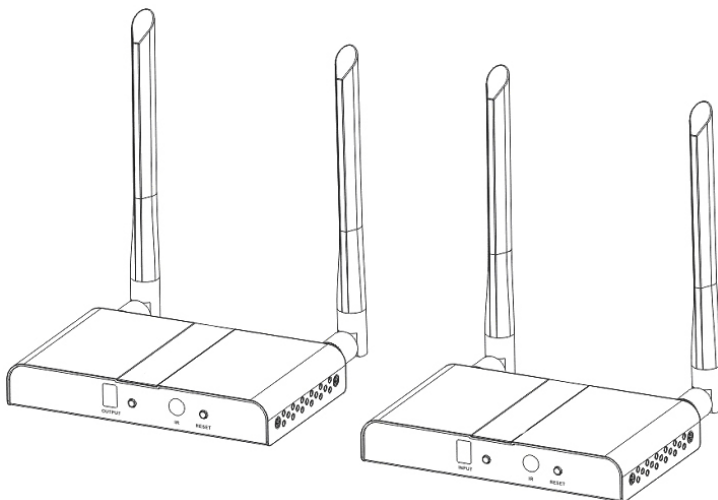




# Multi-Channel Wireless HDMI Extender Kit 1080p - 50m User's Guide



P/N: HDwirelessMulti

Thank you for purchasing from gofanco. Our products aim to meet all your connectivity needs wherever you go. For optimum performance and safety, please read the instructions carefully and keep this User's Guide for future reference. If you need more information about our products, please visit [www.gofanco.com](http://www.gofanco.com). For technical support, please email us at [support@gofanco.com](mailto:support@gofanco.com). For drivers/manuals download, please go to <http://www.gofanco.com/download>.

## **Important Safety Notices**

Please read safety instructions carefully before installation and operation.

- Please pay close attention to all warnings and hints for this device
- Do not expose this unit to rain, heavy moisture, or liquid
- Do not put any items into the device or attempt to modify its operation
- Do not repair the device or open the enclosure without professional guidance to avoid electric shocks. Doing so may void your warranty
- Keep the product in a well-ventilated location to avoid damage from overheating
- Shut off power and make sure environment is safe before installation
- Do not plug the HDMI cables and IR cables in/out when the device is in use to avoid cable damage. Make sure they are plugged into the correct ports
- Use the included DC5V power adapters only. Make sure the specification matches if using 3rd-party DC power adapters

## Introduction

The Multi-Channel Wireless HDMI Extender Kit 1080p - 50m extends high definition HDMI signals wirelessly from a source device to a display device up to 50 meters with the advanced 5GHz wireless technology. It requires no cables between the transmitter (TX) and receiver (RX), making the installation easy and clean. Great for homes and offices where cable installation is difficult or prohibited.

**Note:** Wireless transmission distance will vary due to the environmental conditions. Thick walls, brick, glass or electronic interference will shorten the wireless transmission distance or cause signal loss.

## Features

- Transmits HDMI signals from source device to display device up to 50 meters wirelessly
- Supports up to 2 transmitter units (part # HDwireless-TX sold separately) and 2 receiver units (part # HDwireless-RX sold separately) allowing you to choose and broadcast any topology combination up to 2 transmitters to any of the 2 receivers simultaneously
- Supports IR remote control function to control the source device from long distances
- No cables required between transmitter (TX) and receiver (RX)
- Easy and clean installation

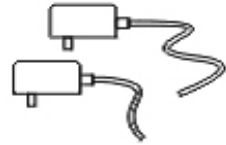
## Package Contents



Transmitter (TX) (1pc)



Receiver (RX) (1pc)



DC5V/2A Power Adapter (2pcs)



IR Blaster Extension Cable (1pc)



IR Receiver Extension Cable (1pc)



User's Guide (1pc)

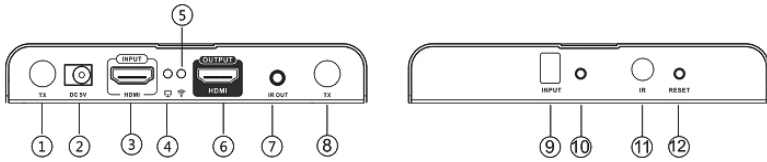


Remote Controller (1pc)

