LINK-MI®

LINK-MULTIMEDIA INTERFACE

200M VGA / Audio Extender - MJPEG

Model No.: LM-K102TRB

User Manual

Dear Customer

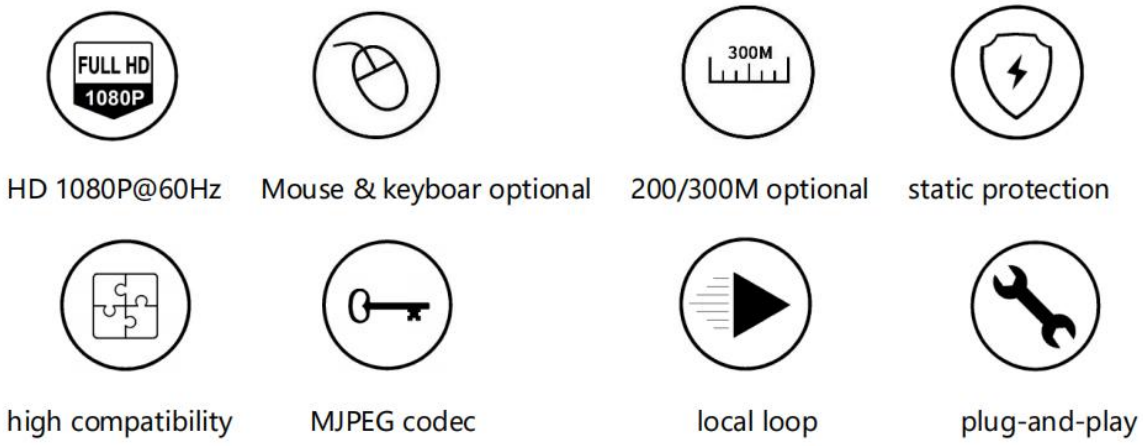
Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

1. Introduction

This series of extenders are used to transmit 1080P HD VGA video, audio, USB keyboard and mouse signals, including multiple styles. It can be directly connected through the network cable or transmitted through the switch, supporting one-to-one and one-to-many application scenarios. And provide a VGA output port on the sender side to connect to the local monitor. The built-in EDID of the extender greatly improves the compatibility of the device.

The device has a long transmission distance, low cost, easy to install, good compatibility, is a stable and efficient transmission method, widely used in computer monitoring systems, high-definition conference systems, high-definition teaching systems, high-definition digital advertising and other signal transmission areas.

2. Main characteristics



3. Features

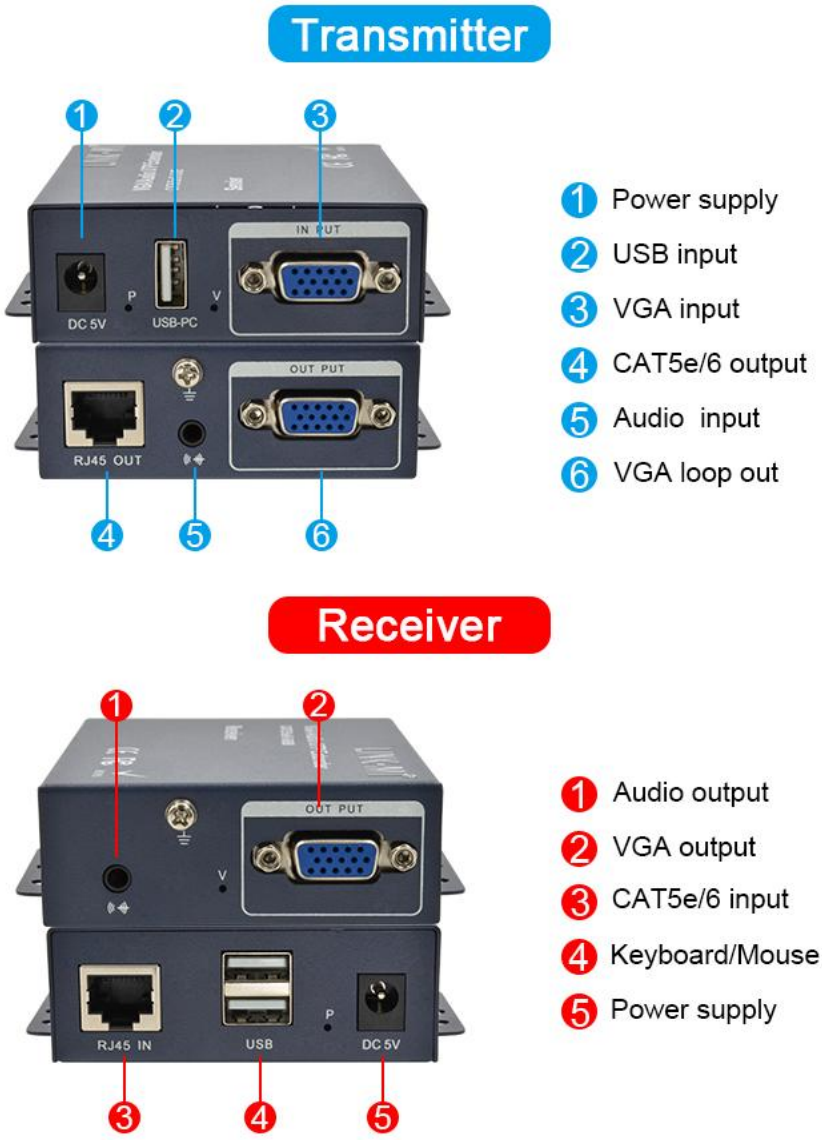
1. Transmits 1080P VGA video, audio, USB keyboard & mouse signals
2. Support Full HD 1080P@60Hz resolution
3. 200m/300m long transmission distance
4. One-to-one and one-to-many application scenarios supported
5. Supports both direct CAT5e/6 cable and switch transmission

