

# BLU-LINK™

UNIVERSAL REMOTE  
CONTROL

for PlayStation® 3





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# Agency Certifications

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USA - FCC CFR 47 Part 15, Subpart B and C

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.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- \* Reorient or relocate the receiving antenna.
- \* Increase the separation between the equipment and receiver.
- \* Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- \* Consult the dealer or an experienced radio/TV technician for help.

Operation with non-approved equipment is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

Canada - IC RSS-210, ICES-003

This Class B digital apparatus complies with Canadian ICES-003. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Europe - Declaration of Conformity

We, SMK-Link Electronics declare under our sole responsibility that the product, VP3700 Blu-Link Universal Remote Control, to which this declaration relates is in conformity with the following standards or other normative documents:

Art.3.1(a): EN 60950-1:2001

Art.3.1(b): EN 301 489-17 v1.3.2, EN 301 489-1 v1.8.1

Art.3.2: EN 300 328:2006(V1.7.1)

Following the provisions of 1999/5/EC,R&TTE directive.

European RoHS DIR 2002/95/EC

## Legal Information

Blu-Link, SMK-Link and the SMK-Link Logo are trademarks of SMK-Link Electronics corporation. Sony, PlayStation and PS3 are trademarks or registered trademarks of Sony Computer Entertainment Inc.. Bluetooth is a trademark or registered trademark of Bluetooth SIG Inc. All other trademarks are trademarks or registered trademarks of their respective holders.

# Getting Started - Overview

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Before you begin, please insert two AA batteries as labeled on the remote control.

## Control 6 different Devices

Blu-Link™ Universal Remote Control controls up to six different devices. One of the device buttons is reserved for the PlayStation® 3, the other buttons can be programmed to control a TV, VCR, DVD, Cable Box, DVR, Satellite Box or Surround Sound system.


## Setting up the perfect system

Many universal remote controls don't offer all of the features of the stand alone remote controls that come with your equipment. People often keep 3 or 4 remote controls on their coffee table because of some obscure functions that they just couldn't live without. Blu-Link™ avoids the problem of redundant remotes by having 50 programmable buttons that can be set by entering a 4-digit device code, by "learning" from the original remote control or both.

## Setting up the Remote for PlayStation® 3

Your remote has a dedicated Bluetooth radio that is used to communicate with the PlayStation® 3. In order to control your PS3, the remote must first be registered with your console.

Registering Blu-Link™ remote with PS3


**Step 1:** On Blu-Link, press the PS3™ device button  on the top row of the remote.

**Step 2:** Make sure there is no game or movie in the PS3™.

Using your game controller, press the PlayStation® button





to turn on your PS3™. The PS3™ will boot to the control panel.

**Step 3:** Navigate over to **Settings**  on the horizontal menu using the game controller.

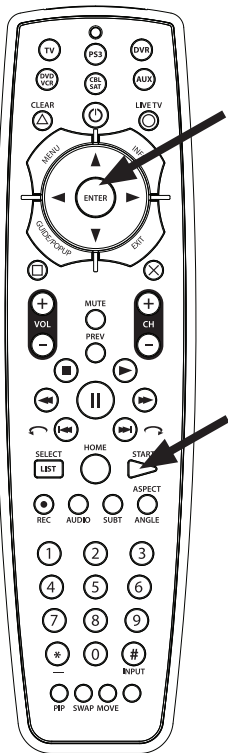
**Step 4:** Navigate down to **Accessory Settings**  on the vertical menu. Press  to select.

**Step 5:** Navigate down to **Register BD Remote Control**.  
Press  to select.

**Step 6:** On Blu-Link, press and hold the Start and Enter buttons at the same time. The PS3™ device button on the remote should light while holding these buttons. If it does not light, press the PS3™ device button  and try again. After a few seconds the PS3™ should recognize the remote and complete registration.

**Step 7:** After the PS3™ is done registering your remote, press the  button on Blu-Link™ to go back to the control panel. Verify that the remote control is working.

You can now play movies and control your PlayStation® 3 with Blu-Link™.



## Setting up the Remote for other devices

It is recommended that you set up your TV first. Blu-Link™ can control five components in addition to the PlayStation® 3. Blu-Link™ has buttons labeled for TV, DVR, DVD/VCR, Cable/Satellite, and Audio. While the buttons are labeled for these functions, that is for clarity only. For example, you could program a VCR into any device button other than the PS3™ button.

### Four-Digit Code Set-Up Method

**Step 1:** Turn on the device you wish to program into your Blu-Link™ remote using the remote that came with that device.

**Step 2:** Find the four-digit code numbers assigned to your brand of device from the list in the back of this manual. The codes are listed by device type and then by brand name. If you do not see the brand of your device, please look online at [www.Blu-Link™.com](http://www.Blu-Link™.com) for the complete list of four-digit codes.

**Step 3:** Enter setup mode by holding the device button down for approximately 3 seconds. After 3 seconds all of the device buttons will blink to confirm that you are in setup mode.

**Note:** You have 10 seconds to perform each of these steps. If you do not finish within 10 seconds, the device button light will turn off and setup mode will be exited. You will then need to start over.

**Step 4:** Enter the four-digit code. If it is a valid code, after the 4th digit is entered, any prior device will be removed and it will be set with new code. This removes any “learned” keys as well. If the code is not valid, the device button will flash 4 times. Either way, the device button will turn off and you will exit setup mode.

**Step 5:** Point Blu-Link™ towards your device and press the power button. If you have the correct code, the device should turn off. If the device didn't turn off, please look up the next code and return to step 3 until you have tried all four-digit codes for your brand of device.

**Step 6:** Sometimes more than one code will control your device. Test the other buttons on the remote control. If functions aren't working correctly, try the other device codes until you have selected the best code for your device.

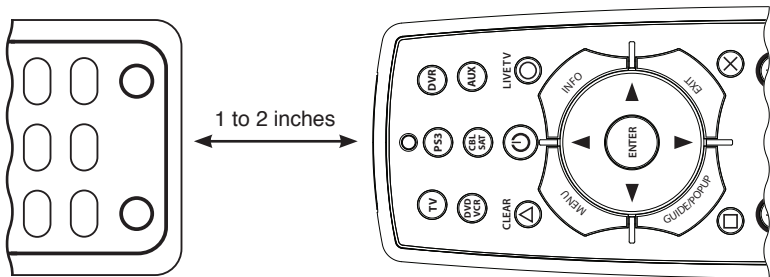
**Notes:** Even if all buttons aren't doing exactly what you want, Blu-Link™ can “learn” buttons from other remotes and can be customized as desired.

**Step 7:** Repeat steps 1-6 for your other devices.

## Learning and Teaching Set-Up Method

You can either start from a blank device and “learn” all the keys or you can start with a four-digit device code and customize it to meet your needs.

**Step 1:** Line up Blu-Link™ with the remote you want to “learn” from, head to head about one to two inches apart on a solid surface. See diagram.



**Step 2:** Enter setup mode by holding the device button down for approximately 3 seconds. After 3 seconds all of the device buttons will blink to confirm that you are in setup mode.

**Step 3:** Press Rec  button to enter “learning” mode.

**Note:** You have 20 seconds to perform each of these steps. If you do not finish within 20 seconds, the device button light will turn off and setup mode will be exited. Learned keys will be retained but to learn additional keys you will need to re-enter “learning” mode.

**Step 4:** Press the key on Blu-Link™ that you wish to teach. The device button will blink once to indicate it is ready to learn.

**Step 5:** Press and hold the key on the other remote control you wish Blu-Link™ to learn. After about one second the device button will blink once to indicate successful learning or 4 times to indicate that it did not learn the key.


**Step 6:** Repeat from step 4 until you have learned all of the keys you wish to teach. You can exit from learning either by waiting 20 seconds or by pressing another device key to exit.

**Troubleshooting:** To achieve the best results during “learning” mode:

- If you are having trouble, move away from any Plasma TV, avoid fluorescent lighting and direct sunlight.
- Gradually vary the distance between the two remote controls.
- Some original remotes require you to tap the button to learn rather than holding it during learning.
- Learning only works on individual keys. Macros cannot be learned.
- Remember, when programming keys such as arrow keys, the orientation between the remotes is reversed.

## Forgetting Learned Keys

**Step 1:** Enter setup mode by holding the device button down for 3 seconds. After 3 seconds all of the device buttons will blink to confirm that you are in setup mode.

**Step 2:** Enter “forget” mode by pressing the Stop  button. The device button will blink once to indicate it is ready to forget the keys it learned.

**Step 3:** Press the key you wish to forget. If this key has learned anything, the device button will blink once and revert to its original settings, otherwise, it will blink four times in error.

**Step 4:** Press keys you wish to forget until you are done. When you are done, you can either wait 10 seconds to time out or press another device button to exit.

