Crypta

Ritual Electronics
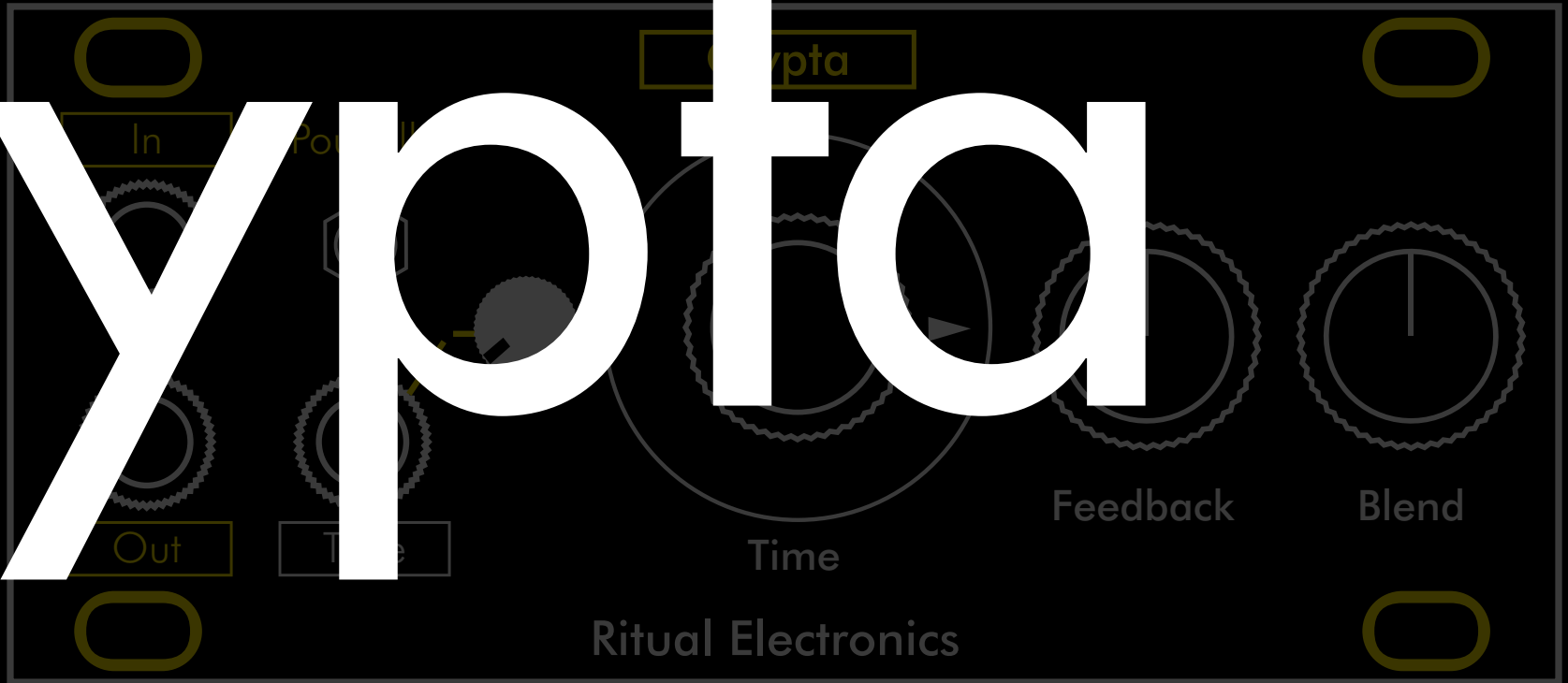
Summary

Thank you for purchasing Ritual Electronics Crypta.

Your module has been assembled with care in our studio in the heart of Provence, France.

You can find your module on Modulargrid:
https://www.modulargrid.net/e/ritual-electronics-crypta

For any remarks and informations, contact us at:
contact@ritualelectronics.com

For video demos and patch ideas check:
https://www.instagram.com/ritualelectronics/

Limited warranty

Ritual Electronics warrants this product to be free of defects in materials or construction for a period of one year from the date of purchase.

Malfunction resulting from wrong power supply voltages, backwards or reversed eurorack bus board cable connection, abuse of the product or any other causes determined by Ritual Electronics to be the fault of the user are not covered by this warranty, and normal service rates will apply.

