KVM Extender

(KFP1862K)

User Manual

User Notification

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 KFP1862K DisplayPort digital KVM extender delivers DisplayPort video, USB2.0, keyboard, mouse and stereo audio signals up to a remote desk over fiber optic cable or Cat5 cable.
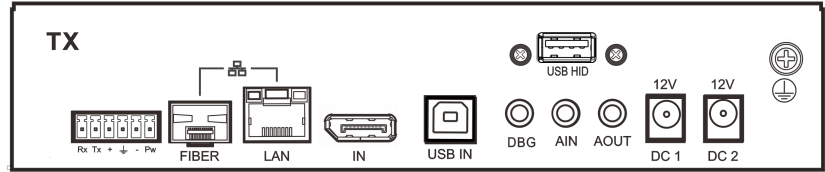
A complete set of KFP1862K including Transmitter (KFP1862K-TX) and Receiver (KFP1862K-RX). The Transmitter is connected to a computer or server, and the receiver is connected to a display, keyboard, mouse, audio player and other USB devices.

*Note: The bandwidth of the optical module must reach 1.25Gbit/sec.
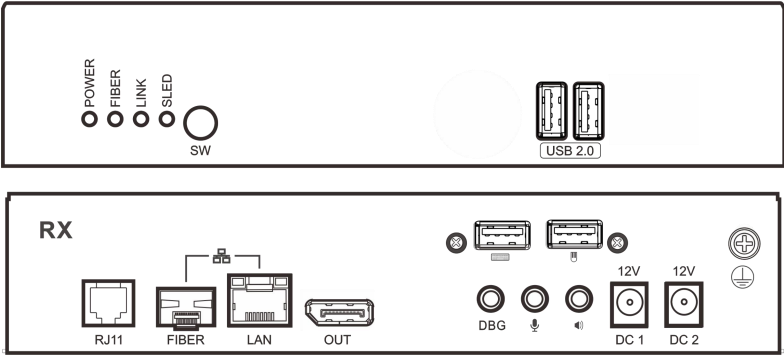
Product Features

- DisplayPort / USB2.0/Audio - KVM Extender
- Single screen version
- Point-to-point connection supports maximum extension distance 120m/394ft
- Support resolution up to 3840x2160@60Hz (4:4:4)
- USB transmission rate up to 480Mbit/s
- Support transmission through fiber optic and network (CAT5e/6/7)

KFP1862K_TX

TX

No.	Components		Description
1	LED	POWER	Power indicator
		FIBER	Connection indicator of FIBER
		LINK	Connection indicator
		SLED	System indicator
2	USB HID		connect to PC or server
3	Rx Tx + ⏚ - Pw		Reserved interfaces
4	FIBER		Fiber interface
5	LAN		LAN interface
6	IN		DisplayPort video input
7	USB IN		USB-B, connect to PC or server
8	DBG		Debug interface
9	AIN		Audio input
10	AOUT		MIC output
11	DC1, DC2		Connect to the 12V power supply
12	⏚		Ground the device

KFP1862K_RX

No.	Components		Description
1	LED	POWER	Power indicator
		FIBER	Connection indicator of FIBER
		LINK	Connection indicator
		SLED	System indicator
2	SW		Reserved interfaces
3	USB2.0		Connect to USB2.0 peripherals
4	⌨		Connect to a USB keyboard
5	🖱		Connect to a USB mouse
6	RJ11		Reserved interfaces
7	FIBER		Fiber interface
8	LAN		LAN interface
9	OUT		HDMI video output
10	DBG		Debug interface
11	🎤		MIC input
12	🔊		Audio output
13	DC1, DC2		Connect to the 12V power supply
14	⏚		Ground the device

