

# USB2.0光纤延长器用户手册

## 特别提示

- ※ 在使用本产品之前，请务必先仔细阅读本使用说明书。
- ※ 请务必妥善保管好本书，以便日后能随时查阅。
- ※ 请在充分理解内容的基础上，正确使用。
- ※ 本公司保留对产品进行更改的权利，由于技术更新产品参数变化恕不另行通知。

## 概述

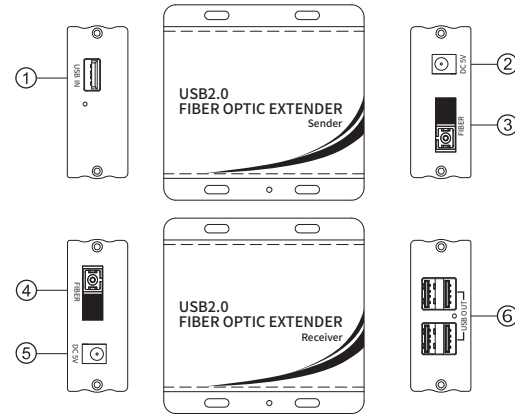
这款USB2.0光纤延长器通过光纤线来延长USB的传输距离最高可达6公里并扩展为4个USB接口，支持USB2.0高速、全速、低速，支持USB2.0高速摄像头、硬盘驱动器、打印机、扫描仪、音频设备、触摸屏、游戏控制器等设备，产品可广泛应用于视频会议、多媒体教学、医疗系统、商业展示、安防监控等领域。

## 产品特点

- 支持USB2.0及USB1.1协议，支持USB摄像机、打印机、U盘、硬盘、扫描仪、触摸屏、键盘鼠标等各类USB外设；
- 支持自动识别高速（480Mbps）、全速（12Mbps）、低速（1.5Mbps）的USB设备；
- 支持USB实时数据传输可高达6千米，非实时数据可达10千米以上；
- 支持所有主要的操作系统: Windows、Mac OS X、Linux、Android；
- 光纤延长扩展为4个USB接口，最大电流500mA；
- SC接口单芯光纤传输，无需安装任何驱动程序即可使用；
- 支持热插拔USB设备、安装简单、即插即用。

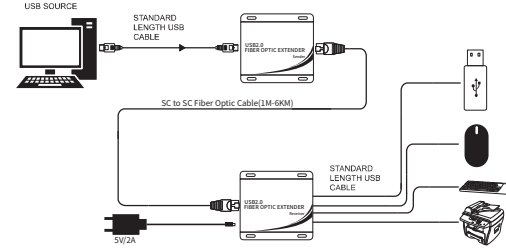
(以产品实物为准)

## 面板介绍



- ① USB IN-----USB信号输入接口;连接电脑/硬盘录像机等；
- ② DC5V-----发送端DC5V电源接口；
- ③ FIBER-----SC单口光纤信号输出接口；
- ④ FIBER-----SC单口光纤信号输入接口；
- ⑤ DC5V-----接收端DC5V电源接口；
- ⑥ USB OUT-----USB信号输出接口;用于连接键盘、鼠标、手写板和游戏控制器等USB设备。

## 系统连接图



## 产品规格

- 输入USB接口-----USB-A/F
- 输出USB接口-----USB-A/F
- 兼容USB版本-----USB1.1 and USB 2.0
- 光纤接口-----SC接口单模单纤
- 光学波长-----S/M1310nm,1550nm
- 光纤速率-----1.25Gbps
- 光纤线缆长度-----1-6KM
- 电源适配器规格-----交流输入(50/60HZ):100V-240V,直流输出:5V/2A
- 工作温度-----0~40℃
- 工作湿度范围-----5~85%RH(无冷凝)
- 发射端尺寸-----103X97X29(mm)
- 发射端重量-----150g
- 接收端尺寸-----103X97X29(mm)
- 接收端重量-----150g

## 配件清单

序号	名称	数量	备注
1	产品主机	1套	
2	DC5V2A电源适配器	1个	
3	用户手册	1份	
4	保修卡	1份	

## 安全使用须知

为确保设备可靠使用及人员的安全，请在安装、使用和维护时，请遵守以下事项：

- 请勿在下列场所使用本产品：有灰尘、油烟、导电性尘埃、腐蚀性气体、可燃性气体的场所；暴露于高温、结露、风雨的场合；有振动、冲击的场合。电击、火灾、误操作也会导致产品损坏和恶化；
- 避免带电状态进行接线、插拔电缆插头，否则容易导致电击，或导致电路损坏；
- 安装和接线必须牢固可靠，接触不良可能导致误操作；
- 本产品通过电源线的接地导线接地，为避免电击，必须将接地导线与大地相连，在对本产品的输入端或输出端进行连接之前，请务必将本产品正确接地；
- 必须将外部电源全部切断后，才能进行安装、接线等操作，否则可能引起触电或设备损坏；
- 在下列情况下，请立即断开电源，并与公司联系：
  1. 设备进水；
  2. 设备摔坏或机壳破裂；
  3. 设备工作异常或展示的性能已完全改变；
  4. 设备产生气味、烟雾或噪音。
- 请不要自己修理设备，除手册中有明确指示外。

# USB2.0 FIBER EXTENDER User Manual

## Special Notification

- ※ Before using this product, please read this manual carefully.
- ※ Please keep this manual for future reference.
- ※ The company may change the fuction of product without notice.

