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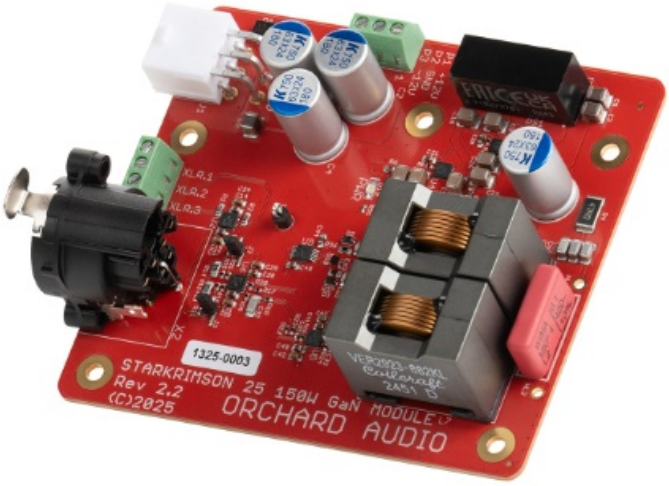
Starkrimson

Starkrimson 25 Amplifier Module



Specifications

- Amplifier Output: Rev 1.1
- Module Gain Adjustment: Shipped configured for a gain of 21.5dB

Product Usage Instructions

Module Gain Adjustment:

The gain of the module can be adjusted by manipulating jumpers J2 and J3. The following table outlines the gain configurations:

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

NOTE: Ensure that both jumpers are either installed or removed. Do not operate the module with only one jumper installed.

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 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)
- PPlugpower 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 the capacitors to discharge.
- Remove connections

Amplifier Output:

- The amplifier outputs are HL1 and HL2.

Amplifier Input:

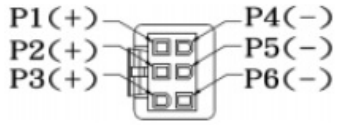
- The amplifier input is the XLR connector or X3

Mounting Holes:

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

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:



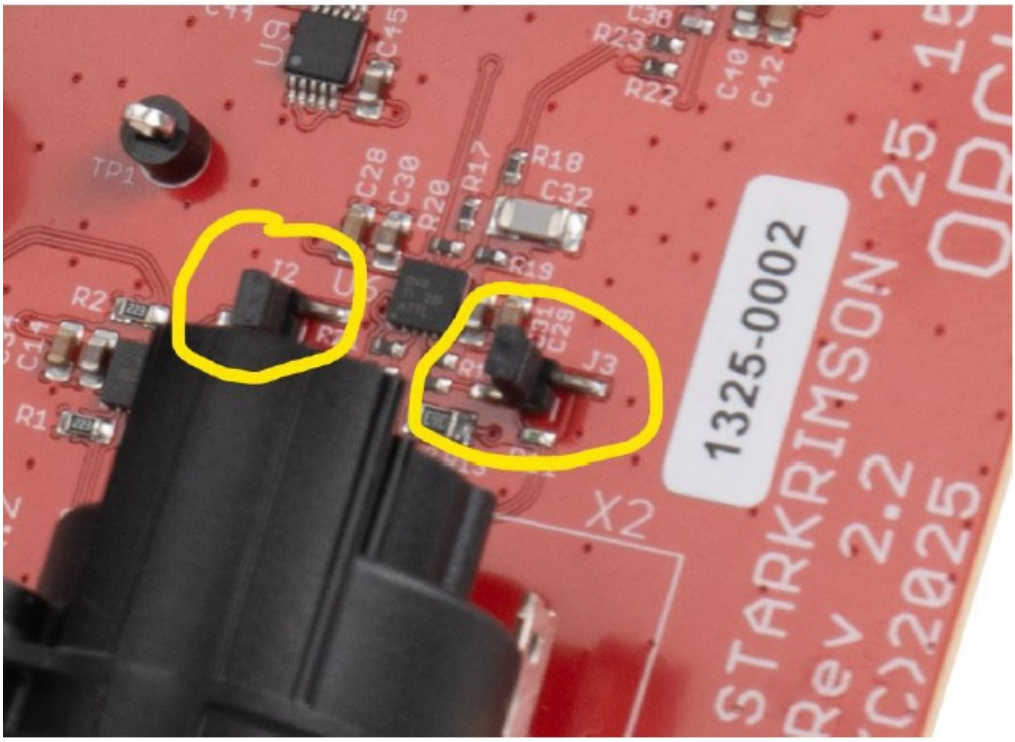
Module Gain Adjustment

The module is shipped configured for a gain of 21.5 dBB.
The gain can be adjusted by jumpers J2 and J3. See the table below for acceptable

configurations

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

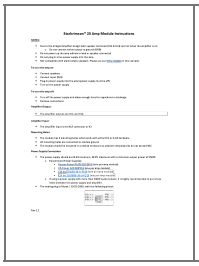
NOTE: Both jumpers must be installed or removed. Do not operate the module with only one jumper installed.



FAQs

- **Q: What should I do if I need a gain different from 21.5dB or 16.8dB?**
  A: For gains other than 21.5dB or 16.8dB, please refer to the product manual for detailed instructions on adjusting the jumpers for custom gain settings.
- **Q: Is it safe to operate the module with just one jumper installed?**
  A: No, it is not safe to operate the module with only one jumper installed. Both jumpers must be either installed or removed to ensure proper functionality and performance.

Documents / Resources

	Starkrimson 25 Amplifier Module [pdf] Instructions 25, 25 Amplifier Module, 25 Module, Amplifier Module, Module

References

- User Manual

Starkrimson 25, 25 Amplifier Module, 25 Module, Amplifier Module, Module, Starkrimson

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