

## PowerHD-100 Troubleshooting Guide

### Tuning Stations with your existing Digital TV

The most confusing aspect for most users in hooking an external antenna to your DTV compatible tuner is the setup. This is mainly due to the TV manufactures' lack of a standard setup menu and naming conventions. Here are a few simple rules and examples of setups for some popular brands of TVs:

#### General Notes On Setting up an External Antenna:

1. There are typically 2 input modes on digital TVs. One is ANTENNA, and the other is CABLE. You must select ANTENNA prior to scanning for channels. The reason for this is that your TV has multiple tuners in it for each type of signal that it receives. It will typically have a QAM tuner for cable, and an ATSC tuner for an off-air antenna. You have to select the right tuner type for your application. By selecting ANT for antenna, you are selecting the path to the ATSC tuner so the signals can be demodulated properly.
2. When changing input modes (ie, Antenna to Cable or vice versa), you must scan for channels again.
3. External antennas, other than 'Smart Antennas' and truly 'Omni-directional', are directional in nature and require pointing in the general location of the stations to be received. The PowerHD-100 is polarized front to back, so when going through the scanning process, you may need to reposition the antenna 90 degrees to improve reception.

The following is a setup sequence for the more popular brands of digital TVs. Note that different models from a manufacturer may differ slightly due to varying features; however, we find the basic steps to be somewhat consistent. Please refer to your TV's Operating Instructions for more accurate data.

#### Panasonic:

1. From the Main Menu, go to 'Setup' → 'Program Channel'
2. On the menu there are 2 selections 'Antenna In' → (Options are: 'Antenna' or 'Cable'). Make sure to select 'Antenna'. (This is important since it specifies which internal tuner the TV will use)
3. The next selection is 'Mode' → (Options are: 'All' or 'Analog'). Select 'All'
4. Next Select 'Start Scan'
5. The scan process may take several minutes. Once completed, exit setup to view the stored channels.

#### Sony:

1. From the Main Menu/Category Bar, go to → 'Settings'.
2. Select 'Channel', then → 'Signal Type'.
3. Select 'Antenna' (This is important since it specifies which internal tuner the TV will use).
4. Next Select 'Auto Program' → 'OK' to scan the stations.

5. The scan process may take several minutes. Once completed, the screen will display the number of channels found.
6. Select 'Return' to exit the Auto Program mode.

### **Toshiba:**

1. Press the 'Menu' button on the remote to open the setup menu.
2. Select 'Installation', then → press 'Enter'.
3. Open Terrestrial menu, highlight 'Input Configuration', then → press 'Enter'.
4. Press <> on the remote to select input source (Cable or Antenna) to Antenna. (This is important since it specifies which internal tuner the TV will use).
5. To save your new settings, select 'Done', then → press 'Enter'.
6. Select 'Channel Program' on the Terrestrial Menu, then → press 'Enter' to Start.
7. The TV will cycle through all the antenna channels and store all active channels in the channel memory. You will see a dialog box with a progress bar and the number of channels it has acquired.
8. When channel programming is complete press ^v on the remote to view the programmed channels.

### **Tuning Stations with your TV Converter Box**

Completing a successful setup with your analog TV and TV Converter Box is straightforward. For an excellent step-by-step instruction, go to [http://www.dtvtransition.org/downloads/converter\\_qsg.pdf](http://www.dtvtransition.org/downloads/converter_qsg.pdf)

### **Tuning Stations with your USB Tuner on a Laptop or PC**

The menus will depend on the type of software application you are using, but the process is basically the same. You can use the 3<sup>rd</sup> party software that comes with your USB Tuner stick or PC card, or use the Windows Media Center application if you have it installed on your system.

1. Make sure the antenna power is on, the element is in the vertical position, the RF cable is connected to the USB tuner stick RF input, and that the USB tuner or PC card is correctly inserted.
2. Launch your software application.
3. In the setup menu, select 'Antenna' or 'ATSC' for the input type.
4. Go to the 'Scan' or 'Channel Program' mode to initiate the scanning of stations.
5. Start the scan process.
6. Once completed, you can view the stored channels.