

HDMI KVM Extender

(KEH103)

User Manual

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Version: V 1.0

User Information

Phone Support

For phone support, call this number:

Telephone (TEL)	0086-755-26755041
Mobile phone	00 86- 13714411566

User Notifications

All information, documentation, and specifications contained in this manual are subject to change without prior notice. The manufacturer does not make any explicit or implied statement or guarantee about the contents of this document, especially for merchantability or fitness for any specific purpose. Any manufacturer's equipment described in this manual is sold or licensed as it is.

If the equipment is damaged artificially after purchase, the buyer (not the manufacturer) shall bear all costs for necessary repair and any losses caused by equipment defects.

If the correct operating voltage setting is not selected before operation, the manufacturer will not be responsible for any damage caused by system operation. **Please make sure the voltage has been set correctly before use.**

Product Description

The KEH103 KVM extender delivers the HDMI video, mouse, and keyboard signals up to 150 meters over CAT5E/CAT6 cable.

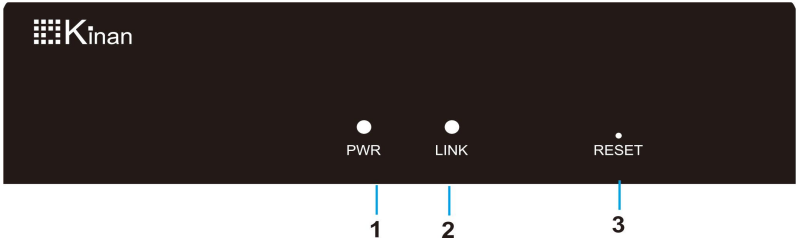
A complete set of KEH103 including the Transmitter (KEH103-TX) and the Receiver (KEH103-RX). The Transmitter is connected to a computer or server, and the Receiver is connected to a display, keyboard, mouse, audio player and other devices.

The KEH103 KVM extender is connected over CAT5E/CAT6 eight-core twisted pair cable, with a maximum transmission distance of 150 meters. It supports transmission of 1-channel high-quality HDMI signal and has a wide range of applications.

Product Features

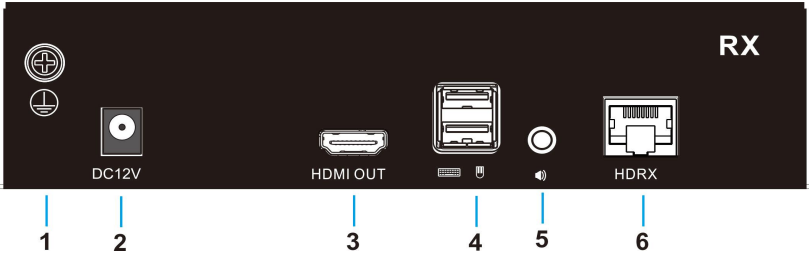
- Support USB keyboard and mouse connection
- Support 1-channel HDMI video transmission, resolution is up to 1920x1080@60Hz
- Support local HDMI video output
- Maximum transmission distance can reach 150 meters
- Support 1-channel analog audio
- Simple installation, simple maintenance
- Plug and play, no software required
- Support hot plug and EDID return transmission

KEH103-RX (Front View)



No.	Components	Description
1	PWR	Power indicator, indicate power status
2	LINK	Connection status indicator
3	RESET	Reset Device

KEH103-RX (Rear View)



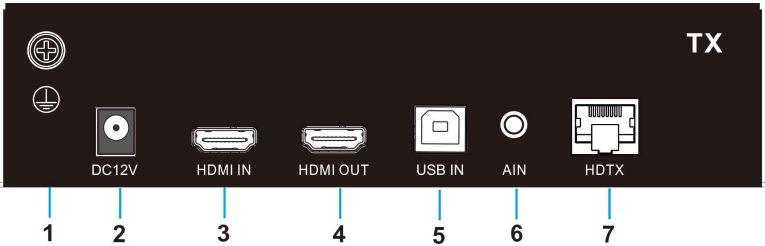
No.	Components	Functional Description
1		For equipment grounding
2	DC12V	12V power connection port
3	HDMI OUT	Connect to HDMI monitor
4		Connect to USB keyboard and mouse
5		Audio Output
6	HDRX	Connect to TX with CAT5E/CAT6 cable

