



HDMI Extender via Single Multimode Fiber LC Simplex Connector Extends HDMI Link Up To 200 Meters



Description

APAC CHAH-UD-200-1LC optical extender provides a high quality and uncompressed HDMI data link between PC and monitor. Go through 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

Application

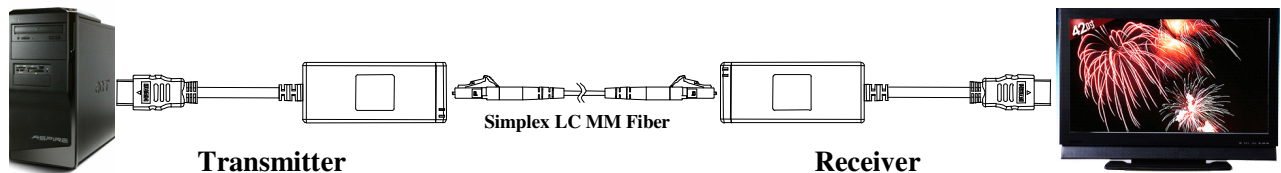
- Remote surveillance for traffic, industrial and military control
- Far-end LCD monitor, projector and plasma display connection
- Large video wall system
- Multi-monitors for advertising

Ordering information

Part Number	Description	Note
CHAH-UD-200-1LC- <u>XX</u>	Transmitter + Receiver	
	<u>XX</u>	00: US Plug for AC adaptor 01: EU Plug for AC adaptor 02: BS Plug for AC adaptor 03: AU Plug for AC adaptor

* This product does not include optical fibers

Application Note





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Specification

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



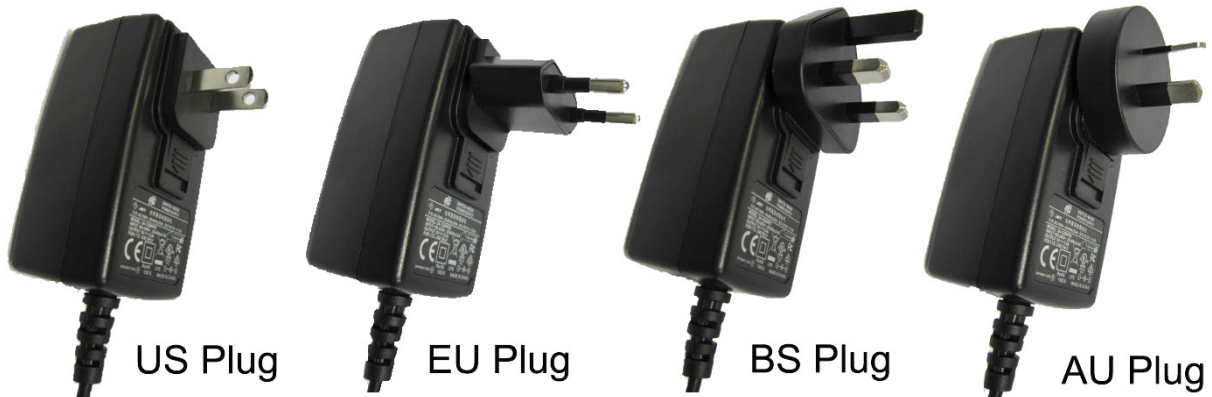
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Requirements

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

Adaptor Specification

PARAMETER	SPECIFICATION	NOTE
Input	100~240 VAC, 50~60 Hz	US/EU/BS/AU Plug is optional
Output	DC 5V, 2A	
DC Jack	Inside 5V / Outside ground	



Installation

Please follow up the installation procedure below. If the sequence is not correctly, it might bring an improper or undesirable result.

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).

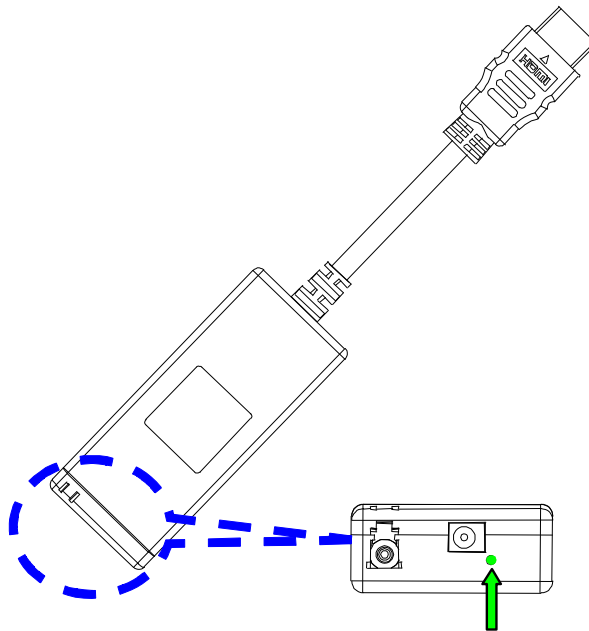


Figure 1 The LED specified by arrow will be turned on in transmitter

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)

