

# Shakmat – Time Wizard

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- [Manual PDF](#)
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[Official Manual PDF](#)

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## Shakmat Time Wizard – Cheat Sheet

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### Overview

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- 8 HP digital clock divider and logic module for Eurorack
  - 6 **dividers** (A1-A3, B4-B6), each with activity LED and selectable division settings
  - 4 **three-way switches** for advanced signal routing, multiplicative/divider logic, and resets
  - Enables creation of polyrhythms, odd time signature sequences, and complex clocking
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### Inputs & Outputs Reference

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| Label        | Type  | Description                                      | Voltage Range |
|--------------|-------|--|---------------|
| CLK (1)      | Input | Main clock input                                 | 0–5V trigger  |
| RST/IN B (2) | Input | Reset input (default) or independent clock for B | 0–5V trigger  |

| Label               | Type   | Description                         | Voltage Range |
|---------------------|--------|-------------------------------------|---------------|
| A1, A2, A3<br>(E-G) | Output | Dividers 1–3 outputs (activity LED) | 0–5V trigger  |
| B4, B5, B6<br>(H-J) | Output | Dividers 4–6 outputs (activity LED) | 0–5V trigger  |

**Outputs 5 & 6 can optionally output half-period gates** (jumper on back).

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## Front Panel Controls

| Control              | Function  |
|----------------------|---|
| <b>A. Multiply A</b> | Multiplies clock to A1-A3 by ×3 or ×4 (upper = off)   |
| <b>B. Clock B</b>    | Selects clock source for B4-B6:<br>• Upper: normal (same as main clock)<br>• Mid: B4 clocks B5/B6 (chained)<br>• Lower: RST/IN B (2) is independent clock for B4-B6 |
| <b>C. Logic A2</b>   | Adds logic to A2 output:<br>• Upper: off<br>• Mid: A2 AND B5<br>• Lower: A2 OR A3   |
| <b>D. Reset B6</b>   | B6 resets:<br>• Upper: off<br>• Mid: resets A1-A3<br>• Lower: resets all dividers   |

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# Usage Guide

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## Basic Operation

1. Connect your clock (0–5V) to **CLK IN [1]**.
2. Use **A1-A3** and **B4-B6** outputs for divided clock signals. Division ratios set by potentiometers.
3. Optionally connect **RST/IN B [2]** to externally reset all dividers.

## Advanced Modes (Switches)

- **Multiply A:** Multiplies main clock for A channel (A1-A3) by 3 or 4 for complex decompositions (e.g., triplets, odd divisions).
- **Clock B:** Lets you:
  - Chain divisions (B4→B5→B6)
  - Use a different clock for B4-B6 (independent rhythms/polyrhythms)
- **Logic A2:**
  - Create composite rhythms with A2 & B5 (half periods) or A2 | A3 (sequencing tricks)
- **Reset B6:**
  - Use B6 as a reset signal for A only or both sections for structured patterns.

## Back Panel Jumper

- Activates “half-period gates” (longer gates instead of triggers) for B5 & B6 outputs.
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## Electrical Specs

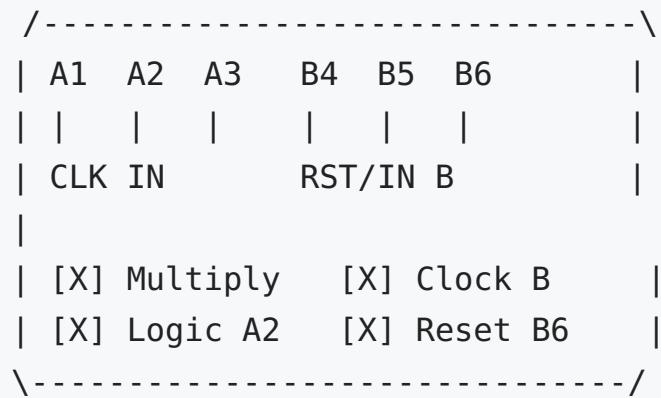
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|         |                                    |
|---------|------------------------------------|
| Power   | 20mA @ +12V, 0mA @ -12V, 0mA @ +5V |
| Signals | Inputs & outputs: 0–5V trigger     |

|       |                                    |
|-------|------------------------------------|
| Power | 20mA @ +12V, 0mA @ -12V, 0mA @ +5V |
| Depth | 22 mm                              |

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## Quick Reference Diagram



## Useful Links

- [Official Manual PDF](#)
- [Generated With Eurorack Processor](#)