



AT6420 AllTouch RF and IR Universal Remote Control

User Guide

Welcome to the Ultimate Control Experience

Your new AT6420 AllTouch® Radio Frequency (RF) and Infrared (IR) Universal Remote Control (remote) is a true universal remote, functioning as four remotes in one. As one example, you can use this remote to operate your set-top, your TV, and two other devices, such as a DVD player and VCR.

Important Information About Your Remote

Your remote is initially programmed to only operate your set-top. Therefore, you must program the remote to operate your TV, VCR, or other devices. See **Program the Remote to Control My Devices** to learn how to enter device codes and program your remote.

Notes:

- You must program a HomeID before using this remote.
- You must also program a Decoder ID if you are using multiple remotes per set-top.

How Does A Universal Remote Control Work?

You tell the remote which type of device you want to operate using the four keys arched across the top of the remote. These keys, known as **mode keys**, are labeled **STB**, **TV**, **DVD**, and **AUX**. Each mode key is associated with a specific device. As an example, after programming the remote, if you want the remote to operate your TV, you simply press the TV key. Other keys you press on the remote, thereafter, should operate your TV. Want to switch the remote to operate a different device? Just press the mode key for the next device you want to operate. In this guide, you will learn which types of devices you can control and how to program the remote to control your specific devices.

Where Do I Start?

Before you begin using your remote, complete the following initial setup tasks.

Install the Batteries

The remote requires two AA batteries (alkaline recommended). A diagram in the battery compartment of the remote indicates proper placement of the batteries. When batteries are properly installed, the light on the remote blinks each time a key is pressed.

About HomeID

The set-top is equipped with an RF receiver. Programming the HomeID in the remote is necessary when RF is used to transmit signals to the set-top from the remote in order to limit interference with set-tops in other rooms or in your neighbors' homes. Go to the **Program HomeID** section of this guide for instructions.

Note: The remote uses IR signals when programming the HomeID and to control devices other than the set-top.

Program the Remote to Control My Devices

Your remote is initially programmed to only operate your set-top. You will need to set up the remote to operate your other devices using its TV, DVD, and AUX modes. The TV key may be programmed to operate a standard or high-definition television (HDTV). The DVD key may be programmed to operate a DVD player. The AUX key may be programmed to operate a VCR, a receiver, an amplifier, or a Home Theater in a Box (HTIB) system. If the remote provides only limited functionality for a device, you can look for a code that provides more functionality. Refer to the code tables at the end of this guide to locate additional programming codes.

Note: You have the option to assign some remote keys to operate one device type only. For example, you may want to assign volume control to the TV only. If this is the case, you can reprogram power, volume, and channel control using procedures found later in this guide.

Assigning a Device Code to a Mode Key

- Refer to the code tables at the end of this guide to locate the information for the device you want to program.
- Turn on the device that you want to assign to a mode key.
- Press and hold the appropriate mode key (**TV**, **DVD**, or **AUX**) on the remote, and then press and hold the **OK** key.
- Release *both* keys and the mode keys blink twice.
- Enter the first 4-digit setup code for the device using the numeric keys (0-9) on the remote. The mode key blinks three times to indicate that the code entry was accepted.

Notes:

- When an invalid code is entered, the selected mode key displays a long flash to indicate that you have not entered the code correctly.
 - Should the remote time-out before you complete the code setup, you must start over. This is indicated by one long flash of the red LED.
- Point the remote at the device, and press **POWER** to test the device.
 - Did the device power off?
 - If **yes**, write this code number in the table found in this guide. You may need it again if the device code is accidentally erased.
 - If **no**, repeat this procedure from step 3 using a different setup code.
- Note:** If none of the codes listed for your brand of device operate the device correctly, go to **What If None of the Codes Work** for instructions.
- Repeat this procedure for each mode key you want to program.

What If None of the Codes Work?

If none of the codes listed for your brand of device operate the device correctly, or if your device is not listed in the codes table, you can use the Auto-Search function to search through the code library for a valid code. This section provides procedures for using the Auto-Search function to search the code library for TV, DVD and AUX mode codes.

Note: Read the procedures in this section thoroughly before beginning. You need to be prepared to observe the behavior of the remote.

