Important Safety Notice!

Please read the below safety instructions carefully before installation and operation:

1. Please pay attention to all the warnings and suggestions for your VS100.
2. Do not expose this unit to rain, moisture or liquid.
3. Do not insert any foreign materials or objects into the device.
4. To avoid electrical shock do not attempt to repair the device or open the enclosure.
5. To avoid over heating do not place any objects that may cover or obstruct the ventilation holes.
6. Shut off power and make sure environment is safe before the installation.
7. To avoid cable damage do not plug-in/out the cables while in use.
8. Use DC5V/2A only. Make sure the specification matched if using 3rd party DC adapters.

Introduction

The Diamond VS100, allows HD video transmission via HDMI up to 150 wirelessly. Supports anti-interference technology by using 5GHz operational frequency and supports point to point connection. With IR support, you can remotely control your source from any remote location. The Diamond VS100 is great solution for conference room meetings, home entertainment, multi-media educational applications and works with any HDMI video source.

Note:
1. Transmission distance can vary due to the type of environment.
2. Brick walls or glass will shorten the signal cover range or cause signal loss.

Features

1. Support HDMI1.3, compatible with HDCP1.2.
2. Maximum resolution up to 1080p full HD.
3. Features strong anti-interference (5GHz operation frequency).
4. Supports point to point wireless configuration.
5. IR transmitter/receiver 20-60KHz frequency.
6. 150 feet long range transmission distance.
7. Plug and play, easy installation.

Package Contents

- HDMI Extender TX sender x1pcs
- HDMI Extender RX receiver x1pcs
- DC5V/2A power adapter x1pcs
- USB Cable x1pcs
- User manual x1pcs
- IR receiver extension cable x1pcs
- IR blaster extension cable x1pcs
- IR blaster extension cable interface x1pcs

Installation Requirement

1. HDMI source device (DVD, Game Console, Set top box, PC etc).
2. HDMI display device like SDTV, HDTV, and projector with HDMI port.

Panel Description

1. HDMI Extender TX sender

NOTE: This device can be powered from the HDMI source device (which with USB port) directly. However, when the transmission/connection is not stable, or the output is not fluent, please connect a 5V plug (with USB port) to the USB cable for power supply.

Connection
Connection instruction:
1) Connect HDMI input to HDMI source device and connect IR blaster extension cable to IR OUT interface of the sender (TX).
2) Connect HDMI output to HDMI display device and connect IR receiver extension cable to IR IN interface.
3) Power on the device (power led lights) and it works.

Note:
1) When the wireless signal transmits through wall, glass or other obstacles, it will cause signal loss. Please install this device in the best environment possible with few obstacles.
2) The external environment wireless signal will affect transmission, such as micro wave, wireless mouse and keyboard etc.

FAQ
Q: Transmitter and receiver can't be connected with each other?
A: 1) Please check if the wireless connection light on the VS100 blinks properly.
2) Restart the transmitter or receiver.
3) Reconnect the HDMI cable.

Q: The WiFi LED indicator of the transmitter is off, but no signal output on display/monitor?
A: 1) Please check if there is an HDMI signal input on the sender TX
2) Try to connect the signal source directly to display device to see if there is signal output from source device or change the signal source, HDMI cables and try again.

Specification

<table>
<thead>
<tr>
<th>Item</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power/Supply</td>
<td></td>
</tr>
<tr>
<td>Voltage/Current</td>
<td>TX: DC5V/2A</td>
</tr>
<tr>
<td>Power consumption</td>
<td>RX: 5 W</td>
</tr>
<tr>
<td>HDMI performance and interface</td>
<td></td>
</tr>
<tr>
<td>HDMI compliance</td>
<td>HDMI1.3</td>
</tr>
<tr>
<td>HDCP compliance</td>
<td>HDCP1.2</td>
</tr>
<tr>
<td>UMI resolution supported</td>
<td>480i/480p/576i, 720p/576p/1080i, 1080p, 1080i(60Hz), 1080p(50Hz), 1080p(60Hz)</td>
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<tr>
<td>TS performance and interface</td>
<td>RX multiple supported</td>
</tr>
<tr>
<td>Audio formats supported</td>
<td>L/R stereo audio</td>
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<tr>
<td>Maximum transfer rate</td>
<td>640Mbps</td>
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<td>HDMI performance and interface</td>
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<tr>
<td>Input and output format signal</td>
<td>VGA/RGB/YPbPr/PtY</td>
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<tr>
<td>Input and output (DDC, signal</td>
<td>Vp-p(177)</td>
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<tr>
<td>SDI/HD/3G-SDI can support</td>
<td>12G/3G/HD/SD (HDMI3.4x3.4x3.4 standard)</td>
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<tr>
<td>Compression (input cable length supported)</td>
<td>HD/SD (HDMI3.4x3.4x3.4 standard)</td>
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<tr>
<td>Wireless performance and interface</td>
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<tr>
<td>Transmission method</td>
<td>SG Wireless transmission</td>
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<tr>
<td>Transmission distance</td>
<td>88 Meters</td>
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<tr>
<td>Latency</td>
<td>228 μs</td>
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</tbody>
</table>

Disposal
We reserve the rights to make changes without further notice to a product or system described herein to improve reliability, function or design.

Support
Phone: 800 503 2378
On-Line: http://www.diamondmm.com/support.html