## Installation Requirements

1. HDMI source device (DVD player, set top box, PC, etc.)
2. HDMI display device (SDTV/Monitor, HDTV/Monitor, projector, etc.)
3. HDMI Cables (not included)

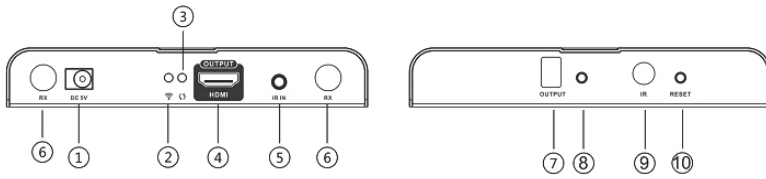
# Product Layout



**Figure 1: Transmitter (TX)**

1. Antenna	Connects to the included antenna
2. Power Input	Connects to the included 5V DC power adapter
3. HDMI Input	Connects to your HDMI source
4. HDMI Signal Indicator	On when HDMI signal is detected
5. Wireless Connection Indicator	On when the transmitter and receiver are linked
6. HDMI Output	Connects to a local HDMI display
7. IR Output	Connect the IR Blaster Extension cable here
8. Antenna	Connects to the included antenna
9. Input Channel Indicator	Indicates the input channel selected. There are 10 channels (0-9)
10. Channel Select Button	Press to select the channel
11. IR Window	Receives IR signals from the included remote control
12. Reset Button	Press to reset the transmitter

## Product Layout



**Figure 2: Receiver (RX)**

1. Power Input	Connects to the included 5VDC power adapter
2. Wireless Connection Indicator	On when the transmitter and receiver are linked
3. Data Transmission Indicator	- Blinks slowly when searching for wireless signal - Blinks fast when wireless signal is linked
4. HDMI Output	Connects to your HDMI display
5. IR IN	Connects to the IR Receiver extension cable
6. Antenna	Connects to the included antennas
7. Output Channel Indicator	Indicates the channel selected
8. Channel Select Button	Press to select the channel
9. IR Window	Receives IR signals from the included remote control
10. Reset Button	Press to reset the receiver

## Hardware Installation

1. Power off all devices including your HDMI source and HDMI display.
2. Install the included antennas to the TX and RX.
3. Connect your HDMI source device to the Transmitter's HDMI Input connector with an HDMI cable (HDMI cable not included).
4. Connect your HDMI display to the transmitter's HDMI output. This connection is optional and needed only when local monitoring of the video signal is desired.
5. Optional: Connect the IR Blaster Extension Cable to the Transmitter's IR interface port. Face the eye towards your HDMI source device's IR window. This connection is needed only if you need to control your HDMI source from the remote location.
6. Connect your HDMI display to the Receiver's HDMI Output connector with an HDMI cable (HDMI cable not included).
7. Optional: Connect the IR Receiver Extension Cable to the Receiver's IR interface port. This connection is needed only if you need to control your HDMI source from the remote location.
8. Plug the included power adapters into the Transmitter's and Receiver's Power Jacks, then plug both power adapters into reliable power outlets.
9. Power on your HDMI source device and HDMI display.

10. Use the included remote control or built-in switch button to select the same channel for the TX and RX channel pairing.
11. The Multi-Channel Extender is ready for use.

**Note:** For optimal signal range, install in a clear environment with few obstacles. Wireless signals from other devices, such as microwaves, wireless mice and keyboard, etc. may interfere with transmission. Contact our technical support team if you have specific questions.



