

Wireless HDMI + USB KVM Extender Kit - 4K 30 Hz, SSID Channel Switching, IR Passback, Up to 164 ft. (50 m)

MODEL NUMBER: **B127B-1A1-WHKVM**



Lets you control a keyboard/mouse and extend a wireless 4K HDMI audio/video signal up to 164 ft. from the source device.

Features

Wireless Extender Kit for 4K Presentations in Classrooms and Retail Displays

This complete wireless transmitter and receiver system is recommended for video presentations, education, retail pop-ups and event setups where reliable wireless video transmission is critical. Optimized for static and video presentations, the B127B-1A1-WHKVM extends control signals and 4K video/audio from an HDMI source device to an HDMI display up to 164 feet (50 meters) away. The durable metal transmitter and receiver are built to last and include mounting hardware for permanent installations. **Note:** Requires direct line of sight between transmitter and receiver for optimal performance.

Easily Control Output with KVM and IR Functionality

Control your PC and AV devices with a keyboard and mouse from the display location with no need to walk back to the source or swap devices. This is ideal for interactive presentations, teaching or retail demos. IR pass-through provides an extra layer of control by letting you control media players, set-top boxes and other IR-based devices with their original remote. The B127B-1A1-WHKVM provides a flexible solution to locations where both PC and AV control are needed without a need to swap devices or move around the room.

Wireless Transmission Saves You Money on Cable and Installation Costs

The B127B-1A1-WHKVM eliminates more than just hassles. You'll save on the costs of cabling infrastructure and the labor to install it in areas where running HDMI cabling through walls is costly or not possible. Cable clutter is reduced, and you will enjoy more flexibility in placement of the source and display with no cables to relocate when you want to reconfigure the room.

Supports SSID Channel Switching

Unlike many wireless HDMI kits, the B127B-1A1-WHKVM supports SSID channel switching to reduce interference from other wireless sources for stable performance in crowded wireless environments. The transmitter and receiver communicate over a 5.18–5.24 GHz wireless frequency.

Transmits Crystal-Clear 4K Video for Ultra High-Definition Presentations

The B127B-1A1-WHKVM ensures Ultra HD performance in a one-to-one application, where there is less obstruction to occur. It supports 4K video resolutions (3840 x 2160) at 30 Hz. LEDs indicate when the transmitter and receiver are receiving power, building a wireless connection between the units and transmitting data. The kit supports HDCP 1.4 compliance for streaming protected content and a low

Highlights

- Displays HDMI audio/video up to 164 ft. away with no costly cable infrastructure
- Supports UHD resolutions up to 4K @ 30 Hz for heightened video quality
- Allows remote control of PC and AV devices with IR pass-through and KVM functionality
- SSID pairing allows multiple kits to operate in the same area with channel separation
- Plug-and-play operation with no software required for easy, immediate installation

System Requirements

- Source device with HDMI output (Blu-ray player, external hard drive, laptop)
- Display device with HDMI input (HDTV, projector, monitor)
- USB mouse and keyboard for remote KVM functionality (2x USB-A KVM ports on receiver end)
- Available AC outlets for both the transmitter and receiver (North America, Europe, UK and Australia plug adapters included)

Package Includes

- HDMI transmitter
- HDMI receiver
- (2) External power supplies (Input: 100–240V, 50/60 Hz, 0.3A; Output 5V 2A)
- (8) International plug adapters (2 each for North America, Australia, U.K. and Europe)
- IR blaster extension cable
- IR receiver extension cable
- USB-A host cable (M/M), 4 ft. (1.2 m)
- (4) Antennas
- Mounting hardware
- Owner's manual



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latency of 80–170 ms that is ideal for presentations, signage and video playback.

Plug-and-Play Operation for Quick Setup and Immediate Use

The durable transmitter and receiver set works right out of the box with no software or Wi-Fi required. Connect the receiver to the display’s HDMI port and the transmitter to the source’s HDMI port with user-supplied cables. You can also connect an optional local display to the transmitter to monitor the image being transmitted to the receiver. The included power supplies come with international plug adapters for use in North America, Europe, Australia and the United Kingdom.

Specifications

OVERVIEW	
UPC Code	037332290083
Product Type	Wireless Extender
Device Compatibility	Computer; Laptop; Monitor/HDTV; Projector
Technology	HDMI; USB 2.0 (High Speed); Wireless
Country/Region	Global
Host Connector	HDMI (FEMALE)
VIDEO	
Video Input	HDMI (FEMALE)
Video Output	HDMI (FEMALE)
Number of Monitors Supported	1
Video Ports	HDMI (FEMALE)
Resolutions Supported	Supports wireless HDMI video resolutions including: 4096 x 2160 @ 30Hz, 3840 x 2160 @ 24/30Hz, 1080P @ 50/60Hz, 720P @ 50/60Hz, 1920 x 1200, 2560 x 1440, 2560 x 1600
Supported Resolutions	1280x720 (720p); 1920x1080 (1080p); 1920x1200; 2560x1600; 3840x2160 (4K)
Max Supported Video Resolution	4096 x 2160 @ 30Hz, 3840 x 2160 @ 24/30Hz, 1080P @ 50/60Hz, 720P @ 50/60Hz, 1920 x 1200, 2560 x 1440, 2560 x 1600
Max. Distance (Between any 2 Units)	164 ft (50 m)
Max. Distance (Between any 2 Units) (Meters)	50
Max 1280 x 720 (720p) Range (ft)	164
Max 1920 x 1080 (1080p) Range (ft)	164
Max 1920 x 1200 Range (ft)	164
Max 2560 x 1600 Range (ft)	164
Max 3840 x 2160 (4K@30Hz) Range (ft)	164
Transmitter Video Input	HDMI
Transmitter - Number of Video Outputs	1
Transmitter - Local Display Output	HDMI



