

GE-1 Gravity Engine

User Manual | Version 1.0.0

Thank you for choosing GE-1 Gravity Engine.

GE-1 automatically resolves the frequency clash between kick and bass, giving your bass a solid, present low end. It combines a "Gravity" tilt EQ with kick-triggered spectral ducking, and sets itself up from a single **LEARN** pass.

Contents

- 1. System Requirements & Installation
- 2. License Activation
- 3. Plugin Overview
- 4. How to Use the Main Features
- 5. Support & License

1. System Requirements & Installation

Item	Details
OS	Windows 11 or later / macOS 13 (Ventura) or later
Format	VST3 (Windows / macOS) / Audio Unit (macOS only) / 64-bit
Storage	~20 MB
Internet	Required for initial sign-in / activation (offline use allowed for 30 days after activation)

Installation Steps

- Double-click the downloaded installer (**GE-1_Installer_v1.0.0.exe**) to launch.
- Accept the license agreement (EULA) and follow the on-screen prompts.
- After installation, restart your DAW and rescan plugins. GE-1 appears in your VST3 list as **AIDE AUDIO GE-1**.

2. License Activation

GE-1 stays in audio **bypass** (the signal passes through untouched) and shows a lock overlay until it is unlocked. There are two ways to unlock it:

Method	What happens
Sign in + Free Trial	Sign in to your AIDE AUDIO account and start a 3-day free trial.
Serial key	Enter your purchased serial for permanent activation.

Click the **account icon** (the person icon to the right of the **AIDE AUDIO** logo) at any time to open the account panel – sign in, start the trial, enter a serial, or sign out.

Sign in & Trial

- Open the account panel and choose **Sign in**. Your browser opens the AIDE AUDIO sign-in page.
- After signing in, the browser hands the authorization back to the plugin (via a local **127.0.0.1** port) and the panel updates.

- Choose **Start trial** to begin the 3-day trial. The remaining days are shown in the bottom-right corner.

Serial Activation

- In the account panel, enter the serial key provided at purchase (e.g. **GE1ABCD12345678**).
- Click **Unlock**. On success the lock overlay disappears and the full signal path becomes active.

If activation fails:

- "Invalid License Key" → Check the serial for typos, case, and the common **0/O** confusion.
- "Server Connection Failed" → Check your internet connection. Allow HTTPS traffic to **aideaudio.com** through your firewall.
- "Activation limit reached" → The maximum of 3 devices has been registered. Remove an unused device from your account page.
- If an error appears, a **Send error report** button may be shown (sends only error code, version, OS and DAW name, opt-in each time). For anything unresolved, contact **support@aideaudio.com** with your serial.

30-Day Offline Grace Period

Once activated with a serial, GE-1 can run offline for 30 days, after which it re-verifies online. This keeps GE-1 reliable even when the internet is unstable.

3. Plugin Overview

The GE-1 window is 982 × 520 pixels. The large central **analyzer** shows the spectrum and the EQ / ducking curve; the knobs and toggles sit below it, and the meters are on the right.

Header Elements

Element	Position	Function
AIDE AUDIO logo	Top-left	Manufacturer logo
? button	Right of the logo	Opens the feedback / bug-report dialog (see § 5)
Account icon	Right of the ?	Opens the account panel (sign in / trial / serial / sign out)
Track selector	Header	Chooses this instance's role: Group → Bass / Kick

The Analyzer

The central display overlays the input/output spectrum with a yellow **EQ / ducking curve** and a cyan **Pivot** dot. It has two vertical scales:

- **Left scale – EQ gain (+12 to -12 dB)**: the yellow curve is read against this. A dip that reaches the "-4 dB" line is a 4 dB cut at that frequency.
- **Right scale – level (0 to -90 dBFS)**: the spectrum display level.

Knobs

Knob	Role
GRAVITY	Tilt of the EQ (low-end weight). Range -50 ... +50
PIVOT	Centre frequency the tilt pivots around (20 - 500 Hz)
SLOPE	Steepness of the shelf
HPF	High-pass (sub cut). Adjustable cutoff up to 100 Hz; LEARN sets 30 Hz

Knob	Role
GAIN	Input gain
OUTPUT	Output level (-24 ... +24 dB)
THRESH	Side-chain ducking threshold (-60 ... 0 dB)
RATIO	Side-chain ducking depth (1 ... 10)

GRAVITY, **PIVOT**, **SLOPE**, **GAIN**, **THRESH** and **RATIO** are set for you by **LEARN** (see § 4). You can fine-tune them afterwards.

