# HDMI Extender via Single Multimode Fiber with LC Simplex Connector

Extends HDMI Link up to 200 Meters

## DESCRIPTION

Our optical extender provides a high quality and uncompressed HDMI data link between PC and monitor. With the optical fiber technology, it enables HDMI transmission up to 200 meters in single multimode fiber, where radio frequency interference phenomenon is literally ruled out, which shows the advantage of high performance and good signal quality as well as low cost.

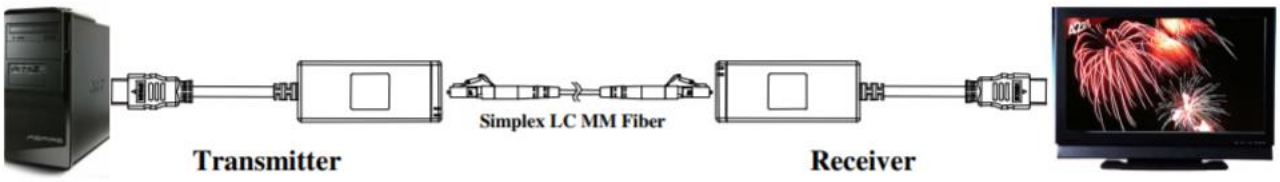
## FEATURES

- Extend digital HDTV data with HDCP up to 200 meters (660 feet).
- No RF interference by optical fiber
- Class 1 laser product complies with EN 60825-1
- CE/FCC certifications for EMI/RFI

## APPLICATIONS

- Remote surveillance for traffic, industrial and military control
- Far-end LCD monitor, projector, and plasma display connection
- Large video wall system
- Multi-monitors for advertising

## APPLICATION NOTE




## ORDERING INFORMATION

| PART NUMBER | DESCRIPTION | PLUG FOR AC ADAPTER |
|---|---|---|
| **HDMI-TXRX-1LC-200** | Transmitter + Receiver | US Plug |
| **HDMI-TXRX-1LC-201** | Transmitter + Receiver | EU Plug |
| **HDMI-TXRX-1LC-202** | Transmitter + Receiver | BS Plug |
| **HDMI-TXRX-1LC-203** | Transmitter + Receiver | AU Plug |

** This product does not include optical fibers.

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## SPECIFICATION

| PARAMETER | SPECIFICATION | NOTE |
|---|---|---|
| **Max transmission distance** | 200 meters | 50/125 um multimode fiber |
| **Max resolution** | 1920 x 1080 | 1080p |
| **EDID support** | Yes | |
| **HDCP compliant** | Yes | |
| **Operating voltage** | DC 5V | |
| **Supply current** | 311mA<br>260mA | TX module<br>RX module |
| **Optical connector** | 1 LC connector | |
| **Recommended fiber** | 50/125 um multimode fiber | Use of 62.5/125 um multimode fiber may impact maximum transmission distance. |
| **Operating temperature** | 0°C to 50°C | |
| **Storage temperature** | -20°C to 85°C | |
| **Dimensions** | TX unit: 210 x 34 x 15<br>RX unit: 210 x 34 x 15 | L x W x H (mm) |
| **Weight** | TX unit: 97.5 g<br>RX unit: 97.5 g | |

## REQUIREMENTS

- HDMI Source (PC/NB/MAC/DVD)
- HDMI Sink (HDMI monitor or projector)
- 100-240VAC 50-60Hz 0.2A electricity

## ADAPTER SPECIFICATION

| PARAMETER | SPECIFICATION | NOTE |
|---|---|---|
| **Input** | 100-240VAC, 50-60Hz | US/EU/BS/AU plug is optional. |
| **Output** | DC 5V, 2A | 2.0A |
| **DC Jack** | Inside 5V / Outside ground | |


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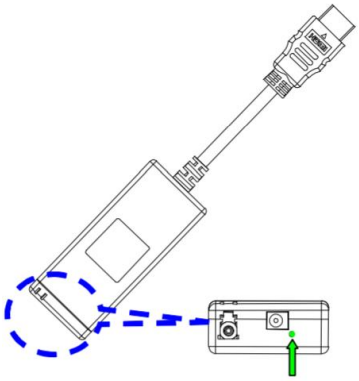
## INSTALLATION

**Step 1:** Unpack the box and check the contents. You should have the following items:

- TX module × 1
- RX module × 1
- AC-to-DC Adaptor × 2

**Step 2:** Apply 5V power adaptor to TX module. Ensure the green LED beside the power jack is turned on. (See figure 1).

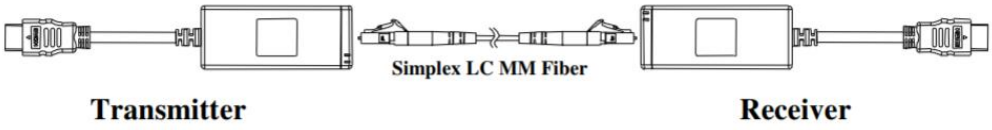
**Figure 1 – LED specified by arrow will be turned on in transmitter**



**Step 3:** Apply 5V power adaptor to RX module. Ensure the green LED beside the power jack is turned on same as Step 2.

**Step 4:** Connect TX module and RX module through optical fiber cable. (See Figure 2)

**Figure 2**




**Note:** The maximum transmitting distance in multimode fiber is 200 meters.

**Step 5:** Plug TX module to the HDMI source such as DVD or PC.

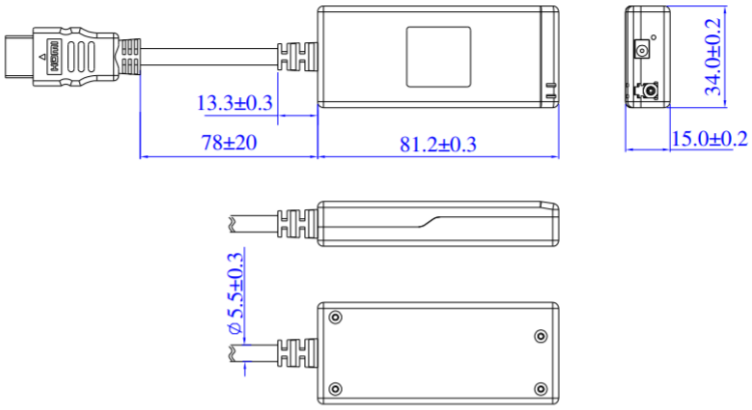
**Step 6:** Plug RX module to the display.

**Note:** Any additional intermediated cable using between transmitter and HDMI source might bring undesirable performance degradation.

**Step 7:** Turn on the display then you will see the video pictures.

**DIMENSIONS (unit: mm)**

All dimensions are all in ±0.3mm tolerance if not specified.




**SAFETY REGULATION**

CE and FCC approved.

**Note:** The specifications subject to change without notice.

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