

DVI Distributor VD-1627

Instruction Manual

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ASTRODESIGN, Inc.



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INTRODUCTION

Thank you for purchasing the model VD-1627 DVI video signal distributor.

This manual contains details on the specifications, checkpoints, precautions to be observed and other such aspects when the VD-1627 is used. Since mistakes made in operating this distributor or improper handling may lead to trouble, please read through these instructions in order to ensure that you will operate the VD-1627 correctly.

After reading the manual, keep it in a safe place for future reference.

SAFETY PRECAUTIONS



WARNING

Concerning the power cord

- Always take hold of the molded part of the plug when disconnecting the power cord.
- Do not use force to bend the power cord or bunch it up for use. This may cause a fire.
- Do not place heavy objects on top of the power cord. This may damage the cord, causing a fire or electrical shock.

Concerning foreign matter

- Do not spill liquids inside the distributor or drop inflammable objects or metal parts into it. Operating the distributor under these conditions may cause a fire, electric shocks and/or malfunctioning.



CAUTION

Concerning the installation and operation locations

- Install the distributor in a stable location.
- The ventilation holes provided in the side panels of the distributor are designed to prevent the temperature inside the unit from rising. Under no circumstances must they be blocked since doing so may cause trouble.

Concerning impact

- This is a precision instrument and, as such, subjecting it to impact may cause malfunctioning. Take special care when moving the distributor.

Operating precautions prior to use

- Be absolutely sure to connect the frame ground (FG) of the VD-1627 to the frame ground of the input/output device which is to be connected to the distributor. This will help to reduce the kind of trouble caused by external surges, etc.
- Before disconnecting the distributor's cables, set the power switch on the VD-1627 to the OFF position. This will help to reduce the kind of trouble caused by external surges, etc.

If trouble or malfunctioning should occur

- In the unlikely event that trouble or malfunctioning has occurred, disconnect the power cord, and then contact your dealer or an Astrodesign sales representative.

CHAPTER 1 CONCERNING THE VD-1627

1-1 OVERVIEW

The VD-1627 video signal distributor supports AnalogPlug connectors which comply with the DVI standard. It distributes a total of five analog video signals and digital serial (panel link) video signals.

1-2 FEATURES

- The distributor supports connectors which comply with the DVI standard, and it distributes analog and digital serial video signals.
- A wide frequency range from DC to 200 MHz for the analog video signals and from 25 MHz to 162 MHz for the digital serial video signals is featured.
- Either 75-ohm termination or the high-impedance state can be selected for the input impedance of the analog sync signals using a panel switch.
- The distributor supports DDC-2B (OUTPUT1 connector only).

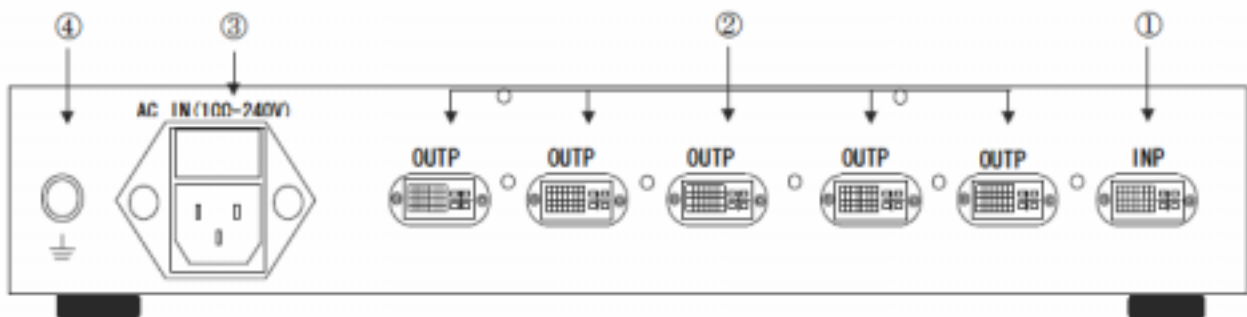
CHAPTER 2 PANEL PARTS AND THEIR FUNCTIONS

2-1 FRONT PANEL



① POWER switch	I: Power ON (LED on); 0: power OFF
② Sync signal input impedance selector switch	This is used to select the input impedance of the analog sync signals. HIGH: High-impedance state; 75 ohms: 75-ohm termination

2-2 REAR PANEL



① DVI input connecto	The video signals are input to this DVI connector.
② DVI output connectors	The video signals are output from these DVI connectors.
③ AC power socket and fuse	This distributor supports supply voltages ranging from AC 100 to AC 240V (50/60 Hz). The fuse is a 3.15A slow-blow, 250V type.
④ Frame ground (FG) terminal	This terminal is connected to the corresponding terminal on the input/output device which is to be connected to the distributor. This reduces the kind of trouble caused by external surges, etc.

CHAPTER 3 MAIN SPECIFICATIONS

3-1 INPUT SIGNALS (DVI ANALOG PLUG CONNECTOR)

Analog input	Video signals	Input video signals (analog)	R, G, B
		Input video signal level (analog)	-2.0 to 2.0V (75-ohm termination)
		Frequency band of input video signals	DC to 200 MHz
	Sync signals	Input sync signals	1 horizontal sync signal, 1 vertical sync signal
		Input sync signal level	TTL level (at high-impedance state) to 2.0Vp-p (with 75-ohm termination) * The impedance can be switched using the sync signal input impedance switch on the front panel.
Digital input	Panel link signals	Input range	25 MHz to 162 MHz

3-2 OUTPUT SIGNALS (DVI ANALOG PLUG CONNECTORS)

Analog output	Video signals	Output video signals (analog)	R, G, B
		Output video signal level (analog)	Based on input signals.
		Frequency band of output video signals	DC to 200 MHz (+/-3 dB)
	Sync signals	Output sync signals	Horizontal sync signal, vertical sync signal
		Output sync signal level	Based on input signals.
Digital output	Panel link signals	Output range	Based on input signals.

* Concerning DDC

The DDC control line (DDC-2B) is directly coupled with the INPUT and OUTPUT1 connectors: this means that only OUTPUT1 is supported and that the other output connectors are not used.

3-3 EXTERIOR AND GENERAL SPECIFICATIONS

Dimensions	430(W) x 44(H) x 330(D) mm (excluding protrusions)
Weight	Approx. 3 kg
Supply voltage	AC 90 to 250V (50/60 Hz)
Power consumption	20VA (with AC 100V supply voltage)
Ambient temperature range	5 to 40 C
Ambient humidity range	30 to 80% RH (no condensation)
Storage temperature	-10 to +60 C

前面
修正

3-4 ACCESSORIES SUPPLIED

Fuse	2 pcs; 3.15A slow-blow, 250V
AC cable	1 pc
Instruction manual	1 copy

NOTICE

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