

PDS8u

POWER DISTRIBUTION SYSTEM



USER'S MANUAL



IMPORTANT SAFETY INSTRUCTION – READ FIRST



This symbol, whenever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure-voltage that may be sufficient to constitute a risk of shock.



This symbol, wherever it appears, alerts you to important operating and maintenance instructions in the accompanying literature. Please read the manual.

Read instructions:

Retain these safety and operating instructions for future reference. Heed all warnings printed here and on the equipment. Follow the operating instructions printed in this user manual.

Do not open:

There are no user serviceable parts inside. Refer any service work to qualified technical personnel only.

Power sources:

Connect the units power supply to mains power only of the type described in this user manual or marked on the power supply.

Power supply:

Use the power supply with sealed mains plug appropriate for your local mains supply as provided with the equipment. If the provided supply does not fit into your outlet consult your service agent. Route the power cord so that it is not likely to be walked on, stretched or pinched by items placed upon or against it.

Grounding:

Do not defeat the grounding and polarization means of the power supply.

Moisture:

To reduce the risk of fire or electrical shock do not expose the unit to moisture or use in damp or wet conditions. Do not place container of liquid on unit.

Heat:

Do not locate the unit close to excessive heat or direct sunlight, as this could cause a fire hazard. Locate the unit away from any equipment, which produces heat such as: power supplies, power amplifiers and heaters.

Environment:

Protect from excessive dirt, dust, heat, and vibration when operating and storing. Avoid tobacco ash, drink spillage and smoke, especially that associated with smoke machines.

Handling:

Protect the controls from damage during transit. Use adequate padding if you need to ship the unit. To avoid injury to yourself or damage to the equipment, take care when lifting, moving, or carrying the unit.

Servicing:

Unplug power immediately if equipment is exposed to moisture, the power supply becomes damaged during a lightning storm or if smoke odor or noise is noted. Refer servicing to qualified technical personnel only.

Installation:

Install the unit in accordance with the instructions printed in the user manual.

INTRODUCTION:

We congratulate you on choosing the **ART PDS8u Power Distribution System**. You will find that this unit has been designed for easy use. The latest advances in power technology have been utilized in the design of this unit. Please read all instructions before operating.

Features:

- Front-Mounted Circuit Breaker Reset Switch
- Surge & Overload Protection
- EMI&RFI Filtering, Noise Free Power (Transverse mode: Greater than (26db, 200kHz to 10Mhz))
- Energy Dissipation 1800 Joules
- Peak Impulse Current 12000A
- 8 AC Outlets
- 2 USB Outlets USB1 5V/1A, USB2 5V/2.1A
- 2 AC Outputs Have Extra Wide Spacing Suitable for Large Size 'Wall Warts'
- Total Power Capacity of 1800 watts
- Extremely Tough Metal Casing
- 20ft Cord For Reaching Far Away Outlets

The **PDS8u** protects your delicate electronic equipment with a high voltage metal oxide varistor (MOV) surge and transient suppressor. The fast-acting suppression circuit responds in less than a nanosecond, clamping transient voltages to safe levels.

OPERATION:

MAXIMUM LOAD

The eight circuit breaker protected outlets are rated at 15 amps, which is equivalent to 1800 watts at 120 volts. If the total load on the **PDS8u unit's** outlets exceeds 15 amps, the circuit breaker will trip, cutting off power to your connected equipment. If this happens, reduce the load by unplugging one or more units from the **PDS8u** distribution system. Then rock the circuit breaker switch back to reset it

USB Charger

The PDS8u provides two USB charging ports for your convenience. The USB charging ports are, 5v/1A and 5v/2.1A (over voltage & over current protection).

POWER SWITCH

The **PDS8u** distribution system has a master POWER switch. This switch glows when the unit is on.

WARRANTY INFORMATION:

Limited Warranty

Applied Research and Technology will provide warranty and service for this unit in accordance with the following warrants:

Applied Research and Technology, (A R T) warrants to the original purchaser that this product and the components thereof will be free from defects in workmanship and materials for a period of **three** years from the date of purchase. Applied Research and Technology will, without charge, repair or replace, at its option, defective product or component parts upon prepaid delivery to the factory service department or authorized service center, accompanied by proof of purchase date in the form of a valid sales receipt.

Exclusions

This warranty does not apply in the event of misuse or abuse of the product or as a result of unauthorized alterations or repairs. This warranty is void if the serial number is altered, defaced, or removed.

A R T reserves the right to make changes in design or make additions to or improvements upon this product without any obligation to install the same on products previously manufactured.

