

TAKAAB – Odd Clock Divider

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[TAKAAB OCD - Odd Clock Divider Manual](#)

TAKAAB OCD Odd Clock Divider – Cheat Sheet

Module Quickstart

- **Type:** Clock Divider (Odd and uncommon divisions)
- **Width:** 2HP
- **Power:** Standard eurorack power

How It Works

- Input a clock (2.5V–10V, up to 10KHz); module outputs divided clocks at 1/3, 1/5, 1/7, 1/9, and 1/10 (or by jumper: 1/3, 1/5, 1/7, 1/6, 1/10).
 - All output clocks are 6V signals, 50% duty cycle, rounded down to the nearest pulse.
 - Reset input or button restarts all divided clocks to the first step.
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Panel Controls & Connections

Jacks

Jack	Type	Function	Voltage Range
CLOCK IN	Input	Main clock input for division	2.5V–10V, up to 10kHz
RESET	Input	Resets outputs to first pulse (trigger/gate/up-edge)	2.5V–10V, up to 10kHz
1/3 OUT	Output	Outputs clock divided by 3 (HIGH:LOW = 1:2 for 1/3)	6V
1/5 OUT	Output	Outputs clock divided by 5 (1:4)	6V
1/7 OUT	Output	Outputs clock divided by 7 (3:4)	6V
1/9 OUT*	Output	Outputs clock divided by 9 (4:5) (*see jumper note)	6V
1/10 OUT	Output	Outputs clock divided by 10 (5:5)	6V

* By internal jumper, the 1/9 out can be set to 1/6 (ratio 4:2 HIGH:LOW).

Panel Controls

Control	Type	Function
RESET Button	Button	Manually resets all outputs to initial state

Internal Jumpers/Headers

- **1/9 to 1/6 Jumper:** Onboard jumper changes 1/9 output to 1/6 (4:2 HIGH:LOW).
 - **Normalize Headers:** 2-pin headers for chaining CLOCK IN/RESET signals between O/ECD modules (use Dupont jumper cable, one included).
 - **Chained Reset:** Header for linking an adjacent unit's reset with the manual RESET button.
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Usage Tips

- For clock divisions not covered by common modules (odd/prime/polyrhythms).
 - Use the RESET input/button to keep multiple dividers in musical sync.
 - Chain with Takaab UXS for front-panel jumper control.
 - All outputs are pulse (square) at 6V max.
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Signal Reference Summary

- **CLOCK IN:** 2.5-10V, up to 10kHz, rising edge triggers.
 - **RESET IN:** 2.5-10V, up to 10kHz, rising edge resets.
 - **All OUTs:** 6V, square, 50% duty except 1/6 (4:2).
 - **Manual RESET:** Button for instant sync.
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