

AtlonA

DVI OVER CAT5e EXTENDER

AT-DVI40SRS

User Manual



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INTRODUCTION

The AT-DVI40SRS extends your PC DVI transmission distance up to 60m/200ft with resolution 1024x768 @60Hz. With AT-DVI40SRS, users can transmit high quality digital video of PC applications through one cost effective CAT-5/5e to the remote monitor or projector, instead of using short and expensive DVI cables. With embedded EDID inside the adapter, your PC will continue to send the digital video even when the monitor is not connected. Users can then disconnect the monitor, place it in a remote location and reconnect it without rebooting the operating system. The AT-DVI40SRS includes two units: transmitting and receiving units. The transmitting unit connects to a PC DVI output. The receiving unit connects to a monitor. When successfully connected, the two LED lights on RJ-45 connector will blink. The transmission distance between the sending and receiving units can be up to 60m/200ft at XGA (1024x768) and 30m/100ft at UXGA (1600x1200). With its compact size, the AT-DVI40SRS is the most cost effective choice for bringing your impressive digital video to a remote display.

FEATURES

- DVI 1.1 compliant
- Handy DVI-D to RJ-45 Adaptor with programmable EDID feature
- Extends the transmission distance from the sources up to 60m/200ft at XGA (1024x768@60Hz) and 30m/100ft at UXGA (1600x1200@60Hz)
- Minimize the cable skew by adjustable 8-level equalization knob
- Supports 1080i/1080p HDTV resolutions & VESA standards
- Receiving unit can learn EDID information for DVI/HDMI enabled display device

PACKAGE CONTENTS

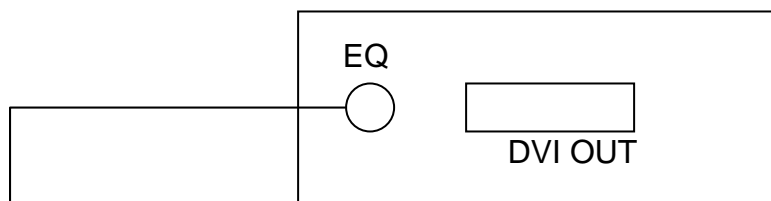
- 1x DVI CAT5e Mini-Transmitter
- 1x DVI CAT5e Receiver
- 1x 5V power adapter
- 1x User Manual

TECHNICAL SPECIFICATIONS

- Video Bandwidth : 1.65 Gbps (DVI 1.1)
- Input TMDS signal : 1.2 volts (peak-to-peak)
- Input DDC signal : 5 volts (peak-to-peak)
- DVI-D Connector (digital only)
- RJ-45 Connector : 2 indication LEDs
- Dimensions : 70mm x 60mm x 25mm / 2.8"x2.4"x1" (L x W x H)
- Weight : 119g / 4.2oz

PANEL DESCRIPTIONS

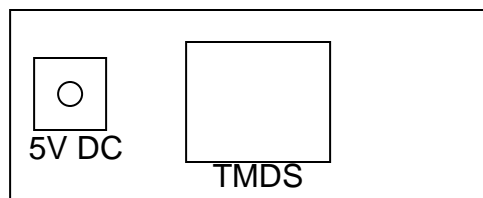
FRONT VIEW – RECEIVING UNIT



DVI Out : Connect a DVI display with a DVI M-M cable to this port.

Rotary switch : Adjust the equalization strength to the received TMDS signals. 0-7= strongest – weakest.

REAR VIEW – TRANSMITTING UNIT



TMDS : Plug in a CAT-5/5e/6 cable, linked to the TMDS connector of the Transmitter.

5V DV : Connect to 5V DC power supply.

HARDWARE INSTALLATION

1. Connect the mini-transmitter to your DVI source (PC).
2. Connect the receiver to the remote DVI equipped monitor.
3. Make sure your CAT-5/5e/6 cable is tightly connected and not loose.
4. Enjoy your high quality PC video on the screen.

