

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 6equencer** 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)
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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)
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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 \(tubbutec.de\)](http://tubbutec.de)

[Generated With Eurorack Processor](#)