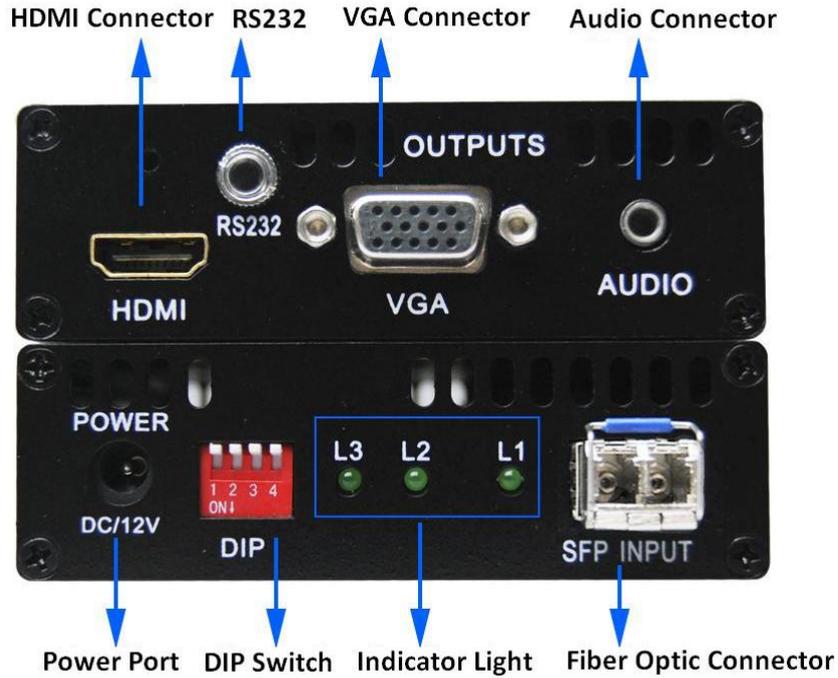


Fiber Optic Extender User Manual

Model: HD-F01-RX

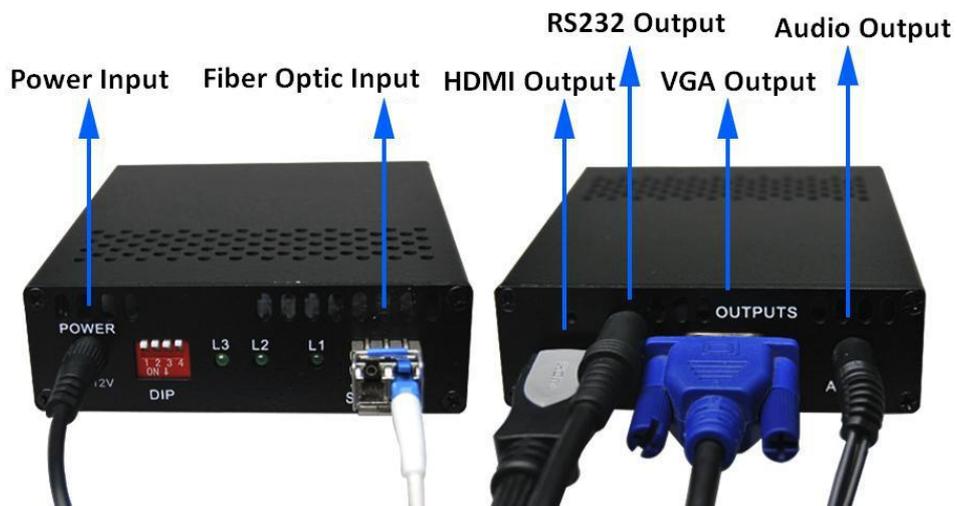
1. I/O Connectors

Figure 1 HD-F01-RX Fiber Optic Receiver I/O Connectors



2. Connection introduction

Figure 2 HD-F01-RX Fiber Optic Receiver Connection



Note:

- Please connect one single-mode optical fiber to the right port in the fiber optic connector.
- The HD-F01-RX support VGA, HDMI and audio signal output synchronously.

