

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.
- Not compatible with electrostatic speakers. Please use our [Ultra models](#) in this scenario.

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:

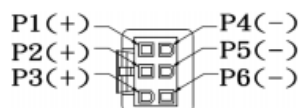
- The amplifier input is the XLR connector or X3

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.

