

Tubbutec — 6m0d6

- [Manual PDF](#)
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Certainly! Here's a concise **cheat sheet** for the **LPZW & Tubbutec 6m0d6 Eurorack Drum Module** based on the manual you provided. This guide covers essential usage, controls, inputs/outputs, and voltage ranges.

[6m0d6 User Manual \(Official PDF\)](#)

6m0d6 Quick Reference Cheat Sheet

Overview

- 7 Analog Drum Voices: Bass Drum, Snare Drum, Low Tom, High Tom, Cymbal, Open Hihat, Closed Hihat
 - Enhanced parameter set for each drum (beyond classic TR-606)
 - **CV + MIDI control, Dynamic triggers**
 - Individual outs and mix out
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Inputs and Outputs

Instrument Triggers

- **7 x Trigger Inputs** (BD, SD, LT, HT, CY, OH, CH)
- **Voltage:** 1V to 15V
- Trigger > 1V = fire drum

- Individual instrument can be patched or normalized from LINK/MIDI

Accent Section

- **Accent Amount (AC.AMT)**
- **CV input:** 0V to 5V (acts as gain/attenuator for instrument when accent ON)
- **Accent Gate**
- **Gate input:** On/Off (normalised to ON, can be set to OFF via config)
- **Accent Amount Knob**
- Manual accent/gain control if jack unpatched

Decay CV Inputs

- **SN.Dec, CY.Dec, HH.Dec**
- CV decay control for Snare, Cymbal, and Hihats
- **Bipolar:** -5V to +5V

Noise / Metal Modulation

- **Noise Tune CV:** (controls lofi/bit-crush character or noise tuning)
- **Metal Tune CV:** (1V/oct compatible, plays metal layer chromatically)
- **Metal Spread CV:** +/-5V (detune spread between the 6 oscillators)

LINK Input

- **Tubbutec 6sequencer** connectivity for direct triggering & accenting via back panel LINK

MIDI IN

- **TRS MIDI A & B** (autodetect)
- Drum triggers on Channel 10 (see mapping table)
- Accent: Velocity 127 or note 34/A#1 held

- Velocity < 64: shorter pulse (lower volume), more dynamic
- Can play "metal" voice as 6-voice synth via Channel 1

Outputs

- **7 x Individual Outs:** (BD, SD, LT, HT, CY, OH, CH)
 - Patch cable here removes drum from Mix Out
 - **1 x Mix Out:** summed signal of all drums not patched individually
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Front Panel Controls

Global / Shared

- **Accent Amount Pot**
- **Accent Gate Jack**
- **Accent CV Jack**
- **Mixer Out**
- **CY.Pulse Button:** Toggles cymbal pulse shaping / enters config menu (hold 3+ sec)

Instrument Parameters (*per drum, varies by voice*)

- **Tune** (BD, SD, LT, HT, CY)
- **Tone/Body** (BD, CY)
- **Decay** (BD, SD, LT, HT, CY, OH, CH)
- **Click** (BD)
- **Snappy** (SD)
- **Noise Source** (*Switch: Noise, Metal, XOR*) (SD, CY, HH)
- **Metal Tune, Metal Spread** (CY, HH)
- **Pulse Shape Select (CY/Pulse Button)** - disables pulse shaping for CY to allow "drone/string" sounds

Hihat & Cymbal Specials

- **Swap:** Inverts Open/Closed hihat order
- **OH.Decay, CH.Decay**

- **CY.Pulse:** enables/disables trigger length gating

Tom Specials

- **HT Tune, LT Tune**
- **Sub Tom:** drops LT by 1 octave (toggle)
- **Noise Amt:** alters reverb (noise-based)

Config Menu

- Enter: Hold **CY.Pulse** button 3 seconds
- Accent Gate Normalization: Use **M.Tune knob** (left=OFF, right=ON)
- Exit: Press **CY.Pulse** again (config saved)

MIDI Trigger Reference

Drum	MIDI Note	Voice
Bass Drum	35 (B0)	BD
Snare	38 (D1)	SD
Low Tom	45 (A1)	LT
High Tom	50 (D2)	HT
Cymbal	49 (C#2)	CY
Open Hihat	46 (A#1)	OH
Closed Hihat	42 (F#1)	CH
- Accent: Note 34 (A#1) or velocity 127		

Metal Synthesis: MIDI Channel 1, play up to 6-note chords on CY/HH/SD metal source

Voltage Ranges Recap

- All CV & modulation inputs: -5V to +5V (survives up to +/-12V)
 - Trigger/Accent Inputs: 1V to 15V
 - Accent Amount: 0V–5V
 - Metal Tune: 1V/oct compatible
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Quick Tips

- CV all "tune/decay/spread" parameters for evolving, expressive rhythms
 - Plug individual outputs to isolate sounds; unplug for MIX OUT
 - MIDI for deep, velocity-sensitive control; external CC for parameter automation
 - Use Metal and XOR noise sources for highly experimental timbres
 - Hold CY.Pulse for config, adjust M.Tune knob for Accent Gate norm
 - Play chords on MIDI Ch.1 for metallic 6-voice pseudo-synth sounds
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Full Manual & More:

[Read the official PDF manual \(tubbutec.de\)](https://tubbutec.de)

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