



AT6400 AllTouch IR Universal Remote Control

User Guide

Welcome to the Ultimate Control Experience

Your new AT6400 AllTouch® 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.

Note: You must use the IR remote within line of sight of the set-top to operate the set-top correctly.

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.

Visit the Quick Reference Section

Use the Quick Reference section of this guide to familiarize yourself with the remote and the functions of its various keys. Knowing the function and location of the keys on the remote will assist you when you are programming the remote.

Program the Remote

To learn how to program your remote, refer to the sections **What Devices Can I Control**, **What Devices Do I Want to Control**, and **Program the Remote to Control My Devices** for further instructions.

Find a Place to Store Your Remote

Keeping up with one remote is much easier than keeping up with four or five remotes. However, it is still a good idea to find a storage location for your remote. The AT6400 is not a toy. It should be kept out of the reach of children under the age of 6 years.

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

1. Refer to the code tables at the end of this guide to locate the information for the device you want to program.

Note: If your device is not listed, you may be able to program the remote using the Auto-Search function. Go to **What if None of the Codes Work** for instructions.

2. Turn on the device that you want to assign to a mode key.

3. Press and hold the appropriate mode key (**TV**, **DVD**, or **AUX**) on the remote, and then press and hold the **OK** key.

4. Release *both* keys and the mode keys blink twice.

5. 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.

6. Point the remote at the device, and press **POWER** to test the device.

7. 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.

8. 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.

1. Turn on the device you that you want to assign to the TV or DVD key.
2. Point the remote at the device.
3. 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.
4. Release *both* keys and all the mode keys blink twice.

5. 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.

6. Point the remote toward the device, and press **PLAY**.

7. 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 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 6.
- **Continue with auto-search function** – Press the **PLAY** key on the remote to continue with the auto-search function. Then, return to step 6.

Auto-Searching the Code Library for AUX Mode Codes (Program Code 922)

1. Turn on the device that you want to assign to the AUX key.
2. Point the remote at the device.
3. Press and *while holding* the **AUX** key, press the **OK** key.
4. Release *both* the **AUX** key and the **OK** key and all the mode keys blink twice.
5. Enter the programming code **9 2 2** by pressing the numeric keys on the remote. The AUX key blinks twice indicating a successful entry.
6. Press the **PLAY** key, choose one of the following device categories and then, using the number keys on the remote, press its assigned number (1 – 4) based on the following list:

- 1 = VCRs
- 2 = Receiver/Tuners
- 3 = Amplifiers
- 4 = HTIB

Note: The device categories are number-coded to provide a more direct programming method.

7. Point the remote toward the device, and press **PLAY**.

8. 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 7.
- **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)

1. Press and hold the **STB** mode key on the remote.
2. Without releasing the **STB** key, press and hold the **OK** key.
3. Release *both* the keys and all mode keys flash twice.
4. 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.
5. 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.

LED Indicators

There are red LEDs underneath each of the four mode keys (STB, TV, DVD, and AUX) that flash each time a key is pressed to show which device the key is currently controlling.

There are also green LEDs that illuminate several keys whenever the remote is in use. They stay illuminated for a short time after a key is pressed.

During programming, if the remote times out before you complete the code setup, you will need to start over. This is indicated by one long flash of the red LED.

What Devices Do I Want to Control?

To help you keep track of the devices you want to control, list the type of devices you have (including brand) in the following table. Then, use the code tables at the end of this guide to locate the codes for your device. For example, look under **TV Group** if you need to program the remote to operate your TV. If you have two devices that use the same key, you must reassign the TV, DVD, or the AUX key. The STB key cannot be reassigned. Go to **Reassign Mode Keys**. Otherwise, go to **Program the Remote to Control My Devices** for additional instructions.

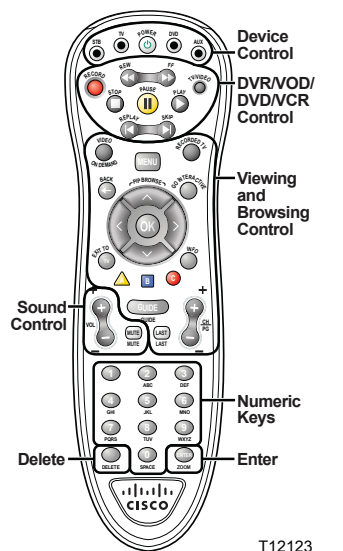
Mode Key	Device Type	Brand	Code
<i>Example: DVD</i>	DVD	Sony	2066
TV			
DVD			
AUX			

Each mode key is associated with different types of devices. You can use each mode key to control one of its associated devices:

Mode Key	Associated Devices
STB	IP gateway set-top
TV*	TVs (including HDTVs)
DVD*	DVD players
AUX*	VCRs, receivers, tuners, and Home Theater in a Box (HTIB)

* These keys can be reassigned to control different devices. Go to the **Reassign Mode Keys** section of this guide for instructions.

