

# TONEX Board

USER MANUAL



IK MULTIMEDIA

# TONEX Board

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Thank you for checking out TONEX Board!

For the best experience, ensure that your device is running the latest firmware version.

See the [Firmware Update](#) section for instructions and release information.



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## TONEX Ecosystem

Welcome to TONEX, an advanced ecosystem for capturing, playing, organizing, and sharing guitar and bass tones.

Learn more about the TONEX ecosystem at: [ikmultimedia.com/products/tonexecosystem](https://ikmultimedia.com/products/tonexecosystem)

## Downloading and installing TONEX Software

TONEX Board comes with TONEX software, which includes:

- **TONEX Player:** To play Tone Models and create presets using just the computer.
- **TONEX Modeler:** To model your own Tone Models from scratch.
- **TONEX Editor:** To manage, transfer and organize TONEX hardware presets and Tone Models.
- **TONEX Board Editor:** To manage, transfer and organize TONEX Board presets and Tone Models.

To download and access the additional software features and content, please follow the steps below:

1. Download the free IK Product Manager: [ikmultimedia.com/products/productmanager](https://ikmultimedia.com/products/productmanager)
2. Log in with your IK Multimedia credentials or create a new account
3. Launch IK Product Manager and select Register Product
4. Enter the serial number that came with your TONEX Board.
5. Download and install the TONEX software from the IK Product Manager
6. During the installation, make sure to check the TONEX Board Editor during the installation process
7. Connect TONEX Board to your computer and launch TONEX Board Editor.
8. Use the editor to edit, transfer, organize and update the firmware

Please visit the TONEX Board media page for video tutorials and sound demos:

[ikmultimedia.com/products/tonexboard](https://ikmultimedia.com/products/tonexboard)

## What Is a Tone Model?

A Tone Model captures a real guitar or bass rig with all its nuances and non-linearities. It aims to provide the same sound characteristics as a real rig inside a computer, so you no longer need the real rig for performing and recording. You can collect thousands of amplifiers, stumps and cabs inside TONEX, which will become a locker for all your gear. A Tone Model can have various types:

- Stomp(s)
- Stomp(s) + amp
- Stomp(s) + amp + cab

- Amp
- Amp + cab

A Stomp Model can represent a single pedal or a chain of pedals like: boost, overdrive, fuzz, distortion, EQ, preamplifier, etc...

**Note:** Stomp Models cannot represent time-based or modulation effects such as delay, reverb, chorus, phaser, or flanger, etc... Also, some vintage fuzzes and overdrives with parallel paths inside can't be modeled.

## What if I have no amplifier to capture?

Don't worry, even if you don't have an amplifier to capture, you can play all the Tone Models available in your TONEX device and TONEX software, plus any Tone Model made by other users available on our free platform [ToneNET](#).

## Presets

Tone Models are the foundation of TONEX presets. TONEX Presets consist of a chain composed by 12 effect slots; these slots are arranged in two paths of 6 slots each. These paths can be used in serial and parallel configuration to create a wide range of signal chains.

Inside a preset, a Tone Model is divided into two parts: amp and cab. This allows us to swap any amp/cab module with another Tone Model's amp/cab module to create new combinations of rigs.

If a stomp is paired with an amp, creating a "stomp + amp" or a "stomp + amp + cab" Tone Model, the stomp is tied to the amp and when swapping the amp part, the stomp follows as well.

## What's Included

- TONEX Board
- USB-C data cable
- Power supply
- Registration card

## Overview



TONEX Board is a multi-effects processor for guitar and bass featuring:

- TONEX Tone Models
- Overdrive, distortion and fuzz pedals
- Reverbs
- Delays
- Modulations
- Utility and effects loop

Each preset can be composed of 12 slots organized in two paths that can create complex chains with split/mix/parallel options.

Presets created with previous TONEX products can be imported into TONEX Board and are automatically converted to the new preset format.

## I/O



### Inputs

1. **Input 1-2:** 1/4" TS instrument inputs.
2. **Return 1-2:** 1/4" TS return inputs.
3. **MIDI Input:** 5-pin DIN MIDI input.

