

## Specification



LED / LCD

## HDMI Wireless Transmitter& Receiver Wireless HDMI Extender

- 1 TX To **1** RX
- 1 TX To **2/3/4** RX
- Wireless Transmission **Max** Distance **200m**

**AMS-WE100**

## Safety

This chapter illustrates safety of the WE100 Wireless Extender to ensure the product's storage, transport, installation and use safety. Safety instructions are applicable to all personnel who contact or use the product. First of all, pay attention to following points.

- Read through the instructions.
- Retain all instructions.
- Comply with all instructions

### ■ Storage And Transport Safety

- Pay attention to dust and water prevention.
- Avoid long-term direct sunlight.
- Do not place the product at a position near fire and heat.
- Do not place the product in an area containing explosive materials and strong electromagnetic environment.
- Place the product at a stable position to prevent damage or personal injury caused by dropping.
- Save the packing box and materials which will come in handy if you ever have to store and ship the product. For maximum protection during storage and shipping, repack the product as it was originally packed at the factory.

### ■ Installation And Use Safety

- Only trained professionals may install the product.
- Plugging and unplugging operations are prohibited when the power is on.
- Ensure safe grounding of the product.
- Always wear a wrist band and insulating gloves.
- Do not place the product in an area having frequent or strong shake.
- Perform dust removing regularly.
- Contact Amoonsky for maintenance at any time, rather than have the product disassembled and maintained by non-professionals without authorization.
- Replace faulty parts only with the spare parts supplied by Amoonsky.

# Introduction

## ■ Overview

AMS-WE100 Is A HDMI Wireless Extender, Also Known As A Wireless Transmitter&Receiver, The Device That Can Simultaneously Transmit High-definition Audio And Video Through Wireless, Such As Audio And Video Signals Of DVD, Player, Computer And Other Devices Can Be Transmitted Wirelessly Through The Device, The Maximum Transmission Distance Is 200 Meters; Support One-To-One And One To Many (2/3/4).

- Support 1TX To 1 RX Or 1 TX To 2/3/4 RX;
- Support Wireless Dual Frequency (2.4G + 5G) Transmission Mode;
- Pure Hardware Design --Plug And Play, No Need Software To Configure;
- Support HDMI1.3 And HDCP1.1 / 1.2;
- Support Audio And Video Synchronous Output , Have Audio Interface;
- Built-in KVM Function, Supporting USB Mouse And USB Keyboard Extension Control;
- Built-in Efficient Transmission Algorithm And Automatic Equalization System To Effectively Improve Transmission Efficiency, Ensure Smooth Playback, And Ensure Clear And Stable Image Quality.

