Raijū Quickstart

ABOUT RAIJU

Inspired by **Buchla**'s modular environment, where multiple different functions are often combined into a single module to improve their functionality and integration without adding much complexity, **Raijū** is a 8HP analog **Low Pass Gate** + digital **Envelope Generator**combo module, with lots of tricks under his sleeve, thanks to the tight integration between the two **submodules**.

A (not so) hidden digital wavefolding oscillator is normalized to the LPG input, effectively rendering the module a **standalone percussive voice**.

The Wifi-enabled processor enables a

powerful web configurator to run directly

on the module, without the need of a



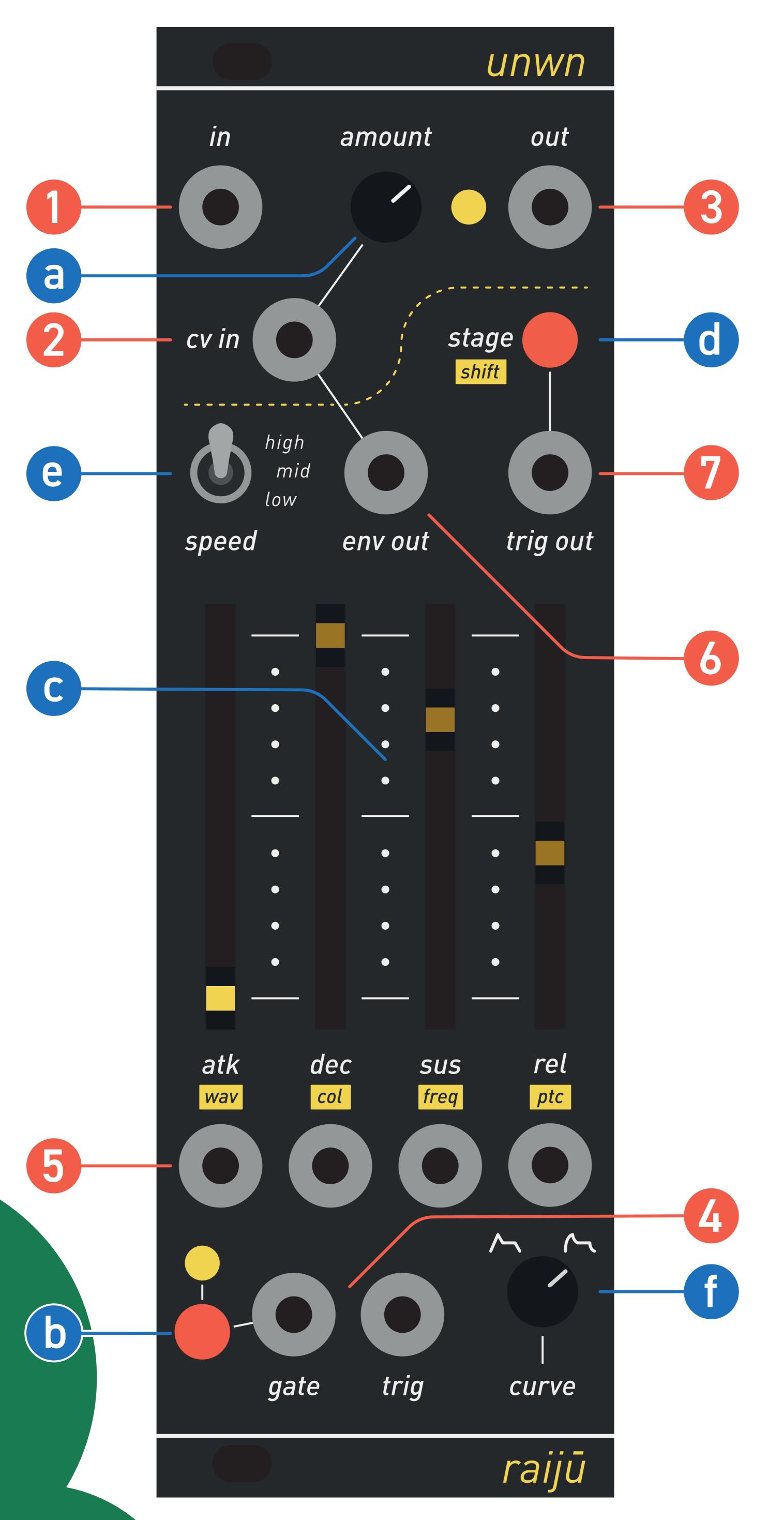
computer.







FRONT PANEL



CONTROLS

- a. LPG amount. linear attenuator for the LPG CV signal.
- b. EG manual trig. click for triggers, keep pressed for gates.
- c. Parameters sliders and multi-purpose status leds. the slides are used to edit the 8 main parameters, divided in two pages, *EG* and *oscillator*. The current page is indicated by the leds, off for EG and 50% brightness for the oscillator.



The active page can be changed using the shift modifier (see d).

