

mathewlane

TiAMO

Dynamics to desire.

Mathew Lane TiAMO multiband dynamics plugin

User Manual

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www.mathewlane.com

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Installation

1. Download the installer for your platform from the product page on our website:
<https://www.mathewlane.com/tiamo>
2. Run the installer and follow the instructions in the wizard.
3. Make sure you also have the latest iLok License Manager installed from the iLok website:
<https://www.ilok.com>

Where is TiAMO installed?

On macOS:

- AAX: Macintosh HD/Library/Application Support/Avid/Audio/Plug-Ins
- AU: Macintosh HD/Library/Audio/Plug-Ins/Components
- VST: Macintosh HD/Library/Audio/Plug-Ins/VST
- VST3: Macintosh HD/Library/Audio/Plug-Ins/VST3
- Presets: Macintosh HD/Library/Application Support/Mathew Lane/TiAMO

On Windows 64 bit:

- AAX: C:\Program Files\Common Files\Avid\Audio\Plug-Ins
- VST: C:\Program Files\Steinberg\VstPlugins
- VST3: C:\Program Files\Common Files\VST3
- Presets: C:\ProgramData\Mathew Lane\TiAMO (hidden folder)

How do I uninstall TiAMO?

On macOS:

1. Remove the TiAMO plugin file from each of the plugin format folders (see above).
2. Delete the Presets folder (see above).

On Windows :

1. Uninstall TiAMO via Windows Control Panel using uninstall under “Programs” or “Apps & Features”.

Activation

To activate TiAMO, you require a FREE iLok user account and a TiAMO License.

- ❗ If you don't have an iLok user account yet, create yours here for FREE:

<https://www.ilok.com>

- ❗ Do I need an iLok USB dongle?

No! Dongle-free Machine (Host Computer) Authorisation is supported.
A physical iLok USB dongle (iLok2 or iLok3) is optional but NOT required.

When demo-ing or buying TiAMO, you will receive an iLok License Activation Code.

- ❗ This iLok License Activation Code has the following format:

XXXX-XXXX-XXXX-XXXX-XXXX-XXXX-XXXX-XX

A specific code can only be used once. It 'redeems' the License into your iLok Account, after which it can be activated twice. Each activation can be done to a computer or to an iLok USB dongle, see below.

To redeem your iLok License Activation Code into a License and to activate this License:

1. Run TiAMO in your DAW, and choose 'Activate' in the pop-up window.
2. *1st activation:* Enter (copy/paste) your iLok License Activation Code.
2nd activation: Don't enter your already redeemed Code, but choose 'No' to continue.
3. Login to your iLok user account.
4. *1st activation:* Select a location (computer or iLok) for your License to activate to.
2nd activation: Select your available License and then a location to activate it to.

- ❗ Advanced license management such as moving and (de/re-)activating licenses between different locations (computers or iLoks) is possible using the iLok License Manager.

Please note that to authorise an internet connection is required. When using an iLok USB dongle, you can move the dongle after authorisation from an internet connected computer to an offline DAW computer.

It is required to have the iLok License Manager installed on the computer where the plug-in is used, as this manager software includes the necessary drivers and extensions for the plug-in license to work.

Introduction

TiAMO is a one-of-a-kind multiband dynamics plugin, with 3 separate sidechains. Each band features powerful sidechain trigger mixing for organic and alive dynamics. From classic three band compression, over de-essing to musical pumping, advanced groove creation and more. All with easy to use TiCo based analog compressor models.

In CLASSIC mode TiAMO works like a typical 3-band compressor. It'll load like that on INIT, and you can always go back to these classic sidechain & crossover settings in 2 seconds by pressing the SET button on top right. Set like this, TiAMO is a powerful great sounding analog-style multiband compressor in its own right.

Once you delve in further, and move away from the limitations of a classic 3-band, the options are vast. TiAMO's many options allow for a wide range of applications on both individual sounds as well as subgroups and mix busses. It's as great for final mix bus processing and mastering, as it is for truly creative processing and problem solving.

TiAMO sounds organic and alive, you'll love it as much as TiAMO loves your music.

Functionality



- ① **POWER:** a general on/off (bypass) button for the plugin, except for the INPUT section.
- ② **INPUT:** shows input signal level and has a GAIN control for gain staging, which is why it remains active during POWER OFF (for an easy on/off compare with gain staging).
 - Use your DAW's bypass to also bypass input GAIN. Handy when using presets and are only adjusting I/O GAINS for less or more impact of the preset settings:
Hold SHIFT when turning GAIN to get a counter reaction on OUTPUT (and vice versa).
 - The section backlight will turn red on overload.
- ③ **OUTPUT:** shows output signal level, has a GAIN control for make-up gain and leveling.
 - The section backlight will turn red on overload.
- ④ **SIDECHAIN:** comes as SIDECHAIN A, B and C:
 - Each can be individually set to any frequency range of choice.
 - Each can switch between internal audio or an external source (press EXT and feed the plugin from your DAW with a different trigger signal).
 - Each has a LSTN (listen) button to check the signal present in this SIDECHAIN.
- ⑤ **LINK:** links the top frequency of the SIDECHAIN on its left to the bottom frequency of the SIDECHAIN on its right, as well as to the relevant processing band X-OVER (crossover) frequency on its bottom (see 7.).
- ⑥ **LOW BAND, MID BAND and HIGH BAND:**
 - Three audio processing bands, each features the same kind of functionality.
- ⑦ **LOW/MID X-OVER and MID/HIGH X-OVER** define the crossover frequencies respectively between LOW BAND and MID BAND, and between MID BAND and HIGH BAND.
 - Link each to the relevant SIDECHAIN top and bottom frequencies with LINK (see 5.).
 - TiAMO features our new ALPHA crossovers: Analog-feel Linear PHASE crossovers, the best of digital and analog combined.
- ⑧ **TIGHTNESS** dynamics engine per BAND with following options:
 - STYLE display with dropdown selector as well as PREV/NEXT buttons.
Each STYLE is a different analog compressor model / setting (see further).
Hold SHIFT during selection to set the selected STYLE to all three BANDs at once.
 - TIGHTNESS control to set the amount of compression and gain reduction (represented in the GR meter), based on the trigger signal received (also see 9.).
Opening TIGHTNESS far enough results in a fixed continuous gain reduction (see 9.).
Hold SHIFT during tweaking to relatively change TIGHTNESS in all three bands at once.