## ■ Screen Display Mode



### ● Mirror Mode

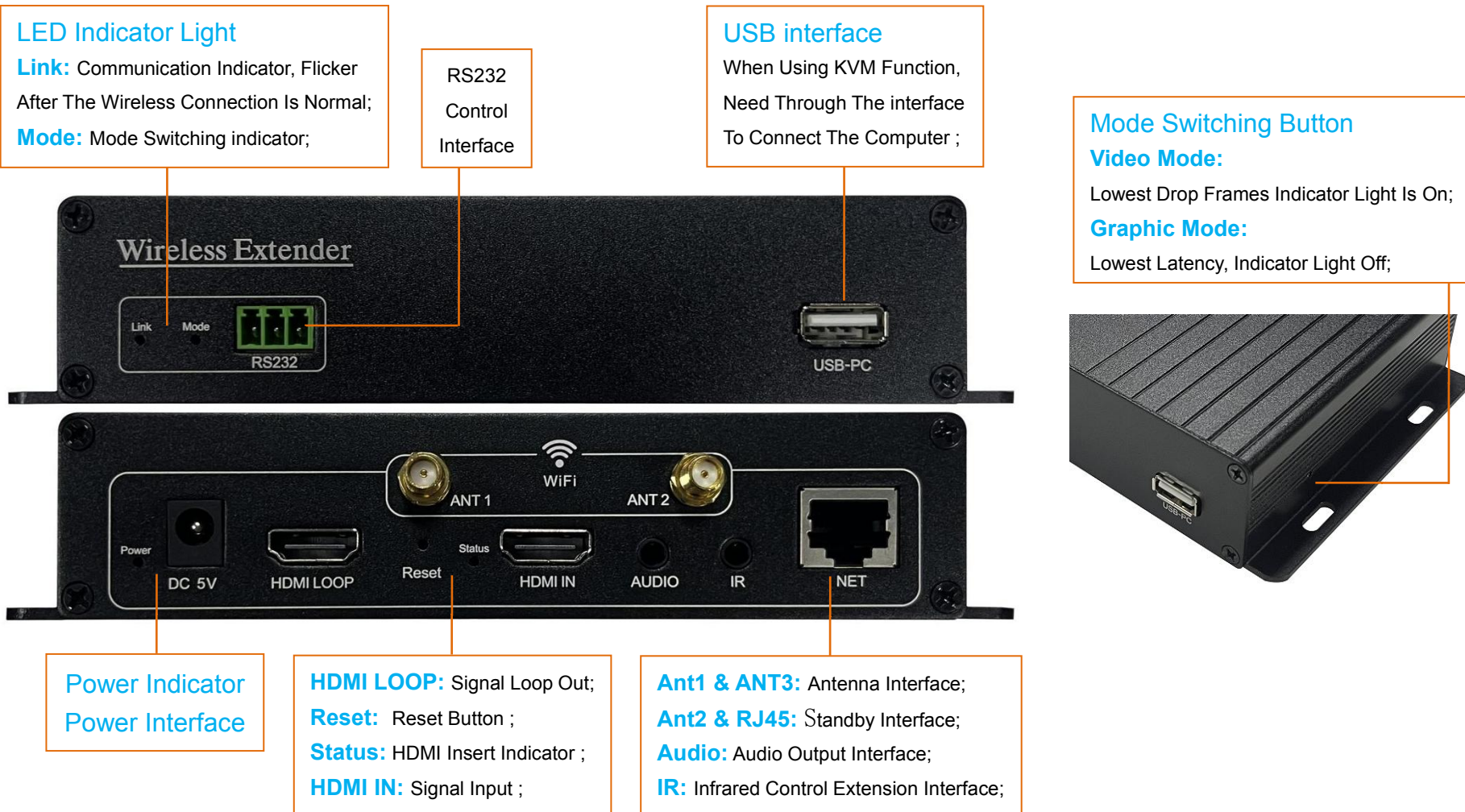
Set on the computer,  
(Win+P) Keyboard operation;  
Show same on the screen;

### ● Extended Mode

Set on the computer,  
(Win+P) Keyboard operation;  
Show Difference on the Screen;



# TX-Panel Introduction





### LED Indicator Light

**Link:** Communication Indicator, Flicker After The Wireless Connection Is Normal;

**Mode:** Mode Switching indicator;

RS232  
Control  
Interface

### USB interface

Used When Using KVM Function;