### Outputs

4. **MIDI Output:** 5-pin DIN MIDI output.
5. **Send 1/2:** TS instrument level sends 1-2.
6. **XLR Out 1-2:** XLR line outputs 1-2.
7. **Output 3-4:** TRS line level outputs 3-4.
8. **Headphones:** Mini TRS headphones output.

### External Controls

9. **External control 1-2:** TRS port 1 and 2 for external control pedals like single-switch and double-switch footswitches and expression pedal.

### USB

10. **USB:** USB-C port to transfer data like Tone Models, presets and impulse responses and to perform Firmware Updates.

### Power

11. **Power:** 5 V DC, center-negative, 1.5 A minimum.

## Controls



### Footswitches

- **A | B | C**
  - **Preset Mode**  
*Press to load the corresponding preset.*
  - **Scene Mode**  
*Press to load the corresponding scene.*
  - **Stomp Mode**  
*Press to activate or bypass the corresponding slot.*
- **CTRL**  
When the device is in:
  - **Mode cycling**  
*Press to cycle through operating modes.*
  - **Tap tempo**  
*Press to set the BPM tempo.*
  - *Press and hold CTRL to switch between Mode Cycling and Tap Tempo operation.*
- **A + B**  
When the device is in:

- **Preset Mode:** *Press* to load previous bank.
  - **Scene Mode:** *Press* to load previous preset.
  - **Stomp Mode:** *Press* to load previous preset.
- **C + CTRL**  
When the device is in:
  - **Preset Mode:** *Press* to load next bank.
  - **Scene Mode:** *Press* to load next preset.
  - **Stomp Mode:** *Press* to load next preset.
- **B + C**  
*Press* to access the tuner.

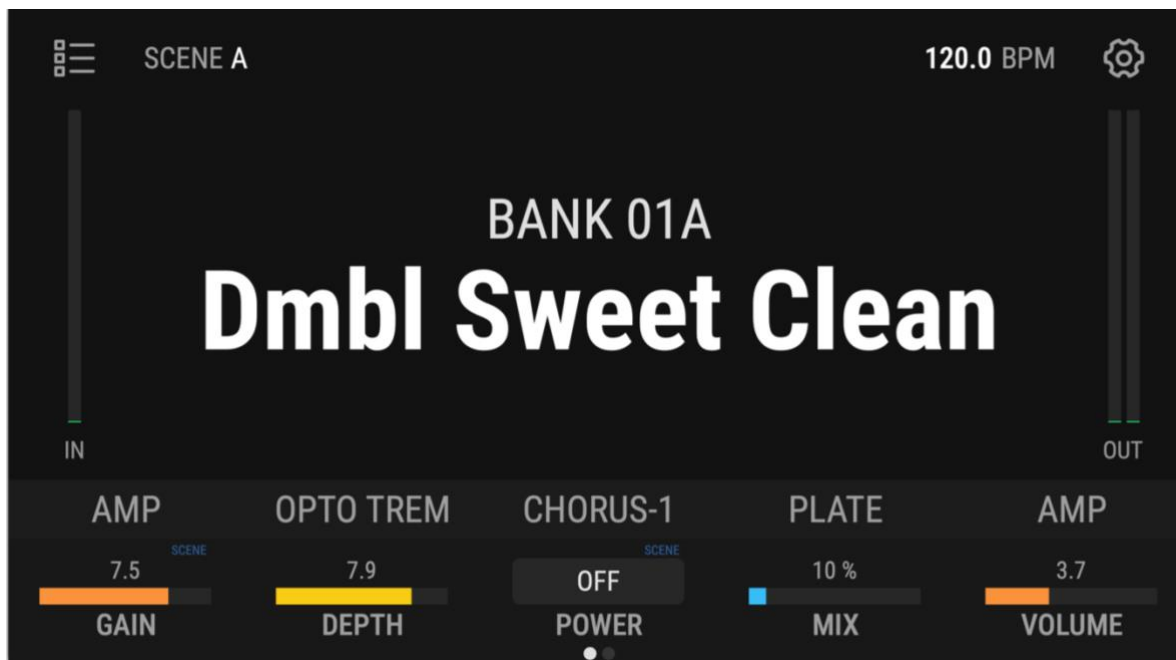
## Buttons

- **HOME**  
*Press* to access the **Home View**.
- **EDIT**  
*Press* to access the **Edit View**.
- **LIVE**  
*Press* to access the **Live View**.
- **SAVE**  
*Press* to save the current preset, *press and hold* to quick save the preset with the same name in the same slot.