During the warranty period, any defective products will be repaired or replaced, at the option of Ritual Electronics, on a return-to-Ritual Electronics basis with the customer paying the transit cost to Ritual Electronics. The return of your module is on us.

Ritual Electronics implies and accepts no responsibility for harm to person or apparatus caused through operation of this product.

Installation

Always turn your eurorack case off before plugging
or unplugging a module.

Do not touch any electrical terminals when attaching any
Eurorack bus board cable.
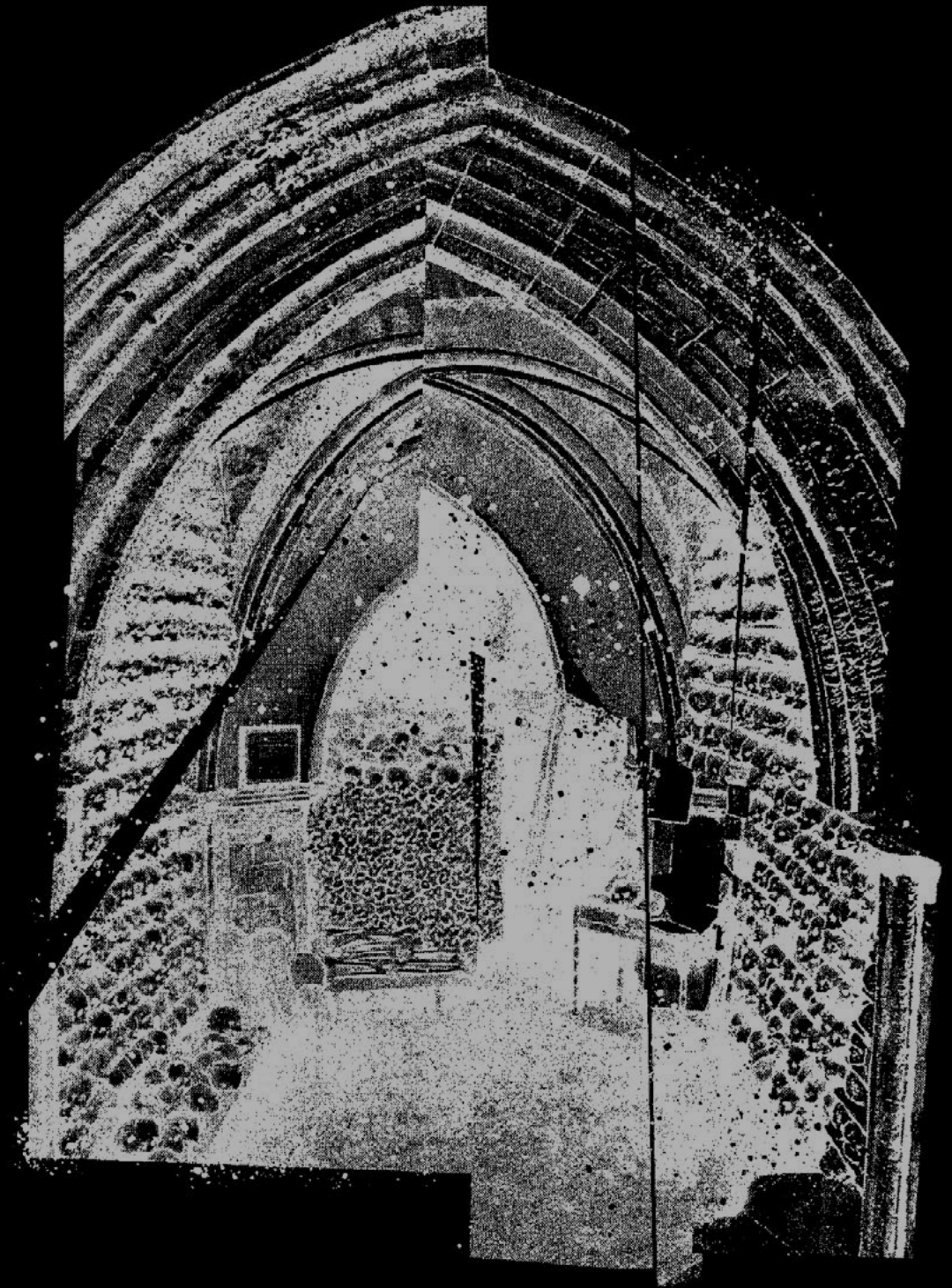
Ritual Electronics Crypta requires:
    mA on +12V
    mA on -12V
    0mA on +5V
These are the absolute maximum ratings we got with
intensive use.

