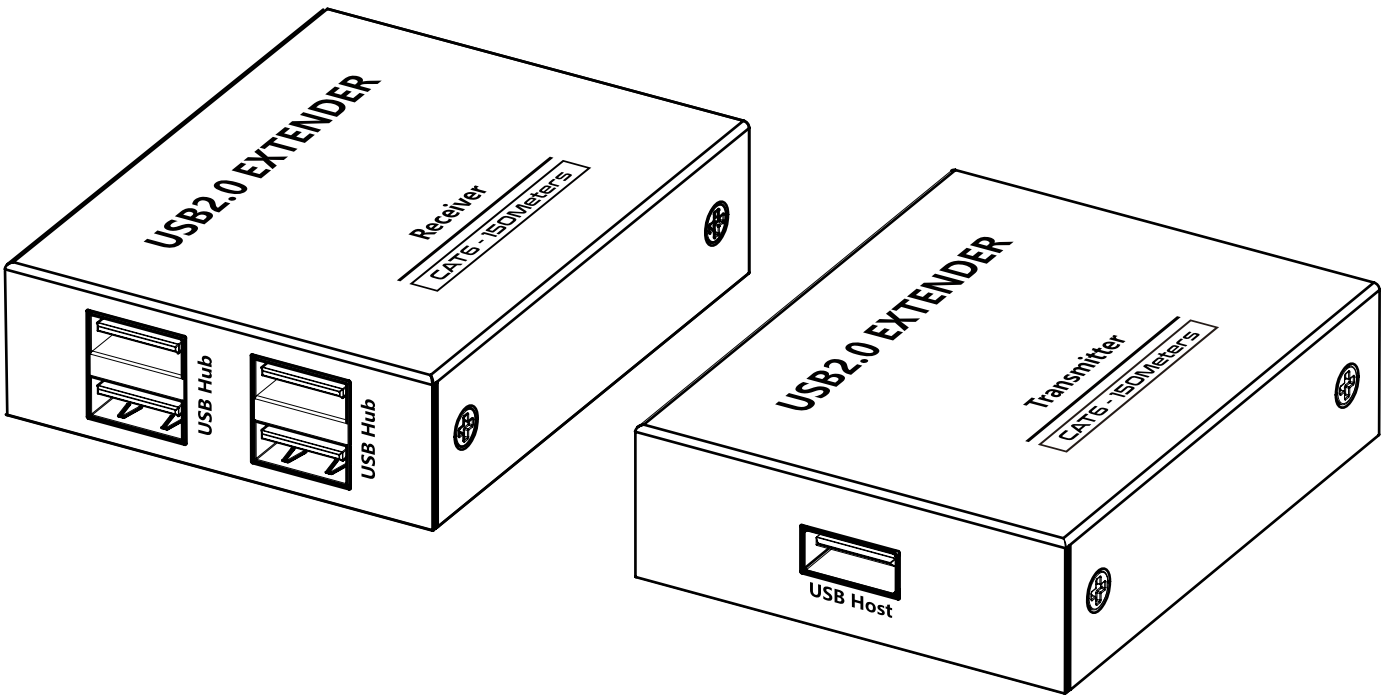
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Communication & Electronics LTD

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Model Number 18145
Extender USB2.0 High-Speed, 150m 4-Ports

User Manual

150m 4-Ports High-Speed USB2.0 Extender



- **Important Safety Instructions:**

1. To prevent electric shock, please ensure that all apparatus is properly grounded.
2. Place the device in a well-ventilated area, do not block any ventilation openings.
3. Do not expose this apparatus to rain or place it near water. Any liquid that goes into the apparatus may cause a failure, fire, or electric shock.
4. Do not place the device on an uneven or unstable surface. The device may fall resulting in a malfunction.
5. Never insert anything metallic into the open parts of this apparatus. This may cause a danger of electric shock.
6. If a three-party power supply is used, please ensure that the power supply specifications meet the product requirements.

