



1080p Wireless
HDMI® Extender
with IR

Vanco Part Number:
HDEXWIR

Technical Support

www.vanco1.com • techsupport@vanco1.com • 800-626-6445

DEAR CUSTOMER

Thank you for purchasing this product.
For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

This product is 100% inspected and tested in the United States to verify HDMI performance parameters.

WARNING

1. Do not expose this unit to water, moisture, or excessive humidity.
2. Do not install or place this unit in a built-in cabinet, or other confined space without adequate ventilation.
3. To prevent risk of electrical shock or fire hazard, due to overheating, do not obstruct unit's ventilation openings.
4. Do not install near any source of heat, including other units that may produce heat.
5. Do not place unit near flames.
6. Only clean unit with a dry cloth.
7. Unplug unit during lightening storms, or when not used for an extended period of time. A surge protector is strongly recommended.
8. Protect the power cord from being walked on or pinched, particularly at the plugs.
9. Use unit only with accessories specified by the manufacturer.
10. Refer all servicing to qualified personnel.

CAUTION

HDMI is a very complex technology requiring continuous authentication of the signal and the same video resolution and audio settings on all electronic equipment in the system. When there are multiple sources and displays, the video resolution and audio setting on all connected units must be adjusted to correspond with that of the display having the lowest video and audio capability.

FEATURES

The Vanco HDEXWIR Wireless HDMI Extender with IR, extends 1080p high definition video and audio signals up to 164ft/50m wirelessly. Directional IR allows for the source to be controlled wirelessly at the display location. The HDEXWIR does not have to be line of sight, the wireless signal can travel through floors and walls, if the WiFi signal can reach it, the HDEXWIR can. For applications where a cable cannot be run, such as a TV mounted on the mantel or outdoor on a patio, the HDEXWIR is a perfect plug and play solution!

1080p Wireless HDMI® Extender with IR

Part # HDEXWIR

- Extends HDMI signals wirelessly up to 164ft/50m
- Supports up to 1080p@60Hz HD video and audio
- IR pass-through to control source from display location wirelessly
- No line of sight installation required, wireless signal can pass through most obstacles
- HDMI 1.3, HDCP 1.4 and DVI 1.0 compliant
- Supports LPCM 2.0ch 32KHz/44.1KHz/48KHz Audio Formats
- Utilizes H.265 high performance codec technology
- Low latency with less than 120ms
- Compact design for easy and flexible installation behind a display
- Dimensions: 3" W x 3.8" D x 0.8" H

PACKAGE CONTENTS

- HDEXWIR Transmitter (TX)
- HDEXWIR Receiver (RX)
- IR Blaster (TX)
- IR Receiver (RX)
- 5G WiFi Antenna (2 for each unit)
- (2) 5V/1A Power Adapters
- Product Manual

SPECIFICATIONS

HDMI Compliance	HDMI 1.3
HDCP Compliance	HDCP 1.4
Video Bandwidth	6.75Gbps
Video Resolution	1080p, 1080i, 720p, 720i, 480p, 480i, 1920×1080@60Hz, 1920×1200@60Hz(Maximum)
Color Space	RGB/YCbCr 4:4:4, YCbCr 4:2:2, YUV 4:2:0
Color Depth	8/10/12-bit (1080P60Hz)
Audio Formats	LPCM 2.0CH 32KHz/44.1KHz/48KHz
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)
Transmitter Inputs	1x HDMI Type A [19-pin female]
Transmitter Outputs	1x IR OUT [3.5mm Stereo Mini-jack]; 2x WiFi OUT [WiFi antenna]
Transmitter Control	1x SERVICE [Micro USB, Update port]
Receiver Inputs	1x IR IN [3.5mm Stereo Mini-jack]; 2x WiFi IN [WiFi antenna]
Receiver Outputs	1x HDMI Type A [19-pin female]
Receiver Control	1x SERVICE [Micro USB, Update port]
Housing	Plastic Enclosure
Color	Black
Dimensions	3" W x 3.8" D x 0.8" H
Weight	TX and RX: 0.22 lbs
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Power Consumption	TX: 2.25W; RX: 1.8W
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90 % RH (non-condensing)
Power Consumption	10 W
HDMI IN/OUT	42 ft/15m

PANEL DESCRIPTIONS

Transmitting Unit



1. Power LED: Illuminates when the Transmitter (TX) is powered on
2. LINK LED (Green):
 - Fast Blinking: Pairing mode
 - Slow Blinking: Transmitter is paired with Receiver; normal operation
 - Solid illumination: Firmware update mode
 - Off: Not paired with Receiver
3. HDMI IN: Connect an HDMI source
4. DC 5V: Connect the included DC 5V/1A power adapter
5. Antenna Ports: Connect the included antennas
6. PAIR Button:
 - Short press will reset the Transmitter to factory default status
 - To pair both units to each other, press the PAIR button on the Transmitter first, and then the Receiver
7. SERVICE Port: Firmware update port, any available firmware updates will be available on the "Downloads" tab of the product page on www.vanco1.com
8. IR OUT: Connect the included IR Blaster; place on the source (placement is key for best results and to minimize IR control lag)

PANEL DESCRIPTIONS

Receiving Unit



1. Power LED: Illuminates when the Receiver (RX) is powered on
2. LINK LED (Green):
 - Fast Blinking: Pairing mode
 - Slow Blinking: Transmitter is paired with Receiver; normal operation
 - Solid illumination: Pairing successful
 - Off: Not paired with Transmitter
3. HDMI OUT: Connect an HDMI display
4. DC 5V: Connect the included DC 5V/1A power adapter
5. Antenna Port: Connect the included antennas
6. PAIR Button:
 - Short press will reset the Transmitter to factory default status
 - To pair both units to each other, press the PAIR button on the Transmitter first, and then the Receiver
7. Service Port: Firmware update port, any available firmware updates will be available on the "Downloads" tab of the product page on www.vanco1.com
8. IR IN: Connect the included IR Receiver at the display; this will send the IR signal wirelessly to the Transmitter location, and will control the source as long as the IR Blaster is correctly placed onto the source

