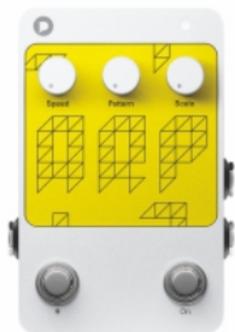


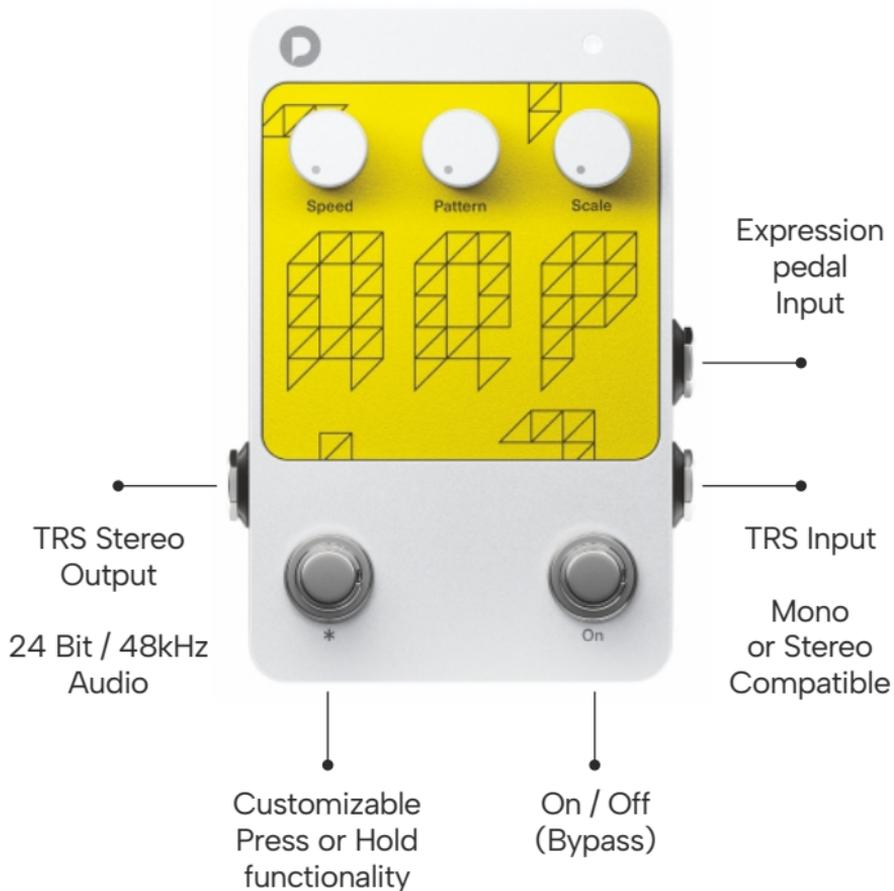


ENDLESS

QUICK START GUIDE



HARDWARE OVERVIEW



SETUP GUIDE

Power Requirements

- Endless supports **positive or negative DC 3.5 mm barrel power**.
- Minimum requirement: **9V / 200 mA**.
- For best performance, use a **high-quality isolated power supply**.

Secondary Controls (Input, Output, Mix)

Each effect provides access to three secondary parameters:

- **Input**
- **Output**
- **Mix**

To access Secondary Controls:

1. Press and hold the right footswitch.
2. Turn the potentiometer (knob) assigned to the parameter you want to adjust.
3. Release the footswitch to return to the primary control layer.

These controls are available for every loaded effect.

Mono / Stereo Input Setup

Select the input mode during startup:

- **Mono Input** › Hold the left footswitch while powering on.
- **Stereo Input** › Hold the right footswitch while powering on.

Expression Pedal Setup

1. Hold the right footswitch.
2. Then press and hold the left footswitch.
(Note: Holding the left footswitch first may enter secondary parameter mode.)
3. The LED will pulse **magenta**, indicating **Expression Setup Mode**.
4. Turn the knob you want to control with the expression pedal to assign it.

UPLOADING EFFECTS

Important: Endless can store **only one effect at a time**.

Uploading a new effect **will replace** the currently installed effect.

1. Connect Endless to a computer using the **USB-C port**.
2. The device will appear as a drive named **"Endless."**
3. Drag and drop a **.endl** file onto the drive.
4. LED status indicators:
 - **Flashing Yellow** › Effect is being installed
 - **Green** › Installation successful
 - **Red** › Installation failed
5. Disconnect the USB cable after the process is complete.

LED COLOR REFERENCE

- **Magenta (pulsing)** › Expression setup mode
- **Flashing Yellow** › Effect installing
- **Green** › Success
- **Red** › Error / failed load
- **Blue (blinking)** › Firmware update mode

START CREATING YOUR OWN EFFECTS

To begin creating your own effects:

1. **Register your product**, then visit:
polyend.com/playground
2. Or start coding using our SDK:
<https://github.com/polyend/FxPatchSDK>
3. You can also download many ready-to-use free examples from:
polyend.com/plates

FIRMWARE UPDATES

To install a firmware update:

1. Power on Endless.
2. Use a paperclip to press the **update button** located between the USB and Power connectors.
3. After a few seconds, the LED will blink **blue** — release the button.
4. Connect the device to your computer via **USB-C**.
5. A drive named **“Endless FWU”** will appear.
6. Drag and drop the firmware file onto this drive.
7. When the update is complete:
 - The LED will turn **green**.
 - Then the **white On light** will appear.