

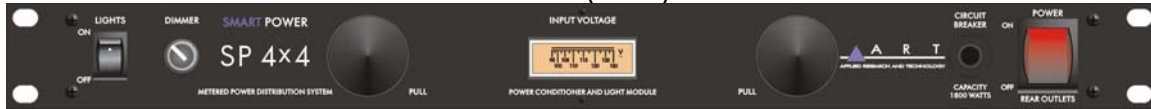
# 4x4 POWER DISTRIBUTION UNIT

## Operation Manual

### PB 4X4 (FRONT)



### SP 4X4 (FRONT)



### PS 4x4 (FRONT)



### BACK (ALL UNITS)



## INTRODUCTION

We congratulate you on choosing an ART 4x4 Power Distribution Unit. You will find that they have been designed for easy use. The latest advances in power technology have been utilized in the design of these units. Please read all instructions carefully before operating.

### All 4X4 Models (Power Base, Smart Power and Power Station) Feature:

- Front-Mounted Circuit Breaker Reset Switch
- Surge & Spike Protection
- EMI & RFI Filtering
- Unique "4X" Distribution on the Back- Four of the Eight Rear Switched Outputs are wider for Wall Wart Devices
- Total Power Capacity of 1800 watts
- Rugged All-Steel Chassis Occupies 1u Rack Space

### Smart Power (SP) adds:

- 2 Front Shock-Mounted Light Posts
- Backlit Linear Meter to Monitor Input Voltage
- Separate On/Off Light Switch
- Adjustable Dimmer Dial

### Power Station (PS) has all SP features, and adds:

- Backlit Ammeter to Monitor Load Current

The **4x4 POWER DISTRIBUTION UNITS** protect your delicate electronic equipment with a high voltage 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 **4x4 POWER DISTRIBUTION UNIT's** outlets (and rack lights on the SP & PS) exceed 15 amps, the circuit breaker will trip, cutting off power to your rack. If this happens, reduce the load by unplugging one or more units from the 4X4 POWER DISTRIBUTION UNIT. Then push the circuit breaker button in to reset it.

### LAMPS (SP & PS)

The **4x4 POWER DISTRIBUTION UNIT's** lamps pull out easily and may be aimed to provide the best illumination for your equipment. Each lamp is supplied with a 7-watt night light bulb. Replacements are readily available at most hardware stores, or wherever household light bulbs are sold. Adjust the DIMMER control for the desired brightness. The lights do not turn off automatically when the tubes are pushed in, so be sure to switch the RACK LIGHTS switch to the OFF position before pushing in the tubes.

**CAUTION-BURN WARNING:** The caps and light tubes become hot during normal operation. Avoid burning your fingers by allowing the cap to cool completely before unscrewing it. Do not push the tubes in while the caps are unscrewed. If you find that the heat from the tubes is excessive, reduce the setting of the Dimmer control, or substitute a 4-Watt bulb.

### BULB REPLACEMENT (SP & PS)

Bulbs are easily replaced without removing the unit from the rack. Simply unscrew the cap on the end of each light tube, remove the old bulb and replace.

## **POWER SWITCHES**

The **4x4 POWER DISTRIBUTION UNIT** has a master POWER switch for the rear outlets as well as the lights (SP & PS). This switch glows when the unit is on.

### **Warnings**

1. All operating instructions should be read before using this equipment.
2. To prevent the risk of electrical shock, do not remove the cover or the back. There are no user-serviceable parts inside. Please refer servicing to a qualified service technician.
3. Do not expose this unit to heat sources such as radiators, stoves, or other items that generate excessive heat.
4. This unit should be cleaned only with a damp cloth, audio solvents or cleaning detergents. Do not get moisture inside the unit.
5. When moving this equipment, it should be placed in its original carton and packing, to reduce the risk of damage in transit.

## **WARRANTY AND SERVICE INFORMATION**

### **Limited Warranty**

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

Applied Research and Technology (A R T) warrants to the original purchaser that this product is free from defects in workmanship and materials for a period of one year from the date of purchase. A R T will, without charge, repair or replace, at its option, defective product or component parts upon prepaid delivery to the factory service department or an 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 and make additions or improvements upon this product without any obligation to install the same on products previously manufactured.

A R T should not be liable for any consequential damages, including without limitation, damages resulting from the loss of use. Some states do not allow limitation 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 also have other rights, which vary, from state to state.

For products purchased outside the United States, service will be provided by an authorized distributor of Applied Research and Technology products.

### **SERVICE**

The following information is provided in the unlikely event that your unit requires service. Use this procedure to return units in the United States only. For service outside the United States, please contact your authorized A R T distributor.

- 1) Be sure the unit is the cause of the problem. Check to make sure the unit has power supplied, all cables are connected correctly, and the cables themselves are in working condition.
- 2) If you find the unit to be at fault, write down a description of the problem, including how and when the problem occurs.
- 3) Contact our Customer Service department at (716) 297-2920 for your Return Authorization number or questions regarding your repair. Customer Service hours are Monday through Friday 9:00AM to 5:00PM Eastern time.
- 4) Pack the unit in its original carton or reasonable substitute. The packing box is not recommended for a shipping carton. Put the packaged unit in another box for shipping. Print the RA number clearly under the address.
- 5) Include with your unit: a return shipping address (we cannot ship to a P.O. Box), a copy of your purchase receipt, a daytime phone number and the description of the problem.
- 6) Ship the unit to:  
Applied Research and Technology a Division of Yorkville Sound Inc.  
4625 Witmer Industrial Estates  
Niagara Falls, NY 14305  
Attn: Repair Department  
R.A.# \_\_\_\_\_

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