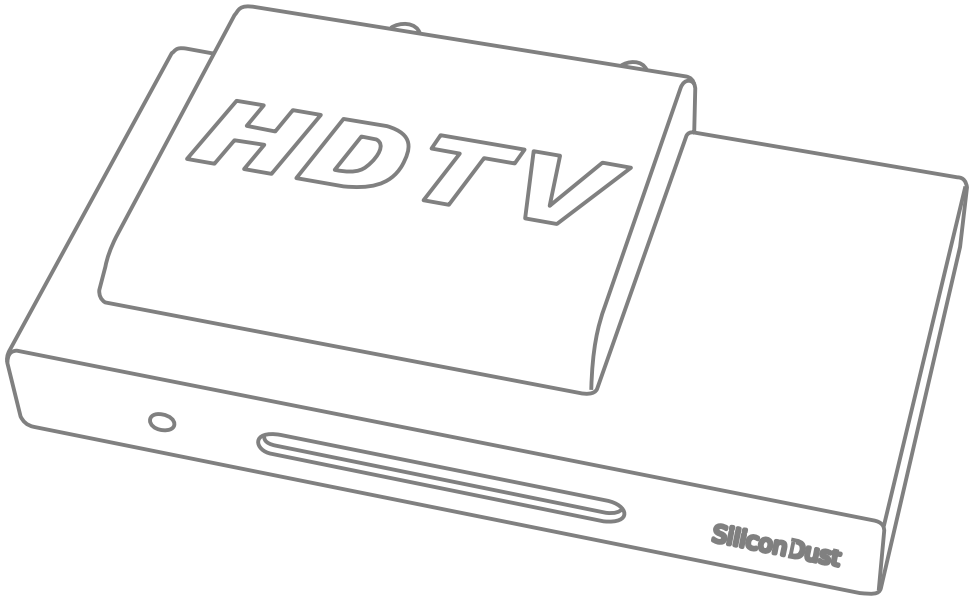
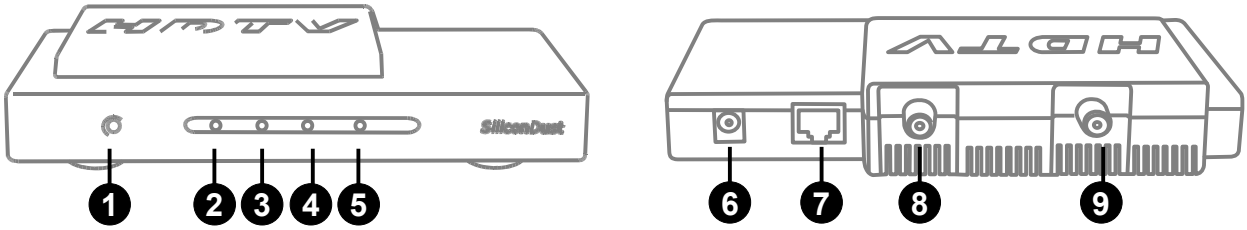
HDHomeRun Installation Instructions
(20081228)



I. HDHomeRun Connections:



Front

1. Power LED
2. Network LED
3. Tuner0 LED
4. Tuner1 LED
5. IR Receiver

Back

6. Power connector
7. Network connector
8. Tuner1
9. Tuner0

Power LED:

The power LED will remain lit at all times the HDHomeRun is connected to power.

Network LED:

The network LED indicates network connectivity; the LED will flash while the HDHomeRun acquires an IP address over DHCP and then will remain lit.

Tuner LEDs:

The tuner LEDs indicate the associated tuner is actively streaming data over the network.

II. Hardware Installation:

Quick Instructions:

Connect both HDHomeRun tuners to your antenna or cable source.

Use the supplied network cable to connect the HDHomeRun to how home router or network.

Attach the 5v power cable.

Antenna users:

The typical antenna configuration is:

```
Antenna -> Amplifier -> 4-way Splitter -> TVs/Devices
```

For larger antenna based systems:

```
Antenna -> Amplifier -> 2-way Splitter -> 4-way Splitter -> TVs/Devices
                                       -> 4-way Splitter -> TVs/Devices
```

It is generally a good idea to balance the splitter layout, as shown above. A balanced configuration means all devices go through the same configuration of splitters back to the antenna; balancing in this way will result in similar signal levels at each device.

