

User Manual

1 by 4 Mini DisplayPort Splitter AT-MDP14



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INTRODUCTION

Atlona Technologies AT-MDP14 is a 1 input to 4 output Mini DisplayPort (MDP) splitter designed to allow any single Mini DisplayPort or DisplayPort source the ability to be displayed on four Mini DisplayPort or DisplayPort input monitors simultaneously.

This unit supports video resolution up to 2560 x 1600 and audio of PCM 7.1 & AC3. Audio will be bypassed through the unit's USB connection and the device's power is supported through USB as well. With four sets of EDID formats, the AT-MDP14 provides a fast reliable connection between source and displays. With these attributes, the 1 by 4 Mini DisplayPort splitter is the perfect device for applications involving a single computer source and multiple displays.

Note: This splitter is compatible with DisplayPort sources and Displays as well, the Mini DisplayPort to DisplayPort adapter will be required. Atlona has the adapters needed.

APPLICATIONS

- Multi-Mini DisplayPort monitor display
- Information sharing
- Advertising program

PACKAGE CONTENTS

- AT-MDP14 Splitter
- Operation Manual
- 1 x 5ft mini-DP cable (male to male)
- 1 x 5ft Y cable 2x USB type A to 1x USB type B

SYSTEM REQUIREMENTS

Mini DisplayPort or DisplayPort output source equipment with Mini DisplayPort input monitors.

FEATURES

- Supports resolution up to 2560 x 1600
- Supports audio up to PCM 7.1 & AC3 through by-pass USB connection
- Supports 4 x different EDID settings
- Power over USB.

SPECIFICATIONS

Sampling Rate	192kHz
Input port	1 x Mini DisplayPort , 1 x Mini USB
Output port	4 x Mini DisplayPort , 1 x USB (A Type)
ESD Protection	Human body model: $\pm 8\text{kV}$ (air-gap discharge) $\pm 4\text{kV}$ (contact discharge)
Dimensions (inch)	7.08(W) x 4.88(D) x 0.98(H)
Weight (LB)	2
Chassis Material	Aluminum
Silkscreen Color	Black
Operating Temperature	0°C~40°C / 32°F ~ 104°F
Storage Temperature	-20°C~60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)

PANEL DESCRIPTION

1. Front Panel



1. EDID switch: Four EDID setting
*Below is the mode definition chart.

Mode	Select		EDID Fuction
	1	2	
1	↑	↑	Copy from Display
2	↑	↓	VGA MODE
3	↓	↑	1920x1200 MODE
4	↓	↑	2560x1440 MODE

2. LINK LED: When the device detects the display and sends the signal out the Link LED will illuminate.
3. SYNC LED: When the device detects the source signal the SYNC LED will illuminate.
4. Power LED: The LED will illuminate in green when powered on and red when in standby mode.
5. Reset button: Press this button to reset your EDID after each EDID setting.

2. Rear Panel



1. USB OUT: Connect a USB A type cable to the display monitor or PC/notebook for audio & USB signal bypass. There is only 1 x USB by-pass, all the other displays USB connections should be connected directly to the computer.
2. USB IN: Connect a mini USB cable from your PC/notebook for USB signal sending.
3. MINI-DP OUT 1 & 2: Connect the MDP cable or MDP to DP cable to your MDP/DP input display for displaying a single source on two screens simultaneously.
4. MINI-DP IN: Connect the MDP cable or MDP to DP cable from the MDP/DP source for signal sending.



EDID SUPPORT FORMAT

Select MODE	VGA	1920x1200	2560x1440
Video Support			
640x480@60	V	V	V
800x600@60		V	V
1024x768@60		V	V
1920x1200@60		V	V
1280x960@60		V	V
1344x1008@60		V	V
1280x1024@60		V	V
1600x1200@60		V	V
2560x1440			V
720p			V
Audio Support			
PCM 2CH 48K			V
PCM 2CH 44.1K			V
PCM 2CH 32K			V

CONNECTION AND INSTALLATION



Mini DP to Mini DP Cable
Or DP to Mini DP Cable



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-MDP14. 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-MDP14) 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>

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