

Gozinta

User Manual



Circuit Abbey

Gozinta Description

The Gozinta is an input module capable of amplifying line level signals to Eurorack levels. The 2 independent channels have nominal 24dB gain and include front panel attenuators. Ultra-modern amplifier ICs give this module excellent performance characteristics. Clip LEDs show when output levels are about to clip.

The module can also be used as a utility amplifier for situations where processing has produced low levels, such as when using a filter for percussion. Also the module has good sharp clipping characteristics and produces interesting distortion effects.

There are gain setting jumpers for each channel to configure gain to 12, 24, or 36dB. The amplifiers are AC-coupled and are jumper selectable to DC operation on each channel.

The Gozinta uses high performance LM4562 amplifiers which have excellent noise and distortion specs, one of the best amplifiers available today. The Gozinta also boasts sealed pots and enclosed jacks. No scratchy controls!

Examples:

- Boosting levels of external equipment such as MP3 players, CD players, computer sound card outputs, and rack gear like reverb units
- Make-up amplifier for signals that are low from processing or from patch issues like low VCA output
- When using a signal as a gate or clock but the level is too low
- Produces a clean distortion sound when overloaded

This 4HP module has a maximum 20mA current draw.

Front Panel Interface:

Gozinta



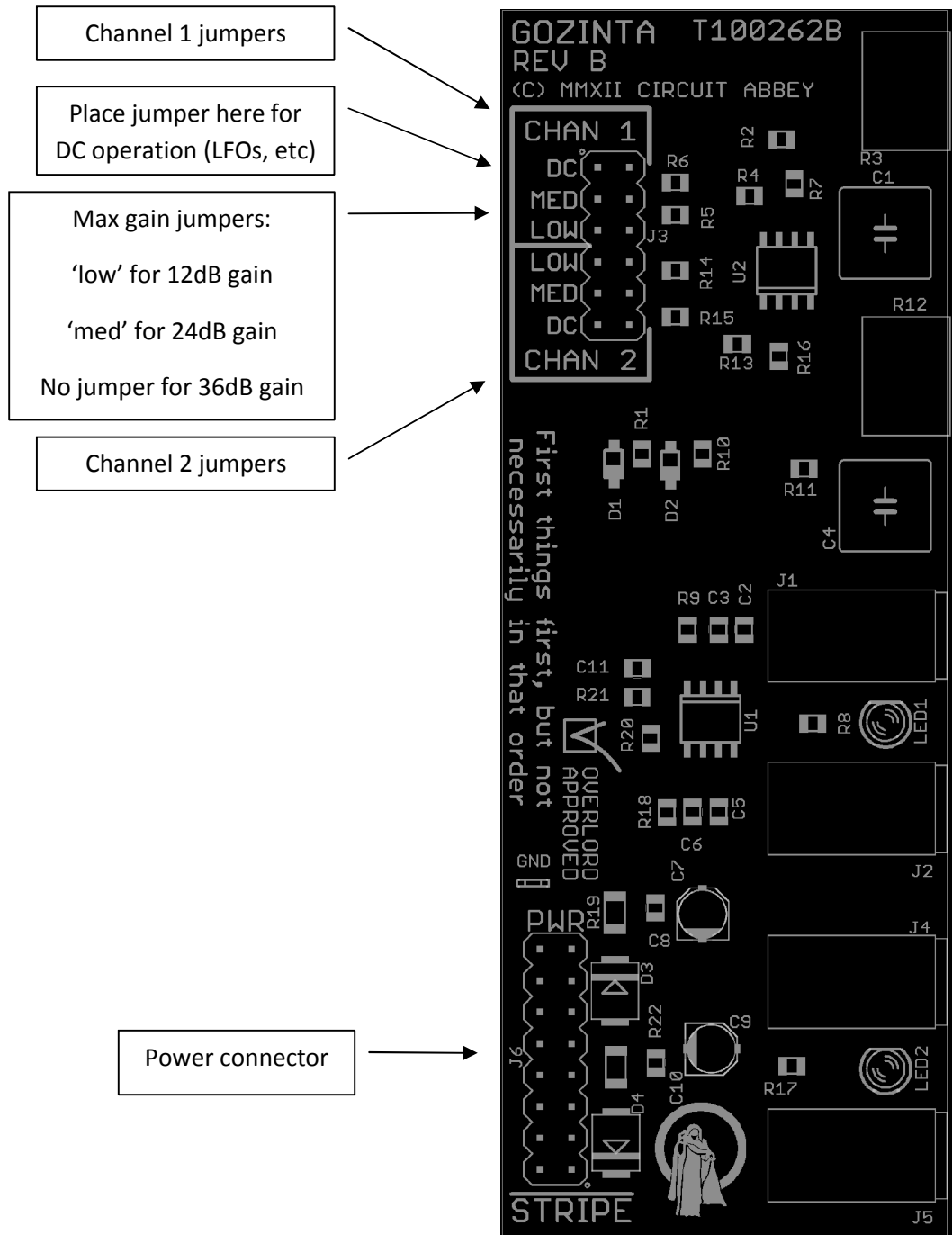
Level 1 & 2: Adjusts the gain of their respective channels, from 0 to max gain