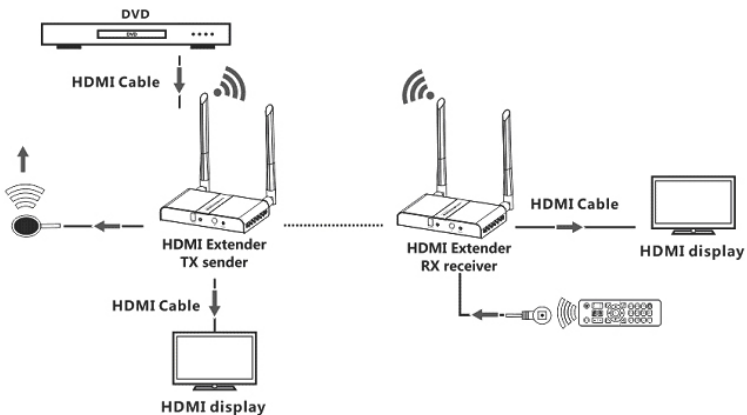
## Application

The transmission distance will vary depending on building layout, electronic interference, other environmental conditions, and may be much less than the maximum.

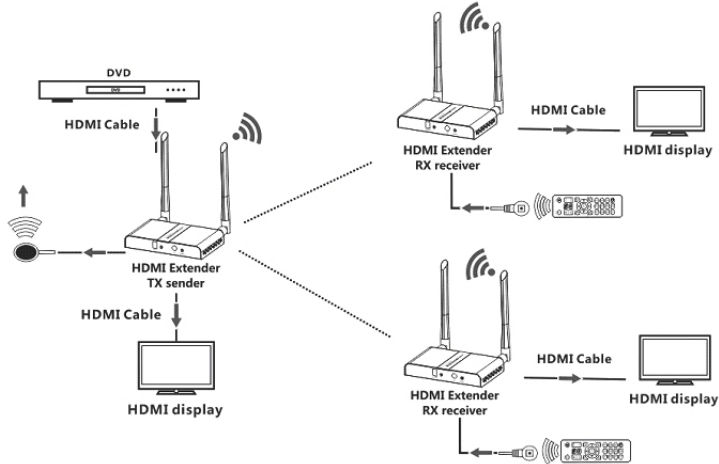
Make sure the channel selection on the transmitter matches the channel on the receiver.

If needed, you can toggle through the 10 channels to find one with the best signal strength and picture quality.

