

Universal Electronics
Potenza ST
Backlit Remote
Control



The Remote

Control the Remote

TV, AUD, DVD, VCR, STB
Use one remote to control multiple devices.

Setup
Use for programming sequences of devices controlled by the remote.

Skip Forward, Skip Back, REW, PLAY, FFWD, STOP, Pause, Record

In STB mode, these control the DVR functions. In other modes, these can control a VCR, DVD Player or DVR.

Menu
Displays the menu.

Guide
Opens the Interactive Program Guide.

Day +/-
Jump ahead or back one day in the Interactive Program Guide.

Red, Green, Yellow, Blue
Access additional features on your set-top box.

Vol +/-
Raise or lower the volume.

Mute
Turn the sound off or on.

FAV
View your favorite channels.

***Aspect Ratio**
Temporarily change the conversion mode from Original Size or Fit to Screen.

Input
In TV control mode, will change the input of the device you are controlling.

Power
Turn on/off a selected device.

Live
Return to watching live TV.

List
Display a list of recorded, future and series rules on your DVR.

Info
Display the current channel and program information. Press again for more detail.

Browse, Search, Arrow and OK
Navigate and select onscreen choices.

Exit
Exit the current screen.

Page +/-
Page up or down in lists and Interactive Program Guide.

Channel +/-
Changes to the next higher or lower channel.

On Demand
Access video on demand services.

Last
Recall the last channel or option.

Number Keys (0-9)
Directly select a channel or enter options.

** If Available*



Playback Controls

Your remote control offers standard capabilities, as well as enhanced remote control buttons that function similarly to DVD controls.

Here's what each button does:



List Select to see a list of recorded programs. Press the *LIST* button a second time to see what is scheduled to be recorded. Press *LIST* a third time to access your Series Rules.



Live Select to return to the current part of a live broadcast.



Skip Forward Skip forward 30 seconds while watching a recording or live TV.



Skip Back Skip backward ten seconds while watching a recording or while watching live TV.



Play Begin or resume watching a recording. Also display/remove the status bar.



Fast Forward Fast forward through parts of a recording. Press multiple times to go forward faster.



Record Record a program



Pause Pause the program you are currently watching. While paused, the *Fast-Forward* button will play the program frame by frame in slow motion.



Stop Stop watching a recording or stop a recording that is in progress.



Rewind Rewind through parts of a recording. Press multiple times to rewind faster.



Guide Access the program Guide. Press a second time for alternate view.




Arrows/Browse/Search/OK Press to navigate through the guides, menu options or to make selections.


S
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PROGRAM YOUR REMOTE CONTROL

This remote control is already pre-programmed to control your Set Top Box (STB). The instructions below will program this remote to control your TV.

- 1. Manually turn ON the TV that you want to setup on the remote
- 2. Press and Hold  until the TV key blinks twice
- 3. Press and release the TV key. The TV key will stay lit.
- 4. Find your TV and brand from the chart below and note the DIGIT key assigned to your brand. Press and hold down the DIGIT key for your device/brand while pointing the remote to the device.
- 5. Let go of the key when your device turns OFF. Setup for that device is complete.

To program this remote control to your other devices , see the instructions below the table.



TV

| DIGIT | BRAND |
|-------|------------------|
| 1 | Insignia |
| 2 | LG |
| 3 | Panasonic |
| 4 | Philips/Magnavox |
| 5 | Samsung |
| 6 | Sanyo |
| 7 | Sharp |
| 8 | Sony |
| 9 | Vizio |
| 0 | Westinghouse |

DVD/VCR

| DIGIT | BRAND |
|-------|-------------------|
| 1 | Insignia |
| 2 | LG |
| 3 | Panasonic |
| 4 | Philips, Magnavox |
| 5 | RCA |
| 6 | Samsung |
| 7 | Sharp |
| 8 | Sony |
| 9 | Toshiba |
| 0 | VIZIO |






Audio

| DIGIT | BRAND |
|-------|-----------|
| 1 | Bose |
| 2 | Denon |
| 3 | LG |
| 4 | Onkyo |
| 5 | Panasonic |
| 6 | Philips |
| 7 | Pioneer |
| 8 | Samsung |
| 9 | Sony |
| 0 | Yamaha |

*If you model of device is not on this list, please call _____ for a list of additional device codes.

Unlocking the Default Setting to Make AUD, DVD, and VCR Buttons Programmable

The AUD, DVD and VCR mode keys have a default setting which means they are automatically set to the STB. If you would like to program these mode keys to your devices, please follow the instructions below to lock the default setting.

1. Press and Hold  until the mode key blinks twice.
2. Type   .
3. Then press the mode key  you desire to program twice.
4. This will remove the STB mode and a new Audio, DVD or VCR code can now be programmed.
5. Follow steps 1 through 5 on the first page of this brochure replacing the word "TV" with the name of the mode key you just unlocked.

PROGRAMMING DEVICE CONTROL

The Potenza ST Universal Remote Control is preprogrammed to operate the set-top box provided by your television service provider, an RCA TV, a Toshiba DVD player, an RCA VCR, and a Pioneer audio receiver. To control devices other than the default brands, perform the following steps; otherwise skip this section.

NOTES: For control of a Combo device (for example, a TV/VCR combo), skip this section and perform the instructions on “Setting Up a Combo Unit” on page 9. Also refer to “Device Table” on page 7 to find out which devices can be programmed onto each device key. If you have another brand of set-top box you would like to control, you’ll need to unlock the STB ID Lock before changing the set-top box code (see “Programming ID Lock” on page 12).

1. Turn on a device and, if applicable, insert video media, (e.g., cassette or disc).

NOTE: Please read steps 2 through 5 completely before proceeding. Highlight or write down the codes and device you wish to program before moving on to step 2.

2. On the remote control, press a device key once (i.e., **VCR, DVD, AUD, TV, or STB**); it will blink once.
3. Press and hold **SETUP** until the selected mode key blinks twice, then release **SETUP** .
4. Use the “Manufacturer’s Codes” starting on page 17) to locate the type of device and brand name and then enter the first four-digit code for your device. If performed correctly, the selected mode key will blink twice.

NOTE: If the selected mode key emits a long blink, the entry is invalid. Repeat steps 2 through 4 and try entering the same code again.

