

# LINDY®

## CONNECTION PERFECTION

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### HDMI Cat5 Extender 30m

User Guide

*English*

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LINDY No. 38023

[www.lindy.com](http://www.lindy.com)





## **Introduction**

Thank you for purchasing the LINDY HDMI Cat5 Extender 30m. With simple plug and play installation and operation, this unit allows you to transmit high definition 1080p video and audio over inexpensive Cat5/5e/6 cables. For the highest resolutions, at distances of up to 30m, we recommend you use LINDY shielded Cat6 cables.

The extender uses two modules - one transmitter and one receiver. The transmitter connects to an HDMI source by means of a standard HDMI cable. The receiver connects to a display in the same way. Between the two modules, two low cost CAT5e/6 cables are used to transmit the video and audio signals.

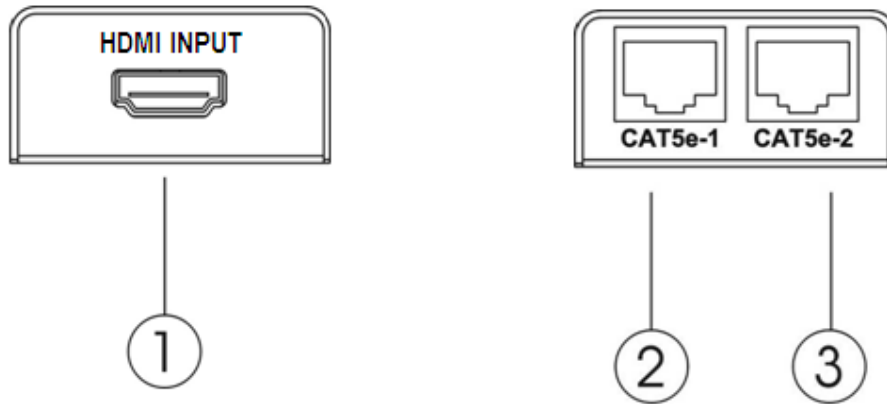
The extender is also compatible with a DVI-D source and display device. You will require suitable adapters or HDMI to DVI-D cables to make these connections. Please visit [www.lindy.com](http://www.lindy.com) for further details on our range of adapters and cables.