Quick Reference



Device Control

- Turns devices on or off
- Enables set-top mode functions
- Enables TV mode functions
- Enables DVD mode functions
- Enables AUX mode functions

DVR, VOD, DVD, VCR Control

Notes:

- In STB mode, these keys control DVR and VOD functions.
- In DVD and AUX modes, these keys may control your DVD or VCR depending on how you have programmed the remote.

- Records the selected program
- Stops DVD, VCR, VOD, or DVR content
- Pauses DVD, VCR, VOD, or DVR content
- Plays DVD, VCR, VOD, or DVR content
- Scrolls through available TV or video input sources

- Rewinds or fast forwards through DVR or VOD content
- Rewinds or fast forwards through DVR or VOD content

- Skips backward or forward through DVR or VOD content
- Skips backward or forward through DVR or VOD content

Viewing and Browsing Control

- Accesses the On Demand menu
- Returns to previous screen
- Accesses the Main Menu
- Accesses the DVR list of recordings
- Enables Interactive mode
- Moves through selections
- Selects and deselects screen items
- Returns from menu screens and to viewing TV or video

- Selects options in menus and the program guide

- Displays text information about the selected program
- Displays or closes the IPG
- Returns to last channel viewed

- Selects the next channel, up or down, when watching TV. Moves up or down one page in the IPG and in some menu screens

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)

1. Complete steps 1 through 4 of the **Controlling Channels for One Device** procedure.
2. 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)

1. Press and hold the **STB** mode key on the remote.
2. Without releasing the **STB** key, press and hold the **OK** key.
3. Release *both* keys and all mode keys blink twice.
4. 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.
5. For the first device, press the **STB** key. The STB mode key blinks twice.
6. For the second device, press the applicable mode key (TV, DVD, or AUX). The selected mode key blinks twice.
7. Repeat step 6 for up to two more devices (total of four devices).
8. 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)

1. Complete steps 1 through 4 of the **Controlling Power for Multiple Devices at Once** procedure.
2. 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.

Some common examples:

- To program the AUX key to operate your DVD player, press **DVD** and then **AUX**.
- To program the DVD key to operate your TV, press **TV** and then **DVD**.

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)

1. Press and hold the **STB** mode key on the remote.
2. Without releasing the **STB** key, press and hold the **OK** key.
3. Release *both* keys and all mode keys blink twice.
4. 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.
5. 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)

1. Complete steps 1 through 4 of the **Controlling Volume for One Device** procedure.
2. 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)

1. Press and hold the **STB** mode key on the remote.
2. Without releasing the **STB** key, press and hold the **OK** key.
3. Release *both* keys and all mode keys blink twice.
4. 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.
5. 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.

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, 1476, 1285, 1594
Adventura	1400
Aiko	1015
Aiwa	1034, 1098
Akal	1016, 1061, 1156, 1432, 1524, 1612
Alaron	1022
Alienware	1408
American 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
Citizen	1011, 1015, 1061, 1073, 1100,1114, 1363
Clarion	1036
Concerto	1408
Contec	1036
Craig	1036
Crosley	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, 1018, 1043, 1106, 1135, 1508, 1524, 1638
Dayton	1018
Diamond/Vision	1499, 1461
DirecTV	1374
Dumont	1018, 1020
Durabrand	1023, 1024, 1036, 1333, 1481

TV, continued	
Dynex	1511, 1589, 1598, 1609
Electroband	1002
Electrohme	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
Futuretec	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
Grundy	1022, 1036
Hallmark	1333
Harley Davidson	1022, 1030
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-linc	1000
ilo	1040, 1436, 1457
Insignia	1024, 1232, 1437, 1501, 1507, 1519, 1593, 1595, 1596, 1598, 1601, 1636
Infinity	1047
Jansal	1100
JBL	1047
JCB	1002
Jensen	1285, 1376, 1521, 1594
JVC	1011, 1012, 1028, 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
Lloyd's	1090
Logik	1001
Luxman	1363
LXI	1043, 1047, 1058, 1068, 1094, 1333
Magnavox	1004, 1007, 1018, 1053, 1056, 1057, 1059, 1060, 1083, 1110, 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
Megalton	1333, 1051
Memorex	1001, 1022, 1023, 1121, 1333
MGA	1018, 1032, 1061, 1333, 1380
Midland	1011, 1020, 1049, 1068, 1094, 1098
Minut	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
Olevia	1004, 1406, 1421, 1463, 1488
Nikka	1015, 1061, 1333
Norcent	1112, 1183, 1531, 1562, 1568, 1569
NTC	1015
Orwa	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, 1060, 1063, 1100, 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, 1563, 1596, 1604
Portland	1011, 1013, 1015, 1018, 1135
Prima	1286, 1376, 1476, 1521, 1594
Princeton	1022
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, 1018, 1043, 1061, 1064, 1068, 1090, 1094, 1098, 1333, 1363
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