Avoid cascading a 4-way splitter after another 4-way splitter without careful design consideration - each cascaded splitter reduces the signal level considerably.

Antenna:

We recommend using an outdoor antenna for best performance.

Amplifier:

When splitting to multiple devices, a preamplifier or distribution amplifier may be required.

The amplifier should be placed before any splitters.

Digital Cable users:

Typical cable TV configuration:

```
Street -> 2-way Splitter -> 2/4-way Splitter -> TVs/Devices
                         -> 2/4-way Splitter -> TVs/Devices
```

It is generally a good idea to balance the splitter layout, as shown above. A balanced configuration means all devices go through the same configuration of splitters back to the antenna; balancing in this way will result in similar signal levels at each device.

Avoid cascading a 4-way splitter after another 4-way splitter without careful design consideration - each cascaded splitter reduces the signal level considerably.

Amplifier:

If a distribution amplifier is used it should be rated for bi-directional cable use and placed before any splitters.

Using both Antenna and Digital Cable:

The HDHomeRun can support mixed cable TV + antenna operation by connecting an antenna feed to one tuner and a cable feed to the other tuner.

Mixed operation is supported by the following applications:

- Windows Media Center TV Pack
- SageTV (Windows)
- BeyondTV (Windows)
- EyeTV (Mac)
- MythTV (Linux/Mac)

Mixed operation is **not** supported by Media Center 2005, Vista Media Center, or TotalMedia.

Additional notes:

Splitters:

A splitter should be rated for 50-900MHz or 50-1000MHz operation. Splitters rated for 2GHz operation should be avoided (even if rated for 50MHz to 2GHz operation) as these are primarily intended for satellite use and do not perform as well at cable or antenna frequencies.

Terminators:

Add terminators to all unused splitter outputs; this is important for signal level and signal quality.

Cabling:

RG6 cable is recommended; RG6 cable has lower loss and better performance than RG59 cable. For long cable runs or weak signals use quad-shielded RG6 cables.

Network connection:

Connect the HDHomeRun to your network or home router using the supplied network cable.

Alternatively the HDHomeRun can be connected directly to a PC or laptop network interface using the supplied network cable; there is no need for a cross-over cable.

Power connection:

Connect the 5V power adapter supplied with the HDHomeRun to the power connector on the back of the HDHomeRun.

III.Software Installation (Windows):

The following software installation instructions are for release 20081222 or newer.

Please download and install the latest HDHomeRun software from the Silicondust website:

http://www.silicondust.com/downloads

HDHomeRun Setup:

HDHomeRun detection:

- HDHomeRun Setup will automatically detect the HDHomeRun device(s) on the network.
- If the HDHomeRun is connected directly to the PC rather than the network it may take a few minutes before the HDHomeRun can be detected. Wait until the HDHomeRun link LED stops flashing and click Retry.

Location page:

- Set your location (country plus postal code).

Tuners page:

- Signal Source:
  - If using an antenna source set the Signal Source to "Digital Antenna" for each tuner connected to the antenna source.
  - If using a cable TV source set the Signal Source to "Digital Cable" for each tuner connected to the cable TV source.
  - If only one tuner is connected set the unused tuner to "Disabled".
- Set the Application for each tuner as appropriate for the intended use:
  - Set "MediaCenter" if using the HDHomeRun with Windows Media Center.
  - Set "TotalMedia" if using the HDHomeRun with TotalMedia.
  - etc.

Channels page:

- Click Scan to run a channel scan.
- Review the channels received.

Complete:

- Wizard mode: Click Finish to complete the wizard.
- Normal mode: Click OK to save and close.

HDHomeRun configuration can be changed at a later date by running HDHomeRun Setup from the Start Menu.

Windows DVR Applications:

The HDHomeRun will work with any of the following DVR applications:

- Windows Media Center (2005/Vista/TV-Pack)
- BeyondTV
- GB-PVR
- MediaPortal
- SageTV
- TotalMedia

Vista Home Premium and Vista Ultimate include Windows Media Center.
TotalMedia is provided with the HDHomeRun for use on other versions of Windows.

The most up to date instructions for each application can be found of the Silicondust website:
http://www.silicondust.com/hdhomerun/instructions