You will need 18HP of free space in your 1U row to install
Crypta. The module is available only as Intellijel 1U format.
The module is 25mm deep.

Overview

It can reflect, it can smear, it can resonate, it can dub, it can noise, it can no-input.

Crypta is a powerful 1U Eurorack delay module, designed to bring complex, immersive echoes to your modular setup. Built around the revered PT2399 chip, it delivers warm, lush delays with a vintage character, perfect for adding depth and atmosphere to any patch. With intuitive controls for delay time, feedback, and mix, Crypta allows for smooth adjustments, whether you're aiming for subtle short resonator-like repeats, dramatic, cascading echoes or full on broken noises.

Crypta has a "Poubelle" switch. Means "trash" in French. In middle position you have your regular delay. To the left and to the right you get two flavors of broken. Circuit bending by design, similar to the Color switch which makes Guillotine so great.

Controls

- Time knob (slowest CCW - fastest CW)
- Time CV with attenuator (0-5V shortens the delay)
- Feedback knob
- Blend knob (dry/wet balance)
- Poubelle switch (two circuit bending modes)

Technical characteristics

- PT2399 based
- 30ms to nearly 4s delay

Electrical characteristics

- 34 mA +12V
- 6 mA -12V
- 0 mA 5V

Dimensions

- 25 mm deep
- 18HP large
- 1U Intellijel format

Poubelle switch
Middle position = no bending
Up & down positions = BENT

Feedback knob
Injects the delayed signal back into the
input. Auto oscillates from 4 to fully CW

Input
10Vpp audio input
Louder will distort

Output
Audio output

Blend knobs
Dry signal CCW
Wet signal CW

Crypta

In

Poubelle

Out

Time

Time

Feedback

Blend

Ritual Electronics

Time CV Input + Attenuator
0-5V CV range
CV is added to the Time pot position

Time knob
Longest delay time (~4s) CCW
Shortest delay time (~20ms) CW
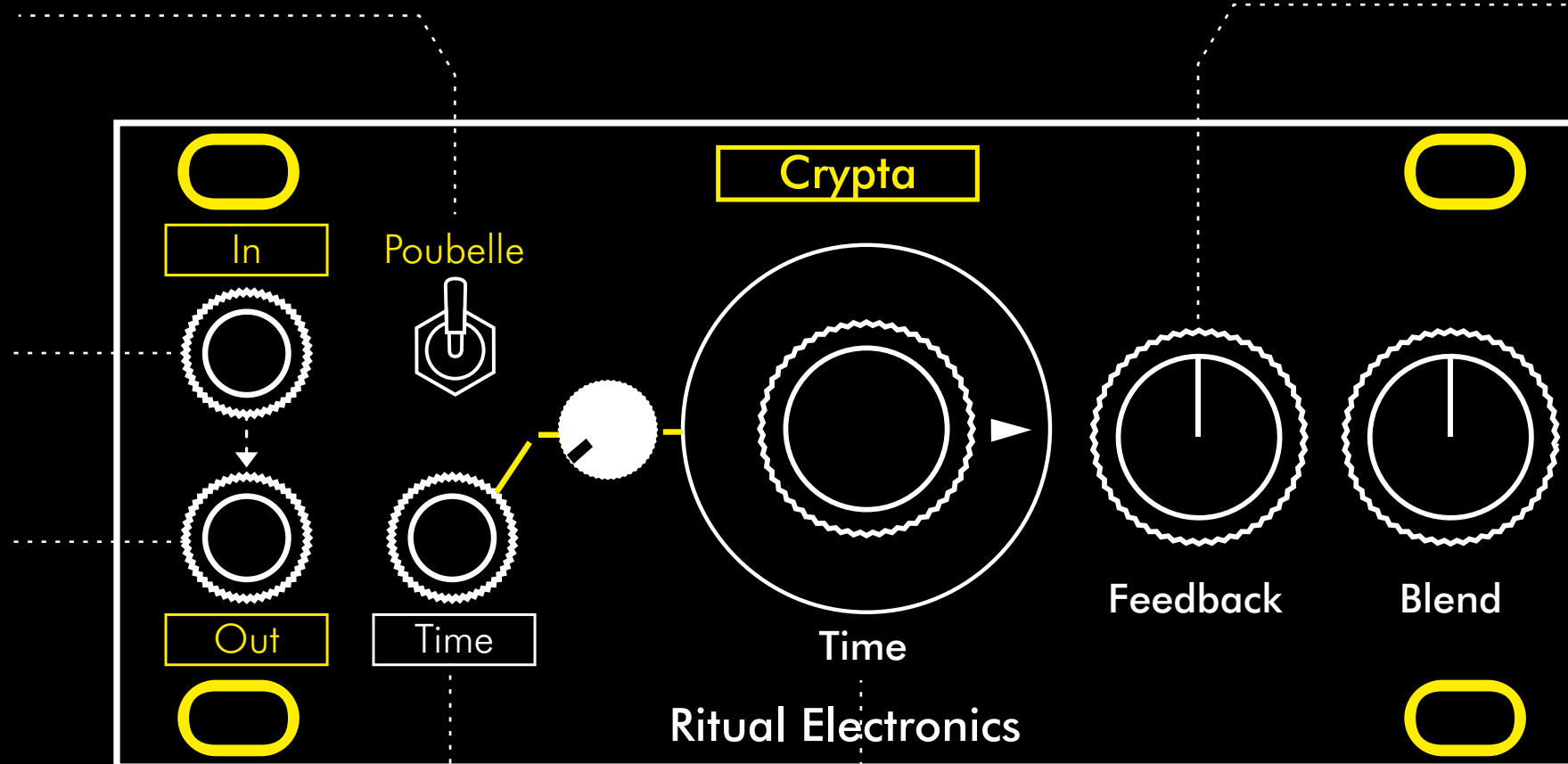
PT2399?

