4x4 Multicast Wireless HDMI Extender

Model: W2H H303

I、 Introduction

The Multicast HDMI Wireless Extender extends your HDMI display up to 100 feet from 4 HDMI source devices to up to 4 separate receivers wirelessly. Easily connect HDMI source devices and up to four receivers (connected to HDTVs) wirelessly, with crystal clear image quality capable of streaming Full 1080p with 7.1 channel HD digital audio and 3D technology. The IR remote control allows you to switch between HDMI source devices from the transmitter side.

II、 product strength：

1. No more clutter

All the reliability of an HDMI cable without the messy wire

2. Free from interference

A 60GHz frequency signal means no interference from other wireless devices in the home.

3. Easy to install

can be plugged into TVs or source players, while drawing power from your TV

4. A proven technology

Stream video, cable/satellite, Blu-Ray, and even Internet content – up to 1080p60, 3D, and 7.1 surround sound.

5. Great for gaming

"Zero latency" means no delay between your gaming console and the big screen.

III、specifications:

- ✓ 60GHz Wireless HDMI Technology

- ✓ 1080p60 HDMI Connectivity

- ✓ 3D Support

- ✓ 7.1 HD Audio

- ✓ Both units USB powered

- ✓ 30'+ in-room connection

- ✓ RF "beam" steering for auto-healing connection

- ✓ Free from other Wi-Fi Interference

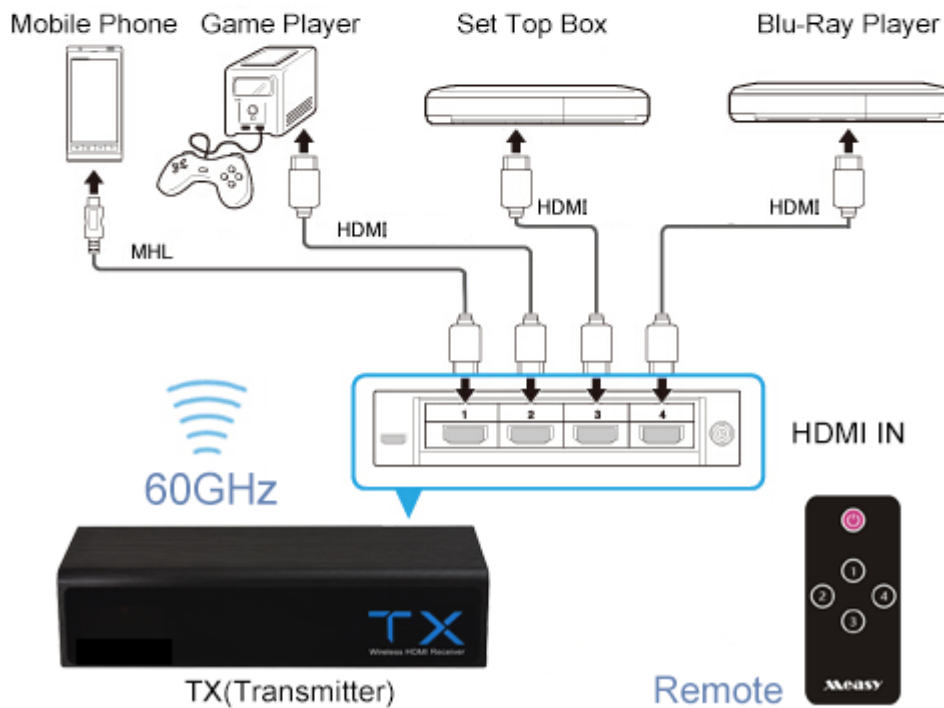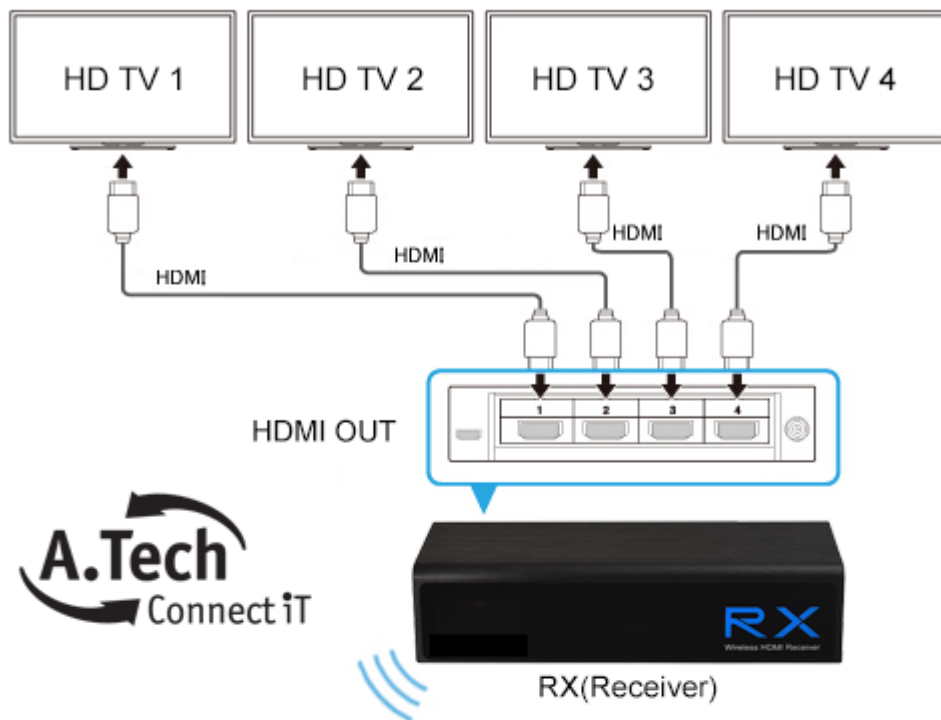- ✓ Low latency- almost zero lag time

- ✓ Fast recovery

IV. Accessories：

✧ User manual x1

✧ USB power cable x2

✧ Power adapter x2

✧ Remote x1

V. Connection and placement：

This product can't be used to going through walls. When placing, try best to put the fronts of both receiver and transmitter face-to-face and avoid blocking in the middle.