Toggles

Toggle	Function
LEARN	Analyzes the bass and configures the plugin automatically
SIDE CHAIN	Enables kick-triggered spectral ducking
AUTO GAIN	Keeps the output level constant as you change the tone
HPF	High-pass filter on/off

Meters

- **OUT** – output level, with the **GR** (gain-reduction) amount from the ducking.
- **SC** – the side-chain (kick) level feeding the ducking.

4. How to Use the Main Features

4.1 LEARN (Auto-Setup)

LEARN is the heart of GE-1. On the **Bass** track:

- Click the **LEARN** button. The ring animates while it analyzes.
- Play your bass normally for a few seconds (sweeping across the range gives the most accurate result).
- When finished, GE-1 sets **PIVOT** / **GRAVITY** / **SLOPE** / **GAIN** for your bass tone, engages **HPF** at 30 Hz and **AUTO GAIN**, and – if a kick is present – turns on **SIDE CHAIN** and auto-tunes **THRESH** / **RATIO**. Automatic phase alignment is also applied.

The learned profile is saved with the DAW project, so re-learning is not needed when you reopen it. Re-run **LEARN** whenever you change basses or playing style.

4.2 Gravity EQ

GRAVITY tilts the balance below and above the **PIVOT** frequency, giving the bass its weight and definition. **SLOPE** controls how steep the shelf is. Positive gravity trims the lows / lifts the highs; negative gravity adds low-end weight.

4.3 Side Chain (Spectral Ducking)

When **SIDE CHAIN** is on, GE-1 carves the bass to the **shape of the kick** – it dips only the bands where the kick has energy, and only where the bass actually has energy there, so the low end makes room for the kick without sounding pumped.

- **THRESH** sets how loud the kick must be to trigger ducking; **RATIO** sets how deep the duck goes. Release is fixed at a fast 10 ms.

- **Kick input has two routes:** (1) DAW native side-chain – route your kick into GE-1's side-chain input; (2) two-instance pairing – see § 4.5.

4.4 AUTO GAIN & HPF

- **AUTO GAIN** keeps the perceived output level constant as you change the tone, so tweaking **GRAVITY/PIVOT** doesn't change how loud the bass is.
- **HPF** is a high-pass filter that removes low-frequency sub-rumble. You set its cutoff with the HPF knob (up to 100 Hz); **LEARN** sets it to 30 Hz.

4.5 Kick <-> Bass Pairing (Two Instances)

GE-1 works best as a pair: one instance on the **Bass** track and one on the **Kick** track, linked so the bass ducks around the kick.

- Insert GE-1 on the bass track; set its **Track** selector to **Group 1 → Bass**.
- Insert GE-1 on the kick track; set its **Track** selector to **Group 1 → Kick**.
- Because they share the same **Group number**, the kick instance shares its clean spectrum with the bass instance automatically – no routing required.
- Press **LEARN** on the bass instance; **SIDE CHAIN** engages automatically when the kick is detected.
- You can run up to **4 pairs** (Group 1 - 4) in one project, e.g. for layered kicks or multiple bass parts.

Prefer a single instance? Use the DAW native side-chain (§ 4.3) instead – route the kick into GE-1's side-chain input and turn **SIDE CHAIN** on manually.

5. Support & License

Feedback / Bug Report

Click the ? button at the top-left of the GE-1 window (right of the **AIDE AUDIO** logo) to open the feedback dialog.

- **Category:** Feature request / Bug report / Other
- **Message:** Free text
- Submitted with your message: plugin version (**GE-1 v1.0.0**), OS name, DAW name.
- When you are signed in, the report is attributed to your account e-mail; otherwise it is anonymous. No audio or project data is ever sent.

Discord Community

Exchange tips with other producers and talk directly with the AIDE AUDIO team.

AIDE AUDIO Discord: <https://discord.gg/TN24K8R4h>

Official Website

AIDE AUDIO: <https://aideaudio.com/>

- My Page (license management / add or remove devices)
- Latest downloads
- Other products (BC-1 Bass Compressor / BO-1 Bass Octaver / TP-1 Tone Purifier / VS-1 Versa Synth)

About the License

Redistribution and sharing of this plugin are prohibited.

For license management or any issues, please use the AIDE AUDIO user dashboard or the support page (<https://aideaudio.com/support>).

The End-User License Agreement (EULA) is shown by the installer. The main terms are:

- One serial allows installation on up to 3 devices
- During activation, anonymous hardware information and your serial are sent
- Redistribution / reverse engineering prohibited
- All sales are final (digital product)