



TECHNICAL BULLETIN # 110

PIKA Daytona POTS Noise/Hum Removal

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Software Version: Hardware related

Product(s): PIKA Daytona POTS cards

Purpose: Removing noise/hum on certain POTS systems

Customers with systems either still under development or in the field, may have experienced a noise/hum on station lines on Daytona POTS cards. In order to avoid this noise, a simple and effective solution is explained below.

The Viking power supply unit (PSU) model number RP60-2A is equipped with a 5 terminal block connector on the side. These are where the connections to the card are made.

When the PSU is connected to electricity, the third prong (round pin) on the connector is the ground (for North America) prong. This prong is connected only to the Viking PSU chassis and is not connected to the internal circuit ground.

On the block connector, the middle terminal screw is marked 'COMMON'. This is connected to the internal circuit ground. On the top of the Viking PSU's metal casing, there is an unmarked Philips-head screw.

To remove the noise, follow the steps below and refer to **Figure 1** on the following page:

- 1) Disconnect the PSU from the AC (wall-outlet);
- 2) Disconnect the PSU from the Daytona POTS card;
- 3) Partially unscrew the terminal marked by COMMON;
- 4) Partially unscrew the middle screw from the top cover of the PSU (marked with Chassis Ground);
- 5) Take a piece of solid copper wire (14-18 gauge) with the plastic sheathing stripped about 1/2" off each end;
- 6) Attach each end of the wire to each unscrewed screw from the Viking PSU;
- 7) Re-screw both screws in place;
- 8) Re-connect the PSU to the Daytona card; and
- 9) Re-connect the PSU to the AC (wall-outlet).

If noise/hum persists, please contact PIKA Technologies' Customer Care department at support@pikatech.com.

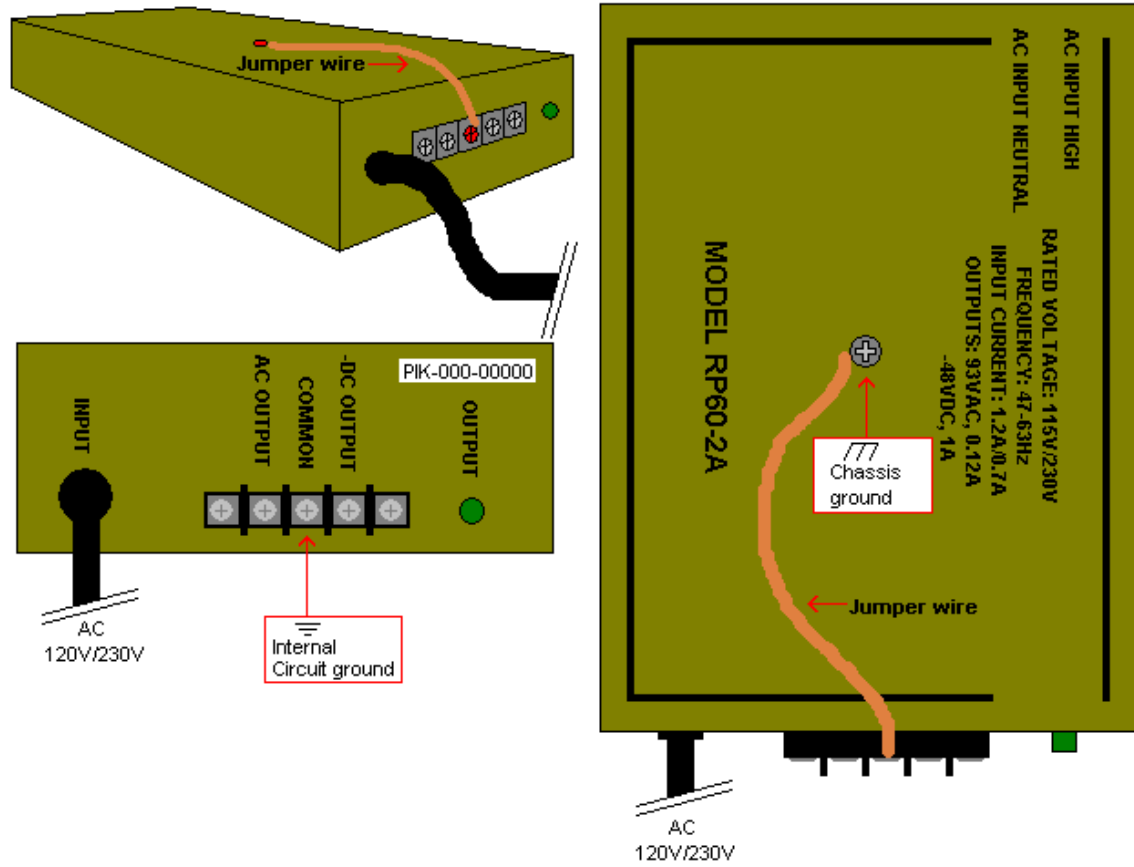


Figure 1: PSU connections