



Thank you for purchasing the Intellitron DC Power Hub. These units are designed to help you organize your station's DC wiring, eliminate noisy wall-warts, and provide an extra layer of protection for valuable radios and accessories. Please read these instructions to become familiar with your particular hub's full range of specifications and features.

PDC-3108D: Normally used for powering station accessories and lower-power radios, the PDC-3108D provides eight low-current five-way binding post outlets. A master switch controls power to all eight outlets and a 15A master fuse protects the power source (fuse located inside chassis). Source voltage is continuously monitored by a precision digital display.

PDC-3208D: The PDC-3208D provides six 15A and two 35A binding-post outlets. The six right-hand outlets are switched and configured to supply operating voltage for lower-power station accessories and radios. The two left-hand outlets are unswitched and used to supply voltage for higher-power transceivers. Both high-current outlets are individually protected with 40A fuses and the bank of six low-current outlets are protected by a single 15A master fuse (fuses located inside chassis). A precision digital voltmeter continuously monitors the input voltage of the power source.

PDC-3406: The PDC-3406 is designed to distribute DC power for a "typical station". Four Power Pole outlets (1-4) are dedicated to station accessories and low-power radios, and two high-current binding-post outlets (5,6) accommodate high-power transceivers. Each outlet (1-6) is individually fused, and a 40A master fuse further protects the power source. Compact in size, the PDC-3406 is especially suited for out-of-sight mounting (no digital voltmeter or master power switch).

PDC-3408D: The PDC-3408D hub uses Power Pole connectors for both the high-power and low-power outlets. High-current outlets (1-3) are unswitched and individually fuse-protected. Low-current accessory outlets (4-8) are switched and individually fused. A 40A master fuse provides added protection, A digital voltmeter continuously monitors voltage from the power source.

GENERAL INFORMATION: (Applies to all models)

Important Warning: All Intellitron power hubs have a maximum DC input rating of 25 volts. Exceeding 25-volts input could damage the digital display and other components.

- Power Pole outlets are protected by ATC/ATO "blade" replacement fuses. These are inexpensive and widely available. Fuse ratings may be substituted as needed to optimize protection. The PDC-3108D uses a 15A standard cartridge fuse, and the PDC-3208D uses cartridge fuses located inside the hub enclosure.
- The Total combined current load from all outlets must not exceed hub's overall rating. The PDC-3108D maximum rating is 15A, The PDC-3208D, PDC-3406, and PDC-3408D are rated at 40A maximum.

- These products are not reverse-polarity protected. Always confirm red (+) and black (-) when connecting to a power source.
- Hubs accept DC voltages only -- never apply an AC voltage!
- When installing, connect hub's ground terminal to your station ground.

Power Pole Connectors: If your power hub uses Power Poles, mating connectors are supplied to install on your equipment power leads. If you've never installed Power Pole connectors, we recommend searching on-line for a YouTube video illustrating how it is done (there are several good ones). A brief visual demonstration will prove far more instructive than wading through a volume of written instruction.

Here are a few supplemental tips that may prove helpful:

- Strip each wire back ¼-inch and tin.
- Lightly tin the inside of the terminal's crimp sleeve (rounded part).
- Install wire, making sure the end doesn't protrude beyond the sleeve.
- Solder, applying heat to the outside of the barrel and solder to the inside.

Do not allow solder to buildup on the outside of the crimp sleeve and do not attempt to crimp the connection unless you have a special tool with the correct die. If the crimp sleeve becomes distorted in shape or enlarged on the outside with a blob of solder, it may fail to fully insert into the plastic connector body.

Fully seating the metal terminal inside the plastic connector body normally requires a custom insertion tool, but any flat-bladed jeweler's screwdriver will work just as well. When correctly inserted, the terminal will audibly "click" into place. If it fails to click in, either the terminal is oriented upside-down, or insertion is obstructed by excess solder. Solder-wick works well for removing any excess.



TWO YEAR LIMITED WARRANTY

This Limited Product Warranty is provided by the Dealer where your Intellitron product was purchased. The Product Warranty extends only to the original purchaser of the product and is valid for a period of two years from the date of purchase. Please keep your dated sales receipt as evidence of the date of purchase. You will need it to receive warranty service. Your Dealer warrants the product will be free from defects in workmanship and materials under normal use. If the product fails to conform to the warrant and is within the warranty period of two years, contact your original dealer for a return authorization. Your dealer may choose to either repair or replace the non-conforming product.