5. Aim the remote control at the device and press **POWER** once. The device should turn off. If it does not, repeat steps 2 through 4, trying each code for your brand until you find one that works. If it still does not respond, try searching for the code (see “Searching for Your Code” on page 9).

NOTE: If the device does not have a **POWER** key (e.g., DVD and VCR) , press the (Play) key.

6. Repeat steps 1 through 5 for each device you want the remote control to operate. For future reference, write down each working device code in the boxes below.

| | TV Code | AUD Code | DVD Code | AUD Code | STB Code |
|--------------|---------|----------|----------|----------|----------|
| Device Type: | | | | | |
| Code | | | | | |

SETTING UP A COMBO UNIT

If you own a combo unit such as a TV/VCR Combo or a TV/DVD Combo, you need to follow special steps to set it up. Perform the following instructions to control combo device:

1. For a TV/VCR Combo, turn on your TV/VCR Combo and insert a video cassette. (For a TV/DVD Combo, insert a DVD).
2. On the remote control, press **VCR** once; it will blink once. Then press and hold **SETUP** until the **VCR** key blinks twice.
3. Use the “Manufacturer’s Codes” starting on page 17 to locate the brand name and enter the first four-digit code for your combo device (for example, TV/VCR). If you perform this procedure correctly, the **VCR** key will blink twice.

NOTE: If the **VCR** key did not blink twice after entering the codes last digit, repeat steps 2 through 3 and try entering the same code again. If you’ve located a setup code that works for your combo device (for example, a TV/VCR Combo) and a separate TV code is also listed, you’ll need to program this code into the remote control to access volume control (see “Programming Device Control” starting on page 8).

4. Aim the remote control at your combo device (for example, TV/VCR Combo) and press **POWER** once. The device should turn off. If it does not respond, repeat steps 2 through 3, trying each code listed for your brand until you find one that works. If it still does not respond, try searching for the code (“Searching for Your Code” starting on page 9).
5. For future reference, write down each working device code in the boxes below:

| | TV Code | TV/VCR Code | TV/DVD Code |
|--------------|---------|-------------|-------------|
| Device Type: | | | |
| Code | | | |

SEARCHING FOR YOUR CODE

If your home entertainment device does not respond to the Potenza ST Universal Remote Control after trying all of the codes listed for your brand, or if your brand is not listed at all, try searching for your code. For example, to search for a code for your TV:

1. Turn on your TV.
2. On the remote control, press **TV** once; it will blink once. Then press and hold **SETUP** until the **TV** key blinks twice.
3. Type **9 9 1**. The **TV** key will blink twice.
4. Aim the remote control at the TV and press **POWER** once.
5. Press and release the **CH+** key continuously, then stop when the TV turns off.

NOTE: In the search mode, the remote control will send IR codes from its library to the selected device, starting with the most popular code first.

6. Press **POWER**. The TV should turn on, then press **SETUP** once to lock in the code. The LED will blink twice to indicate that the code is saved.

NOTE: If the TV does not turn on during step 6, then slowly press and release **CH-** to go back through the codes, then press **SETUP** when the TV turns on.

7. To search for the codes of your other devices, repeat steps 1 through 6, but substitute the appropriate key (e.g., **TV**, **AUD**, **DVD**, **AUX**, or **STB**) for the device you are searching for.

PROGRAMMING MASTER POWER KEY

The Potenza ST Remote Control has a unique feature that allows you to sequentially turn up to five of your home entertainment devices on or off with a single key press.

Note: The Master Power (POWER) only works in STB mode. If it is not programmed, only the set-top box will turn on or off. In any other mode, pressing Master Power (POWER) once will turn the selected device on or off.

Programming the Master Power Key

1. Press and hold **SETUP** key until the last device key blinks twice.
2. Enter **9 9 5** and release.
Note: The LED will blink 2 times after any three-digit programming sequence is entered correctly.
3. Press **POWER** once.
4. Press device keys you want in the power sequence (**STB, TV, AUD, DVD, VCR**).
5. Press and hold **SETUP** key until the last device key blinks twice (3 seconds). To play back the power sequence, press the **POWER** key while in STB mode.

Clearing the Master Power Key

1. Press and hold **SETUP** key until the last device key blinks twice.
2. Enter **9 9 5** and release.
Note: The LED will blink 2 times after any three-digit programming sequence is entered correctly.
3. Press **POWER** key and release.
4. Press and hold **SETUP** key until the STB key blinks twice (3 seconds).

PROGRAMMING CHANNEL CONTROL LOCK

By default, the remote control's channel-control capabilities are not locked to the set-top box mode. However, you can activate the feature to lock these keys to the STB Mode. This will guarantee you do not inadvertently change a channel on your TV or VCR. The affected keys are 1 through 0, CH+, CH-, and LAST.

Locking Channel Control (to a Source Mode)

1. Press and hold **SETUP** key until it blinks twice.
2. Enter **9 7 3** and release.
Note: The LED will blink 2 times after any three-digit programming sequence is entered correctly.
3. Press the **CH+** key and release.
4. Press the **STB** device key to lock channel control to the STB mode.

*Default channel control lock is in unlocked state.

Un-Locking Channel Control

1. Press and hold **SETUP** key until it blinks twice.
2. Enter **9 7 3** and release.
Note: The LED will blink 2 times after any three-digit programming sequence is entered correctly.
3. Press the **CH-** key and release.

*Default channel control lock is in unlocked state.

PROGRAMMING VOLUME LOCK

Volume Lock allows you to control the volume through the device identified as having your primary speakers(s), regardless of which mode you are using. On the Potenza ST Remote by default the global volume Lock is set to **TV**, so you can control TV volume while in the **TV, DVD, AUX, or STB** mode. The volume lock feature is programmable. Perform individual Volume Unlock on a selected device to set its volume control for independent operation.

NOTE: The audio mode's (**AUD**) volume controls are active regardless of Volume Lock settings. However, if you lock the volume controls to the AUD mode, you will control the audio device's volume in all other modes (i.e. TV, DVD, AUX, or STB). This can be an advantage if, for example, you always listen to home entertainment devices through your device's speakers.

