

EHD-111 HDMI Extender User Manual

Thank you for purchasing the Luxi Electronics EHD-111 HDMI Extender. Please read through this manual before using the product.



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

As you know, HDMI systems have potentially more problems than an analog system and can be very difficult to troubleshoot. Luxi Electronics has two unique products, the HDMI Extender (in this manual) and the HDMI Communicator, to address the two most common HDMI problems. To save your valuable time to and from the job site and look good in front of the customers, we recommend you to carry at least one each of the Luxi HDMI Extenders and Communicators in your tool box all the time so when you encounter most of the HDMI problems, you can just apply one of them to fix the problem on the spot.

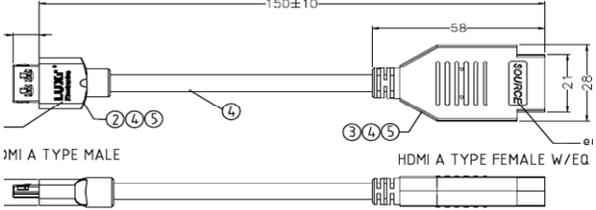
Troubleshoot first; apply the right product for the problem

First design and install the HDMI system without the Luxi HDMI Extender or Communicator. If the system works, great; if not, follow these steps to determine the problem and apply the right product:

- 1) First bring the source device next to the display and connect the two directly with a short (6') HDMI cable to verify if the display is compatible with the source.
- 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 place in the system.
- 3) If now you have picture or sound, then the problem you had was most likely bandwidth or cable length related problem; most likely one of the HDMI cables is too long. Unplug the connector of that cable to the TV (sink) end, plug in the Luxi HDMI Extender in between that cable and the TV (sink) input. You should have picture and sound now. If the problem still there, contact your distributor or Luxi Electronics.
- 4) If after step 2 you still do not have picture or sound, then the problem is most likely communication (also known as DDC, HDCP, handshaking) problem. Unplug the cable to your TV (or receiver); plug in the Luxi HDMI Communicator in between that cable and the TV (or receiver) input. You should have picture and sound now. If the problem still there, contact your distributor or Luxi Electronics.

Support

Please contact your reseller directly for local support; or to Luxi in the contact info above.

Product Specification HDMI Extender, F-M pigtail	Part Number: 74-035-01 Model: EHD-111
Product Image 	Product Drawing 
Features and Benefits <ul style="list-style-type: none"> > Virtually doubles the max usable cable length > Installers carry it in the briefcase and add it to the TV end when needed to fix unexpected problems instantly > Work with any brand passive HDMI cables > Convenient inline design, no mounting needed > Luxi's patented T-grip locking HDMI connector design on both male and female ends to ensure secure mating > Luxi's SuperSlim HDMI plug and cable fits the tightest space > No external power supply needed > HDMI 2.0 3D, HEAC, Deep Color etc. compliant > HDCP 2.0 compliant > RoHS compliant 	General <p>Connector type: Input: HDMI Type A female Output: HDMI Type A male</p> <p>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</p>
Package <p>1-pc zip bag: 8"x2"x1/2" (21x5x1.3 cm) 1.4 oz (39 g)</p> <p>5-pc bag: 9"x8"x1/2" (23x20x2 cm); 7 oz (200 g)</p> <p>200-pc box: 16"x12"x12" (41x30x30 cm); 19.5 lbs (8.8 kg)</p> 	Mechanical <p>Overall male plug width: 0.73" (18.5 mm) Overall male plug height: 0.35" (9 mm) Overall male plug length: 0.59" (15 mm) Overall female enclosure width: 1.10" (28 mm) Overall female enclosure height: 0.43" (11 mm) Overall female enclosure length: 2.28" (58 mm) Overall product length: 5.9" (150 mm) Retaining force (both male/female): 15 lbs (6.5 kg) typical Contact pin gold plating: 30 u" (0.76 um) Top metal shell gold plating: 2 u" (0.05 um) Contact pin pitch: 0.039" (1.00 mm)</p>
Other Related Products <p>HDMI DIY connectors and clamshells, 10 sets P/N 68-009-11 (regular); P/N 68-010-01 (ribbon)</p>  <p>Hand tool, P/N 68-011-01, model DIY-28T</p>  <p>HDMI raw cable spool in a box, available in 2 lengths Regular: P/N 22-001-02, 250'; P/N 22-001-03, 500' Ribbon: P/N 22-002-06, 250'; P/N 22-002-07, 500'</p> 	Electrical <p>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 Eye patterns at max cable length: Top: without Extender; bottom: with Extender</p> 