Toadstool Tech — Ectocore

• [Manual PDF](#)

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Ectocore Cheat Sheet

A reference and performance guide for the **Ectocore** eurorack sample FX sequencer by Toadstool Tech x infinitedigits.

Jacks: Input & Output Summary

Jack	Type	Voltage Range	Function
Output L	Audio Out	Typical eurorack	Main left audio output
Output R	Audio Out	Typical eurorack	Main right audio output
CV Inputs	CV In	0V−5V †	Modulates various parameters (see below)
Output	Trigger	0-5V (standard)	Trig output (configurable trigger events)
Clk Out	Clock	0-5V (standard)	Clock output

Jack	Type	Voltage Range	Function
Clk In	Clock In	0-5V (standard)	External clock input

† (unless otherwise specified)

Front Panel Controls

Knobs

Control	Function
Break	Controls FX density. Up = more frequent FX, scoped to current Grimoire selection.
Grimoire	Selects active FX group: each glyph determines which subset of the 16 FX can be active.
Sample	Selects currently playing sample within the current bank. LED ring indicates selection.
Bank	Selects active sample bank (16 available). Hold **Bank + Sample** for quick bank select.
Amen	Controls random slice-looping (Turing machine-style). Left = sequential, right = max random. 1–16 steps; LED ring shows step count. Full right: new loop pattern per cycle w/ FX fill. Reroll pattern by turning fully right then back.
Amen Attenurandomizer	Left = random chaos; right = predictable (closer to playhead). When CV is patched, attenuates/randomizes incoming CV signal.

Buttons

Button	Function
Tap Tempo	Set internal clock tempo (double-tap). When clocking externally, acts as reset. Also used as a shift function with other controls.
Clock Mult/Div	Tap to multiply (faster); hold to divide (slower) the clock.

Advanced / Combo Functions

- **Tap + Break:** [Special function, not detailed in this image]
- **Tap + Amen:** [Special function, not detailed in this image]
- **Tap + Sample:** [Special function, not detailed in this image]

Other Features

- **Trig Output Modes**: Cycle trigger behaviors via the Trigger Mode (details not described here — refer to full manual).
- **FX Types**: 16 total; grouped by Grimoire knob positions/glyphs.
- **Sample Banks**: 16, each with multiple samples addressable via Sample knob.
- **LED Ring**: Displays sample selection and, for Amen, step count.

Typical Patch Example

1. Patch **Audio Output L/R** to mixer/interface.
2. Send clock to **Clk In** *(0-5V Eurorack clock)* or tap tempo.
3. Use **Grimoire** to choose FX group, **Break** to set FX density.
4. Select bank/sample; dial in **Amen**/**Amen Attenurandomizer** for looping effects and randomization.
5. Utilize **CV inputs** to modulate parameters for hands-off or sequenced variation.

Quick Reference Table

Function	Where	Notes
Audio Out	Output L/R	Left/Right channel out
CV Mod	CV Inputs	See Amen Attenurandomizer for dynamic randomization
Trig Out	Output	Assignable via Trigger Mode
Clock Out	Clk Out	Pulse per beat/event
Clock In	Clk In	Accepts 0–5V clock, tap for manual tempo/reset
FX Density	Break knob	More = busier FX
FX Group	Grimoire knob	Glyph determines which FX subset is active
Sample #	Sample knob + LED ring	Instant selection
Bank #	Bank knob, hold w/ Sample	16 total
Slices/Loops	Amen knob	Turing loop control, LED ring = 1–16 steps
Randomness	Amen Attenurandomizer + CV	Chaotic left, tamer right, also attenuates CV input
Clock Multi/ Div	Clock Mult/Div button	Tap for multiply, hold for divide
Combo Fn.		

Function	Where	Notes
	Tap + (Break/Amen/Sample)	See manual for "super cool" extras

For deeper dives (including CV routings, external sample management, and bonus functions) **consult the full PDF manual**.

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