Auto-Search Features

Consider the following items when using Auto-Search:

- The Auto-Search function begins searching from the first code.
- If a valid code is not found, the green backlight blinks twice and the remote returns to normal operation.
- If any other key is pressed except PLAY, ENTER, POWER, EXIT, REW, FF, or numeric keys 1 through 4 (when programming the AUX mode key), the mode key displays a long red flash (error message) and the remote returns to normal operation.
- Should the remote time-out before you complete the Auto-Search function you must start over. This is indicated by one long flash of the red LED.
- If the device is not listed and the Auto-Search function is unable to find a usable code, you may need to use the original remote provided with the device.

Auto-Searching the Code Library for TV or DVD Mode Codes (Program Code 922)

Note: This procedure only applies to TVs and DVDs.

- Turn on the device you that you want to assign to the TV or DVD key.
- Point the remote at the device.
- Press and *while holding* a selected mode key (**TV** or **DVD**), press the **OK** key. For example, to search for a TV code, press and hold **TV** and **OK** at the same time.
- Release *both* keys and all the mode keys blink twice.
- Enter the programming code **9 2 2** by pressing the numeric keys on the remote. The mode key you selected in step 3 blinks twice to indicate a successful entry.
- Point the remote toward the device, and press **PLAY**.
- Your device powers off when it finds the correct code. Then, choose one of the following options:
 - Save code and exit** – Press the **ENTER** key on the remote to program the code in the remote and the mode key flashes three times indicating successful entry.
 - Step forward** – Press the fast-forward (**FF**) key on the remote to step ahead through the codes one at a time. Then, return to step 7.

- Step backward** – Press the rewind (**REW**) key on the remote to step back through the codes one at a time. Then, return to step 6.
- Step backward** – Press the rewind (**REW**) key on the remote to step back through the codes one at a time. Then, return to step 6.
- Exit without saving the code** – Press the **EXIT** key on the remote. The selected mode key flashes three times and returns to normal operation.
- Send the current code** – Press the **POWER** key on the remote to send the current code. If the device turns back on, press the **ENTER** key. If the device does not turn on, return to step 7.
- Continue with auto-search function** – Press the **PLAY** key on the remote to continue with the auto-search function. Then, return to step 7.

Reassign Mode Keys

You can reassign a mode key to operate a different device. For example, you can reassign the AUX key to operate a DVD player or a TV. If you reassign a key, be sure you update the table found in this guide.

Reassigning Mode Keys (Program Code 944)

- Press and hold the **STB** mode key on the remote.
 - Without releasing the **STB** key, press and hold the **OK** key.
 - Release *both* the keys and all mode keys flash twice.
 - Enter the programming code **9 4 4** by pressing the numeric keys on the remote. The STB mode key blinks twice indicating a successful entry.
 - Press and release the mode key associated with the type of device you want to control, and then press and release the mode key that you want to change. The newly assigned mode key blinks one time indicating a successful entry.
- For example:** To program the AUX key to operate your DVD player, press **DVD** and then **AUX**.

Program HomeID (Program Code 914)

Programming the HomeID in the remote is necessary when radio frequency (RF) is used to transmit signals to the set-top from the remote.

The set-top is equipped with an RF receiver. When using an RF remote, a HomeID is required for proper communication between the RF remote and the set-top. After the appropriate assignment, the RF remote will then be uniquely used for the assigned set-top.

The use of RF in the remote enables "through walls" control of the set-top. It may be used to transmit instructions from another room. The use of HomeID also limits any interference with set-tops in other rooms or in your neighbors' homes.

All RF devices have the HomeID set to **000** by default. Complete the following steps to set a *new* HomeID.

- Ensure that the set-top is plugged into an electrical outlet and that you have the remote in the same room as the set-top.
- Press and hold the **STB** mode key on the remote.
- Without releasing the **STB** mode key, press and hold the **OK** key.
- Release *both* the **STB** mode key and the **OK** key. You should see *all* the mode keys flash red two times. This indicates that you are now ready to enter the HomeID code.
- Enter the 3-digit code **9 1 4** by pressing the number keys on the remote. You should see the STB mode key flash red two times. This indicates that you have successfully entered the code.
- Now enter your own choice of a 3-digit code from **000** to **255** by pressing the number keys on the remote. This will be your unique new HomeID code. Be sure to record your HomeID in the space provided at the end of this section.