CONNECT AND OPERATE



1. Connect the Transmitter to an HDMI source
2. OPTIONAL: Connect the provided IR Blaster into the IR OUT port of the Transmitter
3. Connect the Receiver to an HDMI display
4. OPTIONAL: Connect the provided IR Receiver into the IR IN port of the RECEIVER
5. Connect both power supplies to the TRANSMITTER and RECEIVER using the provided power supplies, with the TRANSMITTER first, followed by the RECEIVER
6. To pair both units to each other, press the PAIR button on the Transmitter first, and then the Receiver

NOTE: If there is no signal, press the RESET button on the TX and/or RX, and repeat the pairing process.

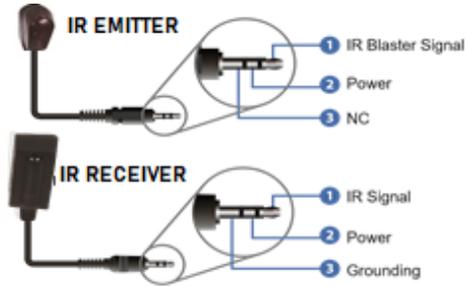
NOTE: Transmission distance may differ based on certain environmental factors such as other wireless signals that can interfere with transmission. Solid core walls, brick, or glass can significantly shorten the range at higher resolutions.

PAIRING INSTRUCTIONS

Connect the Transmitter to the source, and the Receiver to the display, power on both the Transmitter and Receiver units. Press the PAIR button on the transmitter and hold for three seconds. Next, press and hold the PAIR button on the receiver and hold for three seconds. The LINK LEDs on both units will blink rapidly. If the LINK LED of the Receiver illuminates solid, and the LINK LED of the Transmitter blinks rapidly meaning the pairing is successful. Ensure the HDMI source is outputting signal, when there is signal transmission between the Transmitter and Receiver, the LINK LEDs on both units will blink slowly. Alternatively you can also press and hold the PAIR buttons simultaneously on the transmitter and receiver simultaneously with the help of another person or by having both the transmitter and receiver local to each other before installing in final installation location.

Transmitter LINK LED Status (Green)	Receiver LINK LED Status (Green)	Description
Fast Blinking	Fast Blinking	Pairing Mode
Fast Blinking	Solid Illumination	Successful Pairing
Off	Off	Unsuccessful pairing or no signal transmission. Ensure HDMI source is outputting signal
Fast Blinking	Slow Blinking	Paired and normal operation with HDMI signal transmission

IR Pinout



SAFETY AND NOTICE

The HDEXWIR has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipment, the HDEXWIR should be used with care. Please read and follow the safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Follow all instructions and warnings marked on this unit.
- Do not attempt to service this unit yourself, except where explained in this manual.
- Provide proper ventilation and air circulation and do not use near water.
- Keep objects that might damage the device and assure that the placement of this unit is on a stable surface.
- Use only the power adapter and power cords and connection cables designed for this unit.
- Do not use liquid or aerosol cleaners to clean this unit.
- Always unplug the power to the device before cleaning.

LIMITED WARRANTY

With the exceptions noted in the next paragraph, Vanco warrants to the original purchaser that the equipment it manufactures or sells will be free from defects in materials and workmanship for a period of two years from the date of purchase. Should this product, in Vanco's opinion, prove defective within this warranty period, Vanco, at its option, will repair or replace this product without charge. Any defective parts replaced become the property of Vanco. This warranty does not apply to those products which have been damaged due to accident, unauthorized alterations, improper repair, modifications, inadequate maintenance and care, or use in any manner for which the product was not originally intended.

Items integrated into Vanco products that are made by other manufacturers, notably computer hard drives and liquid crystal display panels, are limited to the term of the warranty offered by the respective manufacturers. Such specific warranties are available upon request to Vanco. A surge protector, power conditioner unit, or an uninterruptible power supply must be installed in the electrical circuit to protect against power surges.

If repairs are needed during the warranty period the purchaser will be required to provide a sales receipt/sales invoice or other acceptable proof of purchase to the seller of this equipment. The seller will then contact Vanco regarding warranty repair or replacement.

LIABILITY STATEMENT

Every effort has been made to ensure that this product is free of defects. The manufacturer of this product cannot be held liable for the use of this hardware or any direct or indirect consequential damages arising from its use. It is the responsibility of the user and installer of the hardware to check that it is suitable for their requirements and that it is installed correctly. All rights are reserved. No parts of this manual may be reproduced or transmitted by any form or means electronic or mechanical, including photocopying, recording or by any information storage or retrieval system without the written consent of the publisher.

Manufacturer reserves the right to revise any of its hardware and software following its policy to modify and/or improve its products where necessary or desirable. This statement does not affect the legal rights of the user in any way.

TECHNICAL SUPPORT

In case of problems, please contact Vanco Technical Support by dialing 1-800-626-6445. You can also email technical support issues to techsupport@vanco1.com.

When calling, please have the Model Number, Serial Number (affixed to the bottom of the unit) and Invoice available for reference during the call.

Please read this Instruction Manual prior to calling or installing this unit, since it will familiarize you with the capabilities of this product and its proper installation.

All active electronic products are 100% inspected and tested to insure highest product quality and trouble-free installation and operation. The testing process utilizes the types of high-definition sources and displays typically installed for entertainment and home theater applications.

For additional information, such as helpful installation videos, glossary of terms, etc. please visit vanco1.com

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