

# BO-1 Bass Octaver

User Manual | Version 1.0.0

Thank you for choosing BO-1 Bass Octaver.

BO-1 is a dedicated bass octaver plugin that generates -1 oct / -2 oct sub-tones from your bass.

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## 1. System Requirements & Installation

| Item           | Details                                                                       |
|----------------|-------------------------------------------------------------------------------|
| Format         | VST3 (Windows 64-bit)                                                         |
| OS             | Windows 10 / Windows 11                                                       |
| Supported DAWs | Cubase / Reaper / Ableton Live / Studio One / FL Studio, and other VST3 hosts |
| Storage        | ~20 MB                                                                        |
| Internet       | Required for initial activation (offline use allowed for 30 days afterwards)  |

### Installation Steps

- Double-click the downloaded installer (**BO-1\_Installer\_v1.0.0.exe**) to launch.
- Accept the license agreement (English or Japanese) and follow the on-screen prompts.
- After installation, restart your DAW and rescan plugins. BO-1 will appear in your VST3 list.
- On the final screen, you can optionally tick **Join AIDE AUDIO Discord community** to open the Discord invite in your browser.

## 2. License Activation

Serial activation is required to unlock full features. In the unactivated (DEMO) state, the 6 knobs in the **TONE** and **TRACKING** sections are locked and an overlay is shown. The **MIX** section (SUB 2 / SUB 1 / DRY) and the **LEARN** button still work in DEMO mode.

### Activation Steps

- A serial input dialog appears automatically right after the plugin loads.
- Enter the serial key provided at purchase (e.g. **BO1ABCD12345678**).
- Click **Unlock**. The plugin contacts the server, and on success the lock overlay disappears.
- All 6 knobs become available immediately.

#### 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 user dashboard.
- If none of the above resolves it, please contact **support@aideaudio.com** with your serial.

## 30-Day Offline Grace Period

Once activated, the plugin can run offline for 30 days. After that, an online re-verification is performed. This makes BO-1 reliable even when the internet is unstable, such as during overseas tours.

## 3. Plugin Overview

The BO-1 window is 800 × 436 pixels and is divided into four areas: **MIX** (left), **TONE SECTION** (centre-top), **TRACKING** (centre-bottom), and the **LEARN** button + level meter (right).

| Area         | Position      | Contents                                                              |
|--------------|---------------|-----------------------------------------------------------------------|
| MIX          | Left          | 3 knobs (SUB 2 / SUB 1 / DRY). Balance octave subs and the dry signal |
| TONE SECTION | Centre-top    | 4 knobs (TONE / GROWL / TONE 2 / BODY). Tone design                   |
| TRACKING     | Centre-bottom | 2 knobs (SENS / GATE). Pitch tracking and noise gate                  |
| LEARN        | Top-right     | 8-second bass analysis, auto-tunes SENS / GATE                        |

## 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) |
| BO-1 BASS OCTAVER | Top-right         | Product title                                    |

## Update Banner

When a new version is released, a banner appears at the top of the window on startup (e.g. **BO-1 v1.0.1 is available [Download]**). Click **Download** to open the download page in your browser. Click **×** to dismiss that version (it will not be shown again).

## Level Meter

A 14-segment LED meter below the **LEARN** button shows the output level in real time. Green is healthy, orange/yellow means it is running hot, and red is just below clipping. If red flashes often, lower **DRY** or the **SUB** knobs.

## 4. How to Use the Main Features

### 4.1 MIX Section

Three knobs to balance the volumes of the -1 oct sub, the -2 oct sub, and the dry signal.

| Knob  | Role                             | Default |
|-------|----------------------------------|---------|
| SUB 2 | Volume of the -2 oct sub         | 50      |
| SUB 1 | Volume of the -1 oct sub         | 50      |
| DRY   | Volume of the input (dry) signal | 50      |

#### Suggested settings

- Simple octave down: SUB 1 = 70 / SUB 2 = 0 / DRY = 50
- Synth-bass-style sub boost: SUB 1 = 40 / SUB 2 = 70 / DRY = 30
- Rich blend with the dry tone: SUB 1 = 50 / SUB 2 = 30 / DRY = 70

If every knob is at 0 you will hear nothing. Keep at least one knob at 50 or above.

## 4.2 TONE SECTION

Four knobs to shape the tone of each sub independently.

| Knob   | Role                         | Default |
|--------|------------------------------|---------|
| TONE   | Brightness of SUB 1 (-1 oct) | 100     |
| GROWL  | Saturation (drive) amount    | 0       |
| TONE 2 | Brightness of SUB 2 (-2 oct) | 100     |
| BODY   | Mid-range body thickness     | 50      |

#### Style-specific starting points

| Playing style     | TONE | GROWL | TONE 2 | BODY |
|-------------------|------|-------|--------|------|
| Slap (sharp)      | 100  | 20    | 80     | 40   |
| Finger (warm)     | 70   | 0     | 60     | 60   |
| Pick (aggressive) | 100  | 50    | 90     | 70   |
| Synth-bass style  | 50   | 80    | 50     | 30   |

**TONE** and **TONE 2** adjust the tone of SUB 1 and SUB 2 independently. Lower values are smoother, higher values are richer in harmonics.

## 4.3 TRACKING Section

Two knobs to adjust pitch detection sensitivity and the noise gate.

| Knob | Role                                                     | Default |
|------|----------------------------------------------------------|---------|
| SENS | Pitch detection sensitivity                              | 50      |
| GATE | Noise gate threshold (applied to the octave signal only) | 50      |

#### Adjustment by input level

| Input level                               | SENS  | GATE  |
|-------------------------------------------|-------|-------|
| Low (passive bass / direct in)            | 70-80 | 30-40 |
| Standard (active bass / through a preamp) | 50    | 50    |
| High (high-output pickups)                | 30-40 | 60-70 |

If the octave signal cuts in and out, raise **SENS**. If you hear a buzz between notes, raise **GATE**.

## 4.4 LEARN Button (Auto-Tune)

- Click the **LEARN** button (the silver knob at the top-right). Analysis begins.
- The LED ring around the button turns **blue** and animates to show progress.
- Play your bass normally for 8 seconds (sweeping from Low E up to around G gives the most accurate result).
- When finished, the LED ring turns **green** and **SENS** / **GATE** glide smoothly to their optimal values.

**LEARN works in DEMO mode too.** Re-run it any time you change basses, players, or playing style. The learned profile is saved with the DAW project, so re-learning is not needed when reopening the project.

## 5. Support & License

### Feedback / Bug Report

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

- **Category:** Feature request / Bug report / Other
- **Message:** Free text (up to 4000 characters)
- Submitted with your message: plugin version (**BO-1 v1.0.0**), OS name, DAW name
- No personally-identifying information (name, e-mail, etc.) is transmitted.

### Discord Community

Exchange tips with fellow bassists and talk directly with the AIDE AUDIO team.

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

### Official Website

**AIDE AUDIO:** <https://aide-audio.com/>

- My Page (license management / add or remove devices)
- Latest downloads
- Other products (BC-1 Bass Compressor / 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 with the plugin, please use the AIDE AUDIO user dashboard or the support page (<https://aide-audio.com/support>).

The End-User License Agreement (EULA) is shown by the installer (English / Japanese selectable). 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)