## Point to Point (1 TX to 1 RX)

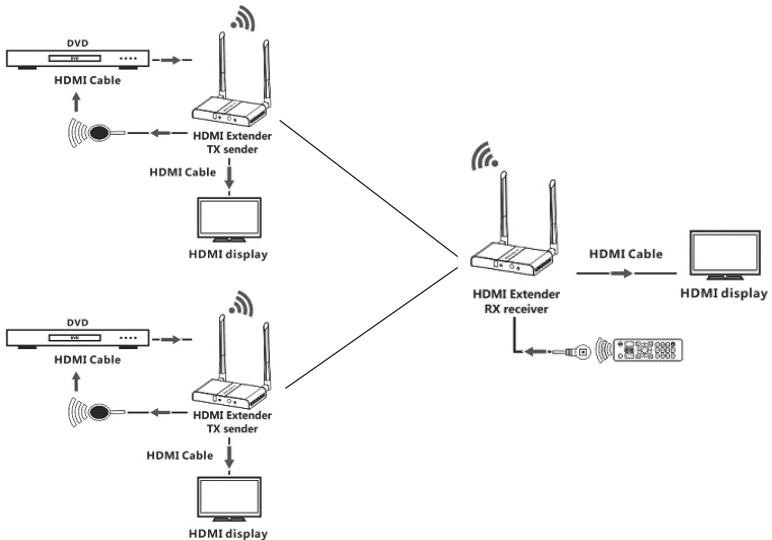


**One to Many (1 TX to 2 RX's):** Broadcasts video content to two remotely located displays\* simultaneously.



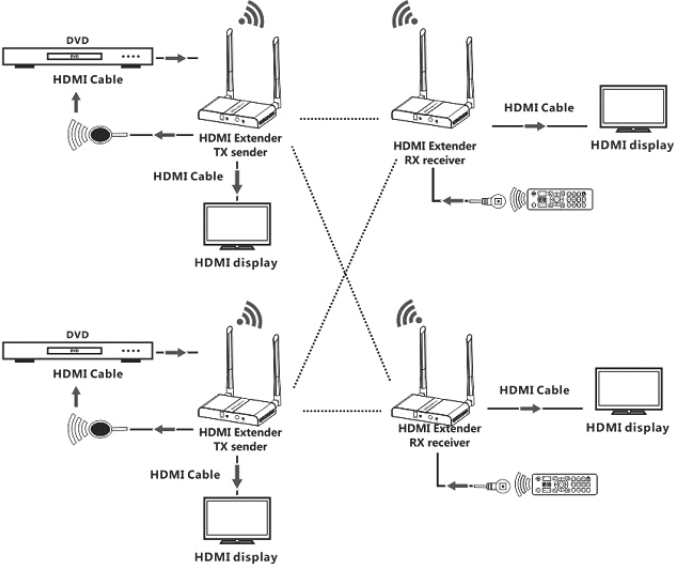
\*Note: Extra receiver unit (HDwireless-RX) sold separately

**Matrix (2 TX's to 1 RX):** Select any of the 2 sources\* to broadcast to the local display.



\*Note: Extra transmitter unit (HDwireless-TX) sold separately

**Matrix (2 TX's to 2 RX's):** Allows you to switch and select any of the 2 sources\* and broadcast to any of the 2 displays\*.



\*Note: Extra transmitter unit (HDwireless-TX) and receiver unit (HDwireless-RX) sold separately

## Notice

- Wireless signals transmitted through walls, glass, brick or other solid objects will cause signal loss and decrease the transmission distance
- External wireless signals from microwaves, wireless mice and wireless keyboards will interfere with HDMI signal transmission
- Keep the units in a well ventilated environment to prevent them from overheating
- **DO NOT** expose the units to rain, moisture, or liquids
- **DO NOT** place anything on the units
- **DO NOT** open the housing, doing so will void the warranty and may cause personal injury due to electronic hazard
- **DO NOT** plug-in or remove the IR extension cables when the units are powered on

## FAQ & Solutions

Q: The transmitter unit and receiver unit can't connect with each other.

A: 1) Please check that both transmitter and receiver are powered on.

2) Please check the input channel of the transmitter and output channel of the receiver are the same.

3) Please check if there is HDMI signal input from the Transmitter (TX) unit.

4) Use different HDMI cables.

Q: The display is not clear or stable.

A: 1) Change the channel on both transmitter and receiver to find the best signal

2) Please adjust the position of Transmitter and Receiver units and make sure they are within the required signal range.

3) Check the HDMI cable lengths are within 5m.

4) Check the transmission distance is within 50m (line-of-sight).

5) Press the "Reset" button on the Transmitter and Receiver units and reconnect.

6) Remove other wireless signals and move any obstacles that are blocking the signal line-of-sight.

7) Decrease the distance between the transmitter unit and the receiver unit.

# Specifications

Power Supply	Voltage/Current	5V DC/2A
	Power consumption	TX <7W ; RX <5W
HDMI Performance and Interface	HDMI compliance	HDMI 1.3
	HDCP compliance	HDCP 1.2
	HDMI resolution	480i@60Hz, 480p@60Hz 576i@50Hz, 576p@50Hz 720i@50/60Hz, 720p@50/60Hz 1080i@50/60Hz, 1080p@50/60Hz
	Audio formats	L/R Stereo
	Transfer rate	10.2Gbps (max)
	Input and output TMDS signal	0.5 -1.5Vp-p (TMDS)
	Input and output DDC signal	5Vp-p (TTL)
	Input cable length	5 meters (max)
	Output cable length	5 meters (max)
IR Performance	IR remote control	IR passback / 20-60KHz
Wireless Interface	Transmission protocol	Wireless 5GHz
	Transmission distance	50 meters (max)
	Latency	<200ms
Environmental Conditions	Operating Temperature	32 to 122 F (0 to 50 C)
	Storage Temperature	14 to 158 F (-10 to 70 C)
	Humidity	0 to 90%

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