



# Wireless HDMI Extender Kit



HVE-680A

H/W Version: 1

LevelOne enhances your home theatre quality with HVE-680A Wireless HDMI Extender kit without running messy cables. You will be able to easily stream uncompressed high-definition ( HD ) audio and video to overcome structural obstacles, distant wiring pathways and time consuming installation. There is no reduction in video quality allowing you to experience Full-HD 1080p resolution. With simple to set-up and no software installation required, just connect the transmitter device to HDMI source such as Blu-ray player, DVD player, or digital/satellite TV set-up box, then connect the receiver to a HD display (HDTV or projector), your wireless uninterrupted high-definition signals are ready to go.

### Fast Deployment

You can now spend less time setting up, and more time watching streamed HD video or gaming wirelessly. With the built-in plug and play features, there is no need for software installation – simply just connect the Wireless Home Digital Interface (WHDI) transmitter to HDMI-enabled entertainment devices

and the WHDI receiver to an HDMI-enabled monitor, and you are ready to go!

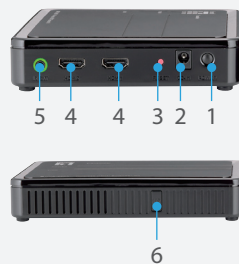
### Connecting Up To Two Home Entertainment Devices

The WHDI transmitter is equipped with two HDMI inputs which accommodate the simultaneous connection of up to two home entertainment devices, such as Set-Top Box (STB) and Blue-ray Player. Hence, you can enjoy your entertainment by switching between these devices using the side switch within a fraction of a second!

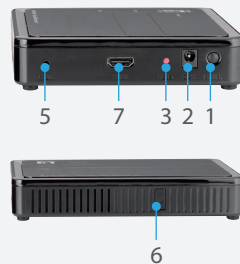
### Total Control And Enhanced Flexibility

Featuring the remote control technology, not only can you watch movies from another room, but also you can easily rollback or pause the movies simply by pointing your television remote control at the WHDI receiver. This gives you total freedom where you can relocate these entertainment devices and WHDI transmitter to an optimum location on the other side of the room.

HVE-680A\_Transmitter



HVE-680A\_Receiver



1. Power Switch On/Off
2. Power Input
3. Reset Button
4. HDMI Input Port
5. IR Jack
6. HDMI1 / HDMI2 Switch Button
7. HDMI Output Port

### Key Features

- Expands among 2 HDMI devices without wires or cables
- Simple Plug and Play installation
- Built-in IR remote extender for easy control of HDMI sources at remote location
- Easy switching between 2 HDMI devices
- Provides stable wireless signals (5GHz) without any interference from Bluetooth or Wi-Fi networks

### Related Products



**HVE-6501**  
HDMI over IP PoE



**HVE-6601**  
HDMI Video Wall over IP PoE Receiver



## Technical Specifications

### Hardware Specification

#### Host Interface

Receiver : HDMI type A socket x1 for input output to TV/Display  
 Transmitter : HDMI type A socket x2 for input from HDMI/DVI source

#### Chipset Solution

Receiver : MCU-ST/STM32F105  
 BBP-Amimon/AMN2220  
 RF-Amimon/AMN3210  
 DFS-AIROHA/AL7230(Optional)  
 Transmitter : MCU-ST/STM32F105  
 BBP-Amimon/AMN2120  
 RF-Amimon/AMN3110

#### Memory

Receiver : 4Mbit Flash 512Mb DDRII  
 Transmitter : 4Mbit Flash

#### Switch

Receiver : Reset button x 1, Power ON/OFF Button x 1, HDMI SW x 1  
 Transmitter : Reset button x 1, Power ON/OFF Button x 1, HDMI SW x 1

#### LED

Receiver : Power Red&Blue  
 Wireless Red&Blue  
 Transmitter : Power Red&Blue  
 Wireless Red&Blue

#### Antennas

Receiver : Total 6 PCB printed antenna ; Peak Gain:3.5 dBi  
 1 antenna for Transmitter & Receiver  
 4 antennas for Receiver  
 1 antenna for DFS Only (Option)  
 Transmitter : Total 5 PCB printed antenna; Peak Gain: 3.5 dBi  
 4 antenna for Transmitter

#### Radio

##### Operating Frequency

Receiver : 5.17~5.21, 5.21~5.25 (GHz)  
 Transmitter : 5.17~5.21, 5.21~5.25 (GHz)  
 Chanel Bandwidth: 40MHz

#### Physical Specification

##### Power Adapter

Receiver : 12V +/- 5% / 1A  
 Transmitter : 12V +/- 5% / 1A

##### Dimensions: (L x W x H)

Receiver : 170 L x 135W x 28 H(mm)  
 Transmitter : 170 L x 135W x 28 H(mm)

#### Environment Specification

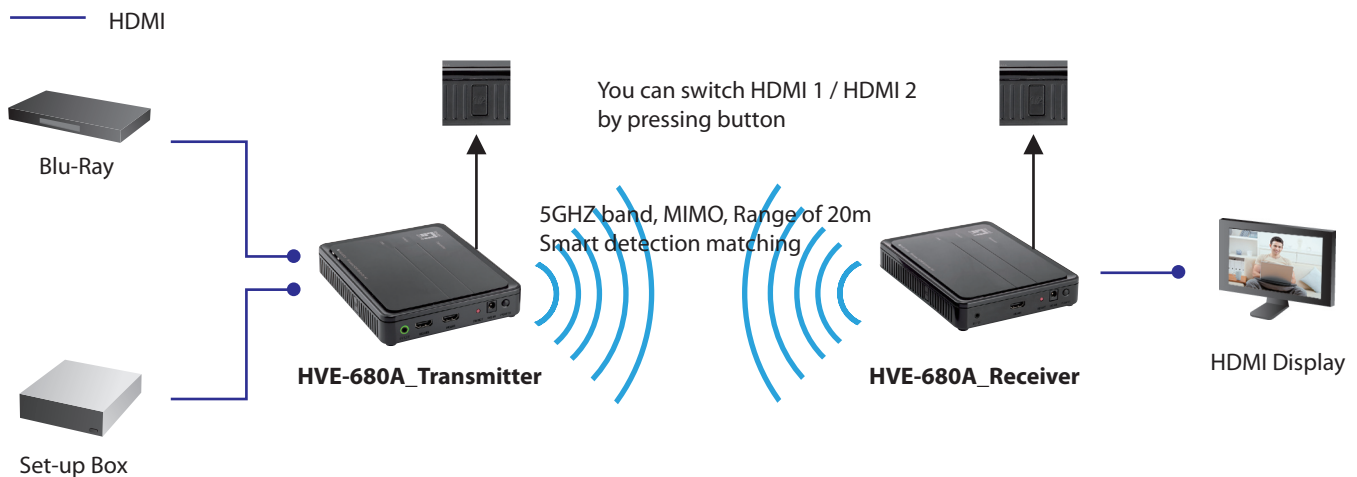
##### Operating Temperature

Receiver : 0°C ~ 40°C 5-90%  
 Transmitter : 0°C ~ 40°C 5-90%

##### Storage Temperature

Receiver : -20°C ~ 60°C 5-95%  
 Transmitter : -20°C ~ 60°C 5-95%

## Product Diagram



## Order Information

### Package Contents

#### HVE-680A : Wireless HDMI Extender Kit

HVE-680A\_Receiver, HVE-680A\_Transmitter, AC Adapter x 2, HDMI cables x 2  
 IR blaster cables x 2, Quick Installation Guide, CD Manual / QIG