## Knobs

- **BROWSE**  
*Press* to open Preset Browser, *rotate* to browse presets.
- **VOLUME**  
*Rotate* to adjust master volume.
- **PARAMETERS**  
*Rotate* or *press* to interact with parameters on screen.

## User Interface



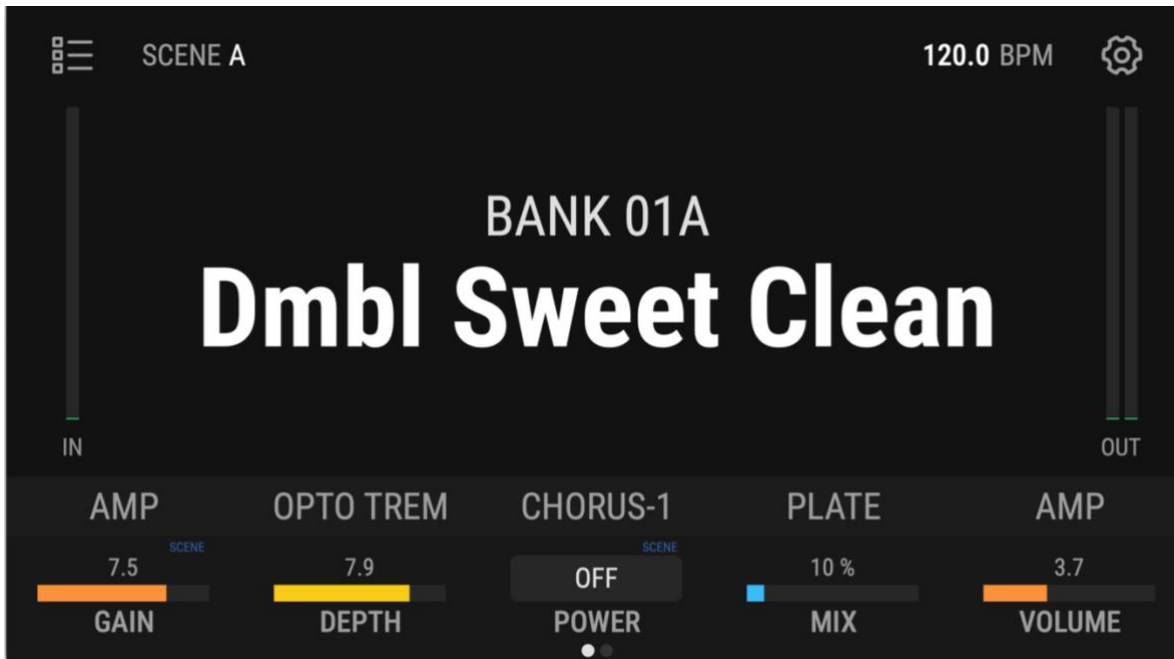
## Views

TONEX Board provides three primary views:

- **Home:** An overall clean page for operating the device.
- **Edit:** An in-depth view of how the preset is composed with the ability to tweak each input, output, slot, the chain order and configuration and the footswitch assignment.
- **Live:** A view specially designed to have the most important features and information available when playing live.

To display any view, press the dedicated button.

