see the world

QUICK START GUIDE

1080P HDMI Wireless Transceiver HOME H1

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WL-WH1000R

Introduction

This HDMI transceiver transmits Full HD 1920×1080P video wirelessly to maximum 2 receivers at the same time. The solution consists of a Wireless Transmitter and a Wireless Receiver to extend HDMI signal via wireless. Infrared(IR) pass-through enables wireless control of your source devices and helps consolidate your HD AV electronics, such as Set Top Box, DVR, game consoles and computers, to design your own custom entertainment space.

Feature

- Support up to maximum 150m wireless transmission distance (The transmission distance varies according to the external environment).
- Support maximum Full HD 1920×1080P@60Hz display resolution.
- Support up to 8 channels selection including manual/intelligent frequency selection.
- Provide 1×HDMI IN and 3×HDMI OUT(1×TX, 2×RX).
- Support IR remote control.

In the Box

1 × Wireless Transmitter
1 × Wireless Receiver
1 × IR Blaster Cable (Transmitter)
1 × IR Sensor Extender Cable (Receiver)
2 × Power Adapters
4 × Wireless Antennas
1 × HDMI Cable
1 × Quick Start Guide

Overview

Transmitter

Front Panel

① FUNC / +	Press to choose function or change the channel.
② PAIR / -	Press to change the channel or pair device.
③ IR Blaster Sensor	It is a front IR Blaster sensor panel. You also can use the backside IR OUT Jack.
④ Status LED	Indicate the status of system.
⑤ Power LED	Indicate the status of power.

Back Panel

① Wireless Antenna	Installation for the supplied High Gain Wireless Antenna.
② USB-A	It works for the firmware update.
③ HDMI IN	Connect to the HD AV devices via the HDMI cable for the input of the video.
④ HDMI OUT	Connect to the HDTV via the HDMI cable for the output of the video.
⑤ IR OUT Jack	Plug the IR cable into the IR OUT Jack.
⑥ DC IN	Connect to the supplied Power Adapter for power in.

Receiver

Front Panel

① FUNC / +	Press to choose function or change the channel.
② PAIR / -	Press to change the channel or pair device.
③ IR Blaster Sensor	It is a front IR Blaster sensor panel. You also can use the backside IR OUT Jack.
④ Status LED	Indicate the status of system.
⑤ Power LED	Indicate the status of power.

Back Panel

① Wireless Antenna	Installation for the supplied High Gain Wireless Antenna.
② USB-A	It works for the firmware update.
③ HDMI OUT	Connect to the HDTV via the HDMI cable for the output of the video.
④ IR IN Jack	Plug the IR cable into the IR IN Jack.
⑤ DC IN	Connect to the supplied Power Adapter for power in.

Function Button

Button	Operation	Function	Follow-up Operation	
FUNC / +	Short press	Switch to next channel		
	Long press for 3-5s	Search for the best channel within 40MHz		
	Long press for 6s	Show Transmission info	Short press	Cancel the display
PAIR / -	Short press	Switch to previous channel		
	Long press for 3-5s	Show state info of this Device	Short press	Cancel the display
	Long press for 6s	Enter the Pair state	Short press	Cancel the Pair
	Long press for more than 10s	Restore factory state		

LED Indication

LED	State	Description
PWR	Red and constant bright	Power is normally connected
	Red and off	The power is not connected normally
SYS	Green and constant bright	This device is working normally
	Green and slow flash	Switching channels/Correct the optimal channel
	Green and fast flash	Enter connection or pairing state
	Green and off	The device is not working properly/TX and RX are not connected or paired

Hardware Installation

Step 1: Set up the Transmitter.

Connect Audio/Video Source Device and an HDTV to the Transmitter.