Notes:

- If a valid HomeID code is entered, the STB mode key will flash red two times. This indicates that you have successfully entered a valid HomeID code (000 to 255). Go to step 7 of this procedure.
- If an *invalid* HomeID code is entered, the STB mode key will display a long red flash. This indicates that you have not entered a valid HomeID code (000 to 255). The remote then returns to normal operation. You will have to start over from step 1 of this procedure.
- Point the remote toward the set-top and then press the **ENTER** key on the remote. The remote transmits the HomeID code using IR. The red LED will illuminate during transmission of the HomeID code.
- To store your new HomeID code into the remote code, press the **ENTER** key on the remote again.

Notes:

- If any other key is pressed except the number keys and the **ENTER** key, the remote will not accept any changes or updates. The STB mode key will display a long red flash and the remote returns to normal operation.
- If the remote times out before you complete programming the HomeID code, the remote will not accept any changes. You will have to start over from step 1 of this procedure.

Program Decoder ID (Program Code 912)

Programming the Decoder ID is necessary to identify each set-top box assigned to different rooms in the home or office. All RF devices have the Decoder ID set to **00** by default. Complete the following steps to set a new Decoder ID.

- Ensure that the set-top is plugged into an electrical outlet and that you have the remote in the same room as the set-top.
- Press and hold the **STB** mode key on the remote.
- Without releasing the **STB** mode key, press and hold the **OK** key.
- Release *both* the **STB** mode key and the **OK** key. You should see *all* the mode keys flash red two times. This indicates that you are now ready to enter the Decoder ID code.
- Enter the 3-digit code **9 1 2** by pressing the number keys on the remote. You should see the STB mode key flash red two times. This indicates that you have successfully entered the code.
- Now enter your own Decoder ID choice of either 1, 2, or 3 by pressing the number keys on the remote. This will be your unique new Decoder ID code. Be sure to record your new Decoder ID in the space provided at the end of this section.

Notes:

- If a valid Decoder ID code is entered, the STB mode key will flash red three times. This indicates that you have successfully entered a valid Decoder ID code (1, 2, or 3). The new valid Decoder ID is stored into the EEPROM of the remote. The remote then returns to normal operation.
- If an *invalid* Decoder ID code is entered, the STB mode key will display a long red flash. This indicates that you have not entered a valid Decoder ID code (1, 2, or 3). The remote then returns to normal operation. You will have to start over from step 1 of this procedure.

Notes:

- If any key other than the required digit key and the on-display menu control keys are pressed during the Decoder ID programming, the STB mode key will display a long red flash and the remote will return to normal operation.
- If the remote times out before you complete programming the Decoder ID code, the remote will not accept any changes. You will have to start over from step 1 of this procedure.
- If you are unable to program a new Decoder ID, the previous Decoder ID is retained.

Change Volume Control

By default, once the TV mode key is programmed with a valid code, the volume and mute buttons control your TV. These keys adjust the volume of your TV higher, lower, or temporarily switch the volume off (Mute), regardless of whether the remote is in STB, TV, DVD, or AUX mode.

If you prefer, you can choose to have the volume and mute buttons always control a different device rather than your TV, such as a home theater receiver. (See **Controlling Volume for One Device** below.) Note that you must first program one of the mode keys, such as AUX, with a valid code for that device.

Alternatively, you can choose to have the volume and mute buttons control different devices when the remote is in different modes. For example, you might want to control the volume on your TV when in TV mode, but the volume on your home theater receiver when in AUX mode. (See **Controlling Volume for Different Devices** below.) Note that not all devices have volume controls, so if you choose this option, the volume and mute buttons may do nothing in some modes, such as STB and DVD.

Controlling Volume for One Device (Program Code 955)

- Press and hold the **STB** mode key on the remote.
- Without releasing the **STB** key, press and hold the **OK** key.
- Release *both* keys and all mode keys blink twice.
- Enter the programming code **9 5 5** by pressing the number keys on the remote. The STB mode key blinks twice indicating a successful entry.

- Press and release the mode key for the device you want the volume keys to control. For example, if you want to control volume through your TV, press and release **TV**. The selected mode key blinks three times to indicate a successful entry.

The volume keys now control only one device whether you are in STB, TV, DVD, or AUX mode.