- **Introduction**

This is a USB 2.0 extender, which can realize one-to-one connection through CAT5e/6/7 network cables, with a transmission distance of up to 100m for CAT5e and 150m for CAT6 and above; When the connection passes through the switch, the input and output cable distances can reach 100m respectively. It supports 4 channels of USB 2.0 device input, such as printer, camera, scanner, USB flash drive, keyboard, mouse, touchscreen, etc., and supports gigabit switch cascade.
It can be used for security monitoring, gaming, industrial control, professional audio-visual, smart medical and other fields.

- **Features**

1. Support USB 2.0 High-Speed, Compatible with USB 1.1 Full-Speed, USB1.0 Low-Speed.
2. Support 4 USB 2.0 inputs and 1 USB 2.0 output.
3. Compatible with CAT5e/6/7 network cables, CAT5e transmission distance can reach 100m, and CAT6/7 transmission distance can reach 150m.
4. Support USB hub connection.
5. The transmitter is powered by the source device, no additional power supply is required.
6. Support switch relay, the transmission distance of signals can be increased through the switch.
7. Support hot-plugging of USB devices and automatically identify USB High-Speed, Full-Speed and Low-Speed
8. Lightning protection, surge protection, ESD protection.
9. Plug and play.

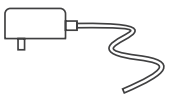
- **Package Contents**



Transmitter x1



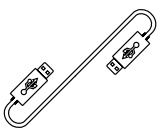
Receiver x1



DC5V/1A x1



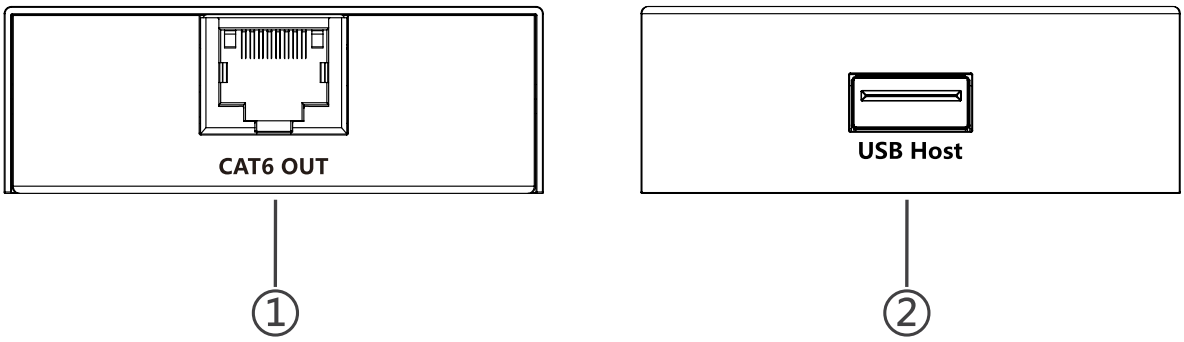
User Manual x1



USB Cable x1

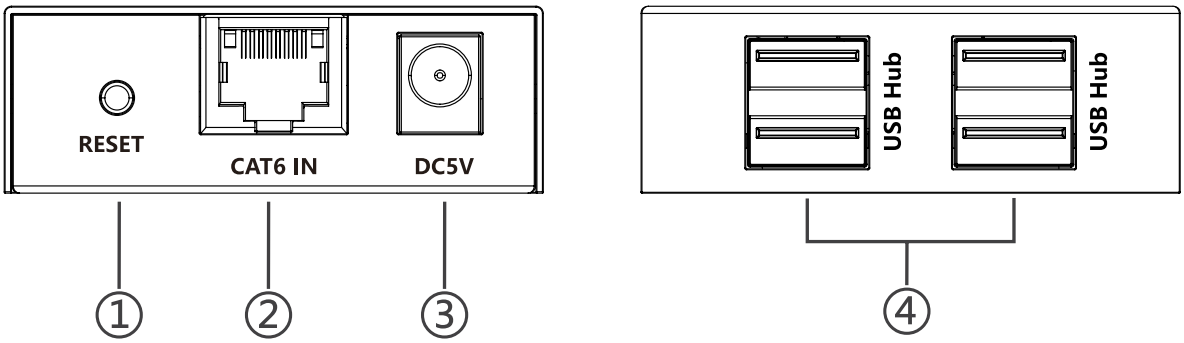
- **Panel Description**

Transmitter



①	RJ45 Ports	Connect with CAT5e/6 network cable
②	USB-A Ports	Connect with computer

