

Wireless Display HDMI™ Extender

MODEL: JVAW53

Product Description

The **JVAW53 Wireless Display HDMI™ Extender** includes a transmitter and receiver kit. It can send a high definition video and audio signal to an HDMI™ enabled TV set, projector or LCD PC monitor display device with receiver distance up to 60 meters and nearly zero latency.

Users can extend other HDMI™ sources, including DVD players, Blu-ray™ players, PCs, notebooks and gaming machines (ex. Sony® PS4®, Nintendo Switch™). The JVAW53 is fully HDCP compliant via HDMI™, supporting resolutions up to 1080p and stereo digital audio. The extender also supports the transfer of IR remote control signals to the receiver side.



Transmitter/Receiver

Application Diagram

Basic product functions and application scenarios: converts the passage of the HDMI™ or IR signal into a wireless signal, converting it into a flexible means of transmission and reception. It addresses the issue of the TV being too far away from the host by eliminating the need for wires, allowing the TV to be moved outdoors for long distance use.

During meetings, projectors or large touch screens mounted high above can also be used to create a wireless conference room and/or a wireless media environment.



Key features

- Wireless 5G: Stable connection, high quality, and low latency under 60 ms
- Antenna 5 dB, AC 2 x 2: Longer distance up to 200 ft (60m)
- Support for transfer of IR remote control signals
- Supports 480p/576p/720p/1080p /480i/576i/720i/1080i
- Support 1080p HDMI 1.3 and HDCP 1.2
- A flexible audio/video solution for conference rooms (when sharing ideas and data), digital signage (extending the distances between displays) and other applications
- Compatible with PS4® and Nintendo Switch™ game systems, Blu-ray® players, set-top boxes and more
- Support IR remote control

HARDWARE SPECIFICATIONS

Warranty	2 year
Input / Output	
HDMI™ Connector	Type-A 19-pin female input x1
Power Supply	DC jack 3.5 mm
LED	LED x1 (with 3 colors) Red: indicates power on Orange: indicates system booting Green: indicates system ready
Mechanical	
Enclosure Type	Plastic
Enclosure Color	White
Enclosure Dimensions (W x D x H)	135 x 76 x 33.5 mm
Product Weight	150.5g
Power Supply	Input: 100-240V AC, 50-60 Hz, 0.4A Output: 5V DC, 2A, 10W
Power Consumption	5V DC, 6.5W
Operational Environment	
Operational Temperature	+32 to +104 °F (0 to +40 °C)
Storage Temperature	-40 to +158 °F (-40 to +70 °C)
Relative Humidity	20% to 80% RH, noncondensing
Regulatory Compliance	CE, FCC, RCM, UL, VCCI Complies with the appropriate requirements of RoHS, WEEE

PERFORMANCE	
Technical	
HDMI™ Compliance	HDMI™ v1.3
HDCP Compliance	HDCP 1.2
Video Impedance	100 Ω
HDMI™ Audio Formats	Stereo digital audio
Video Resolution	Input Resolution Range: 640 x 480 to 1600 x 1200 and 1920 x 1080, 480p, 576p, 720p, 1080p @ 60/50 Hz Output Resolution Range: - 640 x 480, 800 x 600, 1024 x 768, 1280 x 768, 1280 x 800, 1280 x 1024, 1360 x 768, 1366 x 768, 1400 x 1050, 1440 x 900, 1600 x 900, 1600 x 1200, 1680 x 1050, 1920 x 1080 - HDTV 480p, 576p, 720p, 1080p, 480i, 576i, 720i, 1080i
Wireless Frequency Range	IEEE 802.11ac (5 GHz Band I, Band IV, CE only Band I)
Wireless Channel Bandwidth	20 MHz or 40 MHz or 80 MHz
RF Output Power	+15 dBm +/- 1 dBm
Distance	Up to 60 meters
Antenna Type	Dual external antenna (+5 dBi)
Security	128/256 bit AES based encryption and WPA2 authentication protocol to protect data.
IR Return Frequency	30 - 60 kHz
ESD Protection	Human body model: air-gap discharge: ± 8 kv contact discharge: ± 4 kv
OVP Protection	Voltage protection up to DC 20 volts

PACKAGE CONTENTS

- JVAW53TX x1/JVAW53RX x1
- IR blaster cable x1/IR receiver cable x1
- 5 VDC/2A adapter x2
- 1m HDMI™ cable x1
- Quick installation guide x1

*Product appearance and specifications are subject to change without notice.

REGULATORY COMPLIANCE

FCC

This equipment has been tested and found to comply with FCC Part 15, Subpart B, ANSI C63.4-2014, ICES-003 Issue 6, January 2016 (Updated April 2019).

Operation is subject to the following two conditions:

- This device may not cause harmful interference
- This device must accept any interference, including interference that may cause undesired operation of the device.

CE

This equipment is in compliance with the requirements of the following regulations: EN 55032:2015+AC:2016 Class B, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 55035:2017

RCM

Standard(s): AS/NZS CISPR 32:2015 Class B

VCCI

This equipment is in compliance with the requirements of the following regulations:

CISPR 32 © IEC: 2016 Class B

BSMI

檢驗標準：CNS 13438 (95 年完整版) 乙類

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- (i) a copy of the original purchase invoice to verify your warranty
- (ii) a product serial number
- (iii) a description of the problem
- (iv) customer's name, address, and telephone number

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