

**HDMI KVM EXTENDER**  
User Manual

**BF-377**

HDMI KVM Extender Over Single Fiber with IR (20KM)

(Full HD 1080P TCP/IP)

Bring High-Definition to your life!



**BAFO Premium Partner (India)**

Yeshwanthpur, Bangalore-560 022 India Tel:

+91 97399 52969, +91 80 23374772/ 73/ 74

[sales@icpl.co.in](mailto:sales@icpl.co.in)

[www.icplindia.com](http://www.icplindia.com)

**Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.**

**1.0 INTRODUCTION**

BAFO HDMI KVM Fiber Extender is based on TCP/IP standard. It transmits max 20KM from your HDMI source (computer, media player, DVR, etc) to HDMI display by single SC Fiber cable. At the same time, you can control the source from a distance by using keyboard and mouse. It is also convenient to transmit HDMI audio and video source by point-to-point mode, one point-to-many mode and cascade connection mode.

**2.0 FEATURES**

1. Support HDMI1.3/HDCP1.2 protocol
2. Support input/output resolutions: 60fps 1080p/720p/576p/480p
3. Support IR remote control 20~60KHz
4. Audio format support: DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD
5. TCP/IP protocol compliant, one transmitter and multiple receivers with a maximum of 253 receivers
6. Simple to install, plug and play, no drivers needed
7. With KVM function (USB port), for remote control by keyboard and mouse

**3.0 PACKAGE CONTENTS:**

When first unpacking your extender please check to see if the following items are included:

- |                               |      |
|-------------------------------|------|
| 1. HDMI Transmitter -----     | 1PC  |
| 2. HDMI Receiver -----        | 1PC  |
| 3. IR-TX -----                | 1PC  |
| 4. IR-RX -----                | 1PC  |
| 5. 12V DC Power Adaptor ----- | 2PCS |
| 6. USB Data Cable -----       | 1PC  |
| 7. User Manual -----          | 1PC  |

**4.0 SPECIFICATIONS**

- |                                       |  |
|---------------------------------------|--|
| HDMI Version -----                    | HDMI V1.3  |
| Transmitter Input Port -----          | HDMIx1(AF), USB(BF)x1                                  |
| Transmitter Output Port -----         | HDMIx1(AF), SC Fiberx1, IR-TXx1                        |
| Receiver Input Port -----             | SC Fiberx1, IR-RXx1                                    |
| Receiver Output Port -----            | HDMIx1(AF), USB(AF)x2                                  |
| Frequency Bandwidth -----             | 2.25Gbps (single link)                                 |
| Input/Output Resolutions -----        | 480p,576p,720p,1080p                                   |
| Audio -----                           | Sample rate:32kHz,44.1kHz,48kHz                        |
| IR Remote Control -----               | 20~60KHz; NEC  |
| ESD Protection Human Body Model ----- | ± 8kV (air-gap discharge)<br>± 4kV (contact discharge) |
| Operating Temperature -----           | 0°C ~ 40°C / 32°F ~ 104°F                              |
| Storage Temperature -----             | 20°C ~ 60°C / -4°F ~ 140°F                             |
| Relative Humidity -----               | 20~90% RH (non-condensing)                             |
| Dimensions (mm) -----                 | 170x81.5x22  |



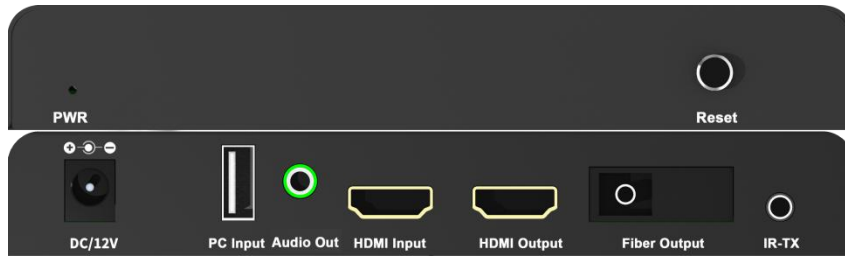
**BAFO Premium Partner (India)**

Yeshwanthpur, Bangalore-560 022 India Tel:  
+91 97399 52969, +91 80 23374772/ 73/ 74  
sales@icpl.co.in  
[www.icplindia.com](http://www.icplindia.com)

**5.0 PANEL DESCRIPTIONS**

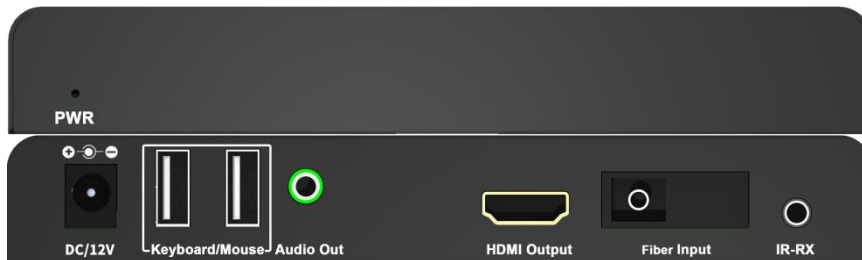
Please study the panel drawings below and become familiar with the signal input, output and power requirements.

