

# THE 400 - User's Manual

## Premium Twin-Channel TSM-Ai Series Amplifier Component Developed by Two notes Audio Engineering for use Exclusively Within GENOME

### Important Notice

THE 400 is a GENOME Component and as such requires a Two notes account and a full license to GENOME in order for the component to be used in a full-featured state. For pre-purchase demonstration purposes, THE 400 can be demo'd for free within both a full-GENOME license variant and the 14-day GENOME trial accessible here. To obtain a full GENOME license, please head to [GENOME.Two-notes.com](http://GENOME.Two-notes.com).

### Introduction

The complete electronic version of this manual, and the related THE 400 software application, are subject to updates without notice. To download the most up-to-date manual for THE 400 and GENOME - alongside user guides for all Two notes Audio Engineering products - head over to the [Two notes Audio Engineering](http://Two notes Audio Engineering website) website.

This manual describes the use, features and functionality of Two notes' THE 400 in tandem with the GENOME plugin application, detailing comprehensive instructions for its intended operation. It is highly recommended that you read this document before using the software. The contents of this manual have been thoroughly verified and is believed, unless stated otherwise, to accurately describe the product at the time of download availability from the Two notes Audio Engineering website.

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## THE 400



Developed specifically for our esteemed Bass Contingent, there's THE 400 - a premium TSM-Ai amplifier inspired by the legendary Mesa Boogie® Bass 400+™. Packing a pair of separately-voiced thunderous channels, each with an expertly tuned and customisable Tone Stack, brace yourself for the pinnacle in Pitch, Punch and Power, plus a control arsenal engineered to step your tone forward in any mix!

Within THE 400 the following controls are available to configure Component:

- **POWER(switch):** Sets whether the TSM-Ai component is bypassed or engaged
- **POWERAMP(switch):** Enables or disables the poweramp emulation for both channels of the

THE 400 TSM-Ai amplifier. When disabled we recommend using the stock POWERAMP GENOME Component to configure a custom Poweramp emulation immediately post the THE 400 Component

### *INPUT 1 / CHANNEL 1*

- **MIDDLE:** Use this control to attenuate or boost the Mid-Range frequency content of the related channel's processed signal
- **BASS:** Use this control to attenuate or boost the Bass frequency content of the related channel's processed signal
- **BASS SHIFT (Switch):** Engages a frequency boost to the bass frequency content when engaged (position up)
- **TREBLE:** Use this control to attenuate or boost the High frequency content of the related channel's processed signal
- **TREBLE SHIFT (Switch):** Engages a frequency center-point shift downward toward the upper mid-range when engaged (position up)
- **MASTER:** Sets the volume of THE 400's Poweramp relative to INPUT 1/ CHANNEL 1 only; increased values drive the Poweramp resulting in increased distortion, harmonics & compression
- **VOLUME:** Sets the volume of INPUT 1/ CHANNEL 1 relative to the volume of INPUT 2/ CHANNEL 2
- **GAIN:** Adjusts the input gain for INPUT 1/ CHANNEL 1 affecting the volume and subsequent drive produced by the related channel
- **BRIGHT (Switch):** Engages a bright cap on the GAIN Control for INPUT 1 / CHANNEL 1; the result is less audible low-frequency content and more prominent high-frequency content at lower volumes enacted via the GAIN parameter; as the GAIN parameter is increased, the less difference there is between the BRIGHT and non-BRIGHT modes

### *INPUT 2 / CHANNEL 2*

- **MIDDLE:** Use this control to attenuate or boost the Mid-Range frequency content of the related channel's processed signal
- **BASS:** Use this control to attenuate or boost the Bass frequency content of the related channel's processed signal
- **BASS SHIFT (Switch):** Engages a frequency boost to the bass frequency content when engaged (position up)
- **TREBLE:** Use this control to attenuate or boost the High frequency content of the related channel's processed signal
- **TREBLE SHIFT (Switch):** Engages a frequency center-point shift downward toward the upper mid-range when engaged (position up)
- **MASTER:** Sets the volume of THE 400's Poweramp relative to INPUT 2/ CHANNEL 2 only; increased values drive the Poweramp resulting in increased distortion, harmonics & compression
- **VOLUME:** Sets the volume of INPUT 2/ CHANNEL 2 relative to the volume of INPUT 1/ CHANNEL 1
- **GAIN:** Adjusts the input gain for INPUT 2/ CHANNEL 2 affecting the volume and subsequent drive produced by the related channel
- **BRIGHT (Switch):** Engages a bright cap on the GAIN Control for INPUT 2/ CHANNEL 2; the result is less audible low-frequency content and more prominent high-frequency content at lower volumes enacted via the GAIN parameter; as the GAIN parameter is increased, the less difference there is between the BRIGHT and non-BRIGHT modes

- **INPUT 1 / INPUT 2 (Switch):** Switches the active Channel between INPUT 1/ CHANNEL 1 (Switch up) and INPUT 2/ CHANNEL 2 (Switch down)

### GRAPHIC EQ

- **ON/OFF (Switch):** Engages (position up) or disengages (position down) the 8-band graphic EQ from THE 400's master output
- **EQ FREQUENCY FADERS:** Use these sliders to apply a master EQ to the instantiated channel of THE 400; available bands include: 40Hz, 100Hz, 250Hz, 625Hz, 1560Hz, 3900Hz & 6600Hz
- **QUALITY MODES:** The following quality modes are accessible via the ellipses menu in the THE 400 TSM-Ai amplifier interface
  - **STANDARD:** Engage this setting for performance / playing scenarios where low CPU load is required
  - **HIGH:** Engage this setting for improved definition and reduced aliasing, perfect for render-centric scenarios

## Technical Support

Should you encounter a problem with your product or need general assistance regarding your purchase, Two notes Audio Engineering has developed an on-line service to provide you with fast and efficient technical support, the Two notes [Help Desk](#). Here you can submit a ticket and a member of our support team will be glad to assist you in your enquiry.

In addition, for common questions and general reference, don't hesitate to [browse the Knowledgebase](#).

## Connect With Us!

### 1. The Two notes Website

Looking for more information about Two notes Audio Engineering? Your first port of call is the [Two notes website](#). Here you will find:

- News about the company and our product portfolio
- Comprehensive information about [GENOME](#)
- [Firmware & software updates](#) across the entire Two notes product portfolio
- Access to the Two notes Store where you can buy new DynIR™ Virtual Cabinets
- An official forum where you can share tips and advice with other Torpedo users.

## 2. Connect With Us!

You can also follow us on [Facebook](#), [Instagram](#) and [Twitter](#) - we also have a [group on Facebook](#) where customers from all over the world get together to discuss gear and tone, would be great to see you there!

## 3. Sign-up to the Newsletter

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