Programming Global Volume Lock

The user can globally lock the volume controls to one source mode (Device Key):

1. Press and hold **SETUP** key until the device key blinks twice.
2. Enter **9 9 3** and release.
Note: The LED will blink 2 times after any three-digit programming sequence is entered correctly.
3. Press **VOL +** key and release.
4. Press **Device Key** you want to be the master audio source (TV, AUD).

Programming Global Volume Unlock

The user can reset the volume controls to that one source mode:

1. Press and hold **SETUP** until the device key blinks twice.
2. Enter **9 9 3** and release.
Note: The LED will blink 2 times after any three-digit programming sequence is entered correctly.
3. Press **VOL -** key and release.

Programming Single-Device Volume lock

1. Press the desired **Device Key** (TV, AUD) to lock the volume to and release.
2. Press and hold **SETUP** key until it blinks twice.
3. Enter **9 9 3** and release.
Note: The LED will blink 2 times after any three-digit programming sequence is entered correctly.
4. Press the **Device Key** (STB, TV, AUD) that you want to have the volume control locked to the device selected in step 1.
5. Press **SETUP** and release.

Note: The last selected device LED will blink 2 times if programming sequence is entered correctly.

Note: After you select a device that has volume unlocked (i.e. STB), pressing VOL+, VOL-, or Mute, will control only that device's volume.

CHECKING THE CODES

If you have set up your remote control by searching for your device code (previous section), you may need to find out which four-digit code is operating your equipment. For example, to find out which code is operating your TV:

1. On the remote control, press **TV** once; it will blink once. Then press and hold **SETUP** until the **TV** key blinks twice.
2. Enter **9 9 0**. The **TV** key will blink twice.
3. To view the code for the first digit, press **1** once. Count the number of times the **TV** key blinks (e.g., 3 blinks = 3) and write down the number in the left most TV Code box above.

NOTE: If a code digit is 0, the selected mode key will not blink.

4. Repeat step 3 three more times for the remaining digits. Use **2** for the second digit, **3** for the third digit, and **4** for the fourth digit. Finish writing down the code in the TV Code boxes above
5. To check for other device codes, repeat steps 1 through 4, but substitute the appropriate key (e.g., **TV**, **AUD**, **DVD**, **AUX**, or **STB**) for the device you are checking. Write down the codes in the appropriate boxes above.

USING LEARNING

The Potenza ST Universal Remote Control includes a Learning feature (not available on all models) so you can add functions that are unique to your home entertainment devices (e.g., VCR Tracking Up or Down).

However, there are some considerations.

Learning Precautions

- Your original remote controls must be in working order for learning to work properly.
- Learned keys are mode-specific, so each one can store a unique function for each mode. • Do not use the following keys for learning: **Device Keys**, **SETUP**, **Record (•)**, **Tune-In Keys**.
- Learning capacity is approximately 16 to 25 keys, depending on the code being learned.
- Certain device functions are not learnable including multi-frequency types, some high frequency ones, and other unusual formats.
- For optimum learning, avoid high levels of ambient light such as natural sunlight or energy-efficient fluorescent lights.
- Please have your original remote controls **NOTE:** handy before programming learning.

Programming a Learned Key

NOTE: If more than 15 seconds pass between key presses, the remote exits programming.

1. Press and hold **SETUP** until the last-selected mode key blinks twice, then press **9 7 5**.

NOTE: If the LED displays one long flash instead, either your batteries are low, or the Potenza ST Universal Remote Control has a memory fault.

2. Press a mode key once (i.e., **TV**, **AUD**, **DVD**, **AUX**, or **STB**) to assign a mode for learning.
3. Press the desired key on the Potenza ST once to store the feature to be learned.
4. Place the Potenza ST Remote Control head-to-head (about 2" apart) from your original remote control. Also locate the key (on your original remote control) that you want the Potenza ST Universal Remote Control to learn.
5. On the original remote, press and hold the key to be learned. The Potenza ST Remote Control's LED will blink

rapidly, then turn off. Continue holding the key on the original remote until the LED blinks twice.

NOTE: If the LED displays one long blink, a learning error has occurred. Try repeating this step again until a successful capture occurs. If the function is still not captured, press and hold **SETUP** to exit programming and review the “Learning Precautions” on the previous page. If needed, also see “Troubleshooting” on page 15. After review, start programming again at step 1.

6. Repeat steps 2 through 5 for another mode and/or key or press and hold **SETUP** until the active mode key LED blinks twice to exit programming.

Deleting a Single Learning Key

This process returns the key to its original programming for the mode you select. You can also delete learned programming by teaching a different function to the key (see “Programming a Learned Key” on page 10)

NOTE: If more than 15 seconds pass between key presses, the remote exits programming.

1. Press and hold **SETUP** until the last-selected mode key blinks twice, then press **9 7 6**.
2. Press a mode key once (i.e., **TV**, **AUD**, **DVD**, **AUX**, or **STB**). The LED on the selected mode key will blink once.
3. Press the key containing the learned function to be deleted twice. The active MODE key will blink twice.
4. Repeat steps 2 through 3 for another key or press and hold **SETUP** to exit programming.

Deleting All Learned Keys in a Specific Mode

NOTE: If more than 15 seconds pass between key presses, the remote exits programming.

1. Press and hold **SETUP** until the last-selected mode key blinks twice, then press **9 7 6**.
 2. Press a mode key twice (i.e., **TV**, **AUD**, **DVD**, **AUX**, or **STB**) to clear all the learned keys for that mode. The mode key LED blinks twice.
 3. Repeat step 2 for another mode or press and hold **SETUP** to exit programming.
-

TROUBLESHOOTING

PROBLEM: Device key does not blink when you press a key.

SOLUTION: Replace the batteries with two (2) new AA batteries (see “Installing Batteries” on page 8).

PROBLEM: Device key blinks when you press a key, but home entertainment device does not respond.

SOLUTION: Make sure you are aiming the remote control at your home entertainment device and that you are within 15 feet of the device you are trying to control.

PROBLEM: The remote control does not control home entertainment devices or commands are not performing properly.

SOLUTION: Try all listed codes for the device brand being set up. Make sure all devices can be operated with an infrared remote control.

PROBLEM: TV/VCR Combo does not respond properly.

SOLUTION: Use the VCR codes for your brand. Some combo units may require both a TV code and a VCR code for full operation (see page 9).