Controlling Volume for Different Devices (Program Code 955)

- Complete steps 1 through 4 of the **Controlling Volume for One Device** procedure.
 - Press and release the **Enter** key. The STB mode key blinks three times to indicate a successful entry.
- After you press the **Enter** key, the volume keys control the device assigned to that mode. For example, in TV mode, the volume keys control volume for the TV only.

Notes:

- If any other key is pressed except the Mode keys and the **ENTER** key, the remote does not accept any changes or updates. The STB mode key displays a long red flash and the remote returns to normal operation.
- If the remote times out before you complete programming volume control, the remote does not accept any changes. You must start over from step 1 of this procedure.

Change Channel Control

The remote is set by default to control channel selection on the set-top. You can also program channel control to control any of the TV, DVD, or AUX mode devices provided the device allows for channel control assignment. Or, you can set the channel selection control programming to control channels (or page up or down) for all of the devices programmed in the four mode keys. Otherwise, you can only control channels (or page up or down) on a specific device, for example, the TV or DVD.

Note: The channel control keys include CH/Page, Jump, and the numeric keys 0 through 9.

Controlling Channels for One Device (Program Code 966)

- Press and hold the **STB** mode key on the remote.
- Without releasing the **STB** key, press and hold the **OK** key.
- Release *both* keys and all mode keys blink twice.
- Enter the programming code **9 6 6** by pressing the numeric keys on the remote. The STB mode key blinks twice to indicate a successful entry.
- Press and release the mode key for the device you want the channel key to control. For example, if you want to control channels on your TV, press and release **TV**. The selected mode key blinks three times to indicate a successful entry.

The channel key now always controls the device associated with the mode you selected in this procedure, whether in STB, TV, DVD, or AUX mode.

Controlling Channels for Different Devices (Program Code 966)

- Complete steps 1 through 4 of the **Controlling Channels for One Device** procedure.
- Press and release the **Enter** key. The STB mode key blinks three times to indicate a successful entry.

After you press the **Enter** key, the channel key now controls the device associated with the mode key you select. For example, in TV mode, the channel key controls the TV, but in STB mode, the channel key controls the set-top.

Notes:

- If any other key is pressed except the Mode keys and the **ENTER** key, the remote does not accept any changes or updates. The STB mode key displays a long red flash and the remote returns to normal operation.
- If the remote times out before you complete programming channel selection control, the remote does not accept any changes. You must start over from step 1 of this procedure.

Change Power Control

The POWER key on the remote is set by default to control the power switch on one device at a time, in either mode (STB, TV, DVD, or AUX). When in STB mode, the remote switches the set-top from OFF (standby mode) to ON, or from ON to OFF (standby mode). However, you can alternatively program the POWER key to control the power switch on up to four devices at the same time, instead of controlling one device at a time. It is highly recommended that you set up the POWER key to turn on and off your set-top and your TV at the same time. Turning off the set-top saves electricity and extends the life of the box. When turned off, the set-top can *still* record scheduled programs on its DVR and perform any other necessary functions.

Controlling Power for Multiple Devices at Once (Program Code 977)

- Press and hold the **STB** mode key on the remote.
- Without releasing the **STB** key, press and hold the **OK** key.
- Release *both* keys and all mode keys blink twice.
- Enter the programming code **9 7 7** by pressing the numeric keys on the remote. The STB mode key blinks twice to indicate a successful entry.
- For the first device, press the **STB** key. The STB mode key blinks twice.

- For the second device, press the applicable mode key (TV, DVD, or AUX). The selected mode key blinks twice.

- Repeat step 6 for up to two more devices (total of four devices).

- Press the **ENTER** key to complete the power switch control programming. The last selected mode key blinks 3 times to indicate a successful entry.

Example: In an example scenario where you press only TV in steps 6 and 7, the POWER key controls *both* the set-top and the TV at the same time, regardless of which mode the remote is in (STB, TV, DVD, or AUX).

Controlling Power for One Device at a Time (Program Code 977)

- Complete steps 1 through 4 of the **Controlling Power for Multiple Devices at Once** procedure.
- Press the **ENTER** key to complete the power switch control programming. The last selected mode key blinks 3 times to indicate a successful entry.

After you select a mode, the POWER key controls the device assigned to that mode. For example, in TV mode, the remote controls power for the TV only.

Notes:

- If any other key is pressed except the Mode keys and the **ENTER** key, the remote does not accept any changes or updates. The STB mode key displays a long red flash and the remote returns to normal operation.
- If the remote times out before you complete programming power switch control, the remote does not accept any changes. You must start over from step 1 of this procedure.