**Note:** If you had previously entered a four-digit device code, the forgotten keys will return to their original settings.

## Forgetting a Device

**Step 1:** Enter setup mode by holding the device button down for 3 seconds. After 3 seconds all of the device buttons will blink to confirm that you are in setup mode.

**Step 2:** Enter the code 9999 to erase the prior four-digit code and any learned keys for the device.

**Note:** Pressing any key besides “9” during this mode will exit.

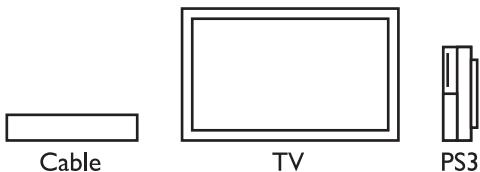
## Forgetting all Devices

**Step 1:** Enter factory-reset mode by holding down two device buttons for 3 seconds. After 3 seconds all of the device buttons turn on to confirm you are in factory-reset mode.

**Step 2:** Enter the code 9999 to erase the prior four-digit code and any learned keys for all devices.

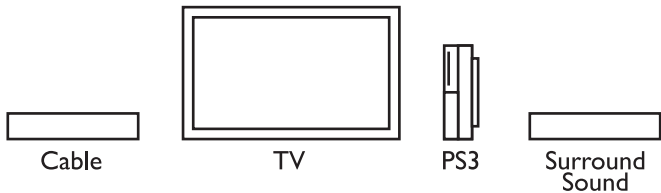
**Note:** Pressing any key besides “9” during this mode will exit.

## Controlling Volume (Punch Through)



In a fairly typical setup with a TV, PS3™ and Cable box, there is only one device that controls the sound. It would be difficult to switch devices between Cable and TV every time you want to change the volume. By default, Blu-Link™ is set so that regardless of what device you are using, when you change the volume, it is sent to the TV. This is called “punch through.”

When you press any key on Blu-Link, the device button will light to show what device is receiving that command. For example, when you are watching a DVD and hit Pause, the DVD button will light. When you hit Mute, the TV button will light.



Volume Punch Through is completely customizable. For example, if you have a surround sound system, you may want volume commands to be sent there instead of the TV. To do this, you would set the surround sound system as the sound master.

## Setting Sound Master

The sound master can be set for any device that supports volume up and volume down. To change from the default TV as master to another device:

**Step 1:** Enter setup mode by holding the device button you wish to make master down for 3 seconds. After 3 seconds all of the device buttons will blink to confirm that you are in setup mode.

**Step 2:** Press the Mute key and this device will now be the sound master. Future volume up, down, and mute operations for devices with punch through on will now control this device.

## **Advanced Configuration**

If you wish to independently control the volume without using punch through, punch through can be turned off (and back on) for any device. For example, if you have a surround sound system, you may wish to turn off punch through for the TV so you can still control it's volume when the TV device button is selected.

### **Turning off Punch Through for a Device**

By default, all devices start with punch through turned on. For any device other than the PS3, punch through can be turned off.

**Step 1:** To turn off punch through for a device, enter setup mode by holding the device button down for 3 seconds. After 3 seconds all of the device buttons will blink to confirm that you are in setup mode.

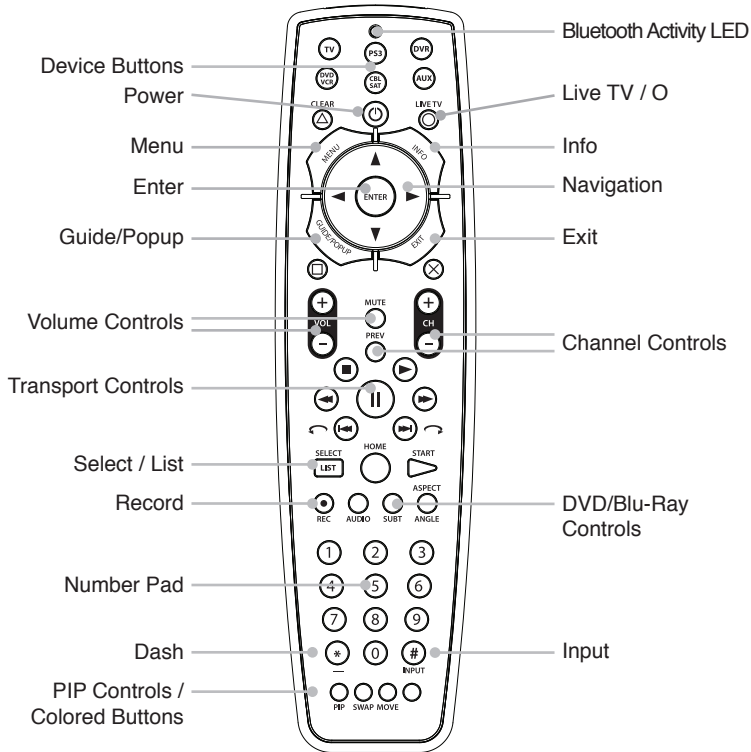
**Step 2:** Press the volume down (Vol -) key and that device will no longer punch through volume controls to the sound master

## **Turning on Punch Through for a Device**

If you accidentally turned punch through off for a device, it is simple to re-enable it.

**Step 1:** To turn punch through back on for a device, enter setup mode by holding the device button down for 3 seconds. After 3 seconds all of the device buttons will blink to confirm that you are in setup mode.

**Step 2:** Press the volume up (Vol +) key and that device will now punch through to the sound master.




# Remote Control Layout


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## Functions by Device Type


Different keys have different meanings depending upon the type of device you are controlling. The best way to become familiar with your remote control is to experiment, but here are some hints to guide you.

### Television / Set Top Boxes

**Turn On/Off:** To turn the TV on or off, press the TV device button and press the Power  button.

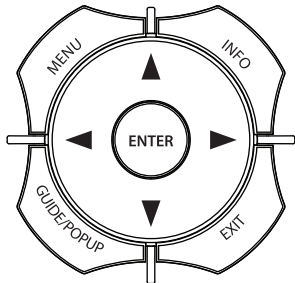
**Input:** If you have multiple devices, press the Input  button to switch between what input is showing on your TV.

**Aspect Ratio:** To switch between different resolutions or to a different aspect ratio, press the Aspect  button.


**Sub-Channels:** Some TV's support alternative HiDef channels for over the air broadcasts. To reach these channels, enter the main channel number, press the Dash  button and enter the sub-channel. For example to select the 2nd sub-channel of channel 11 you would enter 11-2.

**Subtitles:** Pressing the Subt  button turns on closed captioning or subtitles for some models of TVs.

**PIP Controls:** The bottom row of colored buttons offer control over Picture-in-Picture modes.



## Cable / Satellite / DVR

**List:** On some devices with DVR capabilities, pressing the List  button will bring up a list of recorded programs.


**DVR Menu:** Pressing the Home  button will bring up the DVR menu.


**Live TV:** Pressing the Live TV  button exits to Live TV.



**Menu:** Pressing the Menu button brings up the main menu for your device.


**Guide:** Pressing the Guide / Popup button brings up the listing of available and upcoming showings.

**Info:** Pressing info brings up the details for the currently playing show.

**Aspect Ratio:** To switch between different resolutions or to a different aspect ratio, press the Aspect  button.

**Previous Channel:** Pressing the Prev  button will jump back to the previous channel.

**Skip:** Pressing the Skip Backwards  or Skip Forwards  button will rewind 10 seconds or fast forward 30 seconds on supported devices with DVR functionality.

**Record:** Press the Rec  button to start recording the existing show.



**Colored Buttons:** The colored buttons perform similar functions on Blu-Link™ as on your original remote control.


## PS3™ Blu-Ray / DVD

**Menu:** Pressing the Menu button brings up the top menu of the DVD or Blu-Ray disc.

**Guide / Popup:** Pressing the Guide / Popup button brings up the popup Menu on Blu-Ray discs.


**Info:** Pressing Info gives you play statistics

**Rewind and Fast Forward:** Press the Rewind  or Fast Forward  to scan through the movie.

**Previous Chapter and Next Chapter:** Press the Previous Chapter  or Next Chapter  button to change chapter.

**Audio:** Press the Audio  button to change audio tracks in a movie.


**Subtitles:** Pressing the Subt  button will bring up the next language subtitle for supported discs.

**Angle:** For the few movies with multiple points of view, pressing the Angle  button will change the viewing angle.


## PlayStation® 3

The keys on the Blu-Link™ universal remote control operate in much the same way as they do on the Sony game controller with the following exceptions:

**Volume:** Volume keys are sent to your TV set so you do not need to use the original TV remote.

**Power:** Sony does not offer a dedicated power off button on their controller. The Power  button on Blu-Link™ simulates the menu sequence used to manually shut down the PS3™.