PROBLEM: No volume on a second TV.

SOLUTION: Follow instructions under “Changing Volume Lock” on page 12.

PROBLEM: **PLAY** and **STOP** keys do not work on a Motorola DCT-2000 cable converter.

SOLUTION: Re-program the STB key for cable code 0476 (see “Programming Device Control” on page 8).

PROBLEM: Tried Search Method and still could not find a working code.

SOLUTION: Try the Search Method again after clearing out the device key as follows:

- a. Press and hold **SETUP** until device key blinks twice.
- b. Enter **9 9 2**.
- c. Press and release the device key to be cleared twice.

PROBLEM: Remote control does not turn on Sony or Sharp TV/VCR Combo.

SOLUTION: For power on, these products require programming TV codes on the remote control. For Sony, use TV code 0000 and VCR code 0032. For Sharp, use TV code 0093 and VCR code 0048.

FCC NOTICE

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.

This equipment has been verified to comply with the limits for a class B computing device, pursuant to FCC Rules. In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is

Final Brand Setup Code List – Potenza ST

Setup Codes For Audio - Amplifier (A)

| | |
|---------------|------------|
| Anthem | 2220 |
| Classé | 1915 |
| Denon | 2134, 2706 |
| Halcro | 1934 |
| Harman/Kardon | 3045 |
| Krell | 2463 |
| Marantz | 2138, 2463 |
| Parasound | 1934 |

Setup Codes For Cable Set Top Box (C)

| | |
|--------------------|------------|
| ADB | 2254 |
| Amino | 1898 |
| Cisco | 1877 |
| Motorola | 1376 |
| Pace | 1877, 1376 |
| Pioneer | 1877 |
| Samsung | 1877 |
| Scientific Atlanta | 1877 |

Setup Codes For Audio - Accessory (M)

| | |
|-----------------------|------------|
| Acoustic Research | 2226 |
| Altec Lansing | 2251 |
| Apple | 1115 |
| Definitive Technology | 3645 |
| Denon | 2502 |
| Dynavox | 3231 |
| Haier | 3516 |
| Harman/Kardon | 3517 |
| iLive | 3175 |
| Jamo | 2228 |
| JBL | 3535 |
| JVC | 3049 |
| LG | 3217 |
| Martin Logan | 3526 |
| Onkyo | 3326 |
| Panasonic | 3409 |
| Philips | 2675 |
| Polk Audio | 2228, 3429 |
| Proficient | 3661 |
| Roku | 1828 |
| Samsung | 2660 |
| Sharp | 3097 |
| Sony | 2610 |

| | |
|--------------|------------|
| SpeakerCraft | 3661 |
| Toshiba | 3627 |
| VIZIO | 2454 |
| Yamaha | 2021, 2116 |
| ZVOX | 2332, 2334 |

Setup Codes For Video - Accessory (N)

| | |
|------------------|------------------------|
| ABS | 1272 |
| Alienware | 1272 |
| Apple | 2615 |
| CyberPower | 1272 |
| D-Link | 3671, 1554, 1731, 2186 |
| Gateway | 1272 |
| Hewlett Packard | 1272 |
| Howard Computers | 1272 |
| Hush | 1272 |
| iBUYPOWER | 1272 |
| Iomega | 2558 |
| LG | 3373 |
| Linksys | 1272 |
| Logitech | 3272 |
| Magnavox | 3339 |
| Media Center PC | 1272 |
| Microsoft | 2049, 1272 |
| Mind | 1272 |
| Netgear | 3324, 3292, 2033, 2036 |
| NiveusMedia | 1272 |
| Northgate | 1272 |
| Popcorn Hour | 2260 |
| RCA | 3335 |
| Ricavision | 1272 |
| Roku | 3061, 2371 |
| Seagate | 2698 |
| Sony | 2713, 1272 |
| Stack 9 | 1272 |
| Systemax | 1272 |
| Tagar Systems | 1272 |
| Toshiba | 1272 |
| Touch | 1272 |
| Viewsonic | 1272 |
| VIZIO | 3670 |
| Voodoo | 1272 |
| Western Digital | 2558 |
| Xbox | 2049 |
| ZT Group | 1272 |

Setup Codes For Audio - Receiver (R)

| | |
|---------------|--|
| Aiwa | 0158, 0189, 0121, 1089, 1641 |
| Altec Lansing | 2595 |
| AMC | 1077 |
| Anam | 1609 |
| Apex Digital | 1774 |
| Arcam | 1189, 0189 |
| Audiotronic | 1189 |
| Bose | 1933, 1629, 1229, 1841, 1253 |
| Carver | 1189, 0189, 0121, 1089 |
| Coby | 1263, 1389, 2698, 2748 |
| Curtis | 1389 |
| Denon | 2857, 1360, 2516, 2820, 2279, 3001, 3347, 3380, 2247, 1142 |
| Dynex | 2971 |
| Fisher | 1801 |
| Garrard | 0463 |
| Gateway | 1517 |
| Glory Horse | 1263 |
| GPX | 3214 |
| Harman/Kardon | 2241, 1304, 2443, 0110, 0189, 0891, 1306, 2670, 3418 |
| Hitachi | 1801 |
| iLive | 2013 |
| Insignia | 2169, 2175, 1030, 1077, 2472, 1751, 1893, 2126, 2474, 2929, 2966 |
| Integra | 1805, 1320, 2503, 2730, 0135 |
| iSymphony | 2442 |
| JBL | 2241, 0110, 1306 |
| JVC | 1676, 2239, 1374, 3115, 2331, 0074, 1263, 1495, 1871, 2040 |
| Kenwood | 1313, 1570, 1293, 0186 |
| Klipsch | 3092 |
| LG | 2197, 2676, 2284, 1293 |
| Linn | 0189 |
| Magnavox | 1189, 1269, 0189, 1089, 1831 |
| Marantz | 1189, 1269, 0189, 1089, 1289, 2114 |
| McIntosh | 1289 |
| Micromega | 1189 |
| Musicmagic | 1089 |
| Myryad | 1189 |
| Nakamichi | 1313 |
| NexxTech | 1751 |
| Norcent | 1389, 1751 |
| Nova | 1389 |
| Onkyo | 1805, 2730, 1320, 2503, 2451, 1531, 0135 |
| Optimus | 1023, 0186 |
| Panasonic | 2967, 1633, 2452, 1763, 1548, 1275, 1288, 3309, 3055, 2745, 1764, 2221, 1308, 1518, 1676, 2105, 1316 |