## Summary

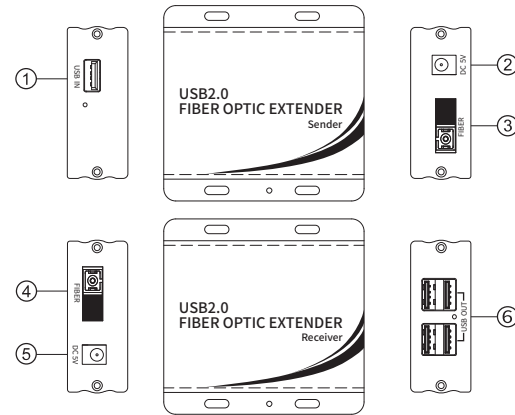
USB2.0 fiber optic extender uses fiber optic cables to extend the USB transmission distance up to 6 kilometers and expands to 4 USB ports, supports USB2.0 high-speed, full-speed, and low-speed, supports USB2.0 high-speed cameras, hard drives, Printers, scanners, audio equipment, touch screens, game controllers and other equipment, products can be widely used in video conferencing, multimedia teaching, medical systems, commercial display, security monitoring and other fields.

## Features

- Support USB2.0 and USB1.1 protocol, support USB camera, printer, U disk, hard disk, scanner, touch screen, keyboard and mouse and other USB peripherals;
- Support automatic identification of high-speed (480Mbps), full-speed (12Mbps), and low-speed (1.5Mbps) USB devices;
- Support USB real-time data transmission up to 6 kilometers, non-real-time data up to more than 10 kilometers;
- Support all major operating systems: Windows, Mac OS X, Linux, Android;
- The optical fiber is extended to 4 USB ports, the maximum current is 500mA;
- SC interface single-core optical fiber transmission, can be used without installing any driver software;
- Supports hot-swappable USB devices, simple installation, plug and play.

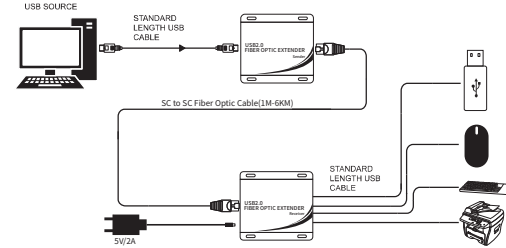
(To prevail in kind)

## Introduction of the front and rear panels



- ① USB IN-----1xUSB Signal input interface;Connect the computer and DVR;
- ② DC5V-----Sender port DC5V power interface;
- ③ FIBER-----SC port optical fiber signal output interface;
- ④ FIBER-----SC port optical fiber signal input interface;
- ⑤ DC5V-----Receiver port DC5V power interface;
- ⑥ USB OUT-----4xUSB Signal output interface;Used to connect the keyboard, the mouse, the handwriting board, and the gamecontroller, etc. USB equipment;

## System connection diagram



## Specifications

- USB input interface-----1x USB-A/F
- USB output interface-----4x USB-A/F
- Compatible USB version-----USB1.1 and USB 2.0
- Fiber port-----SC Single Mode
- Fiber Wavelength-----S/M 1310nm, 1510nm
- Fiber Data-----1.25Gbps
- Fiber cable distance-----1M-6KM
- Power Adapter Specifications-----AC(50/60HZ):100V-240V,DC Output:5V/2A
- Operating temperature range-----0~40℃
- Operating humidity range-----5~85% RH (non-condensing)
- Sender Dimension(L×W×H)-----103×97×29mm
- Receiver Weight-----150g
- Sender Dimension(L×W×H)-----103×97×29mm
- Receiver Weight-----150g

## Packing List

No.	Name	Qty	Remark
1	USB extender host(TX&RX)	1set	
2	DC5V-Power adapter	1ps	
3	Manual	1ps	

## The matters needing attention of installation

In order to ensure the reliable performance of the equipment and the safety of the user, please observe the following matters during the process of installation, use and maintenance.

- Please do not use this product in the following places: the place of dust, soot and electric conductivity dust, corrosive gas, combustible gas; the place exposed to high temperature, condensation, wind and rain; the occasion of vibration and impact. Electric shock, fire, wrong operation can lead to damage and deterioration to the product, either;
- Should avoid wiring and inserting cable plug in charged state, otherwise it is easy to cause the shock, or electrical damage;
- The installation and wiring should be strong and reliable, contact undesirable may lead to false action;
- This product grounds by the grounding wires. To avoid electric shocks, grounding wires and the earth must be linked together. Before the connection of input or output terminal, please make sure this product is correctly grounded;
- Only after cutting down all external power source, can install, wiring operation begin, or it may cause electric shock or equipment damage;
- Please do not dismantle the equipment, avoid damaging the internal electrical component.