## **Features**

- Compact metal housing design
  - Supports HDMI 1.2a deep colour 12 bit
  - HDCP compliant with HDCP pass-through function
  - Transmits an HDMI signal up to 30m@1080p using 2 x Cat5e/5/6 cables
  - Video output interlaced: 480i, 576, 1080i 50/60Hz
  - Video output progressive: 480p, 576p, 720p, 1080p 50/60Hz
  - Video bandwidth; 1.6Gbps/165MHz
  - Supports 8bit per channel (24bit all channel) deep colour
  - Compatible with DVI-D when a suitable adapter or cable is used
  - Supports uncompressed audio (LPCM)
  - Supports DTS Digital, Dolby Digital, DTS-HD and Dolby True HD audio
  - Multi-Country power supply: 110~240V AC 50-60Hz / 5V DC 2A centre positive connection (with Euro, US, UK & Australian plugs)
  - Dimensions: 45 x 80 x 25mm (WxDxH)
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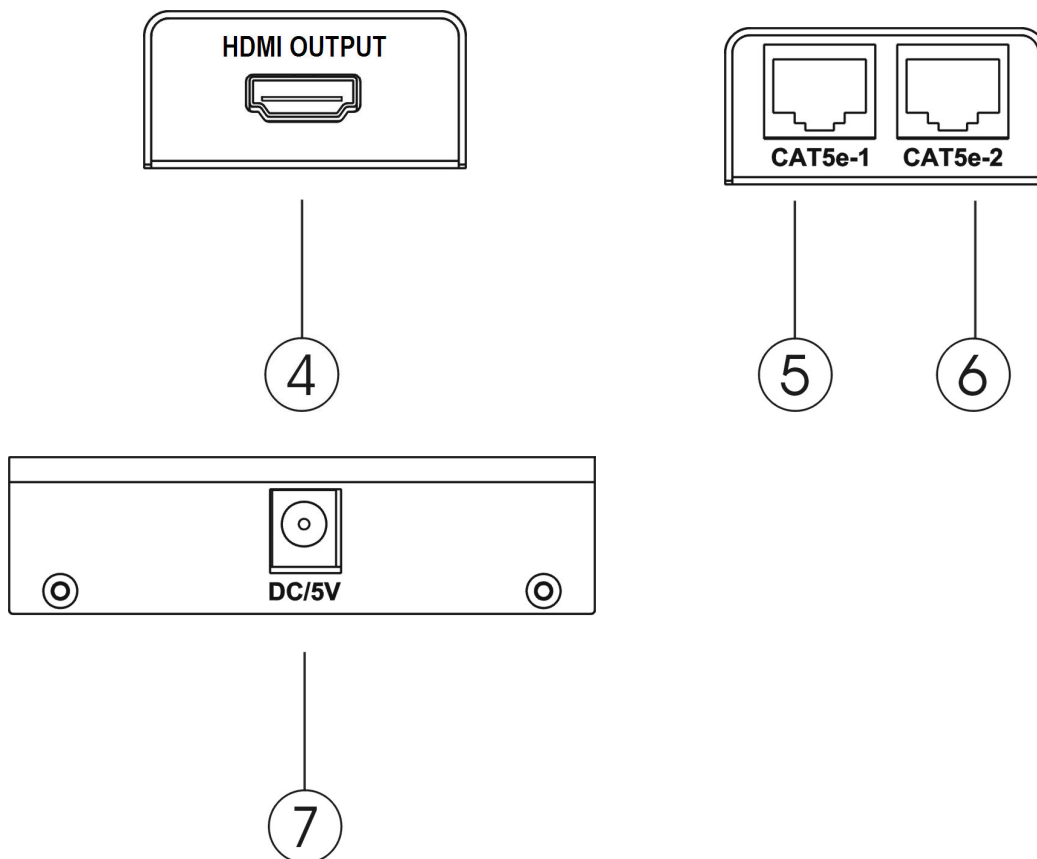
**Transmitter Unit**

1. HDMI input, connect your HDMI or DVI-D source to this port using a suitable cable
2. Cat5/5e/6 output connector (Cable 1) connect a suitable patch cable to this port
3. Cat5/5e/6 output connector (Cable 2) connect a suitable patch cable to this port



**Receiver Unit**

4. HDMI output, connect your HDMI or DVI-D display to this port using a suitable cable
5. Cat5/5e/6 input connector (Cable 1) connect a suitable patch cable to this port
6. Cat5/5e/6 input connector (Cable 2) connect a suitable patch cable to this port
7. DC Power jack, connect the supplied 5V DC 2Amp power supply to this socket



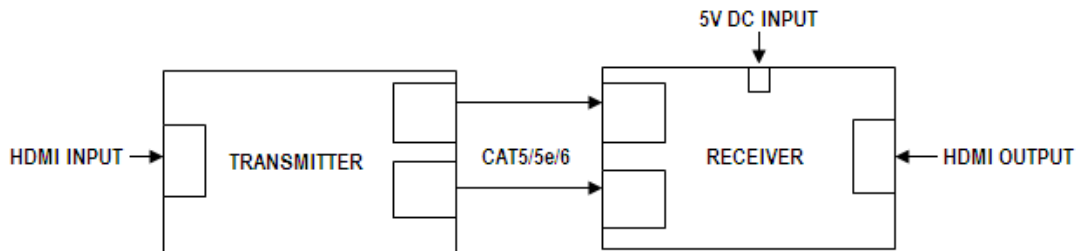
Supported HDTV Resolutions

INTERLACED	PROGRESSIVE	FRAME RATE
480i	480p	50/60Hz
576i	576p	50/60Hz
1080i	720p	50/60Hz
	1080p	50/60Hz

Installation

The LINDY HDMI Cat5 Extender 30m is a Plug and Play device. Simply attach an HDMI or HDMI to DVI-D cable to your source device and an HDMI to HDMI or HDMI to DVI-D cable to your display device. Connect two Cat5/5e/6 cables of the appropriate length to the transmitter and receiver units.