| | |
|---------------|--|
| Philips | 2459, 2311, 0189, 1831, 1269, 1189, 0891, 1266, 1089 |
| Pioneer | 1935, 2612, 1123, 1023, 1384 |
| Polk Audio | 0189, 1289, 2244, 2270 |
| Proscan | 1254 |
| RadioShack | 1263 |
| RCA | 1609, 1023, 1254, 2041, 2426, 2611, 2655, 2719, 3281, 3297, 0054, 1123 |
| Rio | 1869 |
| Samsung | 1868, 2809, 1295, 2713, 3154, 1500, 2137, 1304 |
| Sansui | 0189, 1089 |
| Sanyo | 1469, 1801 |
| Sharp | 0186 |
| Sharper Image | 1263 |
| Sherwood | 1077, 1517, 1653, 1905, 2169 |
| Sonic Blue | 1869 |
| Sony | 1622, 1759, 0158, 2172, 1758, 1822, 2475, 1058, 2522, 3257, 3372, 1441, 1258, 1158, 1858, 1658, 2216, 1558, 2671, 3456 |
| Stereophonics | 1023 |
| Sunfire | 1313 |
| Teac | 0463 |
| Technics | 1633, 1308, 1518 |
| Thorens | 1189 |
| Toshiba | 1123, 1788 |
| Victor | 0074 |
| Wards | 0158, 0189, 0054 |
| Yamaha | 2061, 2467, 3030, 0176, 1276, 0376, 1331, 1815, 3313, 3580, 1375, 1376, 2455, 0186, 3267, 3270, 3626 |
| Zenith | 2197, 1293, 1869 |

Setup Codes For Satellite Set Top Box (S)

| | |
|-------------------------------------|------|
| Ballard Rural Telephone Cooperative | 0775 |
| Bell | 0775 |
| City of Cawker City Cable | 0775 |
| Country Vision Cable | 0775 |
| DirecTV | 1377 |
| Dish Network | 0775 |
| Dishpro | 0775 |
| Echostar | 0775 |
| Frontier Communications | 0775 |
| GOI | 0775 |
| HTS | 0775 |
| Hughes Network Systems | 1377 |
| Humax | 1377 |
| JVC | 0775 |
| Milestone Communications | 0775 |
| Qwest | 1377 |

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|-------------------------------|------|
| Samsung | 1377 |
| Satellite Operations | 0775 |
| TDS Telecom | 0775 |
| Televue Communications | 0775 |
| Telus | 0775 |
| Triangle Communication System | 0775 |
| United Satellite America | 0775 |
| United States Wireless | 0775 |
| USA Wireless Satellite TV | 0775 |
| Windstream | 0775 |
| World Satellite Cable Systems | 0775 |

Setup Codes For Television (T)

| | |
|----------------------|---|
| Acer | 1339 |
| Admiral | 0093, 0463 |
| Advent | 1570 |
| Affinity | 3716, 3717 |
| Aiko | 0092 |
| Aiwa | 1362 |
| Akai | 0812, 0702, 1675, 0765, 1385 |
| America Action | 0180 |
| Anam | 0180 |
| AOC | 1589, 2087, 1365, 1590, 2014, 2479, 3707, 3720 |
| Aomni | 1623 |
| Apex Digital | 2397, 0748, 0879, 0765, 1217 |
| Astar | 1548, 1738 |
| Asus | 3340 |
| Audiovox | 1564, 0451, 0180, 0092, 1276, 1766, 1769, 1865, 1868, 2121, 2413, 3065 |
| Auria | 2087, 2277 |
| Aventura | 0171 |
| Bell & Howell | 0154 |
| Berkshire | 0047 |
| Bradford | 0180 |
| Broksonic | 0463, 1938 |
| Candle | 0056 |
| Carver | 0054 |
| Celebrity | 0000 |
| Celera | 0765 |
| Champion | 1362 |
| Changhong | 0765 |
| Citizen | 0060, 0092, 0056 |
| Clarion | 0180 |
| Coby | 3478, 3627, 2315, 2344, 2306, 2314, 2326, 2338, 2340, 2345, 2347, 2348, 2560, 3629, 1538 |
| Commercial Solutions | 1447, 0047 |

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|--------------------|--|
| Concerto | 0056 |
| Contec | 0180 |
| Craig | 0180, 3423 |
| Crosley | 0054, 0000 |
| Crown | 0180 |
| Curtis | 2397, 3577, 2352, 2466, 2855, 3228, 1326 |
| Curtis Mathes | 0702, 0054, 0093, 0060, 0047, 0154, 0451, 0145, 1661, 0056, 1347, 1959 |
| CXC | 0180 |
| Cytron | 1326 |
| Daewoo | 1661, 0661, 0092, 0154, 0451 |
| Dell | 1264, 1080, 1863, 2491 |
| Denon | 0145 |
| Digital Lifestyles | 1765 |
| Disney | 1665, 1892 |
| Dumont | 0017 |
| Durabrand | 0178, 0171, 0463, 0180, 1665 |
| Dynex | 2049, 1463, 1785, 1810, 2184 |
| Electric Mirror | 3166 |
| Electroband | 0000 |
| Electrograph | 1755, 1623 |
| Electrohome | 0463, 1570, 1670 |
| Element | 1886, 1687, 2183, 2964, 3559 |
| Elite | 1457 |
| Emerson | 1864, 1394, 1886, 0171, 0178, 0154, 0451, 0463, 0180, 1661, 1665, 1913, 1944, 1963, 2183, 2776, 3559 |
| Emprex | 1765 |
| Envision | 1589, 2087, 1365, 2014 |
| Epson | 1122 |
| ESA | 0812, 0171, 1944, 1963 |
| Fisher | 0154, 1362 |
| Fluid | 2964 |
| Fujitsu | 0809 |
| Funai | 0000, 0171, 0180, 1271, 1904, 1963 |
| Futuretech | 0180 |
| Gateway | 1756, 1755 |
| GE | 1447, 0178, 0047, 0051, 0451, 0765, 1347, 1547 |
| GFM | 1864, 1886, 0171, 1665, 1963 |
| Gibraltar | 0017 |
| Go Video | 1823, 1831 |
| GoldStar | 0178, 0056 |
| GPX | 3196 |
| Grunpy | 0180 |
| Haier | 1753, 1749, 2309, 1748, 3382, 1570, 2293 |
| Hallmark | 0178 |
| Hannspree | 1348, 1351, 2786 |

