

PAL PEDAL ADAPTATION LOOP

User Manual, 2025



About

With its **compact 4HP** design, The **PAL** (Pedal Adaptation Loop) module is a game-changer for integrating guitar pedals into your Eurorack setup. This unique module allows you to send and receive **signals in stereo** while providing the necessary **9V center negative power (up to 300mA)** needed by most guitar pedals via its built-in DC power connector.

PAL offers full stereo integration, with two **mono 3.5mm** jacks to send the attenuated Eurorack signal to the pedal via a **stereo 6.35mm** jack. A **level potentiometer** controls the volume of the returning signal, from **0dB to +20dB**, ensuring precise control over your pedal effects.

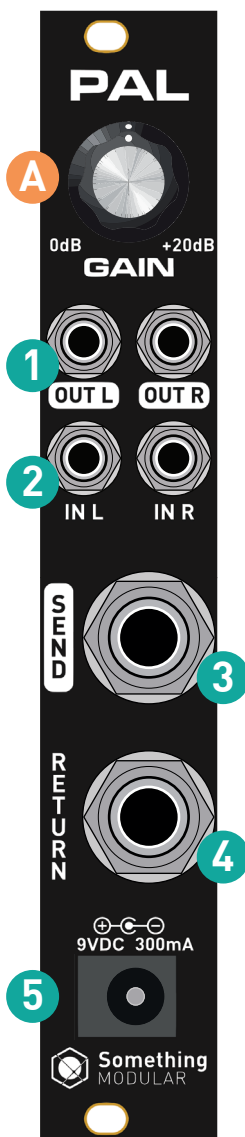
Additionally, the **resettable fuse** protects your gear from overcurrent, making it both versatile and **safe for your system**. Whether you're a seasoned pro or just getting into Eurorack, the PAL module is the **perfect bridge** between the modular world and your favorite guitar pedals.

Features

- 9V DC, up to 300mA via the built-in connector
- Potentiometer adjusts return signal from 0dB to +20dB
- Mono 3.5mm jacks (input/Output to/from Eurorack)
- Stereo 6.35mm jacks (send and return to/from pedal)
- Built-in protection for your pedal and system from overcurrent

Specifications

- Module width : 4 HP
- Module depth : 34mm
- Reversed polarity and overcurrent protection
- Power Consumption :
 - 10 mA at +12V + Pedal Power Consumption
 - 5mA at -12V



Controls

A. Return Gain Knob

This knob set the amplification of the return signal.

In full CCW position, the returning signal will not be amplified.

In full CW position, your returning signal will be amplified by up to 20dB to meet standard Eurorack signal level.

Inputs & Outputs

1. PAL Output - Eurorack Level

Left and Right Mono output at Eurorack standard level.

The gain of both outputs is variable from 0 dB to +20 dB with the Gain knob (A).

2. PAL Input - Eurorack Level

Left and Right Mono input at Eurorack standard level.

3. PAL Output - Instrument Level

Stereo 6,35mm output jack at Instrument level around -20 dBu.

- When using **TRS cable**, the Tip of the stereo jack is tied to the Left input Jack (2) and the Ring of the stereo jack is tied to the Right input Jack (2).
- When using **TS cable**, only the Left input Jack (2) can be used.

4. PAL Input - Instrument Level

Stereo 6,35mm input jack at Instrument level.

- When using **TRS cable**, the Tip of the stereo jack is tied to the Left output Jack (1) and the Ring of the stereo jack is tied to the Right output Jack (1).
- When using **TS cable**, only the Left output Jack (1) can be used.

5. Pedal Power Supply

Provides 9V DC (center negative) power to your guitar pedal, with a 300mA limit and a resettable fuse for protection.

CAUTION :The 9V is generated from the +12V rail, so remember to add the power consumption of your pedals to that power rail when planning your modular.