Put It Back the Way I Got It

You can return all advanced functions back to their original settings by resetting the remote to factory default settings. Resetting the remote to factory default settings removes all of the programming you have entered for the remote. You must reprogram the remote to restore your original settings.

Resetting the Remote to Factory Default Settings (Program Code 900)

- Press and hold the **STB** mode key on the remote.
- Without releasing the **STB** key, press and hold the **OK** key.
- Release *both* keys and all mode keys blink twice.
- Enter the programming code **9 0 0** by pressing the numeric keys on the remote. The STB mode key blinks four times to indicate you have successfully reset the remote to factory default settings.

Notes:

- If any other key is pressed except the numeric keys, the remote does not accept any changes or updates. The STB mode key displays a long red flash and the remote returns to normal operation.
- If the remote times out before you complete the factory default reset procedure, the remote does not accept any changes. You must start over from step 1 of this procedure.

Troubleshooting

If there is no response when you press the keys on the remote, please check the following items before calling for service.

Check the Batteries

- Are the batteries inserted correctly?
- Check the battery condition for leakage.
- Replace with new alkaline batteries.

Check the Device

- Is the device's power cord connected to the power outlet?
- Is the device switched on?

Check the IR Database Codes List

Is the device brand name for the device listed in the code list?

- If **yes** and there is more than one code listed, try using a different code to provide more functionality.

- If **no**, try the following:
 - Use the Auto-Search function to find a usable code.
 - If the Auto-Search function is unable to find a usable code, you may need to use the original remote provided with the device.

Code Tables

If the remote does not recognize your device, you can find codes for your device by brand name. Code tables in this section are organized by the devices assigned to each mode (TV, DVD, and AUX).

TV Mode Group	
TV	
Abex	1098
Admiral	1009, 1022, 1023
Advent	1285, 1376, 1478, 1285, 1594
Adventura	1100
Aiko	1015
Alwa	1034, 1098
Alkal	1016, 1061, 1156, 1432, 1524, 1612
Alaron	1022
Alienware	1408
America Action	1036
AOC	1018, 1361, 1562, 1600, 1635
Apex Digital	1068, 1111, 1163, 1520
Audiovox	1036, 1135, 1455
Bang & Olufsen	1453
Belcor	1018
Bell & Howell	1001, 1043
BenQ	1041, 1136, 1545, 1557
Bradford	1036
Broksonic	1023, 1028, 1114, 1382
Brokwood	1018
Candle	1007, 1061, 1100, 1363
Celebrity	1002
Clarion	1011, 1015, 1061, 1073, 1100,1114, 1363
Concerto	1363
Contec	1036
Craig	1036
Cresley	1002, 1047
Crown	1011, 1036
Curtis	1320, 1629, 1642
Curtis Mathes	1001, 1009, 1013, 1043, 1073, 1094, 1385
CXC	1036
Cytron	1232, 1456
Daewoo	1011, 1013, 1015, 1108, 1043, 1106, 1135, 1508, 1524, 1638
Daytron	1018
Diamond/Vision	1499, 1461
DirectTV	1374
Dumont	1018, 1020
Durabrand	1023, 1024, 1036, 1333, 1481
Dynex	1511, 1589, 1598, 1609
Electroband	1002
Electrohome	1023
Emerson	1011, 1020, 1022, 1023, 1028, 1031, 1033, 1036, 1044, 1045, 1080, 1097, 1101, 1102, 1107, 1382, 1465
Envision	1061, 1361, 1529, 1562
Fisher	1043
Fujitsu	1007, 1022, 1029
Funai	1002, 1022, 1-24, 1036, 1090, 1554
Futurtec	1036
Gateway	1038, 1042, 1408
GE	1000, 1003, 1004, 1008, 1021, 1048, 1049, 1063, 1068, 1094, 1144, 1164, 1224, 1367, 1380, 1381, 1385, 1386
Gibraltar	1018, 1020, 1061
Goldstar	1004, 1005, 1011, 1018, 1050, 1090, 1091, 1097, 1098, 1400, 1401
Grumpy	1022, 1036
Hallmark	1333
Harley Davidson	1022, 1090
Harvard	1036
Hisense	1112, 1602, 1630, 1637
Hitachi	1004, 1011, 1012, 1051, 1052, 1084, 1085, 1086, 1087, 1102, 1225, 1384
HP	1408, 1419, 1517
i-lnc	1578
i-lo	1040, 1436, 1457
Insignia	1024, 1232, 1437, 1501, 1507, 1519, 1593, 1595, 1596, 1598, 1601, 1636
Infinity	1047
Janeil	1100
JBL	1042
JCB	1007
Jensen	1285, 1376, 1521, 1594
JVC	1011, 1012, 1026, 1049, 1052, 1054, 1055, 1080, 1092, 1117, 1131, 1235, 1288, 1299
KEC	1036
Kenwood	1018, 1061
Kloss	1100
KTV	1011, 1036, 1061, 1101, 1490
LG	1020, 1146, 1255, 1333, 1584, 1631
Linksys	1408
Lloyds	1000
Logik	1001
Luxman	1363
LXI	1043, 1047, 1058, 1068, 1094, 1333
Magnavox	1004, 1007, 1018, 1053, 1056, 1057, 1059, 1060, 1083, 1101, 1147, 1228, 1260, 1300, 1301, 1302, 1321, 1326, 1339, 1365, 1366, 1371, 1384, 1387
Magnin	1380
Majestic	1001
Marantz	1017, 1047, 1061,1113, 1239, 1525, 1641
Media Center	1408
Megatron	1333, 1051
Memorex	1001, 1022, 1023, 1121, 1333
MGA	1018, 1032, 1061, 1333, 1380
Midland	1011, 1020, 1049, 1068, 1094, 1098
Minutiz	1021
Mitsubishi	1005, 1009, 1018, 1032, 1153, 1333, 1535, 1540
Monivision	1257, 1477
Motorola	1009
MTC	1018, 1061, 1073, 1363
Multitech	1036, 1490
NAD	1058, 1333, 1363, 1550
NEC	1018, 1061, 1193, 1363, 1377, 1423, 1523, 1525, 1543
Net TV	1038
Nikko	1015, 1061, 1333