**L1-L3 and R1-R3:** These little used keys are not included on Blu-Link™. All Blu-Ray functions can be controlled without these keys.

**PlayStation® Key:** Blu-Link™ uses the Home  button as the PlayStation® button (the key with the stylized P).

For more details you can review your PlayStation® 3 manual or visit us online at [www.Blu-Link™.com](http://www.Blu-Link™.com).

# Setup Codes by Device

## TV

3M	1308 1372 1373 1374 1449
ABEX	1063 1481
ACCURIAN	1451
ACER	1152
ACTION	1432
ADDISON	1051 1177
ADMIRAL	1043 1178 1181 1271 1492
ADVENT	1046 1169 1189 1405 1430 1473
ADVENTURA	1064 1483
AIKO	1051 1177
AIWA	1331 1399 1402 1403
AKAI	1006 1024 1025 1044 1142 1175 1188 1224 1243 1256 1416 1422 1494
AKURA	1211
ALARON	1210 1408
ALBATRON	1167 1170
ALFIDE	1416
ALLERON	1053
ALPINE	1385
A-MARK	1417
AMBASSADOR	1425
AMERICA ACTION	1052 1387
AMPRO	1168
AMTRON	1052 1387
ANAM	1052 1387 1417 1487
ANAM NATIONAL	1052 1387
AOC	1017 1045 1046 1047 1106 1175 1187 1188 1190 1209 1250 1257 1417
APEX	1073 1091 1179 1258 1400 1401 1471
APEX DIGITAL	1151 1400
APPLE	1315
ARCHER	1417
ARCHOS	1145
ASTAR	1151 1496
AUDINAC	1387 1426
AUDIOVOX	1017 1052 1095 1130 1177 1203 1259 1260 1293 1329 1330 1334 1336 1338 1387 1388 1393 1415 1417 1470 1493
AVENTURA	1039 1489
AXION	1143 1316
BANG & OLUFSEN	1184
BARCO	1189
BAUR	1094 1427 1477
BAYSONIC	1387
BELCOR	1017 1045 1187
BELL & HOWELL	1043 1403
BENQ	1110 1147 1173 1494
BLAUPUNKT	1427
BLUE SKY	1189
BOIGLE	1450
BOSS	1189 1386 1430
BOXLIGHT	1428
BPL	1210
BRADFORD	1052 1387
BRILLIAN	1148 1434 1475
BROCKWOOD	1017 1045 1187
BROKSONIC	1006 1052 1181 1332 1417 1492
BYD-SIGN	1164 1495
CADIA	1436
CANDLE	1017 1045 1047 1048 1064 1175 1188 1208 1483
CANON	1375 1376 1377
CARNIVALE	1175 1188
CARVER	1041 1189 1430
CCE	1185 1189 1293
CELEBRITY	1000 1044 1298
CELERA	1073 1400
CENTURION	1049
CHAMPION	1403
CHANGHONG	1073 1400
CHING TAI	1051 1177
CHUN YUN	1051 1052 1177 1193 1204 1387
CHUNG HSIN	1052 1196 1387
CINEGO	1453
CINEMA	1416
CINERAL	1293
CITIZEN	1017 1045 1047 1048 1051 1052 1060 1062 1083 1175 1177 1188 1207 1208 1216 1224 1293 1387 1403 1483
CLAIRSTONE	1209
CLARION	1052 1387
COBY	1102 1284
COLORTIME	1017 1045 1047
COLT	1213
COMMERCIAL SOLUTIONS	1176 1484
CONCERTO	1017 1045 1047 1208
CONTEC	1052 1209 1387 1424
CONTEC/CONY	1050 1052 1387
CRAIG	1052 1387
CROSLEY	1041 1074 1189 1430
CROWN	1052 1056 1207 1387 1416
CROWN MUSTANG	1416
CTX	1109
CURTIS	1261
CURTIS MATHES	1014 1017 1024 1025 1041 1042 1043 1045 1047 1060 1062 1083 1175 1176 1178 1182 1188 1189 1203 1207 1208 1224 1229 1271 1293 1308 1395 1403 1430 1484
CXC	1052 1387
CYBERHOME	1429
CYTRON	1141 1404
DAEWOO	1017 1045 1046 1047 1051 1062 1074 1110 1177 1187 1203 1207 1216 1293 1416
DAYTRON	1017 1045 1047 1062 1187
DE GRAAF	1210
DELL	1017 1118 1189 1343 1430 1490
DELTA	1325
DENON	1182 1308
DENSTAR	1387
DIAMOND VISION	1166 1337
DIGITAL PROJECTION INC.	1444
DIMENSIA	1014 1042 1083
DISNEY	1076 1089
DUMONT	1017 1018 1045 1174 1187 1421 1479
DURABRAND	1039 1052 1076 1086 1181 1220 1227 1387 1417 1489 1490 1492
DWIN	1178 1218 1466
DYNATECH	1420
DYNEX	1130 1132
ECTEC	1426
EIKI	1155 1156
ELECTROBAND	1000 1044 1209 1298

ELECTROGRAPH	1149	1253			
ELECTROHOME	1017	1044	1045	1047	1492
ELEKTRA	1174	1293	1479		
ELEMENT	1017	1114	1128	1228	1245
ELITE	1229				
EMERSON	1017	1033	1034	1037	1038 1039
	1045	1047	1050	1052	1053 1062
	1074	1076	1125	1166	1181 1187
	1207	1209	1216	1217	1227 1231
	1254	1293	1387	1403	1408 1424
	1425	1458	1489	1490	1492
EMPREX	1165	1397			
ENVISION	1017	1045	1047	1106	1175 1188
	1250	1467			
EPSON	1107	1354	1367	1379	1380 1468
ERRES	1206				
ESA	1024	1039	1489		
ETHER	1194				
FERGUSON	1476				
FIDELITY	1488				
FINLANDIA	1210				
FINLUX	1421				
FIRSTAR	1201				
FISHER	1210	1403	1459		
FRONTECH	1211				
FUJITSU	1053	1297	1299	1306	1307 1408
	1464				
FUNAI	1033	1039	1052	1053	1387 1408
	1452	1489			
FURI	1198				
FUTURETECH	1052	1211	1387		
GATEWAY	1113	1149	1183	1192	1253
GE	1014	1017	1042	1045	1047 1054
	1055	1068	1083	1176	1203 1214
	1227	1254	1271	1293	1400 1409
	1461	1480	1484	1485	1490
GFM	1033	1037	1038	1127	
GIBRALTER	1017	1018	1045	1174	1175 1187
	1188	1460	1479		
GO VIDEO	1219				
GOLDSTAR	1017	1045	1046	1047	1050 1062
	1063	1175	1187	1188	1215 1227
	1460	1481	1490		
GPX	1287	1288			
GRADIENTE	1112	1208	1486		
GRANADA	1210				
GRUNDIG	1189	1416	1421	1427	

GRUNPY	1052	1053	1387	1408	
H & B	1443				
HAIER	1017	1045	1129	1137	1220 1223
	1405				
HALLMARK	1017	1045	1047	1227	1490
HANKOOK	1052	1194	1200	1387	
HANNSPREE	1442				
HANTAREX	1440				
HARLEY DAVIDSON	1408	1452	1482		
HARMAN/KARDON	1041	1189			
HARVARD	1052	1387	1487		
HAVERMY	1178	1271			
HELIOS	1431				
HELLO KITTY	1166	1203	1293		
HEWLETT PACKARD	1096	1242	1250	1353	1370
HIMITSU	1387				
HISENSE	1115	1199	1205		
HITACHI	1017	1019	1043	1045	1047 1050
	1124	1182	1208	1262	1296 1300
	1301	1303	1308	1358	1424 1452
	1462	1481			
HP	1242	1250	1353		
HUMAX	1263	1447			
HYPSON	1211				
HYUNDAI	1157	1172			
ICE	1211				
ILO	1033	1138	1140	1244	1255
IMA	1052	1387			
INFINITY	1041	1056	1189	1430	
INFOCUS	1119	1428			
INITIAL	1140				
INNOVA	1189				
INSIGNIA	1076	1130	1131	1132	1246 1398
	1404	1430	1489		
INTEQ	1174	1479			
INTERVISION	1211				
IRT	1293	1387			
IX	1433				
JANEH	1064	1483			
JBL	1041	1056	1189	1430	
JC PENNEY	1014	1017	1042	1045	1046 1047
	1048	1054	1055	1060	1062 1063
	1083	1400	1460	1461	
JCB	1000	1044	1298		
JEAN	1051	1177	1195	1199	1201
JENSEN	1017	1045	1046	1047	1189 1383
	1389	1392	1404	1430	1473