NOTICE



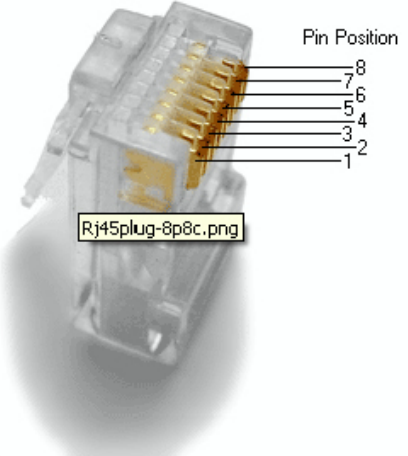














The AT-DVI40SRS DVI over CAT5e Extender has been tested for conformity to safety regulations and requirements in the US, and has been certified for international use. However, like all electronic equipment, the AT-DVI40SRS should be used with care. Please read and follow the safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Follow all instructions and warnings marked on the unit.
- Do not attempt to service the unit yourself, except where explained in this manual.
- Provide proper ventilation and air circulation. Do not use near water.
- Keep unit away from objects that might damage the device and assure that the placement of this unit is on a stable surface.
- Use only the manufacturer's power adapter and connection cables. They are designed for this unit.

1. If you need to modify EDID content in DVI Extender, you can use EDID Reader/Writer to update DVI EDID information.
2. To reduce the interference among the unshielded twisted pairs of wires in CAT-5/5e/6 cable, you can use shielded CAT-5/5e/6 cables to improve EMI problems, which is worsen in long transmissions.
3. Because the quality of the CAT-5/5e/6 cables has the major effects in how long transmission distance will be, as well as the quality of the video at the receiving display, the actual transmission length is subject to your CAT-5/5e/6 cables. For resolution greater than 1280x1024, a CAT-6 is recommended.

T568A and T568B Wiring

T568B RECOMMENDED FOR ALL SOLUTIONS

Pin	T568A Pair	T568B Pair	Wire	T568A Color	T568B Color	Pins on plug face (socket is reversed)
1	3	2	tip	 white/green stripe	 white/orange stripe	
2	3	2	ring	 green solid	 orange solid	
3	2	3	tip	 white/orange stripe	 white/green stripe	
4	1	1	ring	 blue solid	 blue solid	
5	1	1	tip	 white/blue stripe	 white/blue stripe	
6	2	3	ring	 orange solid	 green solid	
7	4	4	tip	 white/brown stripe	 white/brown stripe	
8	4	4	ring	 brown solid	 brown solid	

SAFETY INFORMATION

Safeguards

To reduce the risk of electric shock, do not expose this product to rain or moisture.

If the wall plug does not fit into your local power socket, hire an electrician to replace your obsolete socket.

Do not modify the wall plug. Doing so will void the warranty and safety features.

This equipment should be installed near the socket outlet and the device should be easily accessible in case it requires disconnection.

Precautions

FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

Operate this product using only the included external power supply. Use of other power supplies could impair performance, damage the product or cause fires.

In the event of an electrostatic discharge, this device may automatically turn off. If this occurs, unplug the device, and plug it back in.

Protect and route power cords so they will not be stepped on or pinched by anything placed on or against them. Be especially careful of plug-ins, or cord exit points from this product.

Avoid excessive humidity, sudden temperature changes or temperature extremes.

Keep this product away from wet locations such as bathtubs, sinks, laundries, wet basements and swimming pools.

Use only accessories recommended by ATLONA to avoid fire, shock or other hazards.

Unplug the product before cleaning. Use a damp cloth for cleaning. Do not use cleaning fluid or aerosols, which could enter the unit and cause damage, fire or electrical shock. Some substances may also mar the finish of the product.

Never open or remove unit panels or make any adjustments not described in this manual. Attempting to do so could expose you to dangerous electrical shock or other hazards. It may also cause damage to your AT-DVI40SRS. Opening the product will void

Do not attempt to service the unit. Instead disconnect it and contact your Authorized ATLONA reseller or contact ATLONA directly.

WARRANTY

LIMITED ONE-YEAR WARRANTY

ATLONA by Lenexpo Electronics warrants only to the initial purchaser of this product for a period of one year from the date of purchase from an Authorized ATLONA Reseller, the product will be free of electrical and mechanical defects that materially affect the products operation as described in this users manual. Within this period, ATLONA will, at it's sole option, repair or replace any components, which fail of normal use or refund the net original price.

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