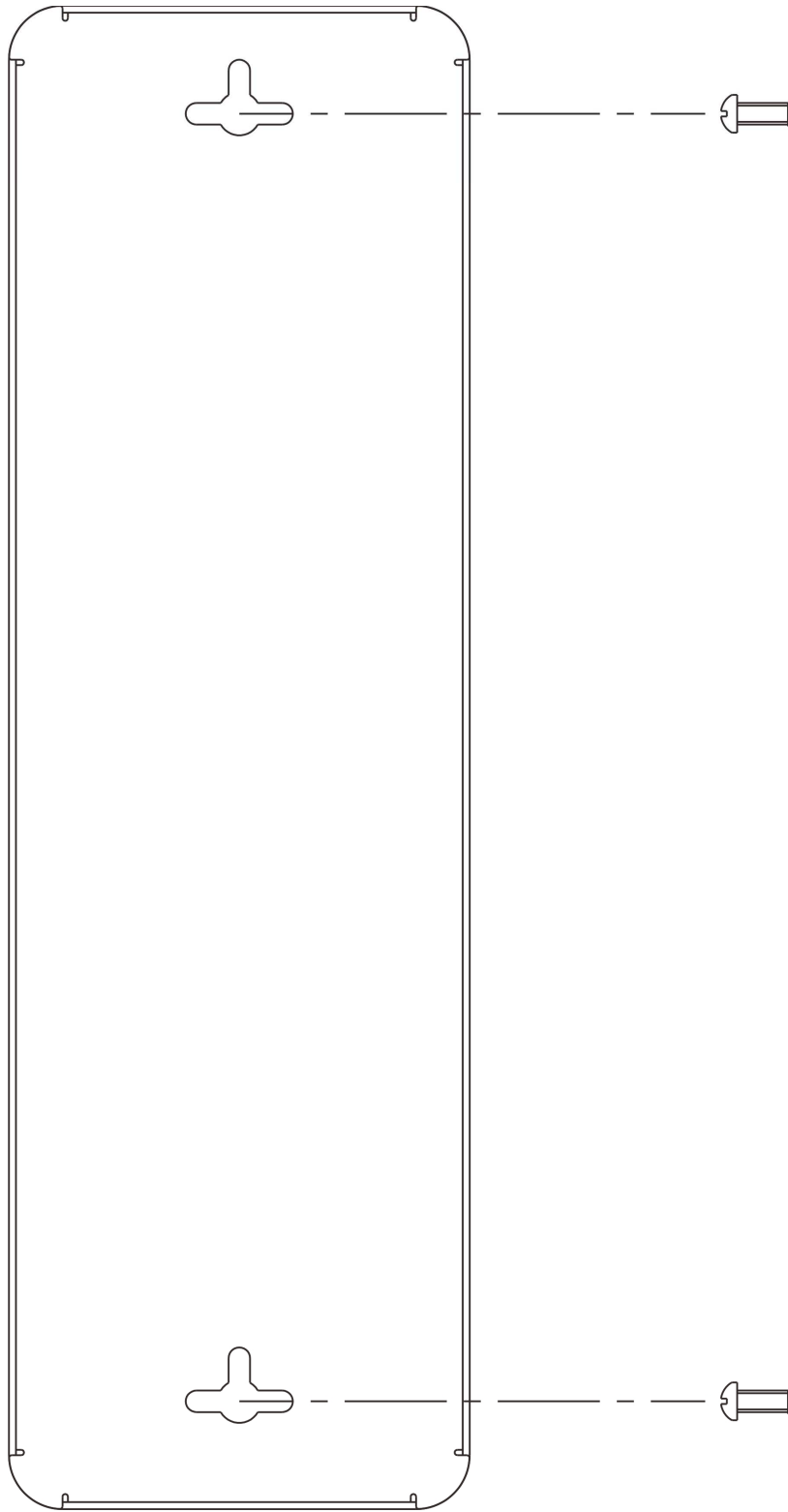
A R T shall not be liable for any consequential damages, including without limitation damages resulting from loss of use. Some states do not allow limitations of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific rights and you may have other rights, which vary from state to state.

For units purchased outside the United States, an authorized distributor of Applied Research and Technology will provide service.

SERVICE:

The following information is provided in the unlikely event that your unit requires service.

- 1) Be sure that the unit is the cause of the problem. Check to make sure the unit has power, all cables are connected correctly, and the cables themselves are in working condition. You may want to consult with your dealer for assistance in troubleshooting or testing your particular configuration.
- 2) If you believe the ART unit is at fault, go to www.artproaudio.com. You may contact Customer Service for more assistance, or directly request a Return Authorization for service in the “resources” area of the website.
- 3) If you are returning the unit for service, pack the unit in its original carton or a reasonable substitute. The original packaging may not be suitable as a shipping carton, so consider putting the packaged unit in another box for shipping. Print the RA number clearly on the outside of the shipping box.
- 4) Include, with your unit, a note with the RA number and your contact information including a daytime phone number, preferably attached to the top of the unit.



Recommended for mounting: screw size 3/32-inch - 1/8-inch (M3 - M4)

SPECIFICATIONS:

Maximum Output Current:	15A
Line Cord:	20ft., captive, 14AWG, with 3-conductor Grounded Plug
Operating Voltage:	120VAC/60Hz
Spike Protection:	Line to neutral
Energy Dissipation:	1800 Joules
Peak Impulse Mode:	12000 A
Maximum Continuous operating Voltage:	130 VAC RMS
Let Through Voltage:	400 Volts (@125amps, 8/20us waveform)
Noise Attenuation:	Transverse mode: Greater Than (26db, 200kHz to10Mhz)
USB Charger:	2 port 5v/3.1A/(ovp & ocp)
Dimensions (HxWxD):	1.61-inch x 11.02-inch x 3.39-inch 41mm x 280mm x 86mm
Weight:	2.65lbs / 1.2kg
Operating Temperature:	122°F (50°C) or less

This Product should only be operated at an altitude below 1.86mi (3000m)

ART maintains a policy of constant product improvement. ART reserves the right to make changes in design or make additions to or improvements upon this product without any obligation to install same on products previously manufactured. Therefore, specifications are subject to change without notice.

Applied Research & Technology

www.artproaudio.com © 2016 Applied Research & Technology



www.artproaudio.com
E-mail: support@artproaudio.com