Transmitter：HDMI cable connecting to HDMI Video source and using Micro USB cable to supply power.

Receive：HDMI cable to connect TV devices and using Micro USB cable to supply power.

VI. Indicator light

- ✓ extinguish：stand by status

- ✓ Slow flash：（Interval of 1 second）in researching devices

- ✓ fast flash：devices already connected

- ✓ normal on：Input and output end right audio and video signal transmission

VII、Keys

Short press 4 seconds：searching for next device match

Long press 10 seconds：devices reset

VIII、Specification

Wireless Standard	WiHD 1.1 (60 GHz)
HDMI version	HDMI 1.4a
Max. Resolutions	1080p60
Range	35+ feet (10+ m)
Audio Formats	7.1ch HBR/PCM audio up to 192kHz, 5.1 up to 48kHz
Range Line of Sight	100 feet (30 m)
Power Supply	1 x DC Jack (Mini USB), 5V/500mA (Transmitter & Receiver)
Active Power	2.5W (Transmitter & Receiver)
Max working current	650mA
Radiated Power (EIRP)	28dBm (630mW)
Operating Temperature range	-15℃ to +55℃
Transmitter's interface	1 x HDMI Type A Female
Receiver's interface	4 x HDMI Type A Female
Weight	333g　(Transmitter + Receiver)
Housing	Aluminum(transmitter & Receiver)
Color	Black
Transmitter size	150*50*30mm
Receiver size	150*50*30mm

1. Support the input video formats

Index	Resolution	Refresh Rate (Hz)	Color Depth (8, 10, 12bits)	3D
1	640 x 480p (VGA)	60	RGB: 8-bit only	N
2	720 x 480p	60	RGB: 8/10/12, Y444: 8/10/12, Y422: 8-bit only	N
3	1280 x 720p	60	RGB: 8/10/12, Y444: 8/10/12 Y422: 8-bit only	N
4	1920 x 1080i	60	RGB: 8/10/12, Y444: 8/10/12 Y422: 8-bit only	N
5	720(1440) x 480i	60	RGB: 8/10/12, Y444: 8/10/12 Y422: 8-bit only	N

6	1920 x 1080p	60	RGB, Y444, Y422: 8-bit only	N
7	720 x 576p	50	RGB: 8/10/12, Y444: 8/10/12 Y422: 8-bit only	N
8	1280 x 720p	50	RGB: 8/10/12, Y444: 8/10/12 Y422: 8-bit only	N
9	1920 x 1080i	50	RGB: 8/10/12, Y444: 8/10/12 Y422: 8-bit only	N
10	720(1440) x 576i	50	RGB: 8/10/12, Y444: 8/10/12 Y422: 8-bit only	N
11	1920 x 1080p	50	RGB, Y444, Y422: 8-bit only	N
12	1920 x 1080p	24	RGB: 8/10/12, Y444: 8/10/12 Y422: 8-bit only	N
13	1280 x 720p	120	RGB: 8/10/12, Y444: 8/10/12 Y422: 8-bit only	N
14	1920 x 1080p	48	RGB, Y444, Y422: 8-bit only	N
15	1920 x 1080p	24	RGB, Y444, Y422: 8-bit only	Frame Packing
16	1280 x 720p	60	RGB, Y444, Y422: 8-bit only	Frame Packing
17	1280 x 720p	50	RGB, Y444, Y422: 8-bit only	Frame Packing
18	1280 x 720p	60	RGB, Y444, Y422: 8-bit only	Top to Bottom
19	1920 x 1080i	60	RGB, Y444, Y422: 8-bit only	Side by Side
20	1280 x720p	50	RGB, Y444, Y422: 8-bit only	Top to Bottom
21	1920 x 1080i	50	RGB, Y444, Y422: 8-bit only	Side by Side
22	1920 x 1080p	24	RGB, Y444, Y422: 8-bit only	Top to Bottom
23	1280 x 720p	60	RGB, Y444, Y422: 8-bit only	Side by Side
24	1280 x 720p	50	RGB, Y444, Y422: 8-bit only	Side by Side
27	1024 x 768 (XGA)	60	RGB: 8-bit only	N
28	1280 x 1024 (SXGA)	60	RGB: 8-bit only	N
29	1680 x 1050 (WSXGA+)	60	RGB: 8-bit only	N
30	1920 x 1200 (WUXGA)	60	RGB: 8-bit only	N

31	800 x 600 (SVGA)	60	RGB: 8-bit only	N
32	848 x 480 (WVGA)	60	RGB: 8-bit only	N

2.Support the input audio formats

Format	f_s [kHz]	Ch	Speaker	HDMI f_s [kHz]	Comment
LPCM	32	2	—	—	—
LPCM	44.1	2	—	—	—
LPCM	48	2	—	—	—
LPCM	88.2	2	—	—	—
LPCM	96	2	—	—	—
LPCM	176.4	2	—	—	—
LPCM	32	6	—	—	—
LPCM	44.1	6	—	—	—
LPCM	48	6	—	—	—
LPCM	88.2	6	—	—	—
LPCM	96	6	—	—	—
LPCM	32	8	—	—	—
LPCM	44.1	8	—	—	—
LPCM	48	8	—	—	—