

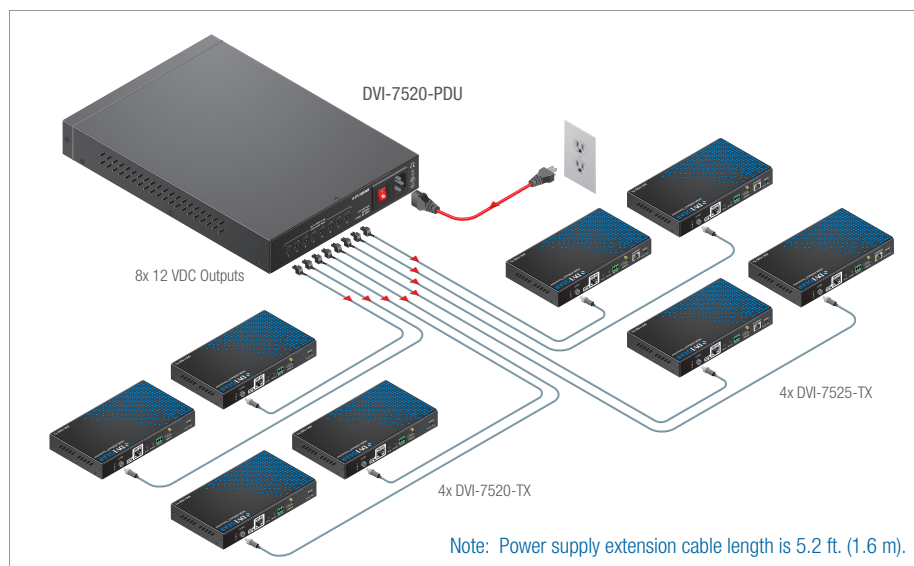
Introduction

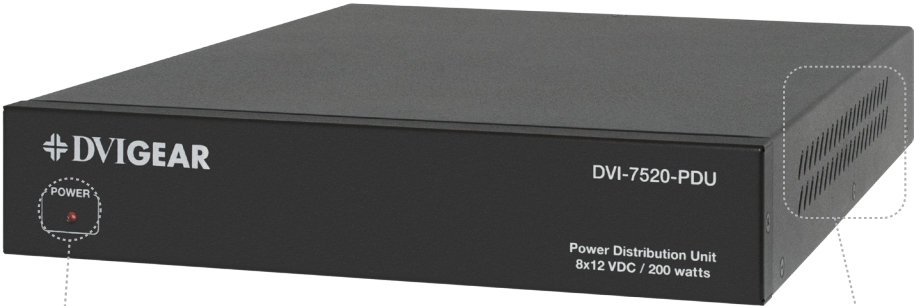
Many AV products require the use of external AC power supply units (PSU) to power their internal electronic circuitry. These external PSUs (wall warts) can pose a major challenge to system designers as they occupy valuable space within AV equipment racks where there are a limited number of AC outlets. Furthermore, some external PSUs are poorly designed and ill-suited for use in high profile applications.

DVIGear's DVI-7520-PDU Power Distribution Unit is engineered from the ground up for 24/7 mission critical applications. This unit offers an unprecedented level of reliability with an MTBF of greater than 220,000 hours. The DVI-7520-PDU provides +12 VDC power on 8x outputs, each rated for 24 watts. The unit has an overall power reserve of 200 watts. These features allow system designers and facility managers to optimize power management through more efficient use of rack space, which makes this unit an ideal solution for a wide range of professional applications.

The DVI-7520-PDU is housed in a rugged 1U half-rack mountable enclosure. It accepts AC line voltages auto-ranging from 88-264 VAC and AC line frequencies from 47-63 Hz. All outputs include extensive protection against overload, over-voltage and over-temperature. Versatile and reliable Phoenix connectors allow for universal connections to various products that require +12 VDC power.