The diagram below shows how to connect the LINDY HDMI Cat5 Extender 30m



Use an HDMI to HDMI or HDMI to DVI-D cable to connect your source device



Use an HDMI to HDMI or HDMI to DVI-D cable to connect your display device



DVD/Set-Top Box



HDMI or DVI-D Display

**Notes on using DVI-D equipped devices:** To connect devices equipped with DVI-D connections, you can use either modular DVI/HDMI adapters or DVI/HDMI adapter cables. Be aware that DVI-D is a 'video only' interface; audio signals are not supported when using DVI-D source devices. Also, please note that DVI-D equipped displays must support HDCP signal decoding to display HDCP protected HDMI signals. HDCP compatible displays will normally feature the **HD Ready** logo.

**Power-Up Sequence**

Ensure all equipment is turned off before connecting the LINDY HDMI Cat5 Extender 30m. Once all cables are connected, apply power to the display device, and then apply power to the LINDY HDMI Cat5 Extender 30m and then your source device.

**Note:** In most circumstances the source device should be able to provide power to operate the extender. In the event that your source device is unable to provide sufficient power then please connect the supplied 5V DC 2Amp power supply to the receiver unit.

**Package Contents**

- 1 x HDMI Transmitter
- 1 x HDMI Receiver
- Multi-country switching power adapter: 100~240V AC 50-60Hz / +5VDC / 2Amp centre positive, includes Euro, US, UK & Australian adapters
- This user guide



## **CE/FCC/WEEE Statement**

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### **CE Certification**

This equipment complies with the requirements relating to Electromagnetic Compatibility Standards EN55022/EN55024 and the further Standards cited therein.

### **FCC Certification**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. You are cautioned that changes or modification not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.



### **WEEE (Waste of Electrical and Electronic Equipment), Recycling of Electronic Products**

#### **United Kingdom**

In 2006 the European Union introduced regulations (WEEE) for the collection and recycling of all waste electrical and electronic equipment. It is no longer permitted to simply throw away electrical and electronic equipment. Instead, these products must enter the recycling process.

Each individual EU member state has implemented the WEEE regulations into national law in slightly different ways. Please follow your national law when you want to dispose of any electrical or electronic products. More details can be obtained from your national WEEE recycling agency.

#### **Germany**

Die Europäische Union hat mit der WEEE Richtlinie umfassende Regelungen für die Verschrottung und das Recycling von Elektro- und Elektronikprodukten geschaffen. Diese wurden von der Bundesregierung im Elektro- und Elektronikgerätegesetz – ElektroG in deutsches Recht umgesetzt. Dieses Gesetz verbietet vom 24. März 2006 an das Entsorgen von entsprechenden, auch alten, Elektro- und Elektronikgeräten über die Hausmülltonne! Diese Geräte müssen den lokalen Sammelsystemen bzw. örtlichen Sammelstellen zugeführt werden! Dort werden sie kostenlos entgegen genommen. Die Kosten für den weiteren Recyclingprozess übernimmt die Gesamtheit der Gerätehersteller.

#### **France**

En 2006, l'union Européenne a introduit la nouvelle réglementation (DEEE) pour le recyclage de tout équipement électrique et électronique.

Chaque Etat membre de l' Union Européenne a mis en application la nouvelle réglementation DEEE de manières légèrement différentes. Veuillez suivre le décret d'application correspondant à l'élimination des déchets électriques ou électroniques de votre pays.

#### **Italy**

Nel 2006 l'unione europea ha introdotto regolamentazioni (WEEE) per la raccolta e il riciclo di apparecchi elettrici ed elettronici. Non è più consentito semplicemente gettare queste apparecchiature, devono essere riciclate. Ogni stato membro dell' EU ha tramutato le direttive WEEE in leggi statali in varie misure. Fare riferimento alle leggi del proprio Stato quando si dispone di un apparecchio elettrico o elettronico.

Per ulteriori dettagli fare riferimento alla direttiva WEEE sul riciclaggio del proprio Stato.



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