## Home View

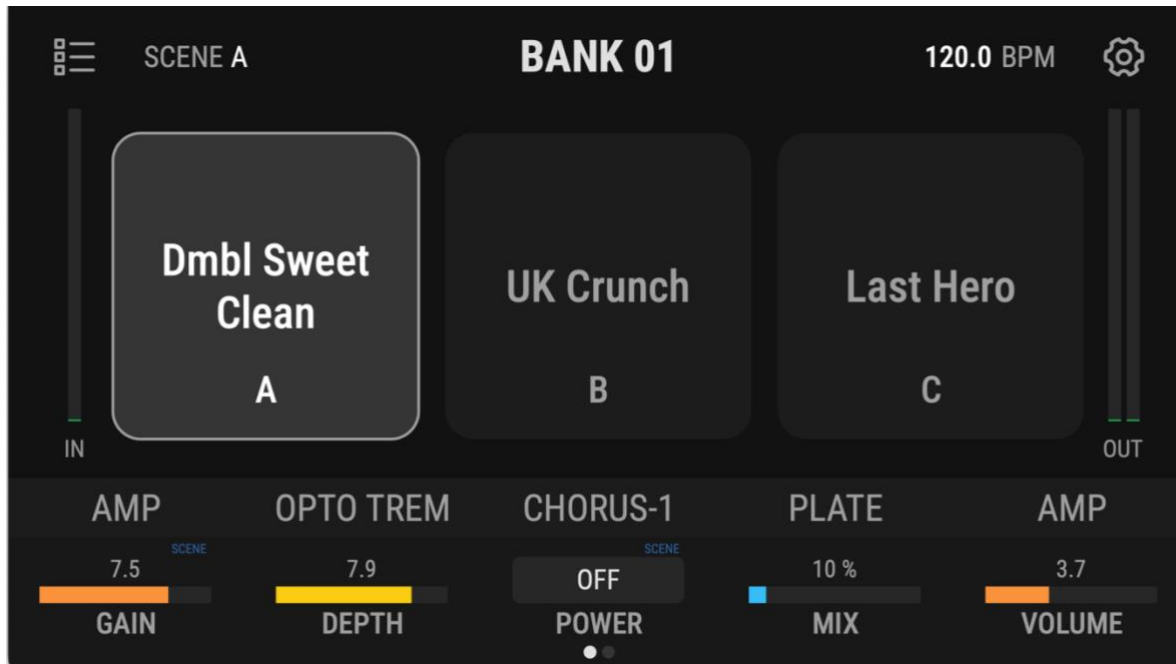


Home View is the main operating screen of TONEX Board.

This is the simplest view displaying key information such as:

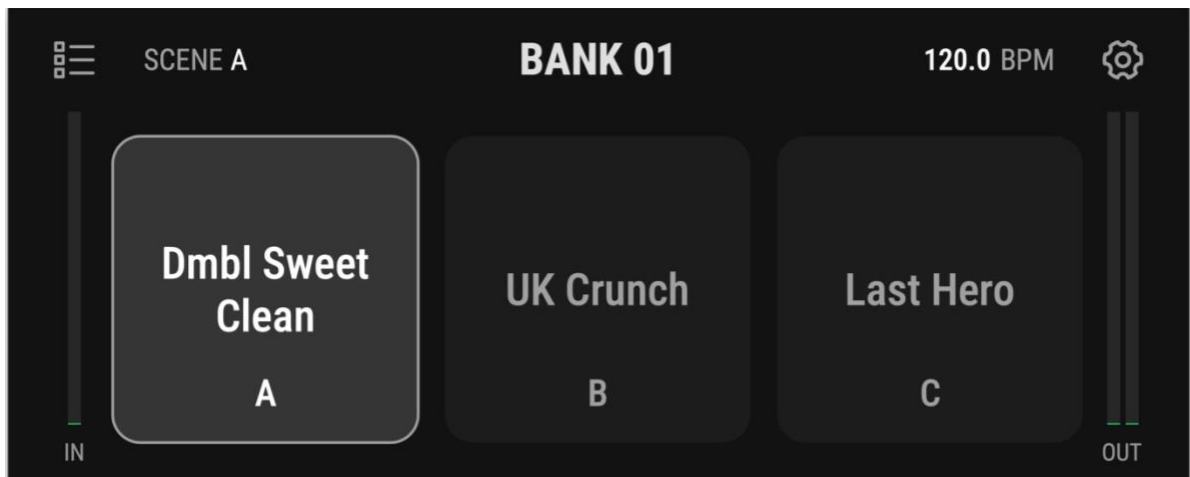
- Selected Bank & Slot and Preset Name
- Main top bar hosting:
  - Mode Selector: Tap to change operating mode.
  - Scene Selector: Tap to select a scene.
  - Tempo: Tap to open Tempo Settings.
  - Settings: Tap to open the Setup menu.
- [Quick Parameters](#)