JINXING	1197	1198	1199		
JVC	1034	1035	1050	1055	1057 1342
	1390	1391	1406	1424	1486 1492
KAWASHO	1017	1044	1045	1047	
KAYPANI	1190				
KDS	1245				
KEC	1052	1387			
KEN BROWN	1438				
KENWOOD	1017	1045	1047	1175	1187 1188
	1381				
KIOTO	1041	1189			
KLH	1073	1400			
KLOSS	1418	1483			
KLOSS NOVABEAM	1052	1064	1387		
KOLIN	1052	1226	1387		
KONKA	1328	1387	1407		
KOST	1189	1435			
KREISEN	1430				
KTV	1052	1062	1175	1185	1188 1207
	1209	1387			
LEYCO	1211				
LG	1017	1045	1046	1116	1160 1167
	1187	1188	1208	1227	1469 1490
LLOYD'S	1452				
LOCAL INDIA TV	1210				
LOEWE	1056	1189			
LOGIK	1043				
LUXMAN	1017	1045	1047	1208	
LXI	1014	1041	1042	1047	1056 1083
	1176	1179	1189	1227	1400 1403
	1423	1430	1461	1484	1490
M & S	1041	1189			
MAG	1245				
MAGNASONIC	1216	1293			
MAGNAVOX	1017	1031	1038	1041	1045 1047
	1048	1056	1070	1081	1084 1098
	1126	1140	1175	1188	1189 1217
	1250	1253	1282	1302	1408 1418
	1424	1430	1452	1493	
MAGNIN	1214				
MAJESTIC	1043				
MANESTH	1211				
MARANTZ	1017	1019	1041	1045	1047 1056
	1108	1175	1188	1189	1305 1430
MATSUI	1210				
MATSUSHITA	1180	1491			
MAXENT	1133	1149	1245	1253	

MEDIATOR	1206
MEGAPOWER	1167
MEGATRON	1019 1047 1182 1227 1308 1417 1490
MEI	1209
MEMOREX	1033 1043 1046 1047 1076 1086 1130 1181 1212 1215 1227 1332 1403 1405 1408 1433 1490 1492
MERCURY	1460
METZ	1427
MGA	1017 1045 1046 1047 1175 1187 1188 1214 1227 1459 1490
MICRO ELECTRONIC	1189
MIDLAND	1018 1055 1062 1063 1174 1176 1207 1409 1461 1479 1481 1484 1485
MINERVA	1421 1427
MINTEK	1140 1400
MINUTZ	1054 1480
MITSUBISHI	1017 1045 1046 1047 1088 1178 1187 1227 1264 1271 1295 1309 1326 1344 1362 1422 1427 1459 1490
MONIVISION	1167 1170
MONTGOMERY WARD	1043
MOTOROLA	1178 1245 1271
MOXELL	1245
NTC	1017 1045 1046 1047 1060 1175 1187 1188 1208 1209 1224 1420
MULTITECH	1052 1185 1387 1420
MULTIVISION	1058
NAD	1047 1179 1189 1208 1227 1229 1400 1423 1462 1490
NAKAMICHI	1445
NEC	1017 1045 1046 1047 1150 1175 1187 1188 1208 1305 1311 1323 1366 1424 1463
NEOVIA	1440
NETSAT	1189
NET-TV	1136 1149 1253 1255
NEWAVE	1051 1177 1178 1200 1225 1271
NEXTAR	1317
NIKKAI	1211
NIKKO	1047 1051 1175 1177 1188 1227 1490
NIKO	1448
NISATO	1426

NOBLEX	1403
NORCENT	1106 1205 1241 1250 1448 1474
NORWOOD MICRO	1255 1493
NOSHI	1186
NTC	1051 1177
NOVISION	1242
OLEVIA	1017 1092 1099 1105 1187 1191 1456 1457
OLYMPUS	1441
ONWA	1052 1387
OPPO	1144
OPTIMUS	1009 1180 1212 1229 1403 1462 1491
OPTOMA	1120 1345 1346 1347 1348 1349 1355 1361 1472
OPTONICA	1059 1178 1271
ORION	1076 1181 1408 1492
OSAKI	1211
OTTO VERSAND	1094 1427 1477
PANAMA	1211
PANASONIC	1008 1009 1010 1011 1012 1013 1055 1056 1078 1097 1159 1161 1180 1212 1310 1339 1365 1368 1369 1382 1384 1409 1485 1491
PENNEY	1175 1176 1179 1186 1187 1188 1207 1214 1215 1224 1227 1409 1417 1423 1460 1480 1481 1484 1485 1490
PETERS	1245
PHILCO	1017 1041 1045 1046 1047 1048 1050 1056 1175 1187 1188 1189 1293 1308 1408 1430 1492
PHILIPS	1017 1027 1028 1029 1030 1031 1032 1033 1038 1041 1045 1048 1050 1056 1069 1072 1098 1126 1140 1162 1189 1206 1430 1478
PHILIPS MAGNAVOX	1029 1032 1033 1041 1069 1070 1081 1189 1430
PHONOLA	1206 1478
PILOT	1017 1045 1062 1175 1187 1188 1207
PIONEER	1017 1045 1047 1229 1233 1234 1235 1236 1237 1238 1239 1240 1303 1322 1342 1462
PLANAR	1250 1359 1446
PLASMSYNC	1153
PLEXTOR	1371

POLAROID	1017 1073 1103 1189 1245 1259 1265 1266 1289 1329 1330 1335 1398 1400 1431 1435
PORTLAND	1017 1045 1046 1047 1051 1062 1177 1187 1207
POWER ACOUSTIC	1312 1340
PRICE CLUB	1060
PRIMA	1017 1046 1111 1169 1189 1413 1414 1430 1473
PRINCETON	1167 1465
PRISM	1055 1409 1485
PROSCAN	1014 1017 1042 1083 1176 1267 1461 1484
PROTECH	1211
PROTON	1017 1045 1047 1050 1190 1227 1395 1417 1419 1490
PROTRON	1100 1268 1269
PROVIEW	1114 1221 1245
PROXIMA	1119
PULSAR	1017 1018 1045 1174 1187 1479
PYE	1206
PYLE	1261 1286
QUASAR	1055 1180 1212 1409 1485 1491
QUELLE	1094 1421 1427 1477
RADIO SHACK/REALISTIC	1017 1042 1045 1047 1050 1052 1059 1062 1063 1387 1403
RADIOLA	1206
RADIOSHACK	1014 1052 1083 1175 1176 1187 1188 1207 1208 1227 1387 1403 1452 1481 1484 1490
RBM	1421
RCA	1014 1015 1016 1017 1042 1045 1046 1047 1066 1075 1083 1143 1176 1186 1187 1214 1224 1271 1293 1303 1327 1387 1410 1411 1461 1484
REALISTIC	1014 1052 1083 1175 1187 1188 1207 1208 1227 1387 1403 1481 1490
REX	1211
RHAPSODY	1209
ROADSTAR	1211
ROSEN	1383
RUNCO	1018 1174 1175 1188 1350 1463 1479
SAISHO	1211

SAMPO	1017	1045	1047	1062	1063	1149
	1175	1188	1190	1207	1253	1481
SAMSUNG	1017	1024	1025	1026	1045	1046
	1047	1050	1060	1062	1063	1121
	1175	1185	1187	1188	1189	1208
	1211	1224	1227	1247	1291	1412
	1481	1490				
SAMSUX	1207					
SANSEI	1293					
SANSUI	1006	1076	1101	1181	1332	1452
	1492					
SANYO	1017	1045	1093	1155	1156	1210
	1214	1232	1290	1403	1459	
SBR	1206	1478				
SCEPTRE	1000	1117	1270			
SCHNEIDER	1478					
SCIMITSU	1187					
SCOTCH	1047	1227	1490			
SCOTT	1017	1045	1047	1050	1052	1053
	1139	1187	1227	1387	1408	1490
SEARS	1014	1017	1039	1041	1042	1045
	1047	1053	1057	1065	1083	1148
	1176	1179	1189	1208	1215	1227
	1400	1403	1408	1423	1430	1434
	1452	1459	1461	1484	1489	1490
SEG	1211					
SEI	1094	1477				
SEMIVOX	1387					
SEMP	1423					
SHARP	1016	1017	1020	1021	1022	1023
	1045	1047	1050	1059	1062	1178
	1207	1271	1272	1313	1321	1378
	1424	1458				
SHEN YING	1051	1177				
SHENG CHIA	1178	1225	1271			
SHOGUN	1017	1045	1187			
SIEMENS	1427					
SIGNATURE	1043	1425				
SIGNET	1435					
SIM2 MULTIMEDIA	1437					
SIMPSON	1048					
SINUDYNE	1094	1477				
SKY	1189					
SKYGiant	1052	1387				
SOMITRON	1210					
SOMOLOR	1210					