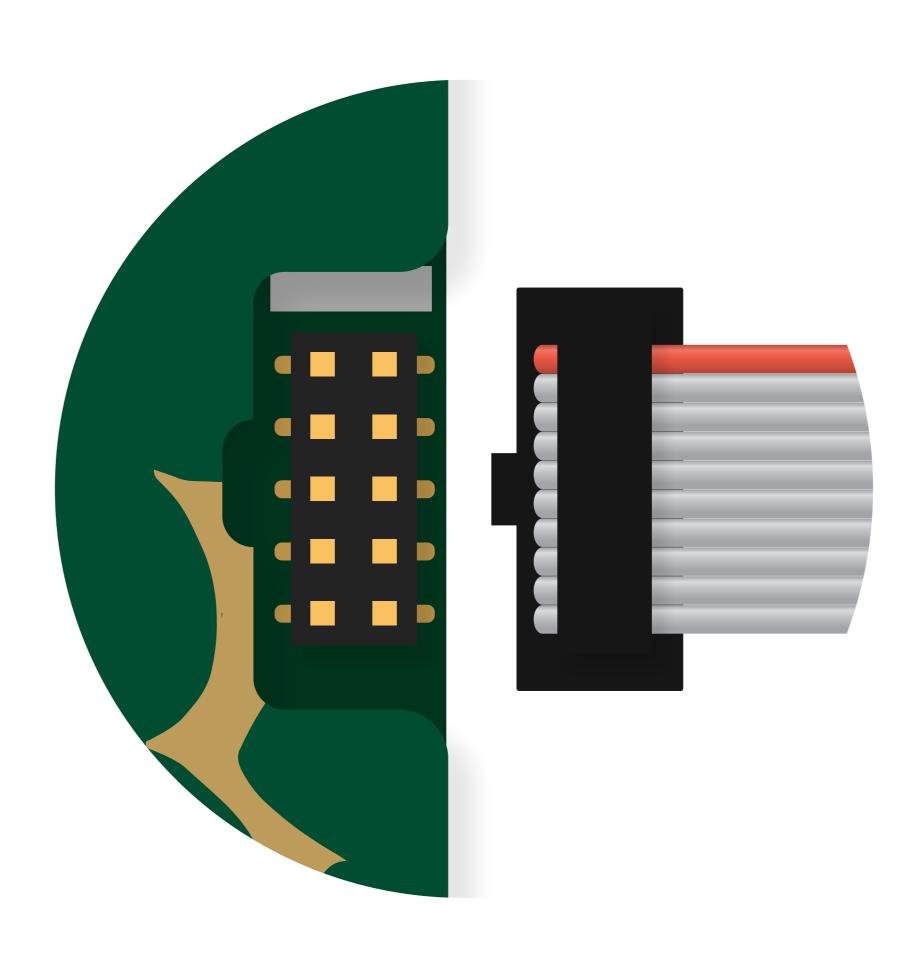
- d. Trig out stage select and shift button. Clicking it cycles through the EOS output options (*All stages, Attack, Decay, Sustain and Release*) the selected option is represented by the flashing status leds. Holding it down engages the shift modifier, switching the active parameters page. Releasing the button returns the sliders to the previous page, this is useful when you only need to quickly change parameters. To lock in the oscillator page press the trig button (b) while holding.
- e. EG Speed selector. Toggles between the envelope speed ranges, high (250ms), mid (1s) and low (100s). Toggling also saves the current configuration into memory.
- f. EG Shape potentiometer. Shape of the EG stages curve, from linear to exponential.

INs & OUTs

- 1. LPG audio input. When unplugged the internal oscillator is internally connected to the LPG.
- 2. LPG CV input. Internally connected to the envelope generator output.
- 3. LPG audio output.
- 4. EG gate & trig input. Triggers (and holds, in case of the gate input) the envelope generator as well as the oscillator pitch envelope.
- 5. CV inputs. Configurable -/+5V modulation inputs, can be individually routed to one of the two respective parameters
- 6. Envelope output.
- 7. Envelope EOS Output. End Of Stage output for the envelope.

INSTALLATION

Raijū requires a +/-12V Power supply to work.
Before plugging in Raijū's power cable make sure the red stripe (-12V) is pointed torward the top of the module and that the connector is aligned with the cutout on the back panel.



WEB CONFIGURATOR

Raijū's web configurator lives inside the module itself, and it can be accessed with a smartphone, tablet or pc to the automatically generated wifi access point (named Raiju_1). The configurator accessible at the address raiju1.local (or 192.168.1.1 if your browser doesn't support mDNS names). Raijū can also be configured to connect directly to your home wifi network. To do so, input your access point name and password into the dedicated section in the configurator and reboot the device. If, for whatever reason, the access point isn't available, Raijū will restore its access point.

SSID: Raiju_1

Password: unknowndevices

Configurator address: raiju1.local (or 192.168.1.1)

learn more at: unwn.dev/raiju