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|-----------------|--|
| Harley Davidson | 1904 |
| Harman/Kardon | 0054 |
| Harvard | 0180 |
| Havermy | 0093 |
| Hello Kitty | 0451, 2776 |
| Hewlett Packard | 1642 |
| Hisense | 3519, 2183, 0748, 1314, 1660, 2098 |
| Hitachi | 1643, 0145, 1145, 0056, 0679, 1576, 1904, 2756 |
| iLo | 1394, 1463, 1286, 1665, 1684, 1990 |
| Infinity | 0054 |
| Initial | 1990 |
| Insignia | 2049, 1641, 1326, 1564, 1423, 2002, 1785, 1892, 2184, 2417, 2751, 0171, 0463, 2088, 1963, 1660, 1517, 1385 |
| Inteq | 0017 |
| iSymphony | 3094, 3118, 3382 |
| JBL | 0054 |
| JCB | 0000 |
| JCM | 2256 |
| Jensen | 1326, 2541 |
| JVC | , 1774, 1601, 2271, 2264, 0053, 0650, 0463, 0731, 1253, 1670, 1923, 2321 |
| KDS | 1498, 1687 |
| KEC | 0180 |
| KLH | 0765 |
| Konka | 1385, 1831 |
| KTV | 0180 |
| Lasonic | 3198 |
| LG | 1423, 2731, 2358, 2424, 0178, 3397, 1265, 2834, 3098, 2612, 0017 |
| Lloyd's | 1904 |
| LodgingStar | 3147 |
| Luxman | 0056 |
| LXI | 0156, 0054, 0178, 0047, 0154 |
| MAG | 1498, 1687 |
| Magnasonic | 1913 |
| Magnavox | 1867, 1454, 1455, 2597, 2372, 1866, 0054, 0171, 0706, 1365, 1904, 1913, 1944, 1963, 1990, 2902, 3708, 1755, 0051 |
| Marantz | 1454, 0054, 1398 |
| Matsushita | 0250, 0650 |
| Maxent | 1755, 1757 |
| MB Quart | 1868 |
| Megatron | 0178, 0145 |
| Memorex | 0463, 0178, 0154, 0150, 1570, 1665, 1670, 1785, 1892, 1924, 1927, 1938 |
| MGA | 0178, 0150 |

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|-------------------|--|
| Midland | 0047, 0017, 0051 |
| Mintek | 1990 |
| Mitsubishi | 1250, 0150, 1797, 0093, 0178 |
| Motorola | 0093 |
| MTC | 0060, 0056 |
| Multitech | 0180 |
| NAD | 0156, 1156, 0178, 0056 |
| Naxa | 2104, 3154, 3382 |
| NEC | 0056, 1398, 1704, 1797, 2293 |
| NetTV | 1755 |
| Nexus Electronics | 2183 |
| Nikko | 0178, 0092 |
| Norcent | 1589, 0748, 1365, 1590 |
| Norwood Micro | 1286 |
| NTC | 0092 |
| NuVision | 1657, 2158 |
| Ölevia | 1610, 1144, 1240 |
| Onwa | 0180 |
| Optimus | 0250, 0650, 0154, 1913, 1924, 1927 |
| Optoma | 1348 |
| Optonica | 0093 |
| Orion | 0463, 1463, 1938, 3540 |
| Panasonic | 1480, 1291, 0250, 0650, 2264, 1927, 1924, 1947, 0051, 1941, 1310, 1271, 1946 |
| PARK | 2104 |
| Penney | 0156, 0178, 0060, 0047, 0051, 1347 |
| Philco | 1394, 0054, 0171, 1271, 1665, 1963 |
| Philips | 1454, 1867, 2372, 1744, 1455, 2374, 2597, 1866, 0690, 0054, 2704, 1394, 0171, 1365, 1944, 1990, 2902 |
| Pioneer | 1457, 0679, 1260, 1398 |
| Planar | 1589 |
| Polaroid | 1523, 1498, 0765, 1276, 1286, 1314, 1326, 1385, 1538, 1687, 1766, 1767, 1769, 2002, 2121 |
| Portland | 0451, 0092, 1661 |
| Prima | 1753, 1749, 1785 |
| Prism | 0051 |
| Proscan | 1447, 0047, 1347, 2147, 2183, 2256, 3577 |
| Proton | 0178 |
| Proview | 1498, 1687 |
| Pulsar | 0017 |
| Quasar | 0250, 1291, 0650, 0051, 1924, 1927 |
| RadioShack | 0178, 0047, 0154, 0180, 0056, 1904 |
| RCA | 1447, 2746, 2434, 2932, 2247, 2187, 0047, 1781, 0093, 3577, 3147, 2855, 2002, 1959, 1547, 1385, 1347, 0679, 0051, 1661, 0090 |
| Realistic | 0178, 0154, 0180, 0056 |