SONY	1000	1001	1002	1003	1004	1044
	1071	1094	1122	1123	1158	1283
	1294	1298	1314	1320	1324	1357
	1363	1364	1452	1477		
SOUNDESIGN	1017	1045	1047	1048	1052	1053
	1227	1387	1408	1490		
SOVA	1268					
SOWA	1199					
SOYO	1163	1394	1395	1396	1397	
SPACE TEK	1450					
SPECTRICON	1417					
SPECTRIQ	1245					
SQUAREVIEW	1039	1065	1489			
SSS	1017	1045	1052	1187	1387	
STARLITE	1052	1387				
STUDIO EXPERIENCE	1170					
SUPERSCAN	1038	1178	1217	1248	1271	
SUPERSONIC	1017					
SUPRE-MACY	1064	1483				
SUPREME	1000	1044	1298			
SVA	1134	1223	1431			
SYLVANIA	1017	1033	1036	1037	1038	1039
	1040	1041	1045	1047	1048	1056
	1125	1127	1175	1188	1189	1217
	1230	1430	1489			
SYMPHONIC	1033	1038	1039	1052	1065	1086
	1387	1452	1489			
SYNCO	1051	1177	1178	1193	1200	1203
	1225	1271				
SYNTAX	1017	1092	1099	1187	1191	1222
	1456					
SYNTAX-BRILLIAN	1017	1099	1148			
TACICO	1051	1177	1200			
TAMDY	1178	1271				
TATUNG	1136	1183	1192	1195	1199	1255
	1417	1420				
TEAC	1211					
TECHNICS	1055	1180	1409	1485	1491	
TECHNOL ACE	1408					
TECHVIEW	1171					
TECHWOOD	1017	1045	1047	1055	1208	1409
	1417	1485				
TECO	1178	1195	1200	1225	1254	1271
TEKNIKA	1017	1041	1043	1045	1046	1047
	1048	1050	1051	1052	1053	1060
	1062	1177	1187	1189	1207	1208
	1224	1387	1408	1430		

TELECAPTION	1061					
TELEFUNKEN	1024	1025	1208	1476		
TERA	1419					
THOMAS	1452					
THOMSON	1014	1319				
TMK	1017	1045	1047	1208	1227	1425
	1490					
TNCI	1174	1479				
TOPHOUSE	1387					
TOSHIBA	1005	1006	1007	1008	1017	1060
	1061	1077	1079	1080	1082	1085
	1087	1178	1179	1187	1224	1271
	1273	1274	1285	1305	1325	1333
	1341	1400	1403	1421	1423	1424
	1490	1491				
TOSONIC	1209					
TOTEVISION	1062	1207				
TRICAL	1424					
TRUTECH	1033	1135				
TUNTEX	1051	1177	1194			
TVS	1181	1492				
ULTRA	1426					
UNIVERSAL	1054					
UNIVERSUM	1189	1211	1427			
US LOGIC	1255					
VECTOR RESEARCH	1175	1188				
VEOS	1434					
VICTOR	1034	1057	1486			
VIDEO CONCEPTS	1422					
VIDIKRON	1041	1189	1350	1430		
VIDECH	1017	1045	1046	1047	1187	1227
	1424	1490				
VIEWSONIC	1081	1090	1104	1149	1189	1248
	1249	1250	1251	1252	1253	1254
	1275	1296	1303	1351	1352	1356
	1358	1430	1441	1454		
VIKING	1064	1483				
VIORE	1138					
VISART	1439					
VISCO	1146					
VITO	1281					
VIZIO	1017	1090	1110	1116	1154	1183
	1187	1192	1248	1276	1454	1455
WARDS	1014	1017	1041	1042	1043	1045
	1046	1047	1053	1054	1056	1059
	1083	1175	1187	1188	1189	1208
	1227	1229	1298	1400	1408	1423

	1430	1480	1490		
WESTINGHOUSE	1000	1090	1094	1203	1258 1277
	1278	1279	1454	1477	
WHITE WESTINGHOUSE	1074	1181	1293	1492	
WINBOOK	1255				
WYSE	1250				
YAMAHA	1017	1045	1046	1047	1175 1187
	1188	1296	1360	1468	
YAPSHE	1202				
YOKO	1211				
ZENITH	1017	1018	1019	1043	1045 1067
	1174	1177	1181	1227	1250 1280
	1292	1293	1304	1318	1452 1479
	1490	1492			
ZONDA	1417				

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ACCELE VISION	2122				
ACCURIAN	2229				
ADCOM	2172				
ADVENT	2215				
AKAI	2137	2210	2235		
ALCO	2213				
ALLEGRO	2089				
ALPINE	2128				
AMPHON MEDIA WORKS		2127	2248		
AMW	2127				
APEX	2023	2024	2025	2026	2079 2224
APPLE	2156				
ARRGO	2067				
ASPIRE	2217				
ASTAR	2150				
AUDIOVOX	2102	2110	2213		
AXION	2138				
BANG & OLUFSEN	2225				
BLAUPUNKT	2121	2224			
BLUE PARADE	2039				
BOSE	2072	2080			
BOSS	2123				
BOSTON ACOUSTICS	2249				
BROKSONIC	2210				
CALIFORNIA AUDIO LABS		2211			
CAMBRIDGESOUNDWORKS		2168			
CHANGHONG	2242				
CINEVISION	2089	2108			
CLARION	2131				

CLASSIC	2106				
COBY	2081	2091	2116	2216	
CURTIS	2091				
CURTIS MATHES	2227				
CYBERHOME	2027	2067	2244	2245 2246	
CYTRON	2136				
DAEWOO	2088	2089	2235		
DENON	2104	2109	2211		
DESAY	2153				
DIAMOND VISION	2174				
DISNEY	2084	2092			
DUAL	2146				
DURABRAND	2228				
DVD2000	2222				
DYNEX	2160				
ECLIPSE	2118				
EMERSON	2099	2120	2125	2185 2226	
ENTERPRISE	2226				
ESA	2125	2151			
FISHER	2142				
FUNAI	2125	2185			
GATEWAY	2098				
GE	2034	2069	2224		
GFM	2125				
GO VIDEO	2089	2098			
GOLDSTAR	2089				
GPX	2106				
GRADIENTE	2135	2211			
GREENHILL	2224				
GRUNDIG	2223				
HAIER	2141				
HARMAN/KARDON		2100	2117		
HITACHI	2012				
HITEKER	2023				
ILIVE	2170				
ILO	2134				
ILUV	2148				
INITIAL	2134	2224			
INSIGNIA	2085	2125	2140	2167 2261	
INTEGRA	2039	2173	2212		
IRRADIO	2126				
ISYMPHONY	2157				
JAMO	2171				
JBL	2100				
JENSEN	2145	2216			
JVC	2028	2029	2030	2031 2032 2033	
	2087	2093	2113		

JWIN	2143				
KAWASAKI	2213				
KENWOOD	2115	2211			
KLH	2213	2224			
KLIPSCH	2250				
KONKA	2234				
KOSS	2097	2164	2219		
LANDEL	2230				
LASONIC	2132				
LENOXX	2218	2228			
LEXICON	2232				
LG	2085	2089	2096	2111 2226	
LIQUID VIDEO	2219				
LITEON	2098	2229			
LOEWE	2231	2238			
MAGNAVOX	2075	2076	2099	2125 2185 2221	
	2223				
MARANTZ	2223				
MEMOREX	2084	2210			
MICROSOFT	2069				
MINTEK	2134	2224			
MITSUBISHI	2086	2222			
NAD	2085	2251			
NAKAMICHI	2144				
NESA	2224				
NEXT BASE	2230				
NEXXTECH	2154				
NORCENT	2091				
ONKYO	2094	2105	2212	2221	
OPPO	2139	2155			
ORITRON	2097	2219			
PANASONIC	2015	2016	2017	2018 2019 2020	
	2021	2022	2071	2082 2112 2163	
	2211	2221			
PHILCO	2213				
PHILIPS	2036	2037	2038	2075 2076 2095	
	2185	2221	2223	2232 2265	
PIONEER	2039	2040	2041	2042	
POLAROID	2026	2119			
POLK AUDIO	2223				
PORTLAND	2235				
PRESIDIAN	2185				
PRIMA	2159				
PRINCETON	2233				
PROCEED	2023				
PROSCAN	2034	2069			
PYE	2038				