1. Attach the Wireless External Antenna on the Transmitter.
2. Connect the supplied Power Adapter to the DC IN Jack of the Transmitter and a wall socket.
3. Plug in the provided IR Blaster cable if you need. You can also use the front Blaster panel together (Optional).
4. Connect an HDAV source to the HDMI IN of the Transmitter with an HDMI cable.
5. Connect the Transmitter's HDMI OUT to an HDTV's HDMI IN with an HDMI cable (Optional).

* USB Port has 5V/1.5A power output. If your HDMI source with USB Power In is like Google Chromecast, you can use it for the Power Input.

Step 2: Set up the Receiver.

Connect an HDTV to the Receiver.

1. Attach the Wireless External Antenna on the Receiver.
2. Connect the supplied Power Adapter to the DC IN Jack of the Receiver and a wall socket.
3. Plug in the provided IR Receiver cable if you need. You can also use the front Receiver panel together(Optional).
4. Connect an HDTV's HDMI IN to the HDMI OUT of the Receiver with an HDMI cable.
5. Connect other HDMI Monitors to another HDMI OUT of the Receiver.

Basic Operation

After connecting to the port of the TX and RX, please connect TX and RX to the Power via the supplied Power Adapter, then the TX and RX will be interconnected automatically. To ensure a successful connection, the distance between the TX and RX should not exceed 150m.

1. When using a TX device, please ensure that there is a HDMI input source. If no input source is detected, the following prompt will appear on the HDMI OUT Monitor.

2. When using the RX device, if it is being connected with the TX device, the following prompt will appear on the HDMI OUT Monitor.

3. The signal can be transmitted wirelessly after the cable connection to the RX and TX is successful.

Wireless Signal Calibrating

If RX cannot find TX or the video streaming is not smooth, it indicates the current wireless channel may not be suitable for video streaming. Wireless signal calibrating deals with this problem and improves wireless signal between TX and RXs.

1. To enable calibrating, please press and hold the **Function Button** on TX for 3~5 seconds, then the following message will show up.

Searching New Wireless Channel…

2. Pair new receiver with the existing TX. If you buy a new RX, you will see the "**Pairing**" message when turning it on.

3. To enter the pairing mode for TX, please press and hold **Function Button** for 6~10 seconds**,** the "**Pairing**" message will appear on TX.

Pairing with New RX…

4. To enter the pairing mode for RX, please press and hold **Function Button** for 6~10 seconds, the "**Pairing**" message will appear on RX.

5. After pairing process, the new RX will connect to TX automatically.

Supported Resolution

If the video quality is poor or the video cannot play normally, it indicates that the video frame rate for your AV source device is not supported. Please make sure that your HDMI device is compliant with the standard below.The input and output video formats are as the following:

720×480P@30Hz	480P
720×480P@60Hz	
1280×720P@30Hz	720P
1280×720P@60Hz	
1920×1080P@30Hz	1080P
1920×1080P@50Hz	
1920×1080P@60Hz	

FAQ

1. How do I switch the Wireless Channel?

-You can switch to other **Wireless Channel** on the Transmitter and Receiver.
-Press “**FUNC/+**” to switch to the next channel, and press “**PAIR/-**” to switch to the previous channel.
-At the maximum channel of the bandwidth, it will change to the first channel of the next bandwidth when you press “**FUNC/+**”, then the process keeps repeating.

2. How to find the best channel automatically?

-Long press and hold “**FUN/+**” for 3-5 seconds, then the device will automatically search for the best channel, and the Monitor will prompt “**Searching New Wireless Channel**...”, the device will prompt “**Select best channel 40MHz:**”.

3. How do I reset the Transmitter/Receiver?

-Press and hold the “**PAIR/-**”for 10 seconds.
-Pair RX with TX again, because RX will lose its access point through resetting process.

4. How do I pair the new RX?

-Long press and hold“**PAIR/-**” for 6 seconds, and the SYS is green and fast flashing, which indicates the RX is in the pairing process.

Thank you for purchasing WAVLINK product!

Official website: www.wavlink.com

Technical support: support@wavlink.com