

The Knit Rider expander adds clock OUT and reset IN/OUT connections to the Knit Rider sequencer. It doesn't work without Knit Rider Eurorack module.

## instruction

1

Clock Out outputs a pulse each time a step on the Knit Rider changes (1 step = 4 substeps). It also has an indicator LED.

2

The Reset socket acts as an output or input, depending on whether the Knit Rider is master or slave. In master mode, the reset outputs a pulse each time you press the start stop button. In slave mode, it acts as an input. When it detects a pulse, the sequencer goes to its first step (it will play the first step with the first incoming clock pulse).

3

additional feature of this expander is a 3-way passive multiple with clock inverter. The lower 3 connectors are simple passive multiples.

4

The uppermost connector outputs an inverted version of the signal in the passive multiple. The inversion is done with a 2.5V threshold (0V or lower becomes 5V and 5V and higher becomes 0V).

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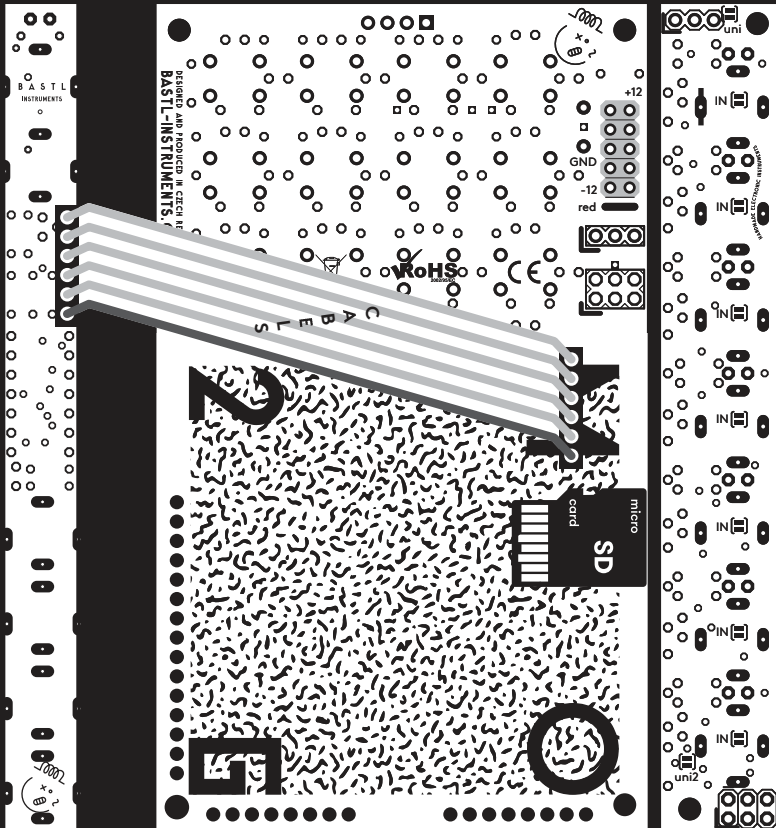
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Knit Rider Expander

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Take it Carefully

## connecting the expander

Follow the diagram to connect the ribbon cable to the Knit Rider. Please make sure the polarity of the cable is not reversed!

## features

- expanding the connectivity of the Knit Rider Eurorack module
- clock output with indicator LED
- reset socket can be either output or input, depending on the master/slave settings on the Knit Rider
- 3 way passive multiple with clock signal inverter

## technical details

- 2HP
- powered from the Knit Rider module
- with the expander connected the final current draw of the Knit Rider is: +12: <40mA

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