



peerAir™

Wireless HD Multimedia System HDS-WHDI100

Introduction and Technology

The Wireless Multimedia System is a device used when you cannot get a wire from point A to point B. It is classified as a two room device meaning it will connect through a wall, however distance will be compromised when mass is entered into the equation. Sources of "Mass" can be wood, metal, glass, stone, brick and masonry to name a few.

System Requirements

A Source device outputting via HDMI and a Sink with the ability to accept an HDMI input.

Audio/Video Performance

You can expect the Wireless Multimedia System to perform as if it were hooked up with a hardwired cable solution. The System incorporates a near-zero latency making events in realtime able to be transmitted wirelessly with no inherent audio or video artifacts. The system supports full 1080p and 7.1 audio as well as all 3D formats.

What does "line of sight" range mean- and what kind of range can I realistically expect?

"Line of sight" in wireless equipment simply means the transmitter and receiver are installed on a 100% flat plane with zero obstacles and zero interference (Electrical, Radio, Electromagnetic and even Atmospheric interference). Both antennas must be at the same height and situated identically along the same horizontal or vertical plane. The "approximated range" is always a measure based on maximum line of sight conditions.

What interference sources and barriers are the best & worst?

Interference sources, such as large metallic structures (ducting, appliances), as well as masonry, tend to be the worst. Hollow walls will allow most RF signals to penetrate. However, ANY MASS will compromise the full stated distance. Site surveys are best to ward off possible interference issues when installing in a new environment.

How many wireless transmitters?

The Wireless Multimedia System does support more than (1) transmitter per installation.

If I use more than one transmitter, will I need more than one receiver?

You can use a separate Receiver for the extra transmitter now in the system, however the extra transmitters signal can only be seen from any one receiver at any given time.

Can I purchase an extra receiver to connect multiple displays to the same source?

No. The Wireless Multimedia System supports multiple Transmitters, not multiple receivers.

How can I control my source device from the remote location?

The Wireless Multimedia System's Receiver has an IR Window on its front to accept proprietary commands and relay them back to the Transmitter. The Wireless Multimedia System comes with an IR emitter cable, and allows for the emitters to be affixed to the front of the various components for control.

Remote control is not working. How can I verify IR is functional?

You can verify if your remote is working by using a digital camera, such as a smart phone. Turn the camera function on (if it's an iOS 5 or above you will need to use the secondary camera). Point the Remote at the camera and press a button. If it is working you will see a purple light emitting from the transmitting end of the remote control.

Can you guarantee that your equipment will work in my desired situation?

Unfortunately no blanket statement can be made for any given wireless device. The installer needs to take into account the environment the device is being installed in. Any solid objects that the signal needs to make a "path" through will cause the signal to attenuate and thus limit the overall signal propagation.

Why do I see sparkles?

Sparkles are generally created from a marginal or failing HDMI cable.

What is the spec. of the power adaptor?

Transmitter - Input: 100-240V~ 50-60 Hz, 0.3A, Output: 5V DC 2A Receiver - Input: 100-240V~ 50-60Hz, 0.3A, Output: 5V DC 1.5A

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