Typical Application

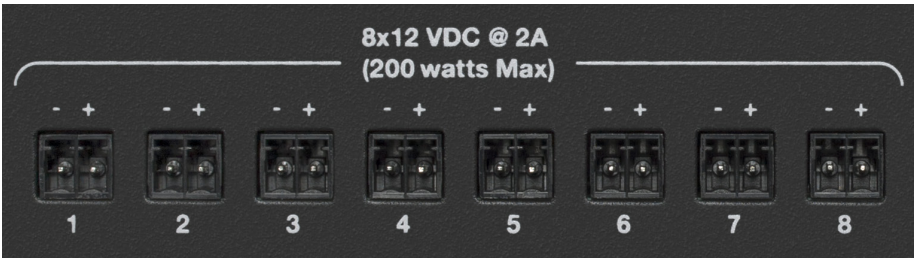




DVI-7520-PDU Front View



DVI-7520-PDU Rear View



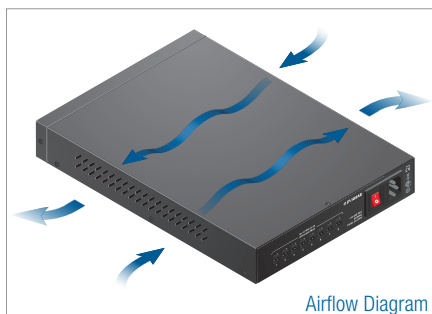
DVI-7520-PDU Rear View Close-up

Product Overview

1. Power LED	Continuously lit when unit is receiving power and switched ON.
2. AC Power Input	Connect supplied AC power cord securely to unit.
3. Power Switch	This switch turns the unit ON / OFF. Lights red when turned ON.
4. DC Power Outputs ⁽¹⁾	2-pin Phoenix connectors. See page 4 for more details.
5. Ventilation Holes ⁽²⁾	Allow airflow through the device.
6. Grounding Screw	Attach a ground (earth) connection to the unit with this screw.
7. Mounting Holes (underneath)	Use the included mounting screws to attach the unit to a rack mount kit (p.n. DVI-7520-RMK – must be purchased separately).

Note 1: Each output is rated for +12 VDC / 2A (24 watts) maximum. If using DC power cables other than those provided with this unit, use 18 AWG wire and observe proper polarity as shown on page 4.

Note 2: WARNING: In order to ensure proper operation and long term reliability, care must be taken to ensure that the airflow is not restricted in any way.



Installation

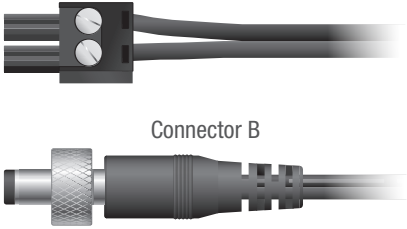
- 1.) Install the power distribution unit in a rack mount environment using DVI-7520-RMK (purchased separately). Care must be taken to ensure that the airflow is not restricted in any way. ⁽²⁾
- 2.) Connect the AC power input cable to a power source and to the power distribution unit.
- 3.) Connect devices to be powered to the DC outputs of the unit using the appropriate power supply extension cables (see page 4). ⁽³⁾
- 4.) Turn the power distribution unit ON using the power switch at the rear of the unit. Check to make sure the power LED on the front panel is lit.
- 5.) The unit is ready for use.

Note 3: WARNING: The DVI-7520-PDU provides +12VDC outputs. Take care to avoid connecting any 5VDC devices to these +12VDC outputs as this may cause damage and system failure.

Package Contents

Please check the packaging and make certain the following items are contained in the shipping carton:

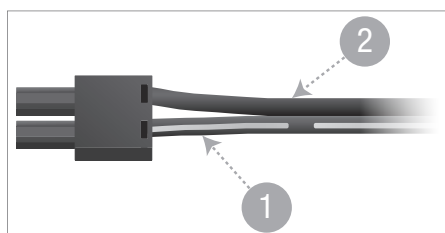
- 1x DVI-7520-PDU Power Distribution Unit - 8x 12VDC, 200W
- 8x DVI-7520-PSX Power Supply Extension Cables (see below for details)
- 1x AC Power Cord
- 4x Rubber Feet
- 4x Mounting Screws - for Rack Mount Kit (p.n. DVI-7520-RMK – must be purchased separately)
- 1x Quick Start Guide

Model No.	DVI-7520-PSX	Power Supply Extension Cable
Connector A	2-pin, 3.5 mm pitch Phoenix	
Connector B	Screw lock 5.5 x 2.1mm	
Length	5.2 ft. (1.6 meters)	
Compatible with	DVI-7520-PDU	
May replace	DVI-7520-PS	

Extension Cable Polarity

The wire polarity of the Phoenix connector must be maintained in order to ensure safety. The diagram to the right indicates the wires as they appear on the underside of the connector.

- 1.) The wire with the white line is the **positive** wire.
- 2.) The wire without a line is the **negative** wire.



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