



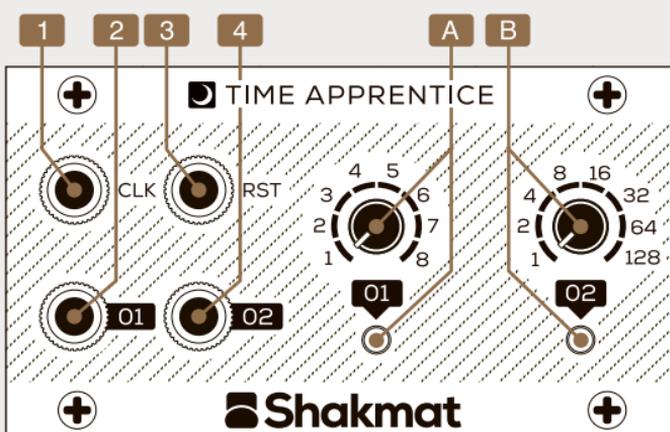
# Shakmat Time Apprentice

• 1U/14HP Eurorack Module • Built & designed in Belgium • [www.shakmat.com](http://www.shakmat.com)

## 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
- 2 Output 1
- 3 Reset in
- 4 Output 2
- A Divider 1 & Activity LED
- B Divider 2 & Activity LED

## About

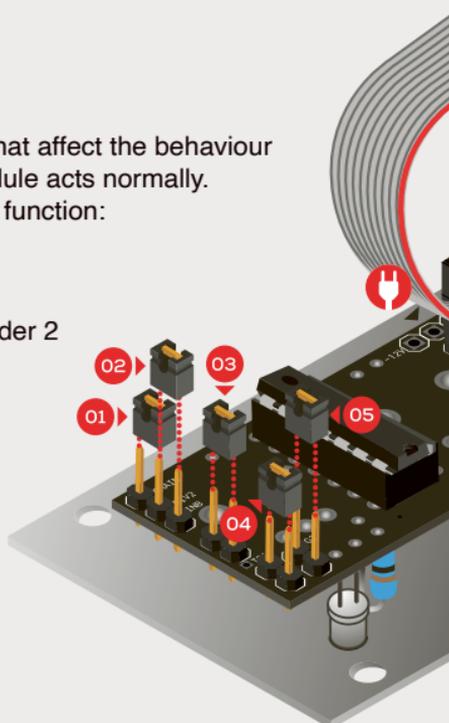
The Time Apprentice is a compact dual settable clock divider. The dividers have their own set of divisions - perfect for applications such as clocking and resetting sequencers, syncing pingable modulation sources or triggering events. A series of settings at the back of the module allows for personalisation 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	14 HP	Input range	0 - 5v
Depth	22 mm	Output range	0 - 5v
Current Draw	10 mA @ +12V 0 mA @ -12V 0 mA @ +5V		

• [www.shakmat.com](http://www.shakmat.com)