QWESTAR	2097
RCA	2034 2035 2039 2069 2213 2224
REGENT	2218
RIO	2089
ROTEL	2029
ROWA	2214
SAMPO	2133 2243
SAMSUNG	2010 2011 2012 2013 2014 2073 2077 2158 2211 2262 2263
SANSUI	2007 2210
SANYO	2142 2165 2210
SENSORY SCIENCE	2098
SHARP	2090 2114 2169
SHARPER IMAGE	2246
SHERWOOD	2168 2235
SHINCO	2129
SHINSONIC	2134 2220
SIGMA DESIGNS	2233
SONIC BLUE	2089
SONY	2000 2001 2002 2003 2004 2005 2070 2074 2078 2083 2161 2220
SUNGALE	2152
SUPERSCAN	2099
SVA	2237
SYLVANIA	2095 2099 2124 2125 2185 2247
SYMPHONIC	2099 2185
TEAC	2134 2213
TECHNICS	2211
TECHWOOD	2130
TERAPHI	2239
THETA DIGITAL	2039
TOSHIBA	2006 2007 2008 2009 2036 2068 2101 2162 2210 2221
TREDEX	2236
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TVIEW	2147
URBAN CONCEPTS	2221
US LOGIC	2134
VENTURER	2101 2166 2213
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VOCOPRO	2149
WESTINGHOUSE	2107
XBOX	2069
YAMAHA	2015 2103 2211 2223
ZENITH	2085 2089 2221 2226

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ADVENTURA	2048 2060
AIWA	2048 2060
AKAI	2059
ALLENWARE	2254
AMERICAN HIGH	2178
APEX	2256
ASHA	2052 2176
AUDIO DYNAMICS	2056
AUDIOVOX	2177 2196
BEAUMARK	2052 2176
BELL & HOWELL	2175
BROKSONIC	2210
CALIX	2177
CANDLE	2176 2177
CANON	2178
CINEVISION	2208
CITIZEN	2176 2177 2260
COLORTIME	2056
COLT	2258
CRAIG	2052 2176 2177
CURTIS MATHES	2056 2176 2178
CYBERNEX	2052 2176
CYBERPOWER	2254
DAEWOO	2058 2060 2260
DAVIDSON	2048
DBX	2056
DELL	2254
DENON	2053
DIRECTV	2253
DURABRAND	2065
DYNATECH	2048 2060
ELECTROHOME	2050 2177
ELECTROPHONIC	2177
EMERSON	2048 2050 2060 2099 2177 2178 2185 2260
FISHER	2175
FUJII	2178
FUNAI	2048 2060 2185
GARRARD	2048 2060
GATEWAY	2254
GE	2052 2176 2178
GO VIDEO	2052
GOLDSTAR	2056 2064 2177 2259

GRADIENTE	2048 2060
HARLEY DAVIDSON	2060
HARMAN/KARDON	2056
HEADQUARTER	2175
HEWLETT PACKARD	2254
HITACHI	2048 2053
HOWARD COMPUTERS	2254
HP	2254
HUGHES NETWORK SYSTEMS	2053 2253
HUMAX	2253
HUSH	2254
IBUYPOWER	2254
INSTANT REPLAY	2178
JC PENNEY	2056 2175 2176 2177 2178
JCL	2178
JVC	2054 2055 2056 2175 2183 2193 2194 2195 2197 2198 2199 2200
KENWOOD	2056 2175
KODAK	2177 2178
LG	2177 2190
LINKSYS	2254
LLOYD'S	2048 2060
LXI	2177
MAGNASONIC	2060 2260
MAGNAVOX	2048 2060 2065 2066 2099 2178
MAGNIN	2052 2177
MARANTZ	2056 2175 2178
MARTA	2177
MATSUSHITA	2178
MEDIA CENTER PC	2254
MEI	2178
MEMOREX	2048 2052 2060 2065 2175 2176 2177 2178 2210 2255 2257 2259
MGA	2050 2052
MGN TECHNOLOGY	2052 2176
MICROSOFT	2254
MIND	2254
MINOLTA	2053
MITSUBISHI	2050 2184
MOTOROLA	2178
MTI	2048 2052 2176
MULTITECH	2048 2060 2176
NEC	2056 2175
NIKKO	2177
NIVEUS MEDIA	2254
NOBLEX	2052 2176
NORTHGATE	2254

OLYMPUS	2178
OPTIMUS	2060 2177 2257
OPTONICA	2063
ORION	2188 2255
PANASONIC	2016 2018 2043 2044 2178 2181 2202 2203 2204 2252 2257
PENNEY	2052 2053 2259
PENTAX	2053
PHILCO	2178
PHILIPS	2063 2066 2178 2185 2253
PHILIPS MAGNAVOX	2066
PILOT	2177
POLAROID	2256
PRESIDIAN	2185
PROFITRONIC	2052
PULSAR	2065
PYE	2209
QUARTER	2175
QUARTZ	2175
QUASAR	2178 2257
RADIOSHACK	2048 2063 2177
RADIO SHACK/REALISTIC	2060 2063 2175 2176 2177 2178
RADIX	2177
RANDEX	2177
RCA	2051 2052 2053 2176 2178 2180 2205 2206
REALISTIC	2048 2060 2063 2175 2176 2177 2178
REPLAYTV	2252
RICAVISION	2254
RUNCO	2065
SAMSUNG	2052 2057 2058 2059 2176 2192 2207 2253 2264
SANKY	2065
SANSUI	2048 2188 2210 2255
SANYO	2052 2175 2176
SCOTT	2050 2058
SEARS	2048 2053 2175 2177 2178 2259
SHARP	2062 2063 2186
SHOGUN	2052 2176
SINGER	2178
SOMIC BLUE	2252
SONY	2002 2003 2004 2045 2046 2047 2048 2179 2182 2201 2254
STACK	2254
STS	2053 2178

SUPERSCAN	2099
SYLVANIA	2048 2050 2060 2061 2099 2178 2185
SYMPHONIC	2048 2060 2061 2099 2185
SYSTEMAX	2254
TAGAR SYSTEMS	2254
TANDY	2175
TASHIKO	2177
TEAC	2048 2060
TECHNICS	2178
TEKNIKA	2048 2060 2177 2178
THOMAS	2048
TIVO	2253
TMK	2052 2176
TOSHIBA	2049 2050 2058 2187 2189 2191 2254
TOTEVISION	2052 2176 2177
TOUCH	2254
UNITECH	2052 2176
VECTOR	2058
VECTOR RESEARCH	2056
VIDEO CONCEPTS	2056 2058
VIDEOSONIC	2052 2176
VIEWSONIC	2254
VILLAIN	2048
VOODOO	2254
WARDS	2048 2052 2053 2060 2063 2176 2177 2178
XR-1000	2048 2060 2178
YAMAHA	2056 2175
ZENITH	2048 2064 2065
ZT GROUP	2254

BELL SOUTH	3117
CABLE STAR	3143
CABLE VISION	3006
CABLETENNA	3016
CABLEVIEW	3015
CENTURY	3018
CITIZEN	3018 3124
CLEARMASTER	3116
CLEARMAX	3116
COLOUR VOICE	3019
COMCAST	3000 3005
COMTRONICS	3020
CONTEC	3021
COOLMAX	3116
COX	3000 3005
DAERYUNG	3123
DIGI	3122
DIRECTOR	3005 3009 3110
DUMONT	3122
EASTERN	3022
EMERSON	3141
EVERQUEST	3020 3112
FOCUS	3115
GARRARD	3018
GC ELECTRONICS	3017 3143
GE	3010 3011
GEHUA	3121
GEMINI	3023 3112 3141
GENERAL INSTRUMENT	3005 3009 3011 3108 3110
GOLDSTAR	3020 3113
GOODMIND	3141 3142
HAMLIN	3024 3025
HITACHI	3011
HYTEX	3144
ILLICO	3125
JASCO	3018 3112
JERROLD	3005 3009 3011 3023 3033 3056 3108 3110 3112
LG	3120
LINSAY	3150
MAGNAVOX	3026
MEGACABLE	3009 3061
MEMOREX	3027 3111
MOTOROLA	3000 3003 3005 3009 3060 3108 3110
MOVIE TIME	3028
MULTITECH	3116

## Cable

ABC	3010 3011 3012 3014 3033 3111 3144 3145
ADELPHIA	3007
ALLEGRO	3018
AMERICAST	3117
ANTRONIX	3016 3017
APACHE	3142
ARCHER	3017 3018 3141
AT&T	3003
BBT	3147
BELCOR	3143
BELL & HOWELL	3013 3108

MULTIVISION	3126
NEC	3108
NET BRAZIL	3059
NEXUS	3142
NOVA VISION	3127
NOVAPLEX	3152
NSC	3028
OAK	3021 3144
PACE	3008 3114
PANASONIC	3031 3111
PANTHER	3122
PARAGON	3111
PHILIPS	3018 3019 3026
PIONEER	3001 3002 3029 3113 3123
POPULAR MECHANICS	3115
PRELUDE	3142
PROSCAN	3010 3011
PULSAR	3111
QUASAR	3111
RADIOSHACK	3112 3116 3141
RCA	3015
REALISTIC	3017
RECOTON	3115
REGAL	3025
REGENCY	3022
REMBRANDT	3011
ROGERS	3125
RUNCO	3111
SAMSUNG	3008 3020 3029 3058 3113
SCIENTIFIC ATLANTA	3001 3002 3003 3007 3008 3014 3109 3123
SIGNAL	3020 3023 3112
SIGNATURE	3011
SL MARX	3020
SONY	3006 3118
STANDARD COMPONENT	3030
STARCOM	3023 3033 3112
STARGATE	3020 3023 3112 3141 3142
STARQUEST	3023 3112
STARSIGHT	3149
SUPERCABLE	3108
SUPERMAX	3116
SYLVANIA	3145
TANDY	3146
TELECAPTION	3148
TELEVIEW	3020
TEXSCAN	3145

