



Always carry at least one of these products with you to the job site

HDMI systems can be very difficult to troubleshoot. PureLink has three unique products, the HDMI Extender (in this manual, LU-EHD-111), the HDMI Communicator (LU-CHD-110) and the HDMI Audio Extractor (LU-AHD-111) to eliminate the most common HDMI problems. To save your and your clients' valuable time, we recommend you to carry at least one each of our PureLink troubleshooting tools with you all the time. So when you encounter a problem, you can just apply one of them to fix the problem right away.

Troubleshoot first – apply the right product for the problem

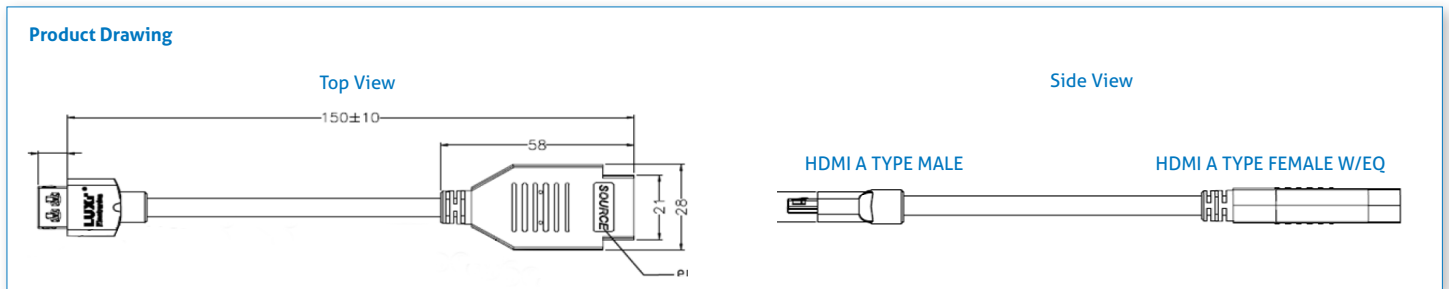
First plan and install the HDMI system without including the troubleshooting tools. If you experience any problems, follow these steps to determine them and apply the right solution:

- 1 First bring the source device next to the display and connect the two directly with a short HDMI cable.
- 2 Lower the source device output data rate (primarily the resolution) by one step (e.g., from 1080p to 1080i/720p, or from 1080i/720p to 480p) then reconnect the source device back to its original.
- 3 If you now are able to receive picture and sound, the problem you had was most likely bandwidth or cable length related; most likely one of the HDMI cables was too long. Unplug the connector of that cable from the TV (sink) and plug it into the LU-EHD-11 HDMI Extender in between that cable and the TV (sink) input. You should have picture and sound now. If the problem is still existent, contact your distributor directly.
- 4 If you still do not have picture or sound after step 2, the problem is most likely the communication (also known as DDC, HDCP, handshaking) between the units. Unplug the cable from your TV (or receiver); plug in the LU-EHD-111 HDMI Communicator in between that cable and the TV (or receiver) input. You should have picture and sound now. If the problem is still existent, contact your distributor directly.

Mechanical	
Overall male plug width	18.5 mm
Overall male plug height	9 mm
Overall male plug length	15 mm
Overall female enclosure width	28 mm
Overall female enclosure height	11 mm
Overall female enclosure length	58 mm
Overall product length	150 mm
Retaining force (both male/female)	6.5 kg typical
Contact pin gold plating	0.76 µm
Top metal shell gold plating	0.05 µm
Contact pin pitch	1.00 mm

General	
Connector type	Input: HDMI Type A female Output: HDMI Type A male
Signal processing	Equalization, no re-clocking
Where to apply the product	TV (sink) end
Power supply	Not needed; draws power from source
Warranty	3 years replacement

For local support, please contact your reseller directly.



Features

- Virtually doubles the max. usable cable length
- Installers can put it into their tool box and add it to the TV end when needed to fix unexpected problems instantly
- Works perfectly with all passive HDMI cables, regardless of brand or manufacturer
- Convenient inline design, no mounting needed
- Patented T-grip locking HDMI connector design on both male input and female output to ensure secure connector mating
- PureLink's SuperSlim HDMI plugs and cables (ProSpeed series) ensure a space-saving installation
- No external power supply needed
- HDMI 2.0 3D, HEAC, DeepColor etc. compliant
- HDCP 2.0 compliant
- RoHS compliant

Technical Specifications

Supported formats	3D, 1080p 60 Hz, Deep Color etc.
Max data rate	6.7 Gbps
Max cable length (depends on source and sink devices)	24 AWG cable: up to 50 m (165') (1080p) 28 AWG cable: up to 36 m (120') (1080p) 30 AWG cable: up to 30 m (100') (1080p)
EQ gain	0 to 40 dB at 5 Gbps (825 MHz signal frequency)
HDCP compliant	Yes; repeater pass thru
Power supply	From source +5 V via HDMI cable
Power consumption	10 to 165 mA

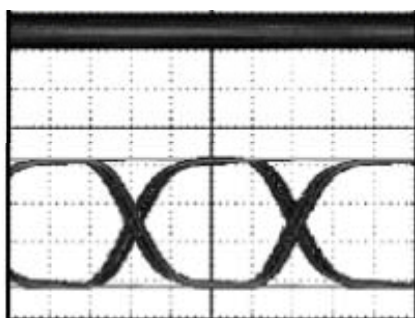
Packaging

BOX SIZE:
21 x 5 x 1.3 cm
BOX WEIGHT:
0.039kg
5-PC BOX SIZE:
23 x 20 x 2 cm
5-PC BOX WEIGHT:
0.2 kg
200-PC BOX SIZE:
41 x 30 x 30 cm
200-PC BOX WEIGHT:
8.8 kg

Package Content

- One piece in one white cardboard box
- Power supply not included

DATA RATE = 1.65Gbps
40dB CABLE SKIN-EFFECT LOSS AT 825 MHz



P350mV/div

152ps/div