**HDMI KVM Extender Transmitter**



- PWR ----- Power Indicator
- Reset ----- Reset Button
- DC/12V ----- Power Input Port
- PC In ----- USB Input Port
- Audio Out ----- Stereo Output Port
- HDMI Input ----- HDMI Input Port
- HDMI Output ----- HDMI Loopout
- Fiber Output ----- Fiber Output
- IR-TX ----- IR Transmitter

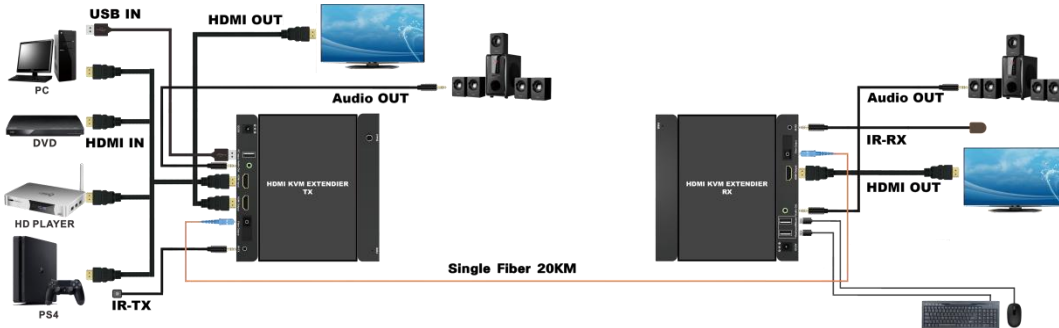
**HDMI KVM Extender Receiver**



- PWR ----- Power Indicator
- DC/12V ----- Power Input Port
- K/M ----- Keyboard/Mouse Port
- Audio Out ----- Stereo Output Port
- HDMI Output ----- HDMI Output Port
- Fiber Input ----- Fiber Input
- IR-RX ----- IR Receiver

## 6.0 CONNECTION AND OPERATION

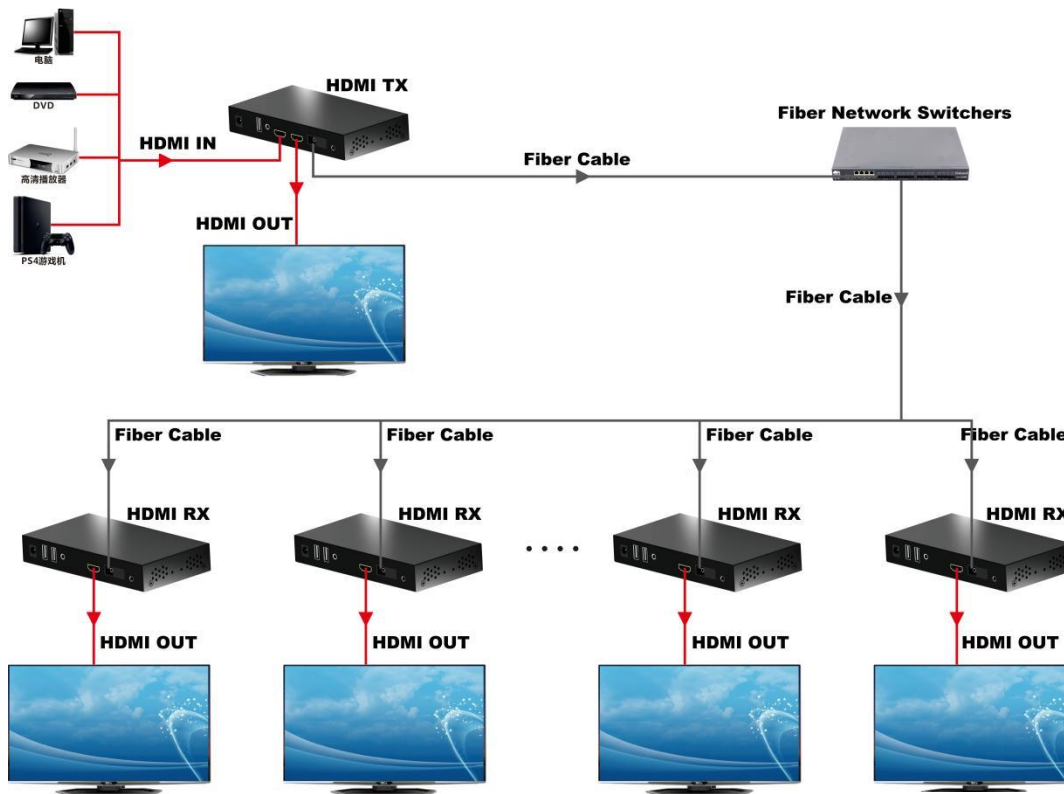
### 6.01 Transmitter and Receiver one by one application.



Before installation, please make sure all devices you wish to connect have been turned off.

1. Connect HDMI source to the transmitter unit.
2. For PC source, connect USB port to the transmitter unit using the USB cable provided.
3. Use SC Fiber cable to connect transmitter and receiver of HDMI KVM Extender.
4. Connect the display device to the receiver unit.
5. Connect keyboard and mouse to the receiver unit.
6. Power on all connected devices.

### 6.02 Transmitter and Receiver one by N application, N can up to 253.



**Interace**  
Connectors to Connectivity®

**BAFO Premium Partner (India)**

Yeshwanthpur, Bangalore-560 022 India Tel:  
+91 97399 52969, +91 80 23374772/ 73/ 74  
sales@icpl.co.in  
[www.icplindia.com](http://www.icplindia.com)

### 7.0 INSTALLATION AND PRECAUTIONS

To avoid electric shock, product damage, and for your safety, please notice the following:

1. Please slowly plug or unplug signal cables and do not plug or unplug too often, or shake them.
2. The equipment should not be placed under the sun, rain and damp or unventilated environment.
3. Liquid items should not be placed on the equipment.
4. Do not install the equipment near heat sources such as fire, power, or other amplifiers that produce heat.
5. Do not insert the metal or other objects to the equipment in addition to connecting cables to ports.
6. Do not demolish the equipment by yourself; it should be maintained by professional maintenance staff.