MuDi

USER MANUAL

BEACO

THANKS FOR PURCHASING A MODULE FROM BEFACO!

BEFORE YOU PLUG THIS MODULE IN…

1. Disconnect your cabinet from the mains.

2. Triple-check the power cord polarity. The coloured line on the cable (pin number one) is the -12V rail.

3. If you plug the module backward, you might burn it out; unfortunately, the warranty does not cover this.

4. If you have any questions about this product, feel free to contact us support@befaco.org

WHAT IS MuDi?

MuDi is a Clock Multiple, Trigger conditioner, and Divider in a compact 2HP format.
Distribute your clocks throughout your system using minimal rack space.
The first three outputs maintain the same frequency as the input, while outputs 4 to 7 provide time divisions of 1/2, 1/4, 1/8, and 1/16.
The active topology allows you to patch clocks on the fly, avoiding the tempo interruptions that can occur with passive multiples.
To reduce the footprint, the input is a TRS jack, with the clock signal on the tip and the reset on the ring. For standard clock-only operation, use a regular mono cable, or use the provided splitter to access the reset function.

FEATURES

- IN Accept any pulse greater than 2V.
- Scale all clocks to 10V.
- Accept audio range square waves for suboctave generation.
- 7 Outs: 3 conditioned copys + 4 quadratic divisions.

CONTROLS

1. CLOCK AND RESET IN:

This is a TRS jack with the clock signal on the tip and the reset on the ring. For clock-only operation, use a regular mono cable. Use the provided splitter cable to access the reset function. The Clock is on the tip of the jack (Black color connector on the splitter cable), and the Reset is on the Ring (Red color jack on the splitter cable)
Any pulse-like signal at the input will be scaled to 10 volts at all outs. Non-square-shaped signals will be converted to pulses by the internal comparator, which considers any signal that exceeds 2 volts as positive.
A rising edge at the Reset IN will reset the counting to the initial state.

2. MULT OUTS:

These tree jacks output clocks of the same frequency as the IN, scaled to 10 volts and buffered.

3. DIVISION OUTS:

These 4 jacks provide time divisions of 1/2, 1/4, 1/8, and 1/16 of the frequency present at the CLOCK IN (1)

SPECS AND CREDITS

Current needs: +12V: 60mA, -12: 0mA, 5v: 0

Width: 2 HP

Depth: 30 mm assembled version - 35 mm DIY version

Designed with care and love by the Befaco Team in Barcelona - 2025