# Installation

The Time Apprentice requires a standard 2x5 pin eurorack power cable. Make sure the red stripe on the cable matches the -12V side of the power header. Your module is sold with an Intellijel 1U front panel but can be easily switched to Tile/Pulp Logic format by swapping the front panel with the provided extra panel. To do so, unscrew the 4 jack nuts, replace the front panel & screw the 4 jack nuts back on.

Pulp Logic Power IN You can power your Time Apprentice via a 1U Tile power bus. For this, you need to solder a cable ending with a Futaba J male connector, available in every hobbyist store. The cable has to be soldered on the right way, by respecting the GND & -12V silkscreen on the PCB. If the Pulp Logic power socket is used, cover the eurorack power header with the provided blank connector to prevent short.
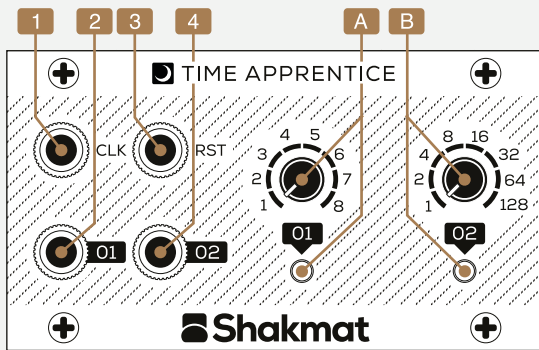
1	Clock input	3	Reset in
2	Output 1	4	Output 2

A	Divider 1 & Activity LED
B	Divider 2 & Activity LED

About

The Time Apprentice is a compact dual settable clock divider. The dividers have their own set of divisions - perfect for applications such as clocking and resetting sequencers, syncing pingable modulation sources or triggering events. A series of settings at the back of the module allows for personalisation of the divider's behaviour.
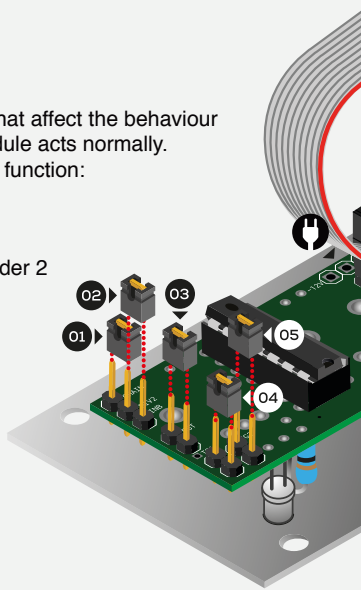
Configuration

The Time Apprentice has 5 jumpers that affect the behaviour of the module. Without them, the module acts normally. Here's a description of each jumper's function:

01 Chain dividers
Put the jumper cap on to get divider 2 clocked by divider 1.

02 Reset as IN 2
RST input acts as CLK input for divider 2.

03 Auto Reset
Divider 2 resets divider 1.

04 Trigger/Gate 01
Divider 1 produces half period gates instead of triggers.

05 Trigger/Gate 02
Divider 2 produces half period gates instead of triggers.

Pulp Logic Power IN
Solder a Futaba J power cable on here.

Specifications

Size	Input range
14 HP	0 - 5v
Depth	**Output range**
22 mm	0 - 5v
Current Draw	
10 mA @ +12V	● www.shakmat.com
0 mA @ -12V	
0 mA @ +5V	

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