In 1 & 2: Inputs for each amplifier

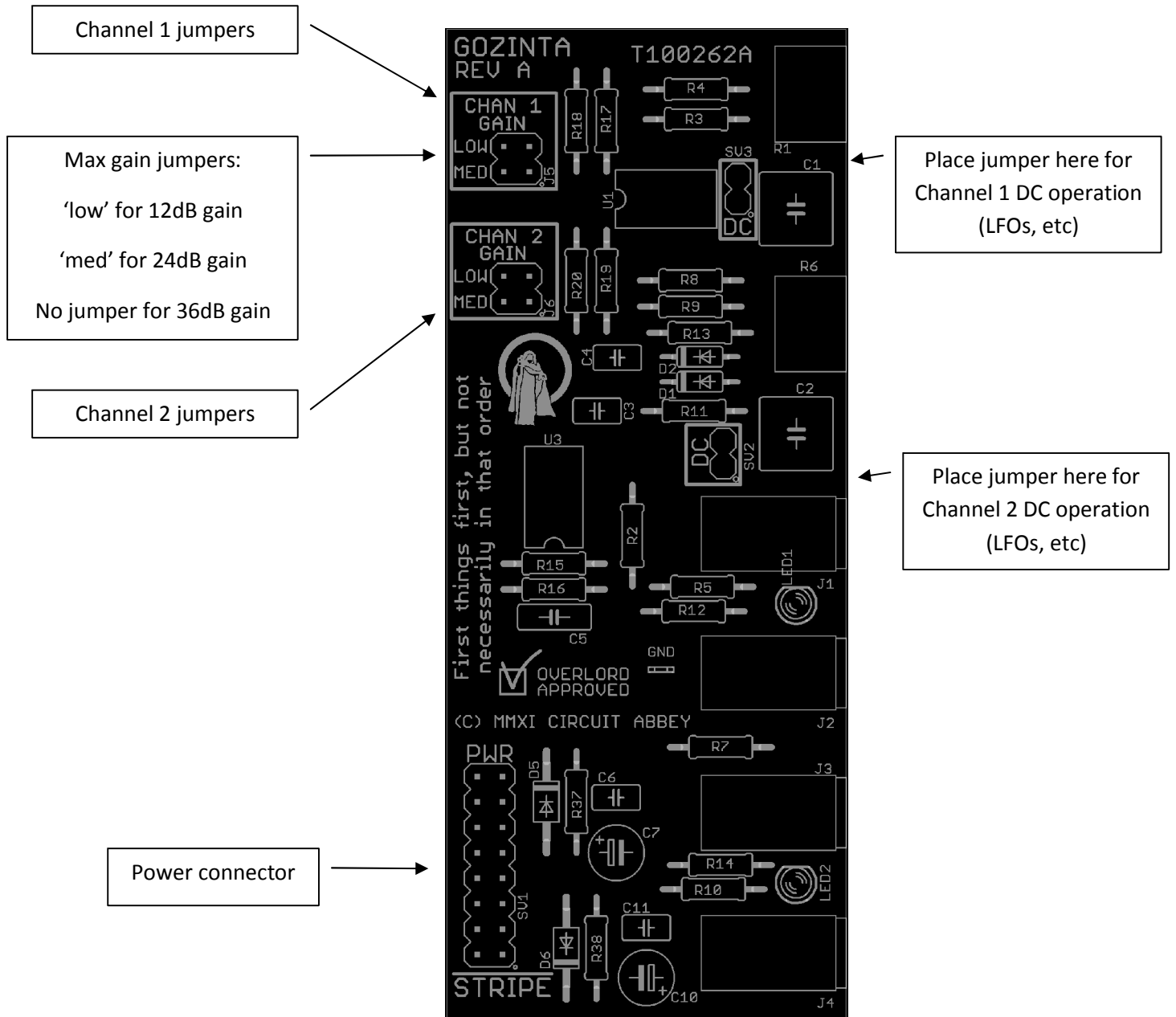
Out 1 & 2: Outputs for each amplifier

Clip LEDs: Shows when the amplifiers have reached maximum output

Jumper locations – Gozinta Rev B



Jumper locations – Gozinta Rev A



Module Width	4HP (20mm)
Module Depth	37mm
Power Connector	Standard Doepfer 16 pin
Power Requirements	± 12 Volts at 20mA Max
Input Impedance	20K Ohms
Output	Short circuit protected