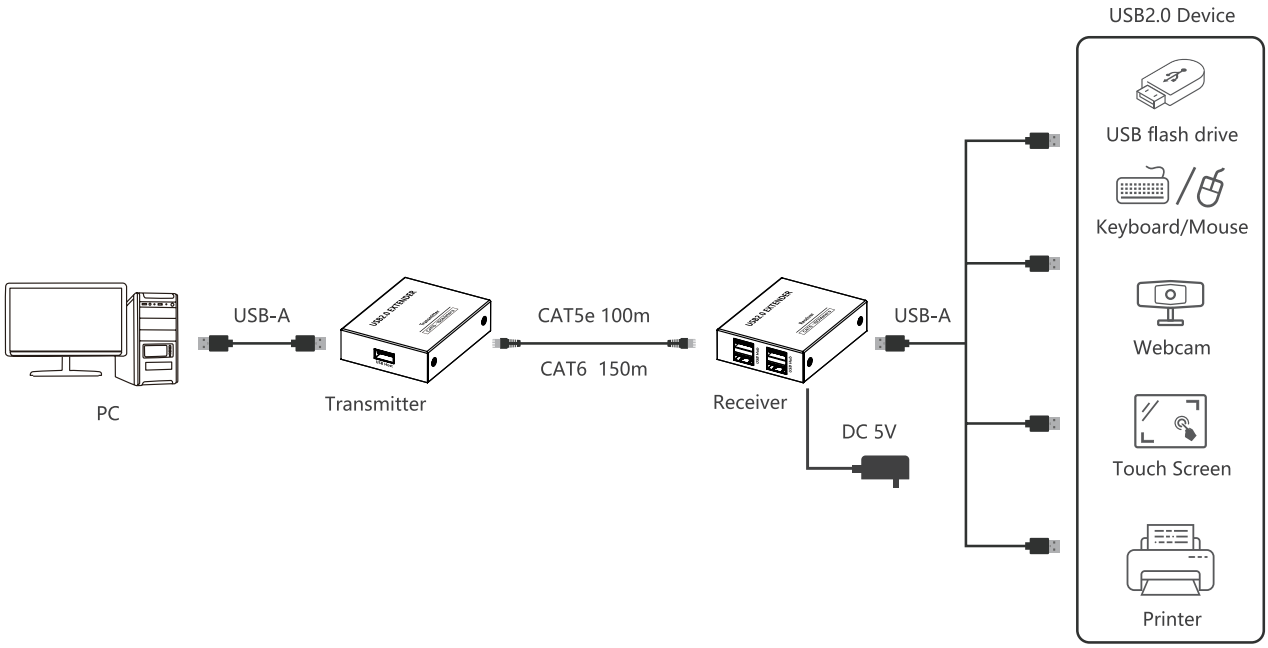
Receiver



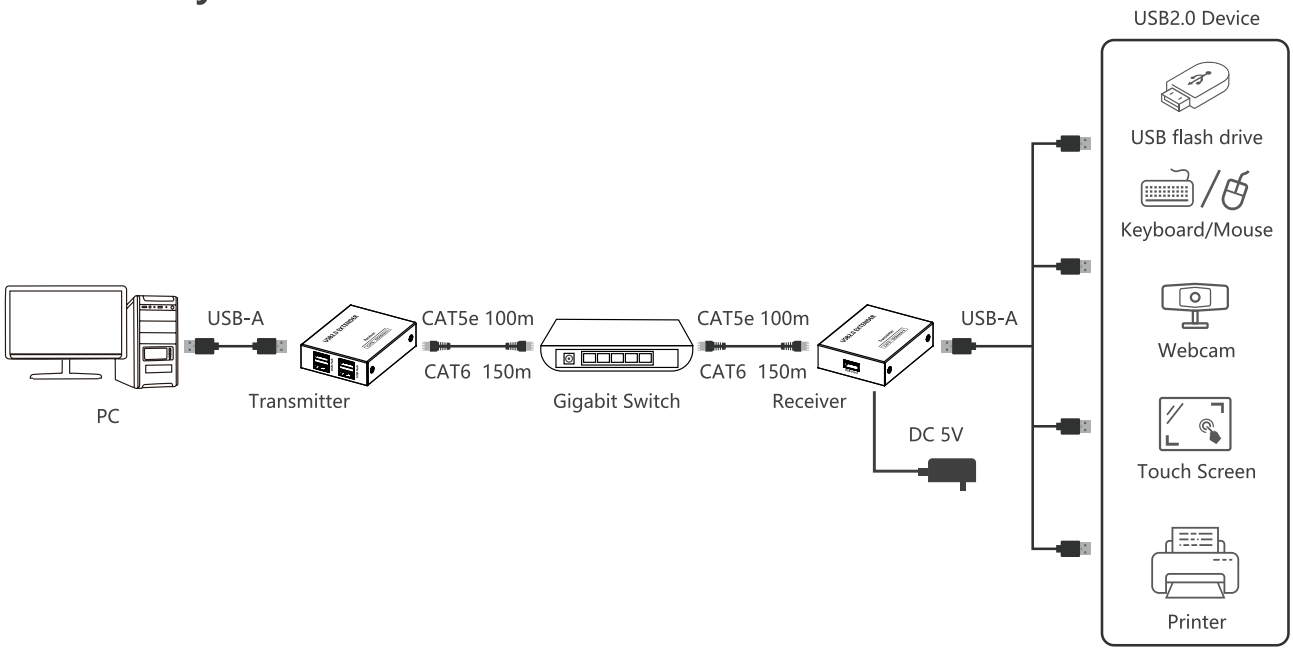
①	Reset Button	Press to restart the device
②	RJ45 Ports	Connect with CAT5e/6/7 network cable
③	Power Input	Connect with DC5V/1A power adapter
④	USB-A Ports	Connect with USB 2.0 devices such as USB flash drive, keyboard, mouse

- # Installation Procedures

One-to-one connection



Switch relay



Connection Instructions

1. Connect the transmitter to the signal source device via USB cable, and then connect the USB device to the receiver.
2. Connect the transmitter and receiver with Cat5e/6/7 network cable. If the transmission distance needs to be further extended, connect the switch between the transmitter and the receiver.
3. Plug the power supply into the receiver to get started.

- **Q&A**

Q: There is no response after USB device is connected?

A: 1) Please check whether the driver is installed properly;
2) Please check whether the network cable conforms to IEEE-568B standard and whether the cables are firmly connected;
3) Reset the receiver by pressing the reset button or repower it.

Q: The receiver is unstable when connected to an external web camera?

A: When connecting high-power USB devices, it is necessary to supply additional power to external devices.