## Live View

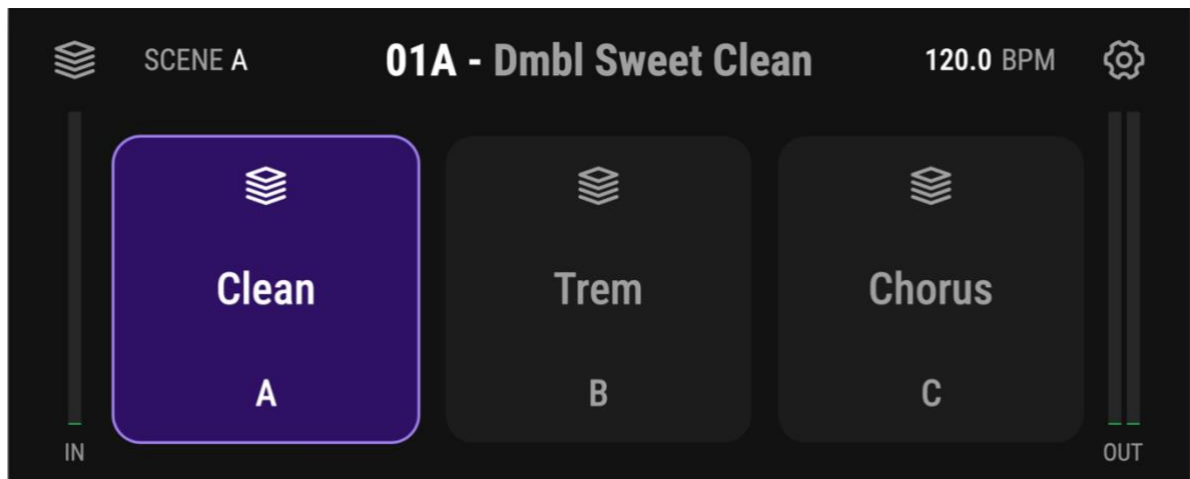


The Live View is designed to give you the most important information while playing live. It provides clear visibility of footswitch assignments and quick parameters during performance. The Live View changes depending on which mode is selected:

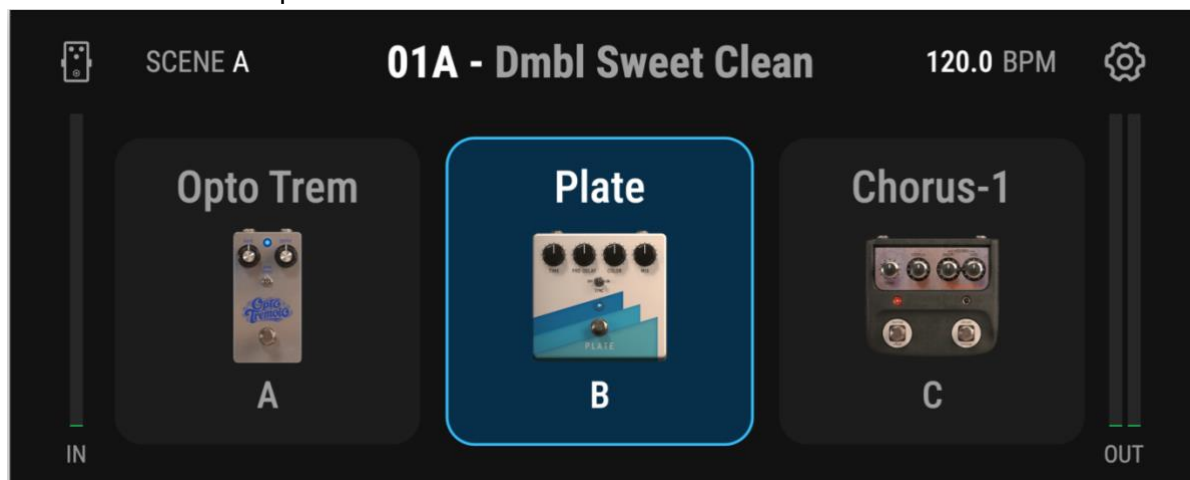
- When **Preset Mode** is selected the Live View shows the three presets available in the current bank.



