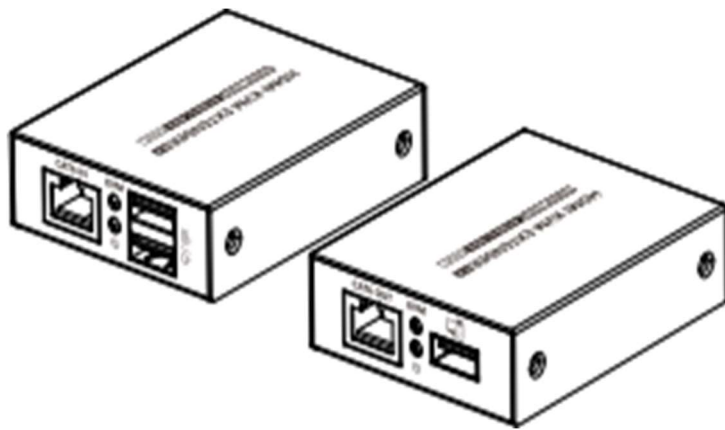# User Guide

VALUE HDMI Point to Point KVM Extender 4K30Hz, 40m

14.99.3043

HDMI

HIGH-DEFINITION MULTIMEDIA INTERFACE

• Important safety instructions

1. Do not disassemble the equipment to repair it during operation to avoid electric shock.

2. Please turn off the power before installation. Installation under voltage may damage the equipment.

3. Do not expose the devices to rain, moisture or liquids.

4. Only use a 5V/2A DC adapter. Make sure the specifications are consistent when using third-party DC adapters.

• Introduction

This HDMI KVM extender consists of a transmitter and a receiver and can transmit an HDMI signal over a Cat6/6A/7 network cable up to 70 meters at a resolution of 1080p and up to 40 meters at a resolution of 4K30Hz. It enables a point-to-point connection and supports KVM. It is perfect for outdoor advertising, monitor systems, home entertainment, conferences, etc.

• Characteristics

1. No latency.

2. Supports resolution up to 4K@30Hz

3. Supports CAT6/6A/7 network cable. For 1080p resolution, the transmission distance is up to 70 meters, for 4K@30Hz transmission up to 40 meters

4. Supports KVM functions

5. Supports HDR10

6. Supports PoC network cable power supply, only TX power supply is required.

7. Automatically adjusts parameters for different network cables to achieve the best display performance.
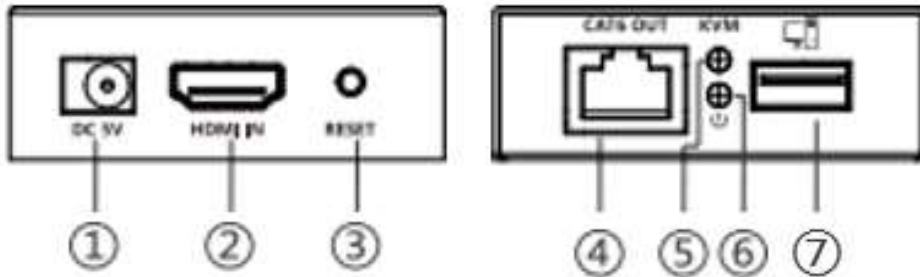
8. Plug and Play

• Package contents

Channel
Recipient
Power supply 5V / 2A
User Guide
USB cable

• Installation requirements

1. HDMI source device (DVD, game console, set-top box, PC, etc.)

2. HDMI display device such as TV or projector with HDMI port.

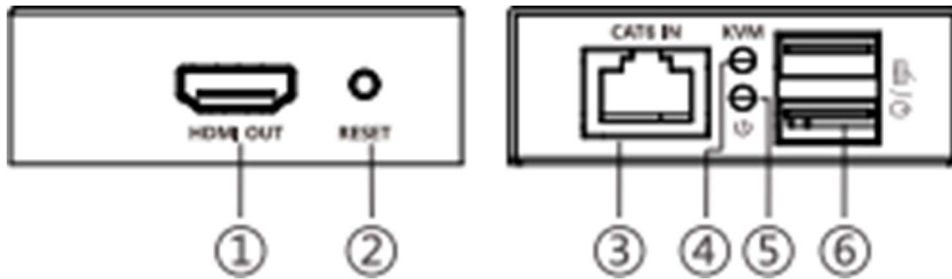3. UTP/STP Cat6/6A/7 cable according to IEEE-568B standard.