KEH103-TX front panel



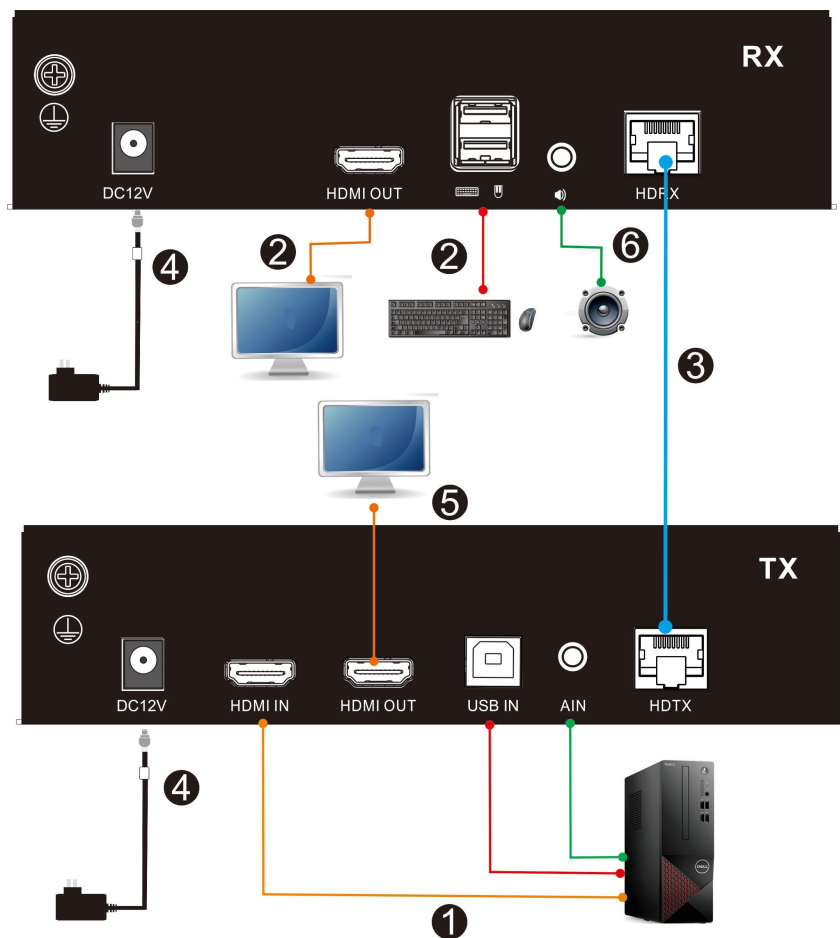
No.	Components	Functional Description
1	PWR	Power indicator, indicate power status
2	LINK	Connection status indicator
3	RESET	Reset Device

KEH103-TX rear panel



No.	Components	Functional Description
1		For equipment grounding
2	DC12V	12V power connection port
3	HDMI IN	Connect to PC or server
4	HDMI OUT	Connect to HDMI monitor
5	USB IN	Connect to the USB port of a computer or server
6	AIN	Audio Input
7	HDTX port	Connect to RX with CAT5E/CAT6 cable

Connection Diagram



1. Connect the KEH103_TX to the video port, USB port and audio port of a computer. (See ① from the above diagram).
2. Connect the KEH103_RX to the keyboard, mouse and monitor (See ② from the above diagram).
3. Connect KEH103_TX unit and KEH103_RX unit with CAT5E/CAT6 cable through the HDTX and HDRX ports. (Max 150m) (See ③ from the above diagram)
4. Power on the KEH103_TX and KEH103_RX respectively (See ④ from the above diagram).

Specifications

Model No.		KEH103-TX	KEH103-RX
Connectors	HDMI Input	1	NA
	HDMI Output	NA	1
	Power	12V	12V
	Network Port	RJ45 x1	RJ45 x 1
	Speaker	3.5MM Stereo Jack x1	3.5MM Stereo Jack x1
	USB Type B	1	N/A
	USB Type A	N/A	2
Resolution		1920 X 1080@ 60 Hz	
Connect the cables		CAT 5E/6	
Power input		DC12V /1A	DC12V/1A
Power consumption		3W	3W
Operating Temperature		0—50 °C	
Storage Temperature		-20—60 °C	
Humidity		0—80% RH, non-condensing	
N.W(kg)		0.65 kg	0.65kg
Dimension (W × D × H)		180mm x 123mm x 44mm	
Package Dimension (W × D × H)		525mm x226mm x 106mm	

Common troubleshooting

No.	Issue	Solution
1	PW light does not light up	Check whether the extender is connected to the 12V power adapter.
		Check whether the power adapter is well connected with the power cord and the power strip.
		Check whether the power strip has mains power (100-240V).
2	LINK light does not light up	Check whether the TX/RX network cable is connected properly.
		Change a CAT5e/ CAT6 network cable that can be used normally.