6. Local VGA loop-out on sender side for real-time monitoring
7. With 3.5mm audio input and output
8. Built-in EDID for improved device compatibility
9. MJPEG video compression for stable performance
10. High compatibility with various systems and devices
11. Built-in static protection for device safety
12. Cost-effective, and easy to install
13. Plug-and-play, no drivers required
14. Widely used in monitoring, conference, teaching, and digital signage systems

4. Specifications

Brand Name	LINK-MI
Model No.	LM-K102TRB
Product Name	200M VGA KVM Extender Over Cat5e/6 Cable
Video Resolution	1920x1080@60Hz backward compatible
Transmission Distance	Up to 200m (CAT5e/6)
Interfaces	VGA, USB, Audio (3.5mm)
Local Output	VGA loop-out
VGA port bandwidth	350M Hz
Recommended length of VGA cable	No longer than 5 meters
Compression	MJPEG
USB version / interface	USB1.1/USB-A
Network Interface	Standard RJ45 connector
Bandwidth	Each transmitter uses about 60M bandwidth, so only one transmitter should be connected per switch, and it's not recommended to share the switch with other network devices.
Power Supply	DC 5V / 1A
Operating Temperature	-5℃ ~ +70
Working Humidity	5% ~ 90%

5. Interfaces



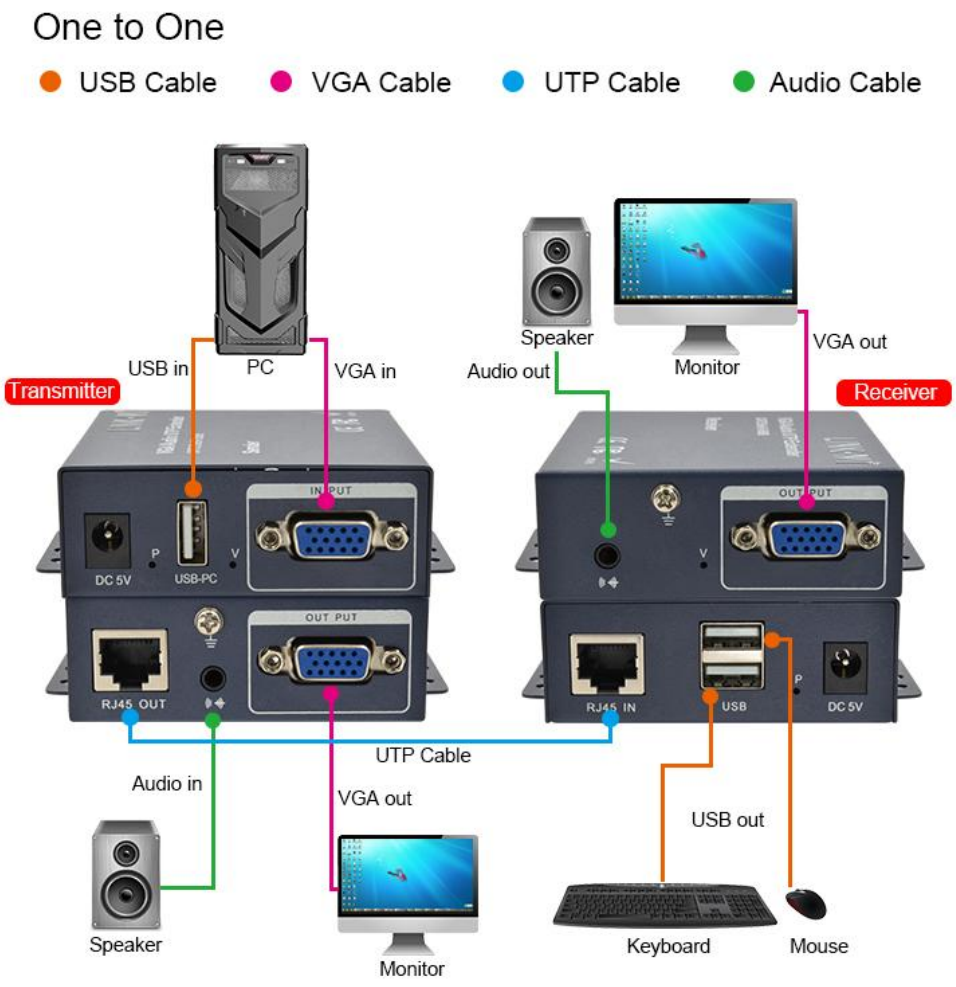
6. Connecting and Operating

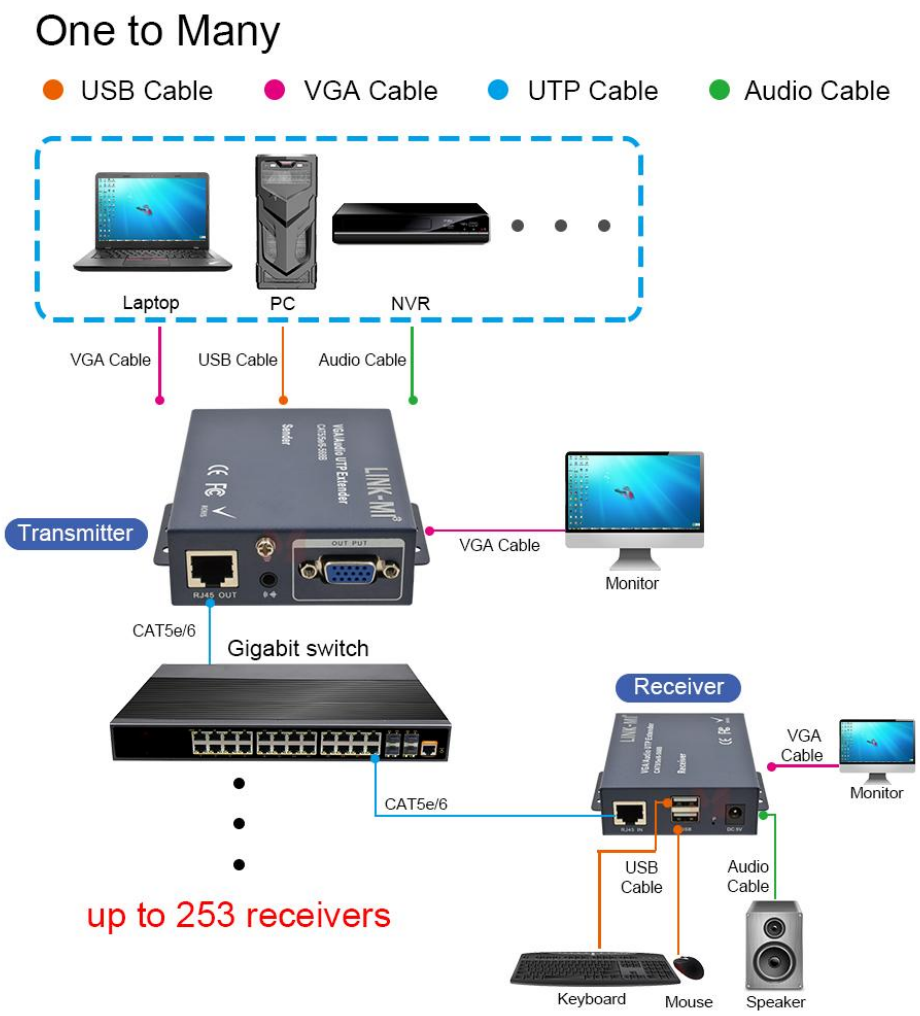
1. Select the national standard network cable standardized wiring, avoid sources of interference or good shielding measures;
2. The VGA signal source into the sender INPUT interface;
3. Connect the OUTPUT interface of the sending end to the local display device;
4. Network cable directly or through the switch/transceiver and other equipment to connect the network interface between the sending end and the receiving end;
5. Connect the OUTPUT interface of the receiving end to the display device;

6. The installation is complete, do grounding and other safety measures.

7. Connection

This device supports one-to-one/one-to-many or fiber optic transceivers and other methods of use, to one multi-transceiver as an example:





Note: Support transmission modes such as one-to-one/one-to-many. It is not recommended to share the switch with other network devices.

8. Package Contents

1x Sender
1x Receiver
2x USB Power Supply
1x USB Cable
1x User Manual

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