• Interfaces

1.Transmitter (TX)

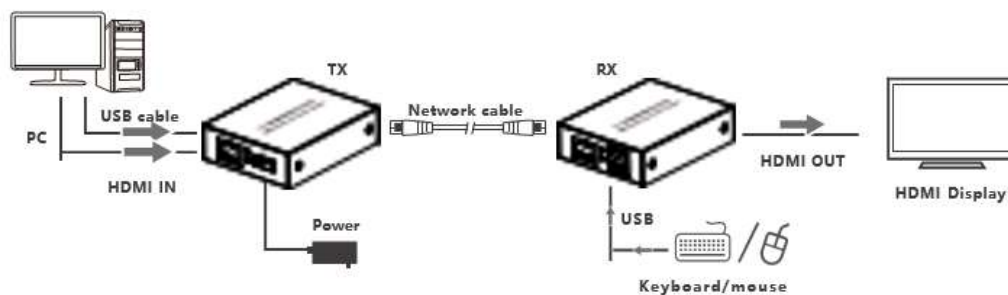| 1	DC5V	Connection for a 5V/2A DC power supply
2	HDMI input	Connect to HDMI source device
3	Reset button	Press the button to restart the device
4	RJ45 output	Connection for a CAT6/6A/7 patch cord
5	KVM Display	a) Off: the USB port and the computer are not connected b) On : The USB port is connected to the computer, but no KVM data is being transferred c) Flashing: KVM data is being transferred
6	Power display	a) Flashing: switched on, but no video data is being transmitted b) On: Video data is being transmitted
7	USB-A port	Connect to the PC with an USB cable

2. Receiver (RX)

1	HDMI output	Connecting to an HDMI display device
2	Reset button	Press the button to restart the device
3	RJ45 input	Connection for a CAT6/6A/7 patch cord
4	KVM Display	a) Off: the USB port and the computer are not connected b) On: The USB port is connected to the computer, but no KVM data is being transferred c) Flashing: KVM data is being transferred
5	Power display	a) Flashing: switched on, but no video data is being transmitted b) On: Video data is being transmitted
6	USB-A ports	Connections for mouse and keyboard

• **Installation procedure**
1. The network cable should comply with the IEEE-568B standard. It is recommended to select a network cable with low loss and crosstalk.

1 Orange/White	2 Orange	3 Green/White	4 Blue
5 Blue/White	6 Green	7 Brown/White	8 Brown

2. Connection

3. Connection instructions

1) Connect the HDMI port of the source device to the HDMI IN port of the transmitter using an HDMI cable.

2) Connect the CAT6 OUT port of the transmitter to the CAT6 IN port of the receiver using a network cable.

3) Connect the HDMI port on the display device to the HDMI OUT port on the receiver using an HDMI cable.

4) Connect the computer to the transmitter using the USB cable and connect the mouse and keyboard to the USB port on the receiver.

5) Connect the devices to power to get started.

• FAQ

Q：Why is the picture or sound not playing smoothly?

A：1）Press the "RESET" button on the receiver to restart the device.

2）Reconnect the devices using a shorter network cable.

Q：Why does the power indicator always flash?

A： 1) Check whether the network cable uses the IEEE 568B wiring standard.

2）Check if the source device and transmitter are connected correctly.

3）Reset the transmitter or receiver and reconnect it.

Q：Why is the receiver's power indicator lit but no image is output?

A：1）Press the "RESET" button on the receiver to restart the device.

2）Check whether the display and receiver are connected correctly.

3）Reconnect the network cable or turn the receiver back on.

• Specification

Attribute		Specification
Power adapter	Voltage current	DC5V/2A (only TX power supply is required)
	Power consumption	TX+RX < 10W
HDMI	HDMI compliance	HDMI 1.4
	HDCP compliance	HDCP 1.4
HDMI	HDMI Resolutions	800x600, 1024x768, 1280x720, 1280x960, 1366x768, 1440x900, 1680x1050, 1920x1080, 480i@60720p@50/60Hz, 1080i@50/60Hz, 1080p@24/25/30/50/60Hz, 3840x2160@24/25/30Hz
	Audio formats	DTS, DTS-HD, PCM, LPCM
	HDR	Supports

	Entrance and exit TMDS signal	0.7 ~ 1.2Vp-p (TMDS)
	Entrance and exit DDC signal	5Vp-p (TTL)
Transmission distance	Cat6/6A/7	1080p@60Hz 70 meters 4K@30Hz 40 meters
Degree of protection	ESD	Implementation of the standard: IEC61000-4-2 1a Contact discharge level 2 (±4KV) 1b Air discharge level 3 (±8KV)
Operating environment	Working temperature	-20 ~ 60 ℃
	Storage temperature	-30 ~ 70 ℃
	Humidity (no condensation)	0～90%RH
Dimensions, Characteristics	Dimensions	75 x 60 x 20mm
	Weight	Tx: 123g RX: 123g
	Color	Black

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