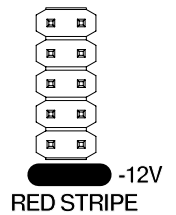


## Power Connection

The Rhythm Composer uses a standard Eurorack non-shrouded non-keyed power connector and comes with a standard 10 pin to 16 pin Eurorack power cable already fitted. Connect the 16 pin connector to your Eurorack system's power bus. The Red Stripe on the power cable indicates the -12V conductor. Should you need to change the power cable you must ensure that the Red Stripe end of cable is aligned with the thick white line next to the power header on the PCB (Figure 1). The module is designed to withstand brief conditions of reverse power, but prolonged connection to reverse polarity will damage the protection diodes and require module

servicing. Damage caused by reverse polarity is not covered by the warranty.

Fig. 1. 10 PIN Eurorack power connector with thick line indicat-



## Trigger Outputs

There are two independant, programmable Trigger Outputs available for interfacing with synthesizers, sequencers and other rythm machines. The TRIGGER 1 signal is a positive 5V 15 millisecond pulse and the TRIGGER 2 signal is a switchable positive 5V or 12V 15 millisecond pulse. Selecting between a 5V and 12V trigger level requires changing a jumper on the back of the module (See Figure X).

Each Trigger Output is fully assignable to any of the drum instruments. By default, a cleared pattern assigns TRIGGER 1 to the RS(RIM SHOT) and TRIGGER 2 to the MA (MARACAS). More information about assigning triggers is found in the Writing Rhythm Patterns section on Page X.

## Sync Input

The SYNC Input jack is a multi-function input with programmable behaviour. It can be configured as a START/STOP input, FILL IN trigger, PATTERN RESET input, or as a CLOCK input for the internal sequencer.

## MIDI/SYNC Input

The MIDI/SYNC Input connector is a mult-function input that can be configured as a MIDI input, DIN SYNC Input or DIN SYNC Output.

When configured as a MIDI Input, the Rhythm Composer can be used as a MIDI drum module where each insrument can be triggered by a MIDI NOTE ON message.

The MIDI/SYNC input can also be used as a DIN SYNC interface. In DIN SYNC SLAVE mode, the module awaits RUN/STOP and CLOCK signals from an external DIN SYNC MASTER. In DIN SYNC MASTER mode, the module sends out RUN/STOP and CLOCK signals.

## Audio Outputs

The MASTER OUT jack provides the summed output of all the instruments. The level of each instrument in the summed output mix is determined by each instrument's LEVEL control. The overall level of the MASTER OUT jack is controlled by the MASTER VOLUME control.

A set of separate outputs for each drum instrument or instrument group is available in the OUTPUT section.

Plugging a jack into an instrument's output switches it out of the MASTER OUT mix. The individual outputs allow each instrument or instrument group to be processed separately. TOMS CONGAS, RIMSHOT/CLAVES and HANDCLAP/MARACAS each have shared outputs.