

Passive DVI Extenders Over single Cat5/6/7 AT-DVI60SRS



User Manual

TABLE OF CONTENTS

1. Introduction	2
2. Features	2
3. Package Contents	2
4. Specifications	3
5. Connection and Operation	4
6. Performance Guide	4
7. Safety Information	5
8. Warranty	6
9. Atlona Product Registration	7

INTRODUCTION

The AT-DVI60SRS is a DVI Passive Extender kit that allows to extend high resolution DVI digital signals great distances. The DVI60SRS can transmit resolution such as 1920x1200 up to 160ft away or 1024x768 up to 180ft. With AT-DVI60SRS, users can send high quality digital video from DVI enabled PC/Laptop through single cost effective Cat5, Cat6 or Cat7 cable to the remote monitor or projector, instead of using short and expensive DVI cables.

The AT-DVI60SRS includes one transmitter and one receiver units. The transmitting unit is connected to your PC DVI output and the receiving unit is connected to the monitor or projector. The transmission distance between the transmitting and receiving units can be up to 50m (160ft) at resolutions up to 1920x1200 or 55m (180ft) at resolutions up to 1024x768. With compact size and requiring no power, AT-DVI60SRS is the most cost effective choice for bringing your impressive digital video to the remote display.

FEATURES

- DVI 1.1 compliant
- Extend the transmission length 50m (160ft) at resolutions up to 1920x1200 or 55m (180ft) at resolutions up to 1024x768
- Easy to install
- No power required
- Compact size
- Direct plug-in

The length depends on the characteristics and quality of the cables. Higher resolutions and longer transmission distances require low skew cables (<25ns/100m) for best performance. Unshielded CAT6 with metal RJ-45 connectors is recommended.

PACKAGE CONTENT

- 1 x AT-DVI60SRS
- 1 x User's manual



SPECIFICATIONS

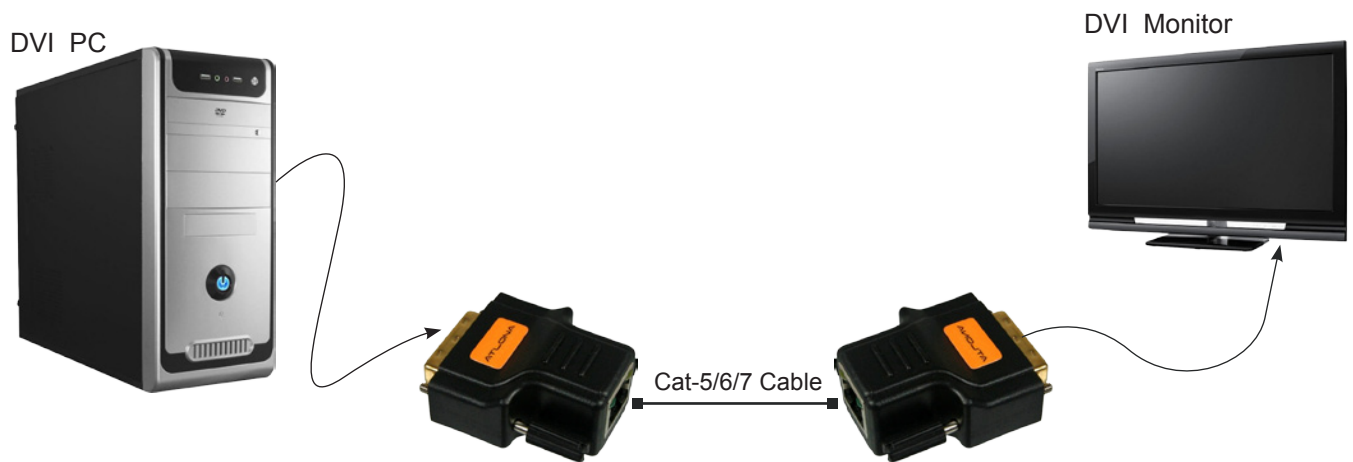
Technical		Transmitter [TX]	Receiver [RX]
Role of usage			
DVI compliance		DVI 1.1	
HDCP compliance		No	
Video bandwidth		Single-link 165MHz [4.95Gbps]	
Video support		Up to WUXGA [1920x1200@60Hz]	
DVI over CAT5e transmission		1920x1200@60Hz – 50m [160ft] 1024x768@60Hz – 55m [180ft]	
Audio support		No audio for DVI signal	
Equalization		None	
Input TMDS signal		1.2 Volts [peak-to-peak]	
Input DDC signal		5 Volts [peak-to-peak, TTL] from DVI output	
Input		1 x DVI	1x RJ-45
Output		1x RJ-45	1 x DVI
DVI connector		DVI-I [29-pin male digital only]	
RJ-45 connector		WE/SS 8P8C with 2 LED indicators	
Mechanical			
Housing		Plastic molding	
Dimensions [L x W x H]	Model	[TX/RX] 40 x 50 x 20mm [1.6" x 2" x 0.8"]	
	Package	115 x 170 x 40mm [4.5" x 6.7" x 1.6"]	
Weight	Model	[TX/RX] – 50g [1.8 oz]	
	Package	180g [6.3 oz]	
Fixedness		Direct plug-in	
Power supply		None	
Power consumption		0.5 Watt [max]	
Operation temperature		0~40°C [32~104°F]	
Storage temperature		-20~60°C [-4~140°F]	
Relative humidity		20~90% RH [no condensation]	