3. DIP Switch

Dial up is “OFF”, the corresponding number is “1”; dial down is “ON”, the corresponding number is “0”. The DIP switch operation instruction as shown in Table 1.

Table 1 DIP switch operation instruction

DIP	Item	Description
Dial switch 1, switch2 and switch 3 synchronously	Function	To set output resolution.
	Applying Condition	Before applying power to the HD-F01-RX or during the service of the item.
	Operation	The dialing combination of the DIP switch and the corresponding resolutions as shown in table 2.
Dial switch 4	Function	No Function. Both up and down is permitted.
	Applying Condition	—
	Operation	—

Note:

- Default resolution can be configured via serial port.
- VGA, HDMI, and 3.5mm line audio can be used independently.

4. Resolution Setting

The specific resolution setting as shown in table 2.

Table 2 DIP switch setting and the corresponding resolution

Default Resolution	Dial Switch 3	Dial Switch 2	Dial Switch 1	Corresponding Binary Code
1920×1080	ON	ON	ON	000
1024×768	ON	ON	OFF	001
1280×720	ON	OFF	ON	010
1280×800	ON	OFF	OFF	011
1920×1200	OFF	ON	ON	100
1366×768	OFF	ON	OFF	101
1600×1200	OFF	OFF	ON	110
FREE RUN	OFF	OFF	OFF	111

5. Indicator Light

Table 3 Indicator light and signal state

Light State	L1 on	L2 on	L3 flash
Description	HDMI Input	VGA Input	The HD-F01-RX works normally

6. Supported Resolution

The supported resolution of HDMI/VGA transmission mode is shown in table 4 and table 5 respectively.

Table 4 HDMI output supported resolutions

HDMI Output Mode		
800×600@60Hz	1024×768@60Hz	1280×720@60Hz
1280×768@60Hz	1280×800@60Hz	1280×960@60Hz
1280×1024@60Hz	1360×768@60Hz	1366×768@60Hz
1400×1050@60Hz	1440×900@60Hz	1600×900@60Hz
1600×1200@60Hz	1680×1050@60Hz	1920×1080@60Hz
1920×1200@60Hz	—	—

Table 5 VGA output supported resolutions

VGA Output Mode		
800×600@60Hz	1024×768@60Hz	1280×720@60Hz
1280×768@60Hz	1280×800@60Hz	1280×960@60Hz
1280×1024@60Hz	1360×768@60Hz	1366×768@60Hz
1440×900@60Hz	1400×1050@60Hz	1600×900@60Hz
1600×1200@60Hz	1680×1050@60Hz	1920×1080@60Hz
1920×1200@60Hz	—	—

7. Audio Output

Audio output is available in two modes as below:

- Analog audio output through 3.5 mm ear jack.
- HDMI audio output (transmits HDMI video and audio synchronously).

8. Applying Power

- First, please make sure that all the connection is fine.
- Second, make all the configuration completed according to your specific needs.
- Third, applying stable **12V/2A** power to both the transmitter and the receiver.

9. Parameter Setting

The HD-F01-RX is available in resolution setting through the configuration tool. The setting

steps are as follows:

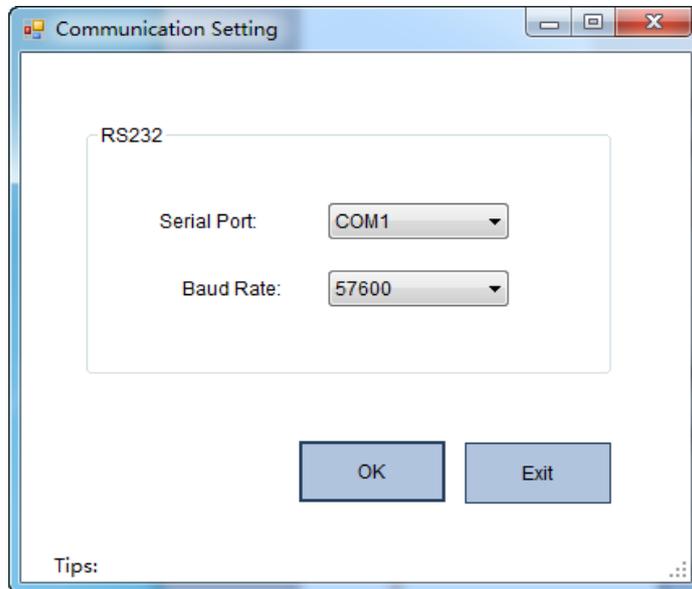
Step 1: Connect the HD-F01-RX to the control computer by using the serial cable that comes with the item.