Connection Diagram
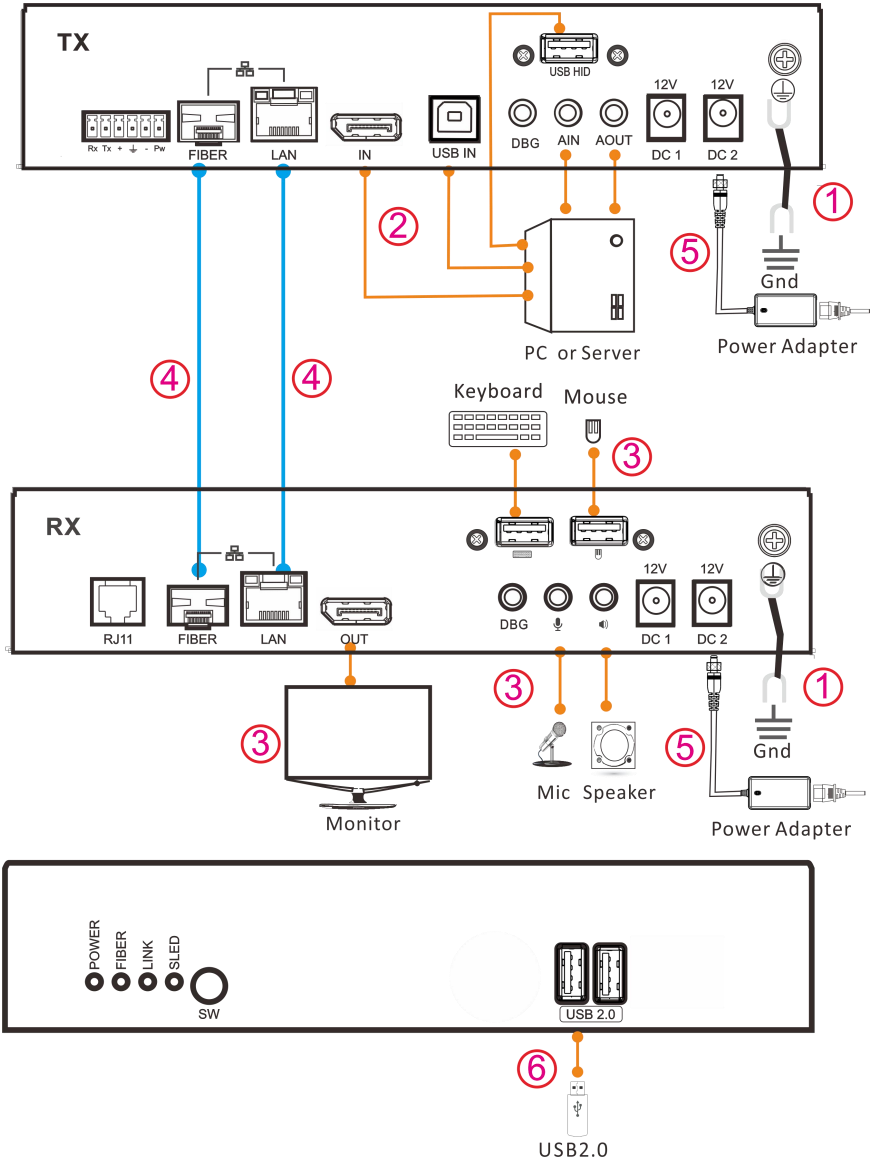
1. Make sure the KVM extender is grounded (See ① in the above diagram)

2. Connect the KFP1862K_TX to the DisplayPort video port, USB port and audio port of a computer. (See ② in the above diagram)

3. Connect the KFP1862K_RX to keyboard, mouse, monitor and audio device. (See ③ in the above diagram)

4. Connect the transmitter and receiver interfaces via optical fiber or CAT5E cable. (See ④ in the above diagram)

5. Power on the transmitter and receiver. (See ⑤ in the above diagram)

6. Connect the USB peripheral to the receiver (KFP1862K _RX) (See ⑥ in the above diagram)

Specifications

Specifications		KFP1862K _TX	KFP1862K _RX
Connections	DisplayPort input	1	N/A
	DisplayPort output	N/A	1
	Power	2x 12V	2x 12V
	LAN port	1x RJ45	1x RJ45
	Optical Module	1x SFP+	1x SFP+
	Mic	3.5MM Stereo Jack (Green)	3.5MM Stereo Jack (Pink)
	Speaker	3.5MM Stereo Jack (Pink)	3.5MM Stereo Jack (Green)
	Square USB	1	N/A
	USB	1	4
Resolution		3840 x 2160@60Hz	
Cable		CAT5e/6/7 or Optical Fiber Cable	
I/R Value		DC12V / 3A	DC12V / 3A
Power consumption		9W	10W
Operating temperature		0—50 ℃	
Storage temperature		-20—60 ℃	
Humidity		0—80% RH, non-condensing	
Material		Metal	
Net weight(kg)		0.8 kg	0.8 kg
Product dimension (W × D × H)		212mm x 124.3 mm x 44mm	
Package dimension (W × D × H)		525mm x 226mm x 106mm	