

BASTL CITADEL

Fortress of Modular Magic

The CITADEL is a Eurorack reimagination of the popular Kastle 2 semi-modular desktop device. The CITADEL comes with a full 3.5mm patch bay that offers the flexibility needed in the eurorack format while maintaining the strengths of the Kastle 2 allowing it to stand on its own, and yet let it truly shine when patched with other modules. We've also added switches for hands-on control of the pattern generator.

The Citadel provides the basic infrastructure needed to integrate eurorack systems within the context of electronic music making: headphone output, TRS MIDI input and sync, tempo generator with divider/multiplier, USB MIDI (from the back of the module), stereo mixing, integrated LFO and Pattern generator and effects. All that makes it the perfect module for smaller and beginner systems while the fun and unique creativity of the Kastle 2 firmwares: the FX WIZARD multi-effect processor and WAVE BARD sample player will earn its place in larger setups.

For those who want to explore Citadel's secrets and tunes – the newest Bastl Eurorack module can be theirs for a very accessible price of 235 Eur excluding VAT and approximately 280 Eur with VAT (based on your location).

The Citadel comes equipped with a reversible front panel with WAVE BARD on one side and FX WIZARD on the other side. It also comes with our custom designed tool to make the panel switching as seamless as possible. You can load and try different Citadel/Kastle 2 present and future firmwares and updates with a USB port (on the back).

The Citadel might break a few rules of standard Eurorack design, but it does so in the name of instant musicality, fun, and effortless integration of Eurorack with other gear. The PITCH inputs on the WAVE BARD track 1V/Oct, are factory-calibrated, and there's even dedicated calibration software to ensure a perfect match with your source.

The Bastl Citadel is available now through our [B-Shop](#) and our net of [retailers](#).

[Bastl Citadel FX Wizard Product Page](#)

[Bastl Citadel Wave Bard Product Page](#)

[Bastl Citadel Press Kit](#)

[Bastl Citadel Release Video + Demos](#)

[Bastl Citadel SoundCloud Playlist](#)

BASTL CITADEL FX WIZARD

The CITADEL FX WIZARD is a eurorack module that empowers you to explore the limits of sound processing through modulation and modularity. Use 9 simple yet refined stereo effects, or go nuts with modulation and immerse in a powerful glitch and sound design heaven. Instead of navigating thru preset effects, you can craft your own unique effects with dynamic behavior using modulation. The FX WIZARD embraces happy accidents, sparking excitement with unexpected and unheard sonic transformations.

PUSH YOUR SOUND THROUGH DIFFERENT DIMENSIONS

There are three main categories of effects, each offering both finely controlled parameters and exciting extremes that you wouldn't typically find elsewhere:

- **DELAY FX family (blue/green):** Includes a clean stereo delay, a flanger with stereo chorus capabilities and some spicy extremes, and a freezer to capture and hold moments of time in a fun modular way.
- **AMPLITUDE FX family (bright colors):** Features an autopanner with ring modulation possibilities, a crunchy digital crusher with powerful feedback, and a rhythmic slicer that can create dynamic transients from any drone.
- **PITCH-SHIFTING FX family (red colors):** Contains a dirty pitcher that shifts signals up in either tonal or rhythmic patterns, a fun replayer effect that reverses audio and introduces lots of pitch-shifting artifacts, and last but not least, a nuanced shifter that adjusts the pitch up or down to achieve detuned sounds and feedback pitch slopes.

Effect parameters can be modulated using the built-in LFO or a surprisingly powerful pattern generator. For dynamic effects that respond to incoming audio (hello, ducking), there's also an envelope follower.

Each effect can widen the STEREO field by detuning some of its core, while the FILTER allows you to brighten or darken the sound. All effects react to triggers or clocks in both predictable and exciting ways.

With modulation and the right FX MODE, the gates to extreme sound design and glitch territory open wide.

FX WIZARD receives TRS MIDI and both sends and receives USB MIDI via connector on the back of the module.

CITADEL FX WIZARD FEATURES:

9 FX modes:

1. Delay	2. Flanger	3. Freezer
4. Panner	5. Crusher	6. Slicer
7. Pitcher	8. Replayer	9. Shifter

- max. delay time in stereo is 1.15s
- stereo audio processing at 44kHz/16-bits
- Time parameter with attenuverting modulation (S&H or free)
- Feedback parameter with attenuverting modulation
- AMOUNT mix with attenuverting modulation
- FILTER in the feedback with Lowpass/Highpass
- STEREO detuning for each FX MODE
- FX MODE cv input with attenuation to change modes with CV
- TRIG input to synchronize effects with tempo
- LFO with triangle and pulse output, reset input, attenuverting modulation, synced or free
- Tempo Generator with tap tempo and divider with external clock
- Pattern Generator (tempo synced) with GATE and CV output and patch programmability
- patchable envelope follower
- stereo eurorack-level DC coupled input with input gain (up to +12db), accepts up to -10V to + 10V
- DC coupled stereo eurorack-level output, -5V to +5V
- stereo headphone output capable of driving headphones up to 250 Ohm
- analog sync input
- analog sync output
- TRS MIDI Input (clock, notes, CCs, pitch bend)
- USB-C on the back of the module (firmware updates, USB MIDI in/out)

BASTL CITADEL WAVE BARD

The Citadel Wave Bard is an experimental, stereo sample player eurorack module that empowers you to discover new rhythms and riffs through modulation and modularity.

