

Overview:

The HDMI Wireless Extender Kit (500780) allows HDMI equipment to be connected wirelessly up to 100ft (30m) max. with line of sight between TX & RX, at up to 1080p in a point-to-point configuration. In addition up to four Receivers may be paired with one Transmitter for point-to-multipoint applications (Receivers may be purchased separately). Transmission through walls is possible with reduced distance performance depending on wall construction. The Transmitter and Receiver form a private wireless network between both units, and do not require a customer's router based wireless network to operate. The kit comes with one (1) Transmitter and one (1) Receiver as well as an IR Emitter and an IR Sensor for remote control applications.



Key Features:

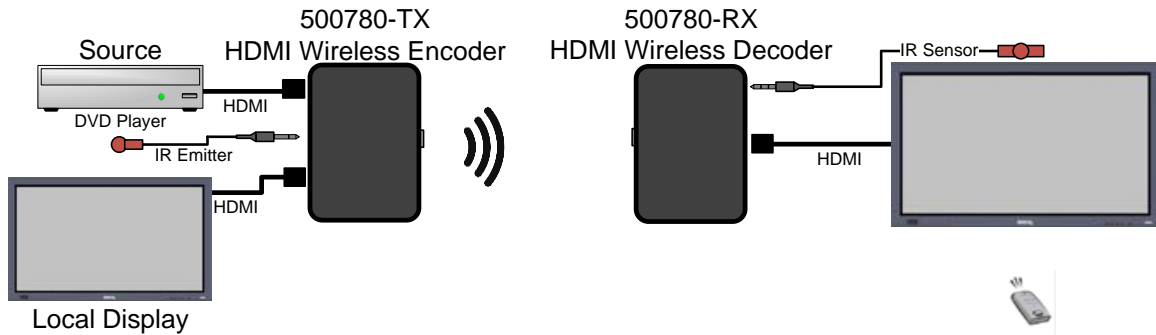
- Supports up to 1080p & 3D resolutions
- HDMI 1.3a (supports the 3D feature of HDMI 1.4)
- H.264 video compression with <500ms latency
- Up to 100ft (30m), line of sight between TX & RX
- HDMI loop-out on Transmitter
- Forms a private wireless network from TX to RX
- Pairing button for quick and easy setup
- Pair up to four Receivers per Transmitter
- Supports IR transmissions
- LED diagnostic

Applications:

- Commercial and residential AV systems
- Classroom projector systems
- Digital signage
- Boardroom systems
- Home Theatre & Showroom
- Connectivity in hard to reach locations

Environment	HDMI 1.3a (Supports the 3D feature of HDMI 1.4)
Devices	HDMI DVD, plasma, projectors, monitors, TV, PC, laptops, servers.
Transmission	Supports 1x1 point-to-point and up to 1x4 point-to-multipoint. Transparent to the user.
Bandwidth	165 MHz
Signals	HDMI 1.3a protocol, HDCP
Connectors	Two (2) HDMI receptacle (for TX unit). One (1) HDMI receptacle (for RX unit). One (1) 3.5mm jack for IR sensor (for RX unit). One (1) 2.5mm jack for IR emitter (for TX unit). One (1) Mini USB Power Connector.
<i>Note: Cables not included.</i>	
Switch	Push button for pairing.
Latency	Less than 500msec
Compression	H.264
Bandwidth	Up to 15Mbps
Maximum Distance	Wireless transmission up to 100ft (30m) maximum, with line of sight between TX & RX, at up to 1080p. Transmission through walls is possible with reduced distance performance depending on wall construction. For best distance performance avoid high density walls, such as concrete and metal walls, as they may not allow the signal to be transmitted through them, and place the TX & RX away from other interfering wireless devices.
<i>Based on a maximum length of 6.6ft (2m) of HDMI cable per end.</i>	
IR Frequency	Wideband 30KHz to 60KHz
Power Supply	One (1) 110-240V to 5VDC, 1A Micro USB power supply with interchangeable blades per HDMI Wireless Extender unit.
Power Consumption	Transmitter: 4.5 Watt (Max) Receiver: 3.5 Watt (Max)
Temperature	Operating: 0° to 40°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing
Enclosure	Plastic
Dimensions	3.3" x 3.3" x 0.5" (84mm x 84mm x 13mm)
Weight	1lbs (0.45kg)
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0
Warranty	2 years
Order Information	500780 HDMI Wireless Extender Kit (UPC: 627699007808) 500780-RX HDMI Wireless Extender Kit (UPC: 627699807804)

Typical Application



Transmitter (Source Side)



Receiver (Display Side)