <sub>(AGT-RC244)</sub>
YAMAHA	3413 3391 3392 3412 3021 3233 3267
YAMAKAWA	3096 3268
YAMASAKI	3268
ZENITH	3226 3057
ZONDA	3269 3270 3021 3232 3233 3267 3380

VCR CODE LIST	
ADMIRAL	5058
AIWA	5059 5060 5061 5008
AKAI	5001 5002 5003
AUDIO DYNAMIC	5055 5057
BELL&HOWELL	5056
BLAUPUNKT	5004 5005
BROCSONIC	5006
BUSH	5001
CANON	5004 5007
CGM	5059 5009
CITIZEN	5059
CRAIG	5059

CURTIS MATHIS	5060 5007 5010
DAEWOO	5007 5011 5012
DBX	5055 5057
DIMENSIA	5010
EMERSON	5006 5011
FISHER	5056 5013
FUNAI	5060
GE	5007 5010 5053
LG/GOLDSTAR	5059 5054
GOODMANS	5011 5014
GRUNDIG	5009 5015
HITACHI	5004 5010 5023 5016 5017
INSTANT REPLAY	5004 5007
ITT/NOKIA	5056
JC PENNY	5055 5056 5057 5007 5010 5023
JVC	5055 5057 5018 5019 5020 5021
KENDO	5059
KENWOOD	5055 5057 5059
LOEVE	5059 5014
LUXOR	5058
LXI	5056 5059 5060 5013 5023
MAGNAVOX	5004 5005 5007
MARANTZ	5055 5057
MARTA	5059
MATSUI	5059
MEMOREX	5007 5013
MINOLTA	5010 5023
mitsubishi	5062 5018 5022 5031 5024 5025
MULTITECH	5060 5022 5026
NEC	5055 5057 5018 5049
NOKIA	5056 5058
NOKIA OCEANIC	5058

OKANO	5002
OLYMPIC	5004 5007
ORION	5006
PANASONIC	5004 5007 5027 5046 5050 5051 5052
PENTAX	5010 5023
PHILCO	5004 5007 1052
PHILIPS	5004 5005 5007 5014 5028 5029

PHONOLA	5014
PIONEER	5004
QUASAR	5004 5007
RCA/PROSCAN	5004 5005 5007 5010 5012 5023 5030 5039
REALISTIC	5056 5060 5007 5013 5031 5032
SAMSUNG	5026 5030 5033 5034 5035 5036
SANSUI	5057
SANYO	5056 5013 5037
SCHNEIDER	5014
SCOU	5062 5012 5013 5022 5031 5024 5026 5030
SELECO	5001
SHARP	5058 5032 5048
SIEMENS	5056
SIGNATURE 2000	5058 5060
SONY	5038 5047 5040 5041 5042 5043
SYLVANIA	5060 5004 5005 5007
SYMPHONIC	5060
TANDBERG	5011
TASHIRO	5059
TATUNG	5055 5057
TEAC	5055 5057 5060
TECHNICS	5004 5007
TELEFUNKEN	5044 5045
THORN	5056 5059
TOSHIBA	5012 5039
UNIVERSUM	5059 5006 5044
W.WHOUSE	5059
WARDS	5058 5059 5013 5032
AUDIO/CD/AMP/TUNER /MD/MD /MD-R/RECEIVER CODE LIST	
AIWA	4015 4009 4036
ALPINE	4014

AMW	4038
CARVCR	4039
CEGESA	4010
DAEWOO	4040
DATSUN	4012
ELECTROLIGHT	4016
FISHER	4041 4017
GATEWAY	4042
HITACHI	4041
INITIAL	4043
JVC	4018 4019 4020 4035(CAR)
KENWOOD	4021 4022 4034(CAR)
LASONIC	4044
LG	4046 4002 4045
MAGNAVOX MICRO-SYSTEM	4013
PANASONIC	4008 4023 4024
ONKYO	4050(CD) 4051(TUNER) 4052(NET) 4053(USB) 4054(BLUETOOTH) 4055(RECEIVER) 4056(ZONE2) 4057(ZONE3)
PIONEER	4025 4026 4027 4011 (CAR) 4032 (CAR)
PHILCO	4040
PHILIPS	4003 (USB) 4004 (AUX) 4005 (CD) 4006 (TUNER) 4007 (TAPE)
RCA	4037
SAMSUNG	4028 4047
SANSUI	4044
SANYO	4041 4048
SHARP	4029 4030 4031
SHARPER IMAGE	4049
SHERWOOD	4042
SHINSONIC	4043
SONY	4001 4033 (CAR)
VIZIO	3390
YAMAHA	4058(CD) 4059(AMP) 4060(MD) 4061(CD-R) 4062(TUNER)
ZENITH	4045

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