Don't make beats, let them naturally emerge! The Citadel Wave Bard is a semi-autonomous companion that keeps surprising you with fresh ideas. Get instant inspiration from the carefully crafted factory sound bank by Oliver Torr, or load your own samples and remix on the fly.

All main parameters can be modulated and tightly sequenced by the surprisingly powerful CV and GATE pattern generator. Create groovy off-grid beats using the built-in LFO, which can be synced, reset, or left to run freely.

Samples are organized in banks, which can be selected and sequenced using knobs or CVs from the built-in pattern generator and LFO. You can reverse your sounds with the LENGTH knob and the Wave Bard's unique reversing envelope.

It's not just about the beats – play melodic samples in quantized scales, and spice up the sound with built-in filter, delay or chorus/flanger effects. You can load not only your own samples, but also rhythms and scales with the [web-based app/editor](#).

Citadel Wave Bard is not just a sound box—it's a powerful MIDI controller and sequencer when connected via the USB port on the back of the module. Send finely curated USB MIDI data to your DAW or USB MIDI device, and discover new ways of playing and interacting through a modular interface.

CITADEL WAVE BARD FEATURES

- 8 samples per bank (adjustable from 3 to 32 samples in the editor)
- 6 factory-loaded banks (up to 32 banks in the editor)
- user samples can be loaded via web app
- 89s sample limit (mono), 44s (stereo) at 44kHz, or combination
- even more sample time available at lower sample rates
- stereo audio processing at 44kHz/16-bits

- PITCH knob with range of ± 2 octaves (4 octaves total)
- PITCH MOD attenuverter knob for modulating pitch
 - NOTE input: quantized pitch with selectable scales (updates on trigger)
 - FREE input: continuous, unquantized pitch modulation
 - user-defined scales ([via web app](#))
 - BANK+PITCH MOD to change quantizer scale
 - BANK+SAMPLE MOD for root note adjustment
 - BANK+LFO MOD for fine tuning
 - BANK+PITCH to change and preview octave

- SAMPLE knob to select 1 of 8 samples
 - hit the SHIFT button to trigger the selected sample
 - TRIGGER input to trigger sample playback
 - SAMPLE MOD input with attenuation and two modes:
 - PLAY: CV modulation directly trigger samples
 - CUE: CV aims at samples and playback waits for TRIGGER
- BANK input with attenuation to change sample banks with CV
- LENGTH envelope knob
 - turn right to set decay
 - turn left to reverse samples and add attack
 - during attack, samples don't retrigger
 - LENGTH MOD input with attenuverter
 - LENGTH MOD updates only at trigger
 - patchable ENV output of the envelope
- stereo delay or chorus/flanger FX
- resonant FILTER with Lowpass/Highpass modes
- LFO with triangle and pulse output, reset input, attenuverting modulation, synced or free
- Tempo generator with tap tempo, divider, and external clock input
- Pattern generator (tempo synced) with GATE and CV output, patch-programmable
- GATE generator contains user-programmable RHYTHM patterns
([via web app](#))
- stereo eurorack-level DC coupled input with input gain (up to +6db), accepts up to -10V to + 10V
- input can be mixed at the output or run thru the built in effects
- DC coupled stereo eurorack-level output, -5V to +5V
- stereo headphone output capable of driving headphones up to 250 Ohm
- analog sync input
- analog sync output
- TRS MIDI Input (clock, notes, CCs, pitch bend)
- USB-C on the back of the module (firmware updates, USB MIDI in/out, uploading samples)

TECHNICAL DETAILS

- 16 HP
- PTC fuse and diode protected 10 pin power connector
- 24 mm deep
- current consumption: +12 V: <60 mA (w/o headphones), <90 mA (w/headphones to max); -12 V: <20 mA
- Input Ranges:
- FREE IN and NOTE IN -0.2V to 7V
- CLK IN, RESET IN, C IN, G IN 0V to 5V
- LFO MOD, MODE/BANK IN, FBK/SAMPLE IN, AMOUNT/LENGTH IN, LFO RESET, TRIG IN: -5V to +5V
- L/R IN: -10V to +10V
- Output Ranges:
- CLK OUT, ENV OUT, CV OUT, LFO TRI OUT, LFO PULSE OUT: 0V to +5V
- L/R OUT -5V to +5V
- Headphone output 2Vpp (line level compatible)