TFC	3151
TIME WARNER	3004
TIMELESS	3020
TOCOM	3012
TORX	3119
TOSHIBA	3111
TRANS PX	3108
TRISTRAR	3116
TS	3119
TUSA	3023 3112
TV86	3028
U. S. ELECTRONICS	3108
UNIKA	3016 3017 3018
UNITED ARTISTS	3144
UNITED CABLE	3033
UNIVERSAL	3016 3017 3018 3143
V2	3116
VIDEOTRON	3128
VIEWMASTER	3116
VIEWSTAR	3021 3026 3028 3146
VISION	3116
VORTEX VIEW	3116
ZENITH	3032 3057 3111 3117
ZENITEK	3115

CAPTIVEWORKS	3090
CHANNEL MASTER	3099
CHAPARRAL	3064
CHESS	3156 3157 3159
CITYCOM	3158
CONDOR	3158
CONRAD	3158
CONRAD ELECTRONIC	3158 3159
COOLSAT	3091
COSHIP	3095
CROSSDIGITAL	3140
DAEWOO	3159
DIGITALITY	3158
DIGITAL STREAM	3104 3105
DIRECTV	3040 3041 3042 3043 3044 3045 3046 3049 3051 3054 3055 3062 3063 3078 3079 3080 3081 3083 3129 3130 3132 3135
DISCOVERER	3156 3157
DISH NETWORK	3034 3035 3036 3037 3047 3131 3133 3138
DISHPRO	3131 3133 3138
DRAKE	3065
ECHOSTAR	3034 3047 3131 3133 3138 3139 3159

## Satellite

AB SAT	3159
ACCESSHD	3098
ALBA	3159
ALLTECH	3159
ALPHA DIGITAL	3098
ALPHASTAR	3073
AMITRONICA	3159
AMSTRAD	3154 3159 3163
ANGLO	3159
ANKARO	3159
APEX DIGITAL	3106
ARTEC	3094
ASLF	3159
ASTRA	3158 3159
ASTRO	3158
BLUE SKY	3159
BOCA	3159
BROCO	3159
BSKYB	3153 3154 3155 3163
BUBU SAT	3159

EINHELL	3159
ELAP	3159
ELSAT	3159
ENGEL	3159
EUROPA	3158
EUROPHON	3158
EUROSKY	3158
EUROSTAR	3158
EUTELSAT	3159
EXPRESSVU	3133 3138 3139
FENNER	3156 3157 3159
FLAIR MATE	3159
FTEMAXIMAL	3159
GE	3038 3039 3100
GENERAL INSTRUMENT	3066 3136
GOI	3138
GOODMIND	3100
GRUNDIG	3154 3163
HANSEATIC	3157
HANSEL & GRETEL	3158
HELIOCOM	3158
HELIUM	3158

HIRSCHMANN	3158
HISENSE	3137
HITACHI	3055 3074
HTS	3138
HUGHES NETWORK SYSTEMS	3042 3045 3049 3051 3062 3063 3129
HUMAX	3092
HUTH	3158
ILO	3137
INSIGNIA	3164
INTERVISION	3158
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JVC	3034 3047 3138
KAMM	3159
KATHREIN	3159
KONIG	3158
K-SAT	3159
LASAT	3156 3158
LASONIC	3101
LENCO	3158 3159
LG	3093 3164
LIFESAT	3156 3157 3159
LORENZEN	3158
M & B	3157
MAGNAVOX	3054 3096
MANATA	3159
MASPRO	3159
MAX	3158
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MEDISON	3159
MEMOREX	3054
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MICRO TECHNOLOGY	3159
MICROGEM	3102
MICROTEC	3159
MITSUBISHI	3049 3087
MORGAN'S	3159
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MULTITEC	3156
MYSAT	3159
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NEUSAT	3159
NEXT LEVEL	3136
NIKKO	3159
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PACE	3153 3154 3163
PALSAT	3156
PANASONIC	3043 3085 3154 3163
PANDA	3158
PANSAT	3088
PAYSAT	3054
PCT	3099
PHILCO	3096
PHILIPS	3042 3049 3051 3053 3054 3081 3129
PIONEER	3042
PRIMESTAR	3072
PROSCAN	3038 3039 3132
PROTON	3137
QUELLE	3158
RADIOSHACK	3136
RCA	3038 3039 3040 3051 3063 3076 3079 3080 3082
REALISTIC	3067
ROADSTAR	3159
ROVER	3159
SABA	3158
SAMSUNG	3042 3044 3050 3051 3052 3083 3084
SAT TEAM	3159
SATCOM	3157 3158
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SCHNEIDER	3156
SCHWAIGER	3156 3157 3158
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SKY TELEVISION	3161
SKYMASTER	3156 3157 3159
SKYSAT	3156 3157 3158 3159
SM ELECTRONIC	3156 3159
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SONY	3041 3048 3077 3078 3130
STAR CHOICE	3134 3136
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STS4	3071
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TECHNISAT	3156
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TELASAT	3157 3158
TELECOM	3159
TELEKA	3158
TELESAT	3157 3158
TELESTAR	3156
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THOMSON	3158 3159
TVAX	3098
TWO	3042 3051
TONNA	3159
TOSHIBA	3045
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URNSAT	3159
TWINNER	3159
UHER	3156
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UNIDEN	3054
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VIEWSAT	3089
VISIOSAT	3159
VOOM	3136
WELLTECH	3156
WETEKOM	3156 3157
WINEGARD	3107
WISI	3158
XSAT	3159
ZENITH	3046 3160 3164
ZENTECH	3097

# DVR

ABS	5011
ALIENWARE	5011
AT&T	5013
BANG & OLUFSEN	5012
CYBERPOWER	5011
DELL	5011
DIRECTV	5000 5002 5004 5007 5008 5010
DISH NETWORK	5009
DISHPRO	5009
ECHOSTAR	5009
EXPRESSVU	5009
GATEWAY	5011
GOI	5009
HEWLETT PACKARD	5011
HOWARD COMPUTERS	5011
HP	5011
HTS	5009
HUGHES NETWORK SYSTEMS	5000 5002 5004
HUMAX	5000
HUSH	5011
IBUYPOWER	5011
JVC	5000 5009
LINKSYS	5011
MEDIA CENTER PC	5011
MICROSOFT	5011
MIND	5011
NIVEUS MEDIA	5011
NORTHGATE	5011
PANASONIC	5006
PHILIPS	5000 5002 5003 5004
PROSCAN	5010
RCA	5000 5004 5010
REPLAYTV	5005
SAMSUNG	5000 5002 5004
SONIC BLUE	5005
SONY	5001 5011
STACK	5011
SYSTEMAX	5011
TAGAR SYSTEMS	5011
TIVO	5000 5001 5003 5004
TOSHIBA	5011
TOUCH	5011
ULTIMATE TV	5010
VIEWSONIC	5011

VOODOO	5011
ZI GROUP	5011

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GARRARD	4128 4130
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GLORY HORSE	4132
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GPX	4087 4130

GRADIENTE	4192
GRAND PRIX	4198
GREYFOX	4199
GRIFFIN	4200
HANWAH	4227
HARMAN/KARDON	4079 4113 4196
HEWLETT PACKARD	4228
HITACHI	4103
HITECH	4130
ILIVE	4108
IMERGE	4201
INKEL	4193 4229
INSIGNIA	4104 4139
INSTEN	4202
INTEGRA	4116
IPORT	4203
ISYMPHONY	4109
JAMO	4110
JBL	4084 4128
JERROLD	4244 4280
JVC	4029 4030 4031 4032 4033 4132 4173
KEF	4230
KENWOOD	4034 4035 4036 4037 4038 4058 4120
KIOTO	4131
KLH	4085 4122
KLIPSCH	4136 4204
KNOLL SYSTEMS	4167
KOSS	4102 4121 4130
KRELL	4095
LEFT COAST	4113
LEXICON	4250
LG	4080
LINN	4115 4196
LLOYD'S	4127
LOGITECH	4168
LUXMAN	4169 4176 4231
LXI	4130
MAGNADYNE	4232
MAGNAVOX	4060 4093 4115 4117 4127 4129 4196
MAGNUM DYNALAB	4233
MARANTZ	4092 4093 4113 4115 4179 4196 4316
MARK LEVINSON	4183 4251
MATRIX AUDIO	4234