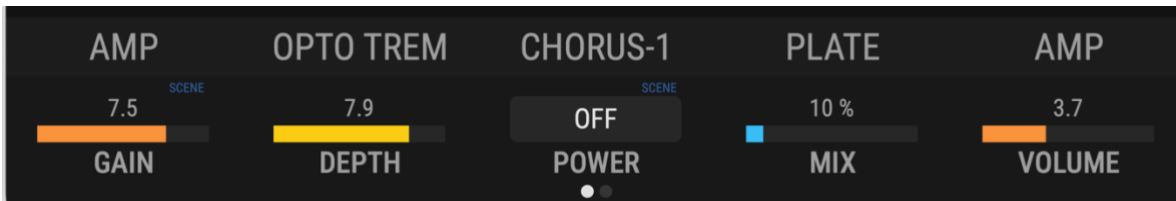
- When **Scene Mode** is selected the Live View shows the three scenes available in the current preset.



- When **Stomp Mode** is selected the Live View shows the three footswitch assignments made for the current preset.



## Quick Parameters



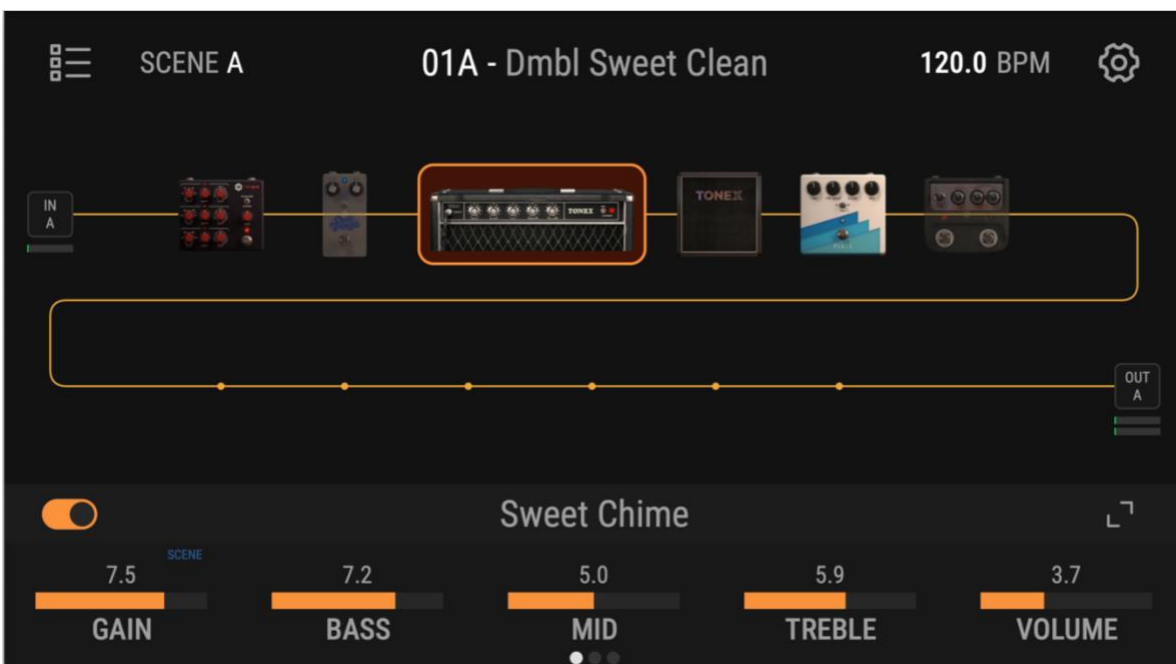
Quick Parameters provide immediate access to commonly adjusted controls from both Home View and Live View.

To assign a parameter to quick parameters:

1. Press the *EDIT* button to access the Edit View
2. Press and hold the parameter you want to assign.
3. In the Assignment Page select *Quick Parameter*
4. The parameter is now available in Quick Parameters.

To browse through parameter pages, swipe the parameter strip left or right.

## Edit View



The Edit View is the most in-depth view available inside TONEX Board.

Use Edit View to build, configure, and customize your signal chain.

