60KM HDMI2.0 Extender Over Fiber

4K@60hz YUV4:4:4, HDR

Model: HDMIFIB18G

OPERATION MANUAL

Dear Customer

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.

TABLE OF CONTENTS

FEATURES

- Transmit distance up to 60KM over Single mode, (Multi mode upto 300m) fiber module Single /Duplex fiber (Optional) cable.
- Support resolution upto 4kx2k@60hz, YUV4:4:4 HDR.
- Support bandwidth upto 18Gbps.
- Without latency.
- Support HDCP2.2 input, HDCP2.2 output.
- Support HDCP1.4 input, HDCP1.4 output.
- Support RS232 Bi-direction pass through.
- With Automatic EDID for rapid integration of source and display.
- Support LPCM 7.1, Dolby®True HD, DTS-HD Master Audio™ .
- Locking power supplies.
- Surface-mountable.

PACKING CONTENTS

1). Main Unit. HDMI Extender Over Fiber

2). DC12V 1A Power Supply X2

3). Operating Instructions

***The Unit Without Modules**

SPECIFICATIONS

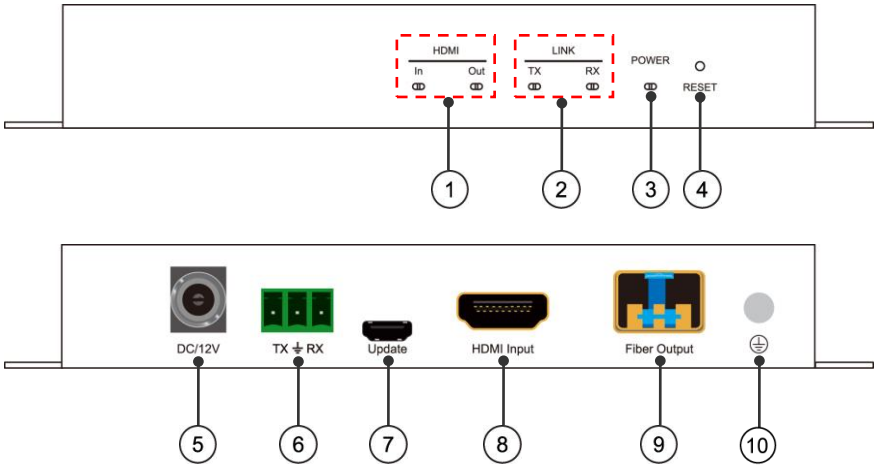
Operating Temperature Range	-5 to +40℃(+23 to +95℉)
Operating Humidity Range	5 to 90%RH (No Condensation)
Video Input(Transmitter)	1xHDMI Type A, 19-pin, female
Video Output(Receiver)	1xHDMI Type A, 19-pin, female
Link(Transmitter/ Receiver)	1m~60Km single Multi mode 300m single Duplex fiber optical cable
Module type required①	SFP Type, Single / Multi mode ,Single / Duplex fiber (optional)
Video Format	4K@60Hz YUV 4:4:4, 4K@60Hz, 1080P, 720P, 576P, 480P/ VESA Resolution
Audio Format	Support LPCM 7.1, Dolby®True HD, DTS-HD Master Audio™ .
HDCP	HDCP 1.4 in, HDCP 1.4 out HDCP 2.2 in, HDCP 2.2 out
Power consumption	Transmitter: 3watts(Maximum) Receive: 3watts(Maximum)
Dimension (L×W×H)	Transmitter: 96*100*21mm Receiver: 96*100*21mm
Net Weight	475g (Pair)

Note: Specifications are subject to change without notice. Mass and dimensions are approximate.

① 4Kx2K requires 10G SFP Transceiver fiber module.

PANEL DESCRIPTIONS

Transmitter Panel



① HDMI In/Out indicator ② LINK TX/RX indicator
③ Power indicator ④ EDID Reset
⑤ Power input ⑥ RS232 input
⑦ Upgrade USB port ⑧ HDMI input
⑨ Fiber output ⑩ Grounding

EDID Introduction

1. Automatic EDID

The Automatic EDID function allows automatic copying the EDID from HDMI Display to HDMI source.

2. EDID Reset

Step1: Press EDID Reset button for 5 seconds, using the end of a paper clip or other pointed object.

Step2: The indicator of power and status will go out and turn bright again, you have successfully reset the EDID to default status.

Step3: Connect Extender with 4K display.

The default EDID is 1080P,audio 2 channel PCM.

CUSTOMER CARE CENTRE

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12 MONTH WARRANTY

1. **This product is warranted for 12 months from the date of purchase.**
Subject to the conditions of this warranty, the Customer Care Centre will perform necessary service on the product without charge for parts, or labour if, in the opinion of the manufacturer/ manufacturer's agent, the product is found to be faulty within the warranty period.

