

Using Model 978 Power Supplies

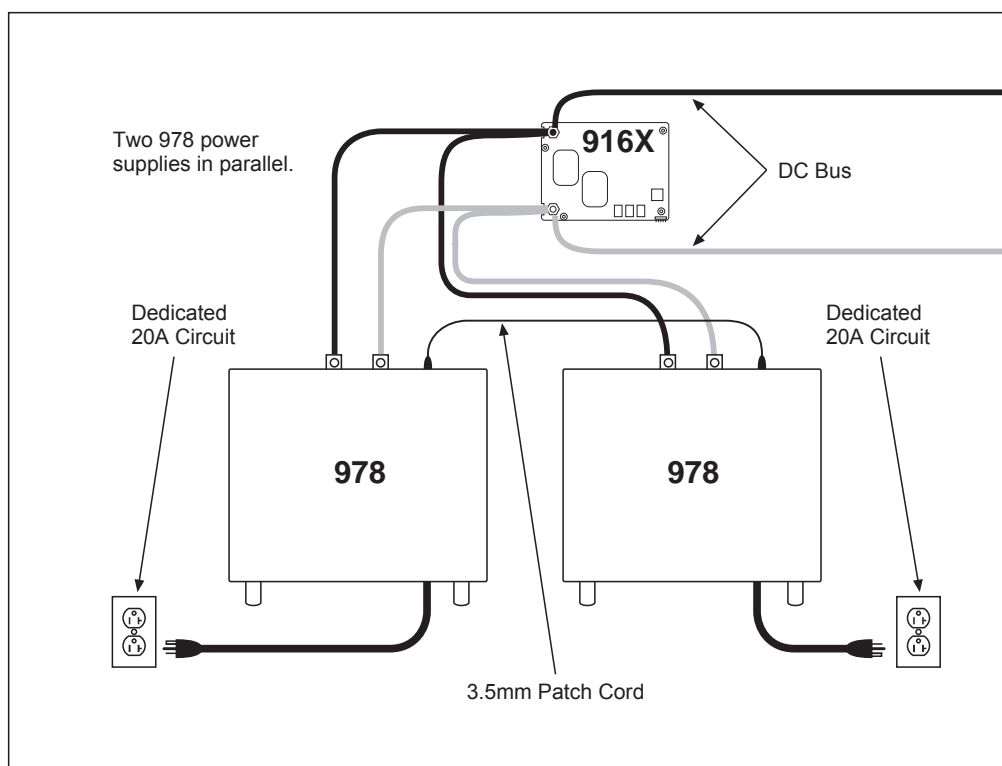
Model 978 power supplies are offered in output current ratings from 60 to 100 amperes at 13.8 volts DC, using 20 ampere internal modules. They are designed to continue operating even if a module fails and are protected against overheat and overvoltage.

Do not use this product to charge batteries or with a battery connected to its output. Use car audio stiffening capacitors if more output surge capacity is desired. Install and use stiffening capacitors according to the manufacturer's directions.

Installation

Place the Model 978 where the cooling air intake on the bottom of the unit and the air outlet grille are not obstructed. Connect the output terminals to wires of a gauge suitable for the load current (refer to the table at right).

Current	Minimum AWG
60	8
80	6
100	4



Strip the wires 3/4" and tighten the stripped ends securely in each of the output terminals. Do not connect or disconnect the power supply output wiring with the unit operating. When the red lamp near the output terminals is illuminated, the power supply is operating.

Plug the line cord into a dedicated 20-amp outlet. A NEMA type 5-20 plug, which prevents use on 15-amp circuits, is provided for your safety.

Two Model 978s may be paralleled to achieve 200 amps of load current. Connect each power supply to the common DC bus (in this case, the terminals of a 916X module) using heavy wires as described above. Plug one end of an ordinary 3.5mm patchcord into the jack next to the output terminals on each unit. Furnish a dedicated 20-amp AC circuit for each Model 978.

Operation

When operating, the Model 978 displays a red Output Active lamp near the output terminals, and one green lamp on the front panel for each 20-amp module indicating Module Status (see table at right).

The Module Status lamps are normally on or flashing during operation. If any lamp is off during full-load operation, call Audio Authority Technical Service at 800-322-8346.

A red Overheat lamp, when lighted, signals that the fan is inoperative or the internal temperature is excessive. If overheating is indicated, remove obstructions from the cooling air path.

In car audio display applications, it is suggested that the Model 978 be left on at all times to protect the electronic memories of display products.

Module Status Lamps:
On/Flash = Normal operation
Off = No output

Upgrading

The Model 978 has slots for six 20-amp modules. For example, if 5 slots are populated with modules, the output current rating will be 100 amperes. For 100 amp capacity with ultra reliability, a sixth module may be added for redundancy.

Call Audio Authority Technical Support for instructions on shipping your power supply to Audio Authority for Service.



2048 Mercer Rd, Lexington, Kentucky, USA 40511-1071
800-322-8346 • 859-233-4599 • Fax: 859-233-4562
www.audioauthority.com • service@audioauthority.com

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