# 2hp — EG

- [Manual PDF](#)

[EG Envelope Generator Manual PDF (Images above)](#)

# EG 2hp Envelope Generator — Cheat Sheet

## Overview

- **Type:** 2-stage envelope generator (Attack/Decay)
- **Envelope shapes:** Switchable linear/exponential
- **CV control:** Attack/Decay
- **Output:** 0–10V envelope
- **Built-in attenuator (AMP)**
- **Super compact (2hp), 3ms–11min per stage**

## Panel Control Reference

| Function | Type | Description | Voltage Range |
|---|---|---|---|
| **TRIG** | Input jack | Trigger or gate to fire envelope | Threshold: 2.5V |
| **ATTACK CV** | Input jack | CV input for Attack time | 0V – 5V |

| Function | Type | Description | Voltage Range |
|---|---|---|---|
| **ATTACK** | Knob | Manual control for Attack time (min left, max right) | |
| **DECAY CV** | Input jack | CV input for Decay time | 0V – 5V |
| **DECAY** | Knob | Manual control for Decay time (min left, max right) | |
| **RESPONSE TOGGLE** | Switch (2-way) | Select envelope shape: Up = Linear, Down = Exponential | |
| **AMP** | Knob | Output envelope level; attenuates from 0V (left) to 10V (right) | Output: 0V – 10V |
| **ENVELOPE LED** | LED | Visualizes output envelope | |
| **OUT** | Output jack | Final envelope output (attack & decay controlled by above) | 0V – 10V |

## Basic Operation

1. **Patch TRIG input** to receive gates/triggers (>2.5V) from sequencer, keyboard, clock, etc.
2. **Set ATTACK and DECAY** with knobs—their full range is 3ms to 11 minutes (per stage!).
3. **Add CV to ATTACK/DECAY CV inputs** for voltage control (0V–5V typical).
4. **Toggle RESPONSE** for desired shape:
5. **Up = Linear**

6. **Down = Exponential**
7. **Set AMP** for attenuation (0V to 10V envelope output).
8. **Patch OUT** to next destination, like VCA, filter, or other modulation destination.

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# Technical Specs

- **Width:** 2hp
- **Depth:** 45mm
- **Power:** +12V: 26mA, -12V: 7mA

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**Quick Reference (Jacks & Controls)**

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IN:
 - TRIG (2.5V threshold)
 - ATTACK CV (0—5V)
 - DECAY CV (0—5V)
OUT:
 - OUT (0—10V envelope)

Controls:
 - ATTACK (range: 3ms—11min)
 - DECAY (range: 3ms—11min)
 - RESPONSE TOGGLE (linear/expo)
 - AMP (attenuator for OUT, 0—10V)
 - ENVELOPE LED (visual feedback)
```

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