

WirelessHD® Demo Setup Guidelines

Intro to the WirelessHD® Specification

Backed by the industry's biggest names, WirelessHD® harnesses the maximum amount of bandwidth possible to enable highest quality video, audio and data delivery.

The nature of wireless products includes the possibility for interference. WirelessHD 60GHz solutions have significantly less chances of interference than low frequency, 2.4GHz and 5GHz Wi-Fi solutions due the directional properties of the 60GHz beam and it's intelligent antenna beam steering technology. The following recommendations are simply precautions to optimize your in-store or tradeshow demonstration.

WirelessHD Operation

- Signals move in straight lines from the transmitting source device OR
- WirelessHD works by bouncing off of objects to get to the desired endpoint. These bounces are commonly referred to as "reflections"
- WirelessHD provides both a high rate link (HR) for A/V delivery and a lower rate link (LR) for back channel communication
- HR link is guided by the source, such as a media receiver box or Blu-ray player
- LR link is omni-directional and uses multiple (3) channels, implementation varies by manufacturer

HINT: If multiple systems are being displayed and different LR channel control is available, setting systems to work on different LR channels provides optimum set up.

Key Features

- **Simple no-new-wires installation**
- **Highest quality A/V with the fastest wireless connections**
- **Flexible placement of your multimedia components**
- **Manage your WirelessHD devices using your TV's remote control**



WirelessHD Setup Guidelines

An ideal setup is one WirelessHD system in a demo space at any time, although 2 or 3 may work.

It is always ideal to have line-of-sight between the source and the HDTV in a retail setting.

The distance between the source (Tx) and the HDTV (Rx) should not exceed 10m or ~33 ft.

Content: 1080p/60Hz 4:2:2 or 4:4:4 motion video is optimal to showcase image quality.

Placement

- Mount WirelessHD Rx on an end-cap or wall (not on a shelf)
- Tx should have clear path from the Tx's front bezel to the Rx's front bezel
- Bezel in front of TV or receiver device should not be obstructed
- Bezel in front of Rx should not be obstructed
- The Rx may be mounted directly above the Tx. In this case there should be 1-3 feet unobstructed clearance between the two devices
- In the case the Rx is set up above the Tx and facing the same direction, a reflection provided by either a wall or another metal type of device should be located across from the display so as to provide an adequate bounce back to the Rx

CONTACT

Lianne Caetano
Executive Director, WirelessHD, LLC
Lcaetano@wirelesshd.org
www.wirelesshd.org

Retail Endcap or Wall Setup



Retail Home Theater or Tradeshow Setup