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|----------------|--|
| RevolutionHD | 1623 |
| Runco | 0017, 1398 |
| Sampo | 1755 |
| Samsung | 2051, 0812, 0702, 0060, 1060, 0766, 0814, 1959, 2596, 0650, 0178, 0056 |
| Sansui | 0171, 0463, 1463, 1670, 1892, 1904, 1938, 3540, 3564 |
| Sanyo | 1142, 0154, 1362, 0054, 0088 |
| Sceptre | 0878, 1217, 1360, 1599, 2337, 2506, 2528 |
| Scotch | 0178 |
| Scott | 0178, 0180 |
| Sears | 0156, 0054, 0178, 0047, 0171, 0154, 0056, 1904 |
| Seiki | 0178, 2964, 3559, 3560 |
| Seleco | 1351 |
| Sens | 1865 |
| Sharp | 2360, 0818, 0093 |
| Sheng Chia | 0093 |
| Sherwood | 1399, 3061 |
| Sigmac | 3423, 3477 |
| Signature | 0054 |
| Solé | 1623 |
| Sony | 0810, 0000, 1300, 0834, 1685, 1904 |
| Soundesign | 0178, 0180 |
| Soyo | 1831 |
| Spectroniq | 1498, 1687 |
| Squareview | 0171 |
| SSS | 0180 |
| Starlite | 0180 |
| SunBriteTV | 1610, 2337, 2528, 2935 |
| Superscan | 0864, 0093, 1944 |
| Supersonic | 1753, 2104, 3154, 3593 |
| Supreme | 0000 |
| SVA | 0748, 1963 |
| Sylvania | 1864, 1394, 1886, 0171, 1944, 1963, 1271, 0054, 1314, 1665, 1913, 3563 |
| Symphonic | 1394, 0171, 0180, 1904, 1913, 1944 |
| Syntax | 1610, 1144, 1240 |
| Tandy | 0093 |
| Tatung | 1756, 1286 |
| TCL | 2434, 3183 |
| Technics | 0250, 0051 |
| Techwood | 0051, 0056 |
| Teknika | 0054, 0060, 0180, 0150, 0092, 0056 |
| Telefunken | 0702, 0056 |
| Thomas America | 1904 |
| TMK | 0178, 0056 |
| TNCi | 0017 |

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|--------------------|--|
| Toshiba | 1524, 1656, 2724, 0156, 1156, 0822, 1256, 2006, 0060, 0154, 1265, 2684, 1959, 1945, 1704, 0650, 1369 |
| TruTech | 1665, 1723, 2066 |
| TVS | 0463 |
| US Logic | 1286 |
| Venturer | 1865, 1868 |
| Victor | 0053 |
| Vidikron | 0054, 1398 |
| Vidtech | 0178 |
| Viewsonic | 2087, 2014, 2049, 0864, 1755, 1564, 0885, 1330, 1365, 1542, 1578, 1627, 2277, 3706 |
| Viore | 1684, 2104, 2352, 3094, 3118, 3382 |
| VisionQuest | 3380 |
| Vivitek | 1369 |
| VIZIO | 1758, 3758, 2757, 3358, 2512, 1756, 0864, 0885 |
| Wards | 0156, 1156, 0054, 0000, 0178, 0060, 0047, 0154, 0017, 0051, 0180, 0056, 1347 |
| Waycon | 0156 |
| Westinghouse | 1712, 3579, 0885, 3382, 1300, 1577, 3094, 3470, 0889, 1282, 2293, 0451, 1217 |
| White Westinghouse | 0463, 1661 |
| Wyse | 1365 |
| Zenith | 1423, 0017, 2358, 2731, 0000, 0178, 0047, 0463, 1265, 1145, 0145, 0092, 1661, 1365, 1904, 2612 |

Setup Codes For Video - VCR (V)

| | |
|---------------|------------------|
| Accurian | 0000 |
| Admiral | 0048 |
| Adventura | 0000 |
| Aiwa | 0037, 0000 |
| Allegro | 0039 |
| American High | 0035 |
| Audiovox | 0037 |
| Calix | 0037 |
| Canon | 0035 |
| Carver | 0081 |
| Citizen | 0037 |
| Craig | 0037 |
| Crosley | 0081, 0000 |
| Curtis Mathes | 0060, 0035, 0162 |
| Daewoo | 0045 |
| Denon | 0042 |
| DirecTV | 0739 |
| Durabrand | 0039 |
| Dynatech | 0000 |
| Electrohome | 0037, 0043 |

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|------------------------|--|
| Electroponic | 0037 |
| Emerex | 0032 |
| Emerson | 0037, 0000, 0043, 0593, 1593 |
| Fuji | 0035, 0033 |
| Funai | 0000, 0593, 1593 |
| Garrard | 0000 |
| GE | 0060, 0035, 0202 |
| GFM | 1593 |
| GoldStar | 0037, 1237 |
| Gradiente | 0000 |
| Harley Davidson | 0000 |
| Harman/Kardon | 0081 |
| Headquarter | 0046 |
| Hitachi | 0000, 0042, 0593 |
| Hughes Network Systems | 0042 |
| Humax | 0739 |
| Instant Replay | 0035 |
| JVC | 0067 |
| KEC | 0037 |
| Kenwood | 0067 |
| Kodak | 0035, 0037 |
| Lloyd's | 0000 |
| LXI | 0037 |
| Magnasonic | 0593 |
| Magnavox | 0035, 0039, 0081, 0000, 0593, 1593 |
| Marantz | 0035, 0081 |
| Marta | 0037 |
| Matsushita | 0035, 0162 |
| MEI | 0035 |
| Memorex | 0035, 0162, 0037, 0048, 0039, 0000, 0046, 1237 |
| MGA | 0043 |
| Minolta | 0042 |
| Mitsubishi | 0067, 0043 |
| Motorola | 0035, 0048 |
| MTC | 0000 |
| Multitech | 0000 |
| NEC | 0067 |
| Nikko | 0037 |
| Olympus | 0035 |
| Optimus | 1062, 0162, 0037, 0048, 0593 |
| Panasonic | 1062, 0035, 0162, 0616 |
| Penney | 0035, 0037, 0042, 1237 |
| Pentax | 0042 |
| Philco | 0035 |
| Philips | 0739, 0035, 0081 |