Resolutions Supported:

Resolutions	Distance Cat5/6	Resolutions	Distance Cat5/6
800 x 600	200ft	1440 x 900	160ft
1024 x 768	180ft	1600 x 900	160ft
1280 x 720	160ft	1600 x 1200	160ft
1280 x 800	160ft	1680 x 1050	160ft
1280 x 960	160ft	1920 x 1080	160ft
1280 x 1024	160ft	1920 x 1200	160ft

CONNECTION AND OPERATION

1. Connect one of the AT-DVI60SRS to your DVI source.
2. Connect the other AT-DVI60SRS to your DVI display.
3. Make sure the Cat5, Cat6 or Cat7 cable is tightly connected between the DVI source and the display with the AT-DVI60SRS.
4. The installation is done.



PERFORMANCE GUIDE

Performance rating		Type of category cable		
Wiring	Shielding	CAT5	CAT5e	CAT6
Solid	Unshielded (UTP)	***	****	*****
	Shielded (STP)	***	***	****
Stranded	Unshielded (UTP)	*	**	**
	Shielded (STP)	*	*	**
Termination		Please use EIA/TIA-568-B termination (T568B) at any time		

SAFETY INFORMATION

Safeguards



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



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



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



This equipment should be installed near the socket outlet and the device should be easily accessible in the 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, fish tanks, 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 and not cleaning fluid or aerosols.

Such products could enter the unit and cause damage, fire, or electric shock. Some substances may also mar the finish of the product.

Never open, 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-DVI60SRS. Opening the product will void the warranty.

Do not attempt to service the unit. Disconnect the product and contact your authorized Atlona reseller or contact Atlona directly.

WARRANTY

Limited Warranty

Atlona Technologies warrants that (a) its products (the AT-DVI60SRS) will perform substantially in accordance with the accompanying written materials for a period of 3 years from the date of receipt and (b) that the product will be free from defects in materials and workmanship under normal use and service for a period of 3 years. In the event applicable law imposes any implied warranties, the implied warranty period is limited to 3 years from the date of receipt. Some jurisdictions do not allow such limitations on duration of an implied warranty, so the above limitation may not apply to customers that fall within those areas.

Customer Remedies

Atlona Technologies' and its suppliers' entire liability and Customer's exclusive remedy shall be, at Atlona Technologies' decision, either return of the price paid for the product, repair, or replacement of the product that does not meet this Limited Warranty and which is returned to Atlona Technologies with a copy of the Customer's receipt. This Limited Warranty is void if failure of the product has resulted from accident, abuse, misapplication, or natural occurrence. In example but not limited to: power surges (electrical storms, local power outage), dropping the product (or items on the product), contact with fluids, and physical misconduct (i.e. kicking or punching). Any replacement product will be warranted for the remainder of the original warranty period.

No other warranties

To the maximum extent permitted by applicable law, Atlona Technologies and its suppliers disclaim all other warranties, either expressed or implied, including, but not limited to, implied warranties of merchantability and fitness for a particular purpose, with regard to the product and any related written materials. This Limited Warranty gives customer specific legal rights. Customers may have other rights depending on the jurisdiction.

No liability for damages

To the maximum extent permitted by applicable law, in no event shall Atlona Technologies or its suppliers be liable for any damages arising out of the use of or inability to use this product, even if Atlona Technologies has been advised of the possibility of such damages. Such damages include but are not limited to: special, incidental, consequential, or indirect damages for personal injury, loss of business profits, business interruption, loss of business information, or any other pecuniary loss.

Atlona Technologies' and its suppliers' entire liability under any provision of this agreement shall be limited to the amount actually paid by you for the product. Some Jurisdictions do not allow the exclusion or limitation of liability for consequential or incidental damage. The above limitations may not apply to you in such jurisdictional cases.

ATLONA PRODUCT REGISTRATION

Thank you for purchasing this Atlona product. - We hope you enjoy it and will take an extra few moments to register your new purchase.

Registration creates an ownership record if your product is lost or stolen and helps ensure you'll receive notification of performance issues and firmware updates.

At Atlona, we respect and protect your privacy, assuring you that your registration information is completely secure. Atlona product registration is completely voluntary and failure to register will not diminish your limited warranty rights.

To register go to: **<http://www.atlona.com/registration>**