

LINDY®

CONNECTION PERFECTION

Fibre Optic DVI-D Cable

User Manual

English



LINDY No's 41300 to 41306



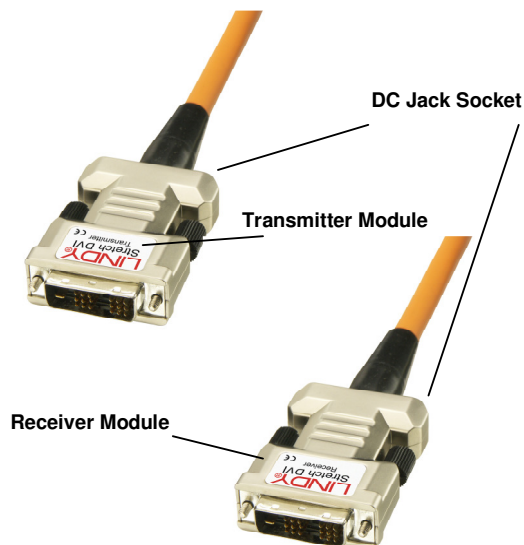
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Package Contents

- 1 x LINDY Fibre Optic DVI-D Cable
- This User Manual
- "Handling Fibre" data sheet
- 5VDC 2A PSU

Product Information

At each end of the cable is a module with an integrated single link DVI-D connector. The Transmitter and Receiver modules are each identified by a label:



Introduction

Thank you for purchasing this LINDY Fibre Optic DVI-D cable. This cable is an integrated solution for extending DVI digital signals over long distances. The fibre-optic technology used allows transmission distances that far exceed the maximum supported by standard copper-based cables.

The LINDY Fibre Optic DVI-D cable is a hybrid solution which features H-PCF (Hard-Polymer Clad Fibre) glass fibres for the digital display signals and copper wires for the DDC / HDCP control signals.

The Transmitter and Receiver modules are each equipped with standard DVI-D Male connectors for connecting to the source (PC with DVI graphics card etc.) and the display. The modules are connected together by the combined fibre optic and copper cable. This integrated design makes for true 'Plug & Play' operation.

System Requirements

Hardware Requirements

- You must have a Graphics card with a DVI-D port correctly installed. It should support the maximum resolution of the display to be connected.
- Compatible with PC, Sun and Mac computers.
- There are no special requirements for memory, CPU speed and chipsets.

Power Requirements (Using the DC adapter)

- You will require one external +5V DC power adapter to drive the Tx/Rx modules. You may connect the adapter to either the transmitter or receiver unit.

CAUTION: Under no circumstances must you use any other PSU other than the one supplied with this cable as serious damage will result.

Installation

IMPORTANT

Please use the installation procedure below. Improper operation may result if the installation procedure is not correctly followed.

Step 1

Carefully unpack the contents of the box.

Step 2

Plug the Transmitter module of the Fibre Optic Cable in to the DVI port on the source (i.e. PC). **DO NOT** use any cables or adapters between these connections.

Step 3

Plug the Receiver module into the DVI-D port on your display device and connect the supplied 5V DC PSU to the receiver or transmitter units DC jack socket.

Step 4

Power on the display and the source.

Note: You can hot swap the cable without powering down either the source or display.

Step 5

The system will now boot up as normal.

Troubleshooting

The display shows a black screen

- Ensure that both ends of the Fibre Optic Cable are firmly connected
- Check the source is powered on and in the case of a PC, booted up
- Reset the system by un-plugging and re-plugging the Transmitter and Receiver modules

The image is distorted or displays noise

- Check the graphics resolution is set correctly
- Ensure the resolution set is no higher than (WUXGA) 1920x1200 at 60Hz refresh rate
- Reset the system by un-plugging and re-plugging the Transmitter and Receiver modules

Maintenance

No special maintenance is required for the LINDY Fibre Optic DVI-D Cable. Ensure the cables are stored or used in a benign environment free from liquid or dirt contamination.

There are no user serviceable parts. Refer all service and repair issues to LINDY.

Warranty Information

LINDY Electronics warrants this Fibre Optic DVI-D Cable to be free from defects in workmanship and materials, under normal use and service, for a period of 2 years from the date of purchase.

Limitation and Exclusion

LINDY Electronics shall have no further obligation under the foregoing limited warranty if the product has been damaged due to abuse, misuse, neglect, accident, unusual physical or electrical stress, unauthorised modifications, tampering, alterations, or service other than by LINDY, causes other than from ordinary use or failure to properly use the product in the application for which it is intended.

Technical Support and Service

For technical help & general product support contact LINDY by email: technical@lindy.co.uk or visit our website at www.lindy.co.uk

Certifications



**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 allowable 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.

Product Specifications

- Complies with DVI standards: supports DVI 1.0 and DDC2B mode, fully implemented by fibre optic communication
- Extension limit: 100m (330 Feet) for WUXGA 1920x1200 at 60Hz refresh rate
- Graphic Transmission Bandwidth: support WUXGA at 60Hz, or 1.65 Gbps bandwidth per graphic channel
- Hybrid Fibre Optic Cable: Riser jacket of retardant PVC employing 4 strands
- Tensile Load: 1,800N
 - Minimum bend radius: 15.4cm
 - Cable outer diameter: 7.6mm
- Mechanical Specifications of modules
 - Dimensions: 39 x 53 x 15mm (WxDxH)
 - Clamping strength to cable: 14kg
- Environmental Specifications
 - Operating temperature: 0° to 50°
 - Storage temperature: -10° to 70°
 - Humidity: 10% to 85%

FCC Certifications

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their own expense.

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.

CE Certification

This equipment complies with the requirements relating to electromagnetic compatibility, EN 55024 and EN55022 class A for ITE, EN61000-3 the essential protection requirement of Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

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