

# Starkrimson® 25 Amp Module Instructions

## NOTES:

- Due to the bridged amplifier design both speaker terminals (HL1 & HL2) are hot when the amplifier is on.
  - Do not connect either output to ground (GND)
- Do not power up the amp without a load or speaker connected.
- Do not plug in a live power supply into the amp.

## Starkrimson Instructions:

### To turn the amp on:

- Connect speakers
- Connect Input (XLR)
- Plug-in power supply into the amp (power supply must be off)
- Turn on the power supply

### To turn the amp off:

- Turn off the power supply and allow enough time for capacitors to discharge.
- Remove connections

### Amplifier Output:

- The amplifier outputs are HL1 and HL2.

### Amplifier Input:

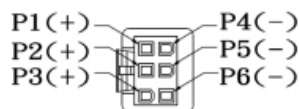
- The amplifier input is the XLR connector or X3

### Mounting Holes:

- The module has 5 mounting holes which work with either M3 or 4-40 hardware
- All mounting holes are connected to module ground
- The module should be mounted in a vented enclosure so ambient temperatures do not exceed 40C.

### Power Supply Connection:

- The power supply should be 45.6V minimum, 58.8V maximum with a minimum output power of 250W.
  - Recommend Power Supplies:
    - [Recom-Power RACM230-54SG](#) (one per amp module)
    - [XP-Power GCS350PS56](#) (one per amp module)
    - [CUI Inc SDI250-56-U-P219](#) (one per amp module)
    - [CUI Inc SDI300G-56-U-P219](#) (one per amp module)
  - If using a power supply with more than 300W output power, it is highly recommended to put a fuse inline between the power supply and amplifier.
- The mating plug is Molex / 39-01-2060, with the following pinout:



## Module Gain Adjustment

The module is shipped configured for a gain of 21.5dB.

The gain can be adjusted by jumpers J2 and J3. See table below for acceptable configurations

Gain	J2 Setting	J3 Setting
21.5dB	Installed	Installed
16.8dB	Removed	Removed

**NOTE: Both jumpers must be installed or removed. Do not operate the module with only one jumper installed.**