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Receiver/Transceiver Video Output	HDMI
Receiver - Number of Video Outputs	1
Signal Range (ft)	164
Signal Range (m)	50
Recommended Cabling	HDMI 1.4
Max Supported Color Depth	36-bit Deep Color
HDR Support	No
3D Video Supported	Yes
Chroma Sub Sampling	4:2:2; 4:4:4
Maximum Signal Range (ft)	164
Maximum Signal Range (m)	50
Maximum Signal Range Details	Capable of extending 4K wireless video up to 164 feet (50 meters) in non-interference environment, with stable anti-interference and safety performance.
EDID Support	No
Signal Transmission	Unidirectional
Bandwidth	10.2 Gbps
DisplayPort Alt Mode	No
DSC Support	No
AUDIO	
Audio Input	HDMI
Audio Output	HDMI
INPUT	
AC Power Adapter Input Specs (V / Hz / A)	100-240V, 50/60HZ, 0.3A
AC Power Adapter Output Specs (V / A)	DC 5V/2A
AC Power Adapter Cord Length (ft.)	3.9
Bus Powered	No
Power Source	USB
POWER	
Power Source Type	AC Adapter
Power Source	Transmitter and Receiver (Included)
Power Over Cable (PoC) Support	No
Power Consumption Detail	TX 7W, RX 4W
CONNECTIONS	



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Firmware Upgrade Port	Micro USB (Female)
Side A - Connector 1	(2) HDMI (FEMALE)
Side A - Connector 2	MICRO-USB B (FEMALE)
Side A - Connector 3	3.5MM (FEMALE)
Side B - Connector 1	HDMI (FEMALE)
Side B - Connector 2	MICRO-USB B (FEMALE)
Side B - Connector 3	3.5MM (FEMALE)
Wireless Interface	Wi-Fi
Daisy-chainable / Cascadable	No

USER INTERFACE, ALERTS & CONTROLS

LED Indicators	Both Transmitter and Receiver: (1x) Power = Blue, (1x) Wi-Fi = Yellow (Blinks slowly when not connected, solid when connected, and blinking when pairing SSIDS), (1x) HDMI = Yellow (Off when not transmitting, solid when connected, and blinking when under factory settings restore)
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PHYSICAL

Color	Black
Material of Construction	Iron
Number of Displays	1
Rackmountable	No
Receiver Unit Dimensions (hwd / cm.)	20.6 x 12.5 x 11.5
Receiver Unit Dimensions (hwd / in.)	(4.921 x 4.527 x 0.7897)
Receiver Unit Weight (lbs.)	0.7451
Shipping Dimensions (hwd / in.)	14.05 x 6.02 x 3.34
Shipping Dimensions (hwd / cm)	35.70 x 15.30 x 8.50
Shipping Weight (lbs.)	2.64
Shipping Weight (kg)	1.20
Transmitter Unit Dimensions (hwd / cm.)	1.98 x 12.3 x 11.4
Transmitter Unit Dimensions (hwd / in.)	(4.921 x 4.527 x 0.7897)
Transmitter Unit Weight (lbs.)	0.7627
Unit Dimensions (hwd / in.)	3.150 x 5.870 x 7.860

ENVIRONMENTAL

Operating Temperature Range	-4° to 140°F (-20° to 60°C)
Storage Temperature Range	-22° to 158°F (-30° to 70°C)
Relative Humidity	0 to 90% RH, Non Condensing
ESD Protection	1a Contact discharge level 3; 1b Air discharge level 3; Standard: IEC61000-4-2



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COMMUNICATIONS	
Signal Range (ft.)	164
Signal Range (m)	50
Transmission Distance	50m
EDID Compatible	No
IR Remote Extension Support	Yes
RS-232 Serial Extension Support	No
Consumer Electronics Control (CEC) Supported	No
Latency	90~220ms
USB Extension Support	No
Switching Capacity	Yes
Switching Capacity Details	Capable of switching channels and pairing SSID between transmitter and receiver to avoid mutual interference when using multiple sets of products in the same space
FEATURES & SPECIFICATIONS	
Wireless Transmission Distance	164 ft (50 m)
Number of USB Hub Ports	2
USB Specification	USB 2.0 (up to 480 Mbps)
All-in-One Kit	Yes
10/100 Ethernet Extension Support	No
Integrated/Removable Cable	No
MST Support	No
Mounting Accessory Included	Yes
Multi-Resolution Support	No
Transmission RF Frequency	Channel 1: 5.180 GHz, Channel 2: 5.200 GHz, Channel 3: 5.220 GHz, Channel 4: 5.240 GHz
Built-In Equalizer	No
Scaler Function	No
HDCP Specification	1.4
Driver Required	No
DIN Mountable	No
STANDARDS & COMPLIANCE	
Product Compliance	CE (Europe); FCC (USA); REACH; RoHS; UKCA; WEEE
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	1-year limited warranty



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