Step 2: Put the CD into the control computer and decompress the configuration tool folder that burned in the CD and install the tool. (You can also ask the technical specialist for the configuration tool folder.)



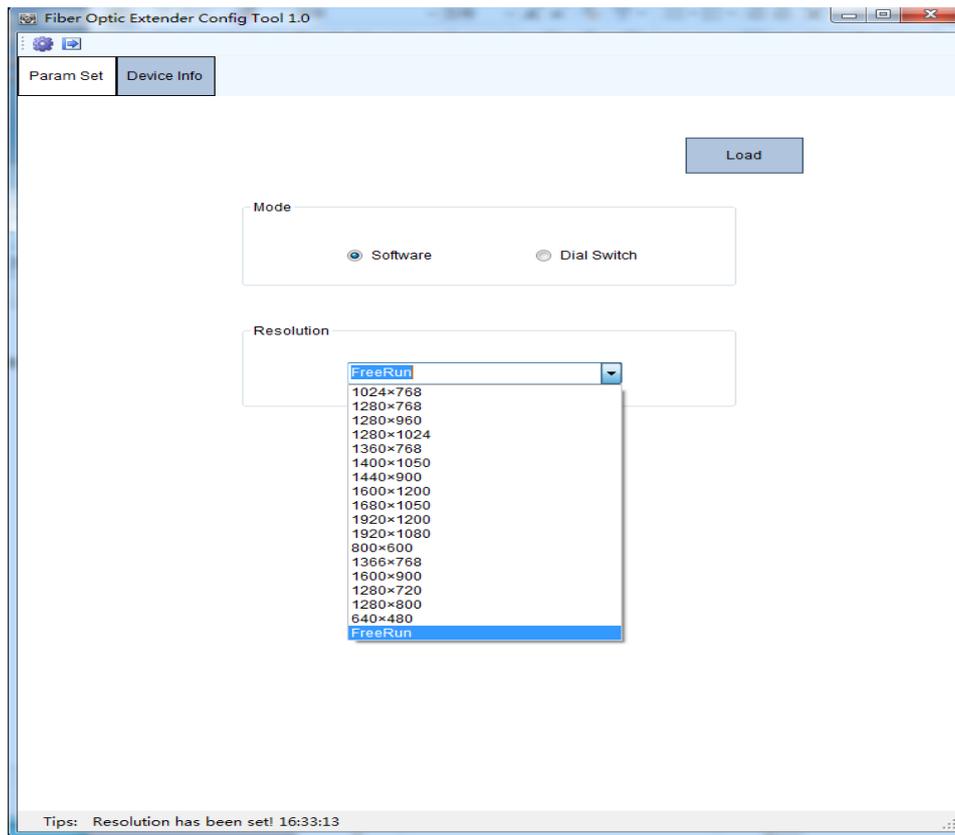
Step 3: Double-click the configuration tool will enter into the **Communication Setting** interface. Select the serial port and baud rate as shown in figure 3. After that, click the **OK** button.

Figure 3 Communication setting interface



Step 4: The resolution setting main interface will show up after click the **OK** button in step 3. Select **Software** as the control mode and then choose the resolution according to your specific needs. The setting will come into effect immediately. Details as shown in figure 4.

Figure 4 Resolution setting interface



Note:

- If you would like to check the current status of the item, please click the **Load** button.
- If the control mode is **Dial Switch**, the resolution of the item can be configured by DIP switch directly.
- Important OSD information can be saved to the local computer through the configuration tool.