Norcent	1112, 1183, 1531, 1562, 1568, 1569
NITC	
Olevia	1004, 1406, 1421, 1463, 1488
Onwa	1036
Optimus	1043, 1096, 1145, 1165, 1169, 1305
Optonica	1009, 1064
Orion	1022, 1023, 1028, 1121, 1122, 1382, 1511
Otic	1643
Panasonic	1003, 1010, 1049, 1053, 1096, 1123, 1152, 1231, 1289, 1292, 1295, 1303, 1304, 1305, 1306, 1385
PARK	1603
Penney	1011, 1012, 1018, 1021, 1058, 1063, 1073, 1094, 1098, 1333, 1380, 1385, 1558
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	1011, 1018, 1061
Pioneer	1035, 1102, 1149, 1193, 1469
Polaroid	1040, 1111, 1232, 1262, 1371, 1391, 1392, 1393, 1407, 1440, 1446, 1460, 1565, 1583, 1596, 1604
Portland	1011, 1013, 1015, 1018, 1135
Prima	1285, 1376, 1476, 1521, 1594
Princeton	1257
Prism	1049
Proscan	1000, 1061, 1068, 1094, 1396, 1558, 1605, 1614
Proton	1333
Protron	1430, 1494
Proview	1407, 1565
Pulsar	1018, 1020
Quasar	1049, 1064, 1096, 1169, 1305, 1385
Radio Shack	1011, 1016, 1043, 1061, 1064, 1068, 1090, 1094, 1098, 1333, 1363
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, 1373, 1379, 1380, 1381, 1385, 1386
Realistic	1011, 1018, 1036, 1043, 1061, 1064, 1098, 1333, 1363
Redwin-1D	1570
Ricavision	1408
Runco	1020, 1061, 1150, 1523, 1571
Sampo	1011, 1038, 1061, 1098
Samsung	1004, 1005, 1011, 1014, 1018, 1019, 1072, 1073, 1074, 1097, 1098, 1156, 1161, 1297, 1323, 1360, 1363, 1364
Satmax	1011
Sansui	1023, 1024, 1064, 1090, 1114, 1121, 1382, 1593
Sanyo	1043, 1047, 1062, 1095, 1380, 1527
Scaptre	1467, 1542, 1551, 1561
Scimitus	1018
Scotch	1333
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