The delay is based on the widely used PT2399 chip— an analog/digital hybrid originally designed for karaoke effects…

This chip has a unique character. Short delay times are clean, but the longer they get, the dirtier they become. Typically, designers cap the maximum delay at around 400ms. We pushed it to 4 seconds—for the grittiest, most degraded delay possible. This might be the longest PT2399 delay ever available in a commercial module.

At the other end of the spectrum, we also wanted to explore very short delays. Without modulation but with feedback, they enter resonator territory. Add modulation, and you get chorus, tremolo, and flanger effects.

The PT2399 is highly flexible—filtering is left to the designer. A common approach is to use low-pass filters to tame its naturally high noise floor, resulting in dark, lo-fi delays, which are popular in guitar pedals. Crypta, however, is more open. There's some low-pass filtering, but it remains airy.

At short delay times, the sound is clean and beautifully washed-out. At longer times, the quirks of the digital RAM take center stage, adding a unique fuzziness.

The PT2399 is a great alternative to Bucket Brigade Delays, offering a distinctly analog character— especially when modulated.

Poubelle

Filth is our game. Sometimes, we have to resort to questionable methods… like circuit bending.

We're not a part of the circuit-bent toys culture, but we can't resist pushing our designs into grittier, nastier territory. Once a circuit works exactly as intended, that's when the real fun begins—breaking the rules. If an experiment doesn't wreck everything, it might just make it better.

The Poubelle switch has three positions. In the middle, everything stays clean—no bending, just the normal sound. In the top and bottom positions, two parts of the circuit that were never meant to meet suddenly collide, unleashing wild, unpredictable sounds.

The effect of Poubelle is heavily influenced by the Time and Feedback settings. Be careful—flipping the switch can cause a significant volume boost depending on your setup.

Worship the noise. Protect your ears. <3

Poubelle you said?
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Poubelle means trashcan in French.
That's how the circuit bending sounds. Like trash.
Delicious fuzzy and loud trash.

No input

You don't even need an input—between all this feedback and Poubelle crunch, Crypta is a brutal noise generator on its own.

As always with our modules, experiment with feedback patching. Send the output to the CV In, or route it back into the Input for double the chaos. Try placing a filter, a distortion, or even another Crypta between the output and input.

Flip the Poubelle switch up and down and let the noise wash away your sins.

More of this in the Patch ideas section below.