- **Specification**

Item	Parameters
Compatibility	USB 2.0, compatible with USB1.1, USB1.0
Transmission Rate	Compatible with High-Speed(480Mbps), Full-Speed(12Mbps), Low-Speed(1.5Mbps)
Transmission Distance	CAT5e≤100m； CAT6/6A/7≤150m
USB Device	Support printer, camera, scanner, USB flash drive, keyboard, mouse, touch screen...
Switch Extension	Supports Gigabit switches
USB Hot-Plug	Support
Operating System	Windows, MacOS, Linux, Android
USB-A	4 ports USB-A input 1 ports USB-A output
Standard	CAT5e/CAT6/CAT6A/CAT7， Follow IEEE-568B Standard
Physical Properties	
Housing	Iron
Dimensions	76.0(L) x 60.0(W) x 21.0(H) mm
Weight	Tx：123g Rx：128g
Color	Black
Power	
Power Supply	TX：powered by the source device RX：DC5V/1A
Power Consumption	TX≤2W RX≤2W
Operating Environment	
Working temperature	-20～60℃

Storage temperature	-30 ~ 70℃
Humidity	0 ~ 90% （No condensation）
Protection	ESD protection 1a Contact discharge level 2 (±4KV) 1b Air discharge level 3 (±8KV) Implementation of the standard: IEC61000-4-2
	Lightning protection, Surge protection
Application	
Industrial Control, KVM Extension, Professional AV, Security and Monitoring, Gaming, etc.	

Disclaimer

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