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| Pilot | 0037 |
| Pioneer | 0067 |
| Polk Audio | 0081 |
| Presidian | 1593 |
| Proscan | 0060, 0202 |
| Pulsar | 0039 |
| Quarter | 0046 |
| Quartz | 0046 |
| Quasar | 0035, 0162 |
| RadioShack | 0000 |
| Radix | 0037 |
| Randex | 0037 |
| RCA | 0060, 0035, 0042, 0202 |
| Realistic | 0035, 0037, 0048, 0000, 0046 |
| ReplayTV | 0616 |
| Runco | 0039 |
| Samsung | 0045 |
| Sanky | 0048, 0039 |
| Sansui | 0000, 0067 |
| Sanyo | 0046 |
| Scott | 0045, 0043 |
| Sears | 0035, 0037, 0000, 0042, 0046, 1237 |
| Sharp | 0048, 0848 |
| Signature | 0035 |
| Sonic Blue | 0616 |
| Sony | 1232, 0032, 0035, 0033, 0000, 0636 |
| STS | 0042 |
| Sylvania | 0035, 0081, 0000, 0043, 0593, 1593 |
| Symphonic | 0000, 0593, 1593 |
| Tashiko | 0037 |
| Teac | 0000 |
| Technics | 0035, 0162 |
| Teknika | 0035, 0037, 0000 |
| Thomas America | 0000 |
| TiVo | 0739, 0636 |
| Toshiba | 0045, 0043 |
| Totevision | 0037 |
| Vector | 0045 |
| Video Concepts | 0045 |
| Videomagic | 0037 |
| Villain | 0000 |
| Wards | 0060, 0035, 0048, 0039, 0081, 0033, 0045, 0000, 0042, 0046 |
| XR-1000 | 0035, 0000 |
| Zenith | 0037, 0039, 0033, 0000 |

Setup Codes For Video - DVD (Y)

| | |
|--------------------------|--|
| Accurian | 0675, 1416 |
| Anthem | 2820 |
| Apex Digital | 0672, 0717, 0755, 0794, 0797, 1004, 1020, 1056, 1061 |
| Arrgo | 1023 |
| Audio Authority | 2555 |
| Audiovox | 0717 |
| B & K | 0655 |
| BBK | 1224 |
| Bel Canto Design | 1571 |
| Blaupunkt | 0717 |
| Blue Parade | 0571 |
| Broksonic | 1419 |
| California Audio Labs | 0490 |
| Cambridge Audio | 2808 |
| Cinea | 0831 |
| CineVision | 0833 |
| Citizen | 2116 |
| Coby | 2494, 0778, 0852, 1086, 1107, 1165, 1351 |
| Craig | 0831 |
| Curtis | 2235, 3401, 3403 |
| CyberHome | 0816, 1023, 1129, 1502 |
| Daewoo | 0705, 0833, 1234, 1242 |
| Denon | 2258, 1634, 2748, 0490 |
| DigitalMax | 1738 |
| Digix | 3850 |
| Disney | 0675, 1270, 3246 |
| Dual | 1068 |
| Durabrand | 1023, 1127 |
| Dynex | 2596 |
| Electrohome | 2116 |
| Emerson | 0675, 2213 |
| Fisher | 0670 |
| Funai | 0675 |
| Gateway | 1158 |
| GE | 0522, 0717 |
| GFM | 0675 |
| Go Video | 1075, 0741, 0744, 0833, 1044, 1158 |
| GoldStar | 0741 |
| GPX | 2235 |
| Greenhill | 0717 |
| Grundig | 0539, 0705 |
| Harman/Kardon | 0702, 1229, 2927, 0582, 3228 |
| Hello Kitty | 0831 |
| Hitachi | 0573, 0664 |

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|---------------|--|
| Hiteker | 0672 |
| Humax | 1500, 1588 |
| Initial | 0717 |
| Insignia | 2095, 2596, 2428, 0675, 0741 |
| Integra | 2147, 0627, 0571, 1769, 1634 |
| Irradio | 0646 |
| JBL | 0702 |
| JVC | 1164, 0623, 2365, 1602, 0558, 0867, 1275, 2855, 3025 |
| Kenwood | 0534, 0490 |
| KLH | 0717, 1020, 1149 |
| Lenoxx | 1127 |
| Lexicon | 2545 |
| LG | 0741, 1602 |
| LiteOn | 1058, 1158, 1416, 1738 |
| Loewe | 0511 |
| Magnavox | 0675, 0539, 0646, 1354, 1506, 0503 |
| Marantz | 2414, 0539, 2481, 3444 |
| McIntosh | 1273, 1533 |
| Memorex | 2213, 0831, 1270, 2331, 3153 |
| Messiah | 2396 |
| Entertainment | |
| Microsoft | 2083, 0522 |
| Mintek | 0717 |
| Mitsubishi | 1521 |
| NAD | 0741 |
| Naxa | 2235 |
| Nesa | 0717 |
| Norcent | 1003, 1107 |
| Nyko | 2340 |
| Ölevia | 2331 |
| Onkyo | 2147, 1627, 0627, 0503, 1769, 2215, 2562 |
| Oppo | 2545, 0575, 1224, 2185 |
| Panasonic | 1641, 0490, 3641, 1579, 1762, 0703, 0503 |
| Philco | 0675 |
| Philips | 2056, 0539, 2434, 0646, 2084, 1354, 0503, 0675, 1158, 1267, 1340, 1506 |
| Pioneer | 2442, 0142, 1571, 0571, 0525, 0631, 1512, 2854 |
| Polaroid | 1020, 1061, 1086 |
| Polk Audio | 0539 |
| Presidian | 0675, 1738 |
| Pro Vision | 0778 |
| Proceed | 0672 |
| Proscan | 0522 |
| RCA | 0522, 2213, 0571, 2919, 2587, 1500, 0717, 1769 |
| RE-BL | 2555 |
| Rotel | 0623 |

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|-----------------|--|
| Samsung | 0199, 0573, 2069, 1075, 1573, 1470, 2329, 2369, 2113, 1044, 2269, 2489, 2556, 3492, 0490 |
| Sanyo | 0670, 0873 |
| Schneider | 0646 |
| Sensory Science | 1158 |
| Sharp | 2250, 0630, 0675, 1419 |
| Sherwood | 1043, 3052, 3925 |
| Shinsonic | 0533 |
| Sony | 1516, 1633, 0533, 1033, 1533, 0864, 1070, 0772, 1536, 1540 |
| Sylvania | Sylvania 0675 |
| Symphonic | 0675 |
| Technics | 0490, 0703 |
| Theta Digital | 0571 |
| TiVo | 1503 |
| Toshiba | 2705, 0503, 3157, 2277, 1510, 1608, 1154, 1588, 1503, 1769 |
| Urban Concepts | 0503 |
| Viore | 2553 |
| VIZIO | 2563, 1226 |
| WB Electronics | 2555 |
| Xbox | 0522, 2083 |
| Yamaha | 0497, 2298, 0539, 0490, 0646, 0545, 0817, 1354, 1416, 3995 |
| Zenith | 0503, 0741 |