- The section backlight will go red when doing 20dB or more of gain reduction. Note that some STYLES are inherently limited to less than 20dB of maximal gain reduction.
- DRY/WET control for parallel processing.
Hold SHIFT during tweaking to relatively change DRY/WET in all three bands at once.
- GAIN control for gain make-up, or to set overall BAND level (for EQ alike use).
Hold SHIFT during tweaking to relatively change GAIN in all three bands at once.
- ON/OFF button to activate or bypass the TiGHTNESS processing in this band.
The section backlight will also go off when in bypass.
- SOLO button to solo this BAND.
SHIFT+SOLO allows to solo more than one BAND simultaneously.

⑨ **SC A/B/C MIX** (SIDECHAIN MIX) per BAND:

- Define the impact of each SIDECHAIN (A, B, C) resulting in the trigger signal for the TiGHTNESS engine of that BAND.
- Each SIDECHAIN can contribute positively or negatively to the trigger signal in that BAND. Balance SIDECHAINS against each other for organic dynamics or creative triggering.
- If all mix faders (A, B, C) are at 0% – or the combined trigger signal from A, B, C is very low level – in a BAND, opening TiGHTNESS far enough will result in a fixed continuous gain reduction in this BAND. This creates a starting point for negative triggers from the sidechain mix as a sort of inverse compression – different but related to gating and expansion.
- Each BAND has a SC LSTN (sidechain listen) button to check the trigger signal resulting from the combined SC MIX for this BAND. Note that this is just an approximative audio reference, as the power of negative trigger signals is not truly representable in just audio.

⑩ **CLASSIC:** the SET button will trigger TiAMO to be set like a classic three band compressor in 2 seconds. It will flash during the change of parameters and is ready to use once done flashing.

- SIDECHAIN and X-OVER frequencies will be linked and set to a 500Hz and 2000Hz starting point.
- SC MIX per BAND will be set to a classic one-on-one relation where SC A is triggering LOW, SC B is triggering MID and SC C is triggering HIGH.

⑪ **GUI RESIZE:** click and drag the resize icon in bottom right to adjust TiAMO's user interface size to your liking (saved with each instance). Double-click to go back to default size.

STYLES overview

- **Titanium:** classic tight compressor – use on any source from subtle to extreme
- **Ti Gentle:** more gentle version of Titanium – perfect for mix bus and mastering
- **Ti Bold:** make a bold statement – great on drums, pop-piano and more
- **Ti Smash:** ideal for parallel NYC style compression, using the Dry/Wet MIX control
- **Oxygen:** airy smooth compression – your ticket for that nice up-front vocal
- **Hydrogen:** relatively neutral/invisible compression – get anything naturally close
- **Nitrogen:** warm and round compression – full and vintage vibe

Presets

The Presets Browser at the top of TiAMO gives easy access to factory and user presets.

- Use the *Left arrow* and *Right arrow* buttons to browse alphabetically through all Presets
- Click on the *Preset display* or the *Down arrow* to see the full list and select a Preset
- The *SAVE* button allows you to save the current TiAMO settings into your own Preset. It will be saved in the TiAMO Presets folder (see page 3) as a “.tiamo” preset file, and will show up in the Presets list when saved. You can over-save existing presets if required.
- The *COMPARE* button allows you to switch TiAMO settings between the current active settings and the previously saved settings.
- Factory presets *000-012* are designed some as allround starting point, others as inspiration to get creative yourself with more extreme settings and cross triggerings.

How to get the most out of the Presets?

TiAMO is a dynamics processor with internal thresholds. The input level (adjustable with INPUT GAIN) and/or the TiGHTNESS setting per band will define how much compression is happening.

It's impossible for a preset to know what kind of audio in level and original dynamics you'll throw at it. So it's likely that you need to adjust any preset slightly (or some more) to get the best out of it.

There're several easy ways to quickly adjust any preset to your audio, simply use what you like most:

- Adjust INPUT GAIN : turn it up for more overall compression, turn it down for less overall compression. To A/B with the original, use TiAMO's POWER button: in OFF position, it will still apply INPUT GAIN to the original, to make sure you can compare easily at the same levels.
- Adjust INPUT GAIN like above, but while holding *SHIFT*: this will give an opposite adjustment on OUTPUT GAIN. This makes it easy to adjust overall compression like above, but with the difference that to compare original and processed at same levels you can now use the host's plugin bypass button.
- Another option is adjusting the TiGHTNESS in each band. You can do this individually per band to adapt the best to your input signal, or you can hold *SHIFT* while adjusting one band and the others will follow.

Of course, these adjustments can be combined, and before you know it, you'll be creating your own settings from scratch!

Support

FAQ

The Mathew Lane website has a Support section with Frequently Asked Questions:

<https://www.mathewlane.com/support>

You'll most likely find a solution for your problem there right away.

Contact

If you can't find back the answer in the FAQ above, please contact us via the email form on our Support page:

<https://www.mathewlane.com/support>

We are here to help you and always try to get back to you as soon as possible.