2. This warranty only applies if the product has been installed and used in accordance with the manufacturer's recommendations (as noted in the operating instructions) under normal use and reasonable care. The warranty covers normal domestic use only and does not cover damage, malfunction or failure resulting from use of incorrect voltage, accident, misuse, neglect, build-up of dirt or dust, abuse, mis-adjustment of customer controls, mains supply problems, thunderstorm activity, infestation by insects or vermin, tampering or repair by unauthorised persons (including unauthorised alterations), exposure to abnormally corrosive conditions or any foreign object or matter having entered the product.

3. If warranty service is required you should:
   - Telephone the Customer Care Centre on 1300 662 946
   - Provide a copy of your purchase receipt that shows retailer's identity and date of purchase.
   - Send or bring the product to your Customer Care Centre. Please note that freight to and/or from your Customer Care Centre must be arranged by you.

4. The warranties hereby conferred do not extend to any costs associated with the delivery, handling, freighting or transportation of the product or any part thereof or replacement of and do not extend to any damage or loss occurring during, or associated with transit.

THIS WARRANTY CARD AND THE PURCHASE DOCKET
(OR SIMILAR PROOF OF PURCHASE)
SHOULD BE RETAINED BY THE CUSTOMER AT ALL TIMES

TROUBLE SHOOTING HELP LINE
(03) 9321 8300

Customer Care Centre
562 Spencer Street, West Melbourne
VICTORIA 3003

Pro.2 Providing AV Solutions

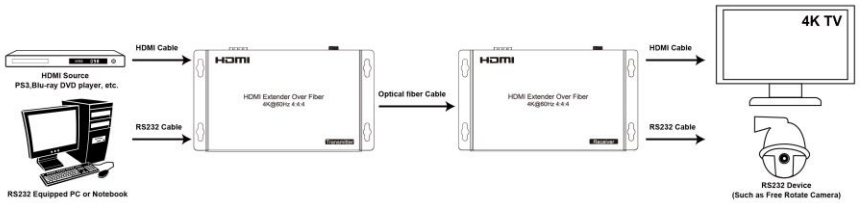
This advice does not limit, override or later your guaranteed rights under the Australian Consumer Law, including remedies for any failure of the Consumer Guarantees, which may include repair or replacement or it a Major Failure (as defined under the Australian Consumer Law) a replacement or refund. These guaranteed rights cannot be varied by Pro.2 or retailers of its products and have no set time limit.

Connecting and Operating

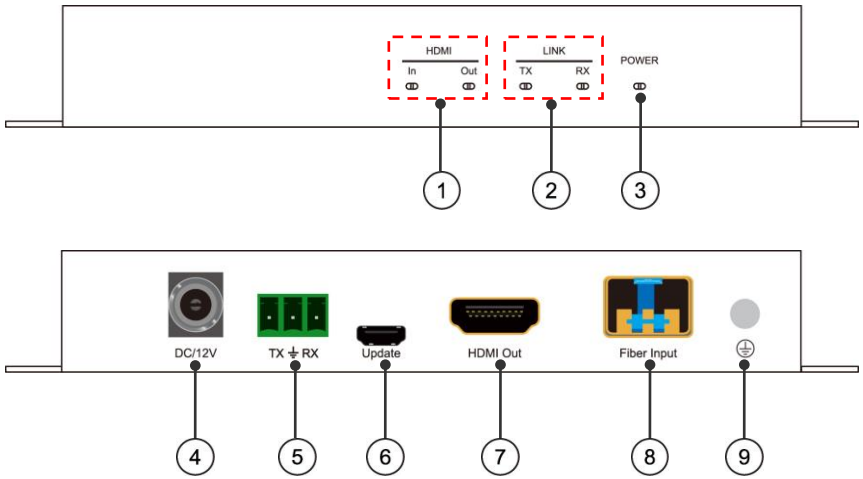
1. Assemble modules with single/multi mode, single/duplex fiber to the HDMI Extender.(4Kx2K requires 10G module)
2. Connect the HDMI input source to input port of the Transmitter of the Fiber Extender by HDMI cable. (Max. 3M for 4K@60Hz, YUV 4:4:4, 8bit-HDR).
3. Connect the duplex fiber optic or Bi-directional single fiber cable to HDMI transmitter and receiver to read the EDID from HDMI Display (Optional).
4. Connect LC-LC single/multi mode single/duplex fiber optic cable between the Fiber port of transmitter and Fiber port of receiver.
5. Connect HDMI display to the HDMI Receiver.
6. Connect RS232 cable with the computer on the Transmitter side.
   Connect RS232cable with the RS232 device on the Receiver side.
7. Connect the included 12V DC power supplies to the locking power receptacle.
8. Power up the HDMI Extender, sources and displays.