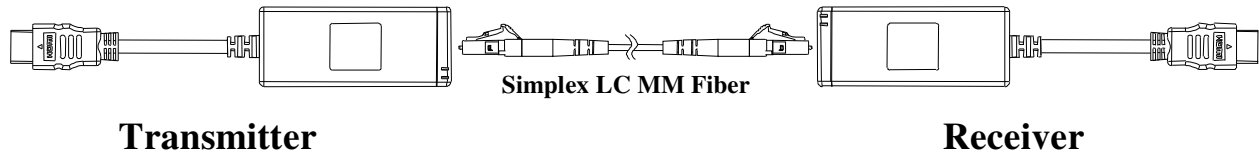


Figure 2

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.

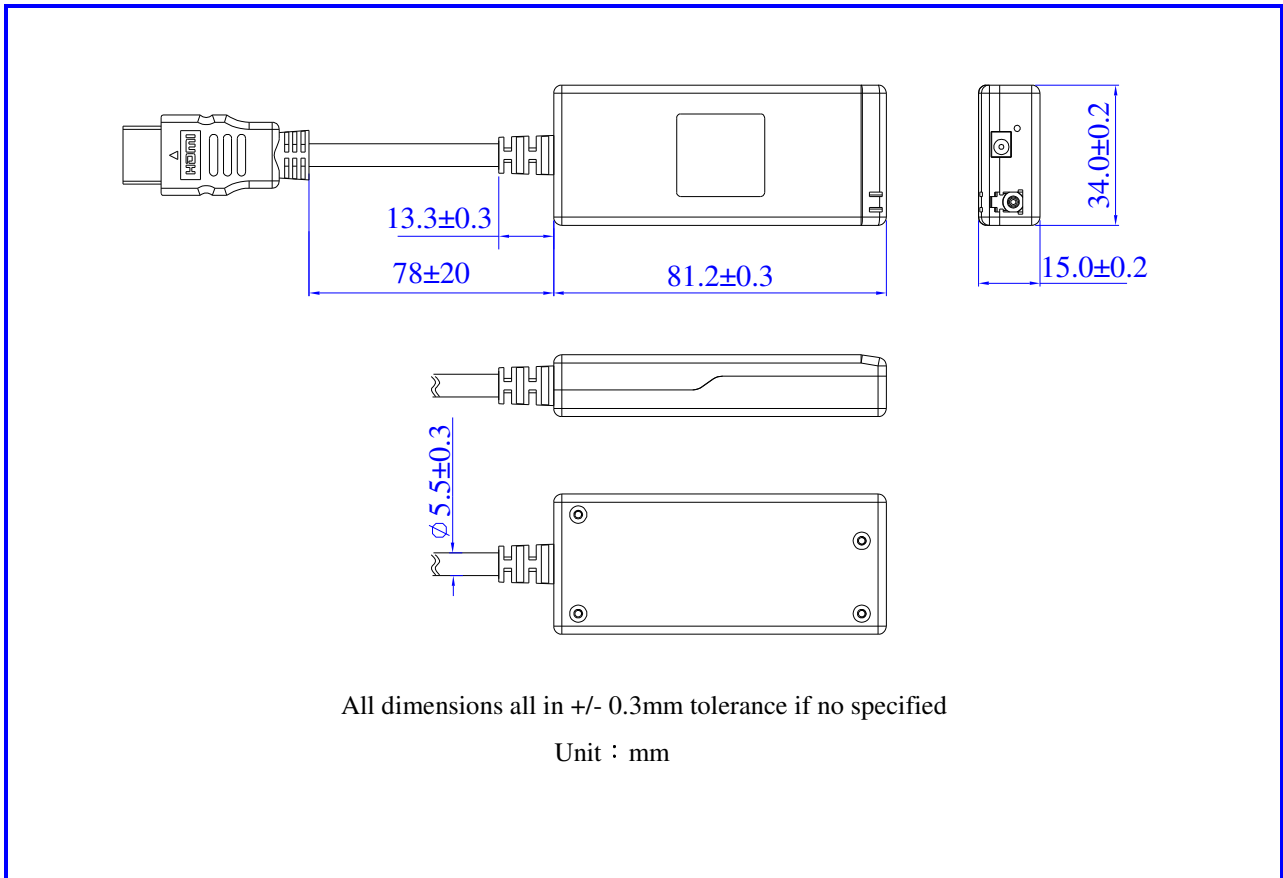
Step 7

Turn on the display then you will see the video pictures.



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Dimensions



Safety Regulation

CE and FCC approved.