MCE	4235
MCINTOSH	4096 4299
MEMOREX	4194 4300
MERIDIAN	4301
MICROMEGA	4236
MIDLAND	4170
MITSUBISHI	4083
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NAD	4126 4137 4252
NAKAMICHI	4125 4179 4253
NEC	4114 4254
NETGEAR	4205
NIKKO	4171 4255
NIRO	4238
NTDE GENIESOM	4130
NUBERT	4206
NUVO	4239
OLIVE	4207
OMNIFI	4208
ONKYO	4039 4040 4041 4042 4043 4061 4062 4065 4068 4077
OPTIMUS	4112 4117 4118 4119 4129 4130 4131 4180 4181 4197 4256
ORIENT POWER	4130
ORITRON	4121
PANASONIC	4019 4020 4021 4022 4023 4100 4101 4178
PARASOUND	4098 4257
PENNEY	4127 4258
PERFORMANCE TEKNIQUE	4259
PHILCO	4085
PHILIPS	4081 4093 4113 4115 4196
PIONEER	4024 4025 4026 4027 4028 4057 4066 4112 4117 4118 4129 4142 4143 4144 4145 4146 4147 4148 4149 4175 4181 4317 4318
POLAROID	4260
POLK AUDIO	4093 4113 4115 4196
PRIMA	4261
PRIMARE	4262
PROSCAN	4044
QISHENG	4187
RADIOSHACK	4130 4132
RCA	4044 4045 4046 4047 4085 4112 4117 4118 4119 4122 4129 4140 4181

REALISTIC	4127 4180 4188
RECCO	4131
REGENT	4184
REVOX	4263
RIO	4124 4133
ROKU	4209
ROTEL	4138 4264
RUSSOUND	4240
SAMSUNG	4064
SANGEAN	4241
SANSUI	4179 4196
SANYO	4103
SHARP	4088 4106 4182
SHARPER IMAGE	4131 4132
SHERWOOD	4075 4107 4302
SHURE	4114
SONAB	4303
SONIC	4128
SONIC BLUE	4124 4133
SONTEC	4304
SONY	4000 4001 4002 4003 4004 4005 4006 4007 4054 4055 4059 4070 4071 4072 4073
SOUNDESIGN	4111 4177 4197
SOUNDMATTERS	4099
SOUNDSTREAM	4172 4195
SPATIALIZER	4210
SPEAKERCRAFT	4242
SPHEREX	4305
STARLITE	4131
STEREOPHONICS	4118
SUNFIRE	4120 4306
SUPERTECH	4307
SYLVANIA	4131
TEAC	4085 4119 4122
TECHNICS	4022 4048 4178
TECHWOOD	4128 4308
TEKNIKA	4211
THORENS	4093
TIVOLI AUDIO	4212
TOPLINE	4309
TOSHIBA	4094
ULTRX	4310
UNIVERSUM	4311
VECTOR RESEARCH	4312
VELODYNE	4213
VENTURER	4085 4122

VICTOR	4173
VIDEOLGIC	4281
WADIA	4214
WARDS	4111 4175 4177 4196
WOLVERINE	4282
XANTECH	4185
XITEL	4215
YAMAHA	4008 4009 4010 4011 4012 4013 4014 4015 4016 4017 4018 4063 4067 4069 4082 4116 4150 4319 4320 4321 4322 4323 4324 4325 4326
YORK	4127
ZEKTOR	4216
ZENITH	4076 4128 4130
ZON	4245

## TV/DVD/VCR

Model	TV	DVD	VCR
Emerson	1217	2099	2099
Magnavox	1217	2099	2099
Panasonic	1013	2019	2204
SuperScan	1217	2099	2099
Sylvania	1217	2099	2061
	1038	2099	2099
Symphonic	1038	2099	2099
	1038	2099	2061
Toshiba	1007	2008	2189
	1007	2008	2191

## Home Theatre in a Box

w/VCR			
Brands	AUD	DVD	VCR
Audiovox	4085	2102	2196
Zenith	4076	2089	2064

w/o VCR			
Brands	AUDIO	DVD	
Amphion Media Works	4123	2248	
Apex	4086	2026	
BOSE	4056	2072	
	4056	2080	

Boston Acoustics	4135	2249
CambridgeSoundWorks	4105	2168
Classic	4087	2106
Coby	4078	2091
Curtis	4089	2091
Denon	4049	2109
Emerson	4097	2120
GPX	4087	2106
iLive	4108	2170
Insignia	4104	2167
iSymphony	4109	2157
Jamo	4110	2171
JBL	4084	2100
JVC	4029	2093
	4031	2113
	4032	2087
	4033	2093

Klipsch	4136	2250
Koss	4102	2164
LG	4080	2096
Magnavox	4060	2075
NAD	4137	2251
Onkyo	4077	2094
Panasonic	4019	2071
	4020	2071
	4021	2082
	4100	2163
	4101	2017
Philips	4081	2075
Pioneer	4024	2039
Samsung	4064	2077

	4064	2262
Sanyo	4103	2165
Sharp	4106	2169
Sherwood	4107	2168
Sony	4000	2074
	4000	2078
	4000	2083
	4054	2070
Toshiba	4094	2162
Venturer	4085	2166
Yamaha	4082	2103

## Combo TV/ VCR

Model	TV	VCR
Citizen	1216	2260
Colt	1213	2258
Daewoo	1216	2260
Emerson	1216	2260
GE	1214	2052
Goldstar	1215	2259
Magnasonic	1216	2260
Magnin	1214	2052
Memorex	1212	2257
	1215	2259
MGA	1214	2052
Optimus	1212	2257
Panasonic	1012	2203
	1212	2257
	1009	2202
Penney	1214	2052
	1215	2259
Philips	1028	2066
Quasar	1212	2257
RCA	1214	2052
	1015	2205
	1016	2206
Samsung	1026	2207
Sanyo	1214	2052
Sears	1215	2259
Sony	1003	2201
Sylvania	1036	2060

## Combo TV/ DVD

Model	TV	DVD
Akai	1142	2137
Apex	1091	2024
Audiovox	1095	2110
Axion	1143	2138
Coby	1102	2116
Cytron	1141	2136
Diamond Vision	1166	2174
Disney	1089	2092
Dynex	1132	2160
GFM	1038	2125
Haier	1137	2141
Ilo	1140	2134
Initial	1140	2134
Insignia	1130	2140
LG	1045	2111
Mintek	1140	2134
Oppo	1144	2139
Panasonic	1097	2112
Philips	1098	2037
	1033	2038
	1033	2095
Polaroid	1103	2119
Prima	1111	2159
RCA	1014	2069
Sansui	1101	2007
Sharp	1022	2114
Sylvania	1033	2095
	1037	2124
	1038	2125
	1040	2247
Toshiba	1006	2007
	1007	2008
	1080	2007
Westinghouse	1094	2107

## Combo DVD/ VCR

Model	DVD	VCR
Apex	2026	2256
Broksonic	2210	2210
CineVision	2108	2208
Emerson	2185	2185
Funai	2185	2185
Goldstar	2089	2064
JVC	2030	2197
	2030	2193
	2031	2198
	2031	2194
	2032	2199
	2032	2195
	2033	2200
LG	2085	2190
Memorex	2210	2210
Panasonic	2016	2016
	2017	2044
	2018	2018
Philips	2185	2185
Polaroid	2026	2256
Presidian	2185	2185
Pye	2038	2209
Samsung	2011	2192
	2073	2057
	2263	2264
Sansui	2210	2210
Sony	2002	2002
	2003	2003
	2004	2004
Sylvania	2185	2185
Symphonic	2185	2185
Toshiba	2068	2187
Zenith	2089	2064

**Note:** In the event that the remote locks up due to excessive electro static discharge, the remote may need to be reset by removing and reinserting the batteries.

# Thank You!

Thank you for purchasing SMK-Link's Blu-Link™ Universal Remote control for PlayStation® 3.

Blu-Link™ is unique because it has both a Bluetooth radio for communicating with Sony's PlayStation® 3 and an infrared transmitter for controlling the rest of the devices in your home theater system.

This User's Guide is designed to help guide you through setting up your Blu-Link™ Universal Remote Control. Since we support so many different devices, the setup codes for more obscure devices can be found on our website.

The process of setting up your remote to control your equipment is an easy step-by-step process. Should you need additional help with setting up your remote, we have the following additional resources:

**[www.blu-link.com](http://www.blu-link.com)**

**888-696-3500**

**[pcsupport@smkusa.com](mailto:pcsupport@smkusa.com)**

Additional help and resources

Toll free technical support

Free email technical support