Attention: Insert/Extract cable gently

Typical Application



Receiver Panel



① HDMI In/Out indicator ② LINK TX/RX indicator
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⑤ RS232 output ⑥ Upgrade USB port
⑦ HDMI output ⑧ Fiber input
⑨ Grounding

RS232 Pass through function

1. Support Bi-directional transmission by RS232 pass through.
2. The RS232 sender and receiver can be connected with computer or other RS232 device.
3. Default Baud rate: 115200.
4. Band Rate Range.

Baud rate	Support or not	Baud rate	Support or not
115200	√	14400	√
57600	√	9600	√
38400	√	4800	√
19200	√	2400	√

Support set the baud rate manually.
Setting step: open the serial port interface on the PC (Device Manager), then you can set the baud rate.

Micro USB Upgrade Firmware

Operation Step

1. Copy the upgrade files in the PC from the CD.
2. Powered on the Extender.
3. Connect the Extender with the PC via the Micro USB cable via Micro USB Interface.
4. Open the “Device Manager” on the PC, click the “Com”.

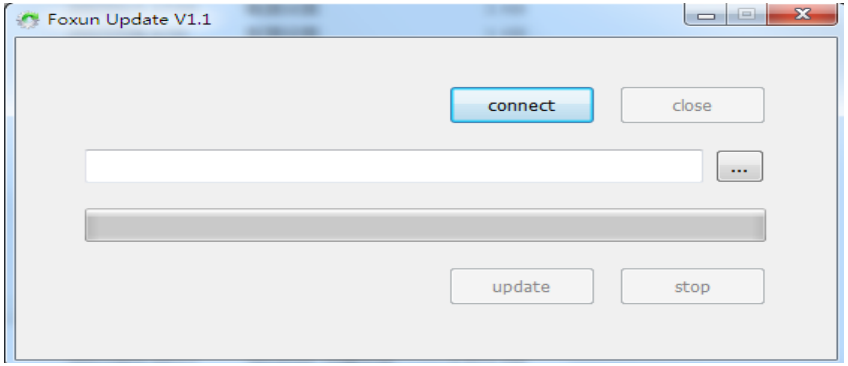
We’ll see

Insert port number (P1)

5. Run the upgrade software, as shown in the figure:

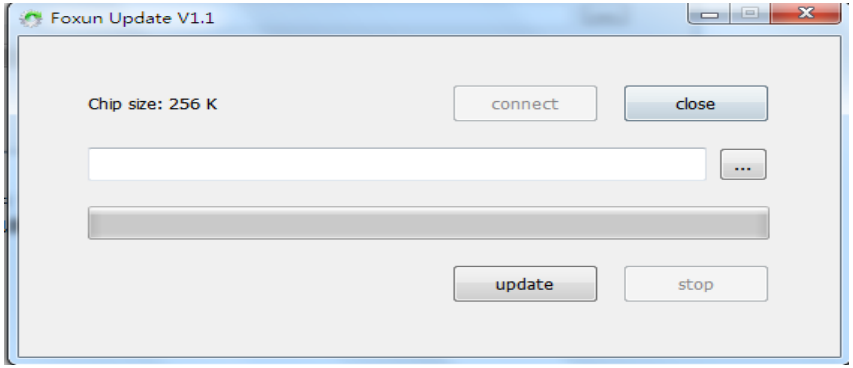
Upgrade software icon（P2）

6. Double-click the program upgrade icon and enter the following interface.



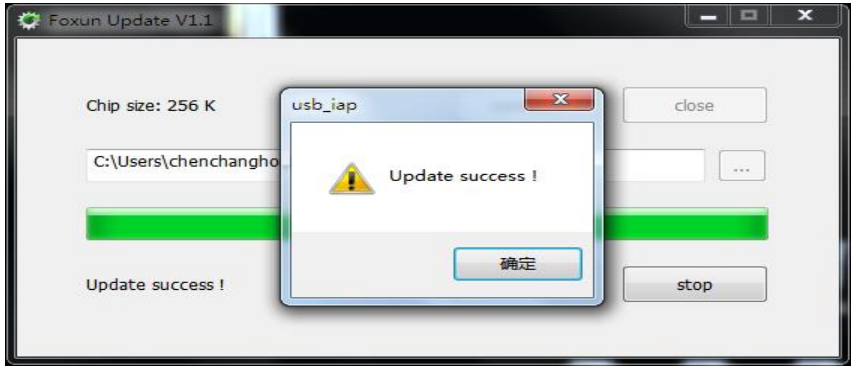
Program upgrade main interface（P3）

7. Click “connect” powered off the host Then restart it, the chipset’s specification will show.



Program upgrade main interface（P4）

8. Click  select the upgrade file to upload.
9. Click “Update”,Then System upgrade.
10. When appear “Update success” dialog box， Program upgrade done.



Note: If the connection is upgraded to half current, the upgrade progress bar will stop. At this time, the device should be powered off and restarted before USB upgrade.