**Mouse:** Connect The Mouse;

**Keyboard:** Connect The Keyboard;

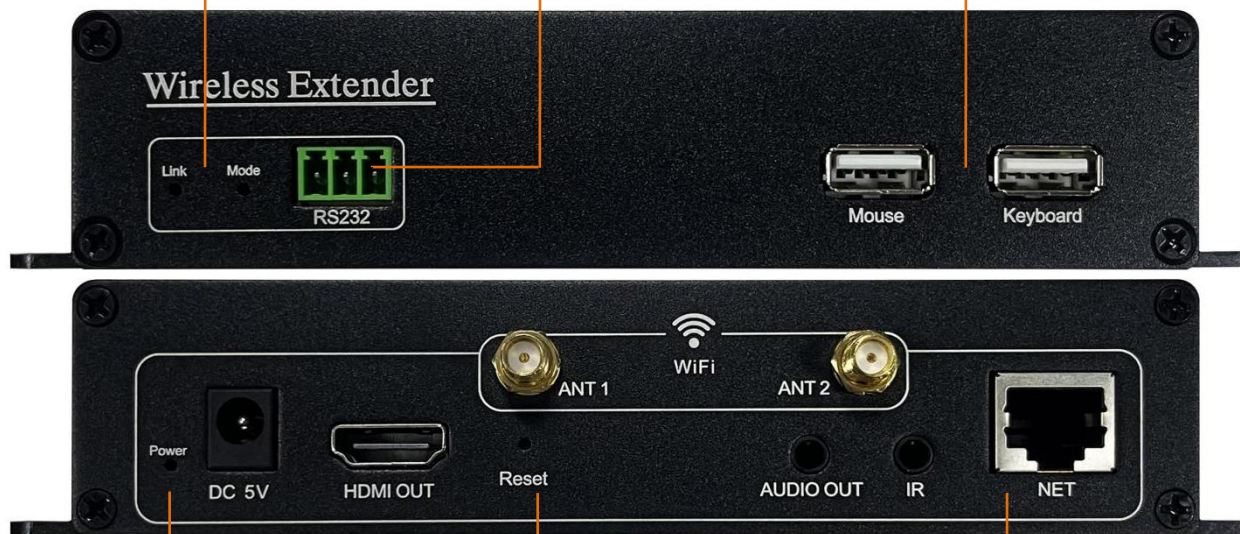
### Mode Switching Button

#### Video Mode:

Lowest Drop Frames Indicator Light Is On;

#### Graphic Mode:

Lowest Latency, Indicator Light Off;



Power Indicator  
Power Interface

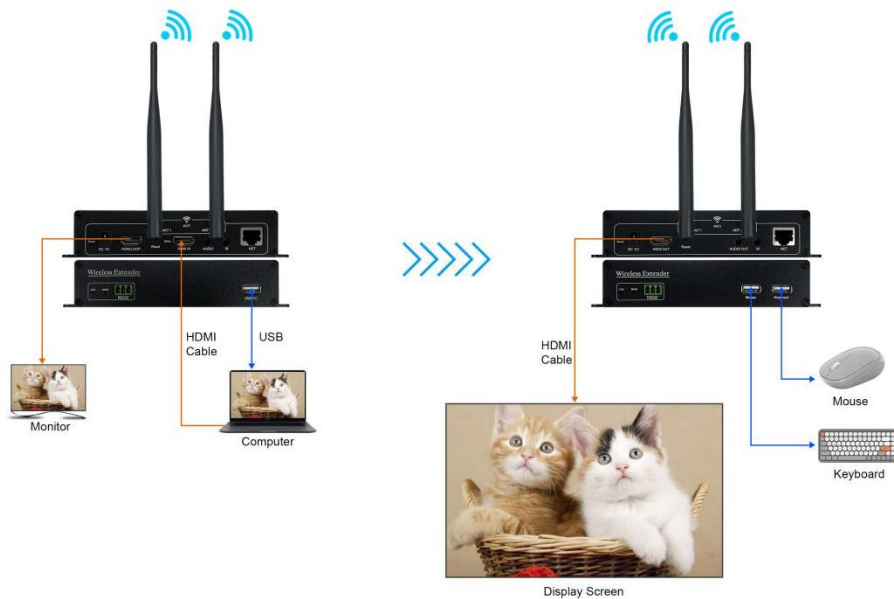
**HDMI OUT:** Signal Output ;  
**Reset:** Reset Button ;

**Ant1 & ANT3:** Antenna Interface;  
**Ant2 & RJ45:** Standby Interface;  
**Audio:** Audio Output Interface;  
**IR:** Infrared Control Extension Interface;

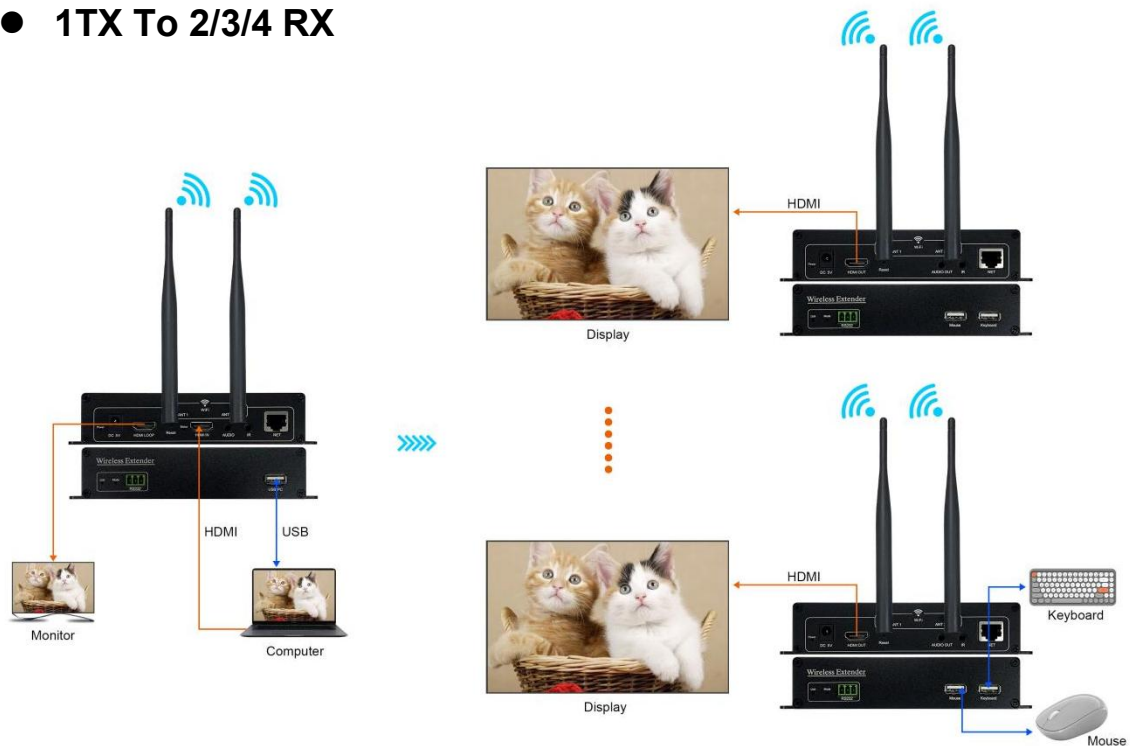


# Applications

## ● 1TX To 1RX



## ● 1TX To 2/3/4 RX



Mode	Max Transmission Distance	Mode	Max Transmission Distance
1TX To 1 RX	200M	1TX To 2 RX	60M
1TX To 3 RX	30M	1TX To 4 RX	20M

If The Increase Of Rx, The Wireless Transmission Distance Will Be Shortened !

# Parameters

Port Specifications		
HDMI Video Input 1*HDMI INPUT 2*HDMI OUPUT	Interface Type: HDMI-A Socket Signal Standard: HDMI1.3 Backward compatible; Resolution: VESA Standard, ≤1920×1080P@60Hz;	
AUDIO OUT	3.5mm Audio Output Interface, Dual Track;	
General Specifications		
Power Supply	Internal 100~240V AC, 50~60Hz ;	
Temperature	Storage: T: -40℃ ~ +80℃ 、 H: 10% ~ 90%, Non-condensing; Working: T: 0℃ ~ +60℃ 、 H: 10% ~ 90%, Non-condensing;	
Machine Size	170mm (Length) x 115 mm (Width) x 35mm (Height) <Including Ear Hook>	
Packing Size	300mm (Length) x 255 mm (Width) x 155mm (Height)	
Product Weight	Gross Weight : 2.0Kg ;	
Package Weight	Volume Weight : 3.0Kg ;	
Warranty	1 Year; Note: All Rated Voltages Are On Average ±10%;	
Model	Description	P/N
AMS-WE100	Standard Model	PN202208002

## ● Packing List



TX \* 1 & RX \* 1



5G Antenna \* 4



USB-A Cable 1.5M \* 1



Power Adapter \* 2



3.5mm Cable 1.5M \* 1



HDMI Cable 1.5M \* 2

# Instructions

- **Wide Compatibility**

## System



Windows



Mac OS



Linux

## TX Devices



Laptop



PC



DVD



Xbox Game



Camera



## RX Devices



Projector



TV



Display



# Instructions

## ● Application



## ● Connection Description And Use Method

1. Install The Transmitter And Receiver Antennas. Screw-in The Antenna, Please Pay Attention To Screw-in Smoothly;
2. Connect The Signal Source (Computer, Player, Set-top box, etc.) To The Input Port (HDMI IN) Of The HDMI Transmitter With HDMI Cable;
3. Connect The Display Device (TV, Monitor, Projector, etc.) To The Output Port (HDMI Output) Of The HDMI Transmitter With HDMI Cable To Realize The Local Loop-out Function;
4. Connect The Display Device To The Output Port (HDMI Output) Of The HDMI Receiver With HDMI Cable To Realize The Wireless Transmission Function;
5. Connect The Power Cable Of HDMI Transmitter And HDMI Receiver, And The Product Starts To Work.

Note: If The Display Device Has Multiple HDMI Ports, Please Check And Select The Corresponding HDMI Port.

## ● Wireless Check And Pairing Method

1. If The Link Indicator Lights Of The Transmitter And Receiver Are Flashing Quickly, Which Means That The Pairing And Wireless Transmission Functions Are Normal, And No Pairing Operation Is Required.

# Instructions

2. The Pairing Is Done As Required Before Leaving The Factory, And You Do Not Need To pair By Yourself. If The Pairing Information Is Lost, You Need To Pair Again.

## **Pairing Method:**

1. Connect The HDMI Output Of The HDMI Transmitter With The HDMI Output Of The HDMI Receive With HDMI Cable;
2. Connect The Power Cable Of Transmitter And Receiver And Wait For The Power Indicator Light To Be On;
3. Wait For About 10 Seconds Until The Transmitter And Receiver Link Lights Fast Flicker , Indicating That The Pairing Is Successful.  
( If The Pairing Is Fails, Press The Reset Key Of The Receiver With A Metal Needle, And Then Press The Reset Key Of The Transmitter; The Reset Key Can Be Pressed Repeatedly Until The Pairing Is Successful. )
4. After The Pairing Is Completed, Unplug All The Cables And The Power Cable On Both Sides, And Then Connect Them According To Normal Use.

## ● **Failure Phenomena And Troubleshooting Methods**

**Phenomenon 1:** HDMI Wireless Transmitter Has No Display In Local Loop ;

1. Please Check That The Video Resolution Of The Signal Source (For Example:Computer/DVD/Set-top Box/Player etc.) is 1080P And Below. The Maximum Resolution Can Only Support 1080P (1920\*1080@60Hz) Backward Compatibility;
2. Please Check Whether The HDMI Input Cable From The Signal Source To The Transmitter End Of The HDMI Transmitter Is Normal. Due To The Uneven Quality Of The HDMI Cable In The Market, It Is Recommended To Use A Cable With A Length Of 3-5 Meters Or Less;
3. Please Check Whether The HDMI Cable Between The HDMI Out Of The HDMI Transmitter And the Display Device Is Normal.

**Phenomenon 2:** HDMI Wireless Receiver HDMI Out No Display ;

1. Please Check The HDMI Cable Between The Wireless Receiver ( HDMI Out ) And The Display Device Is Normal;
2. If The Display Device (TV/Display/Projector/Screen,etc.) is connected, Please Check Whether The Corresponding Connection Port Is Correct ; (Selected By The TV Remote Controller Or Other Devices);
3. When The Transmitter And Receiver Normal Work Normally, The Link Indicator Light Will Fast Flicker, Indicating That The Wireless Pairing Is Normal. IF The Link Indicator Light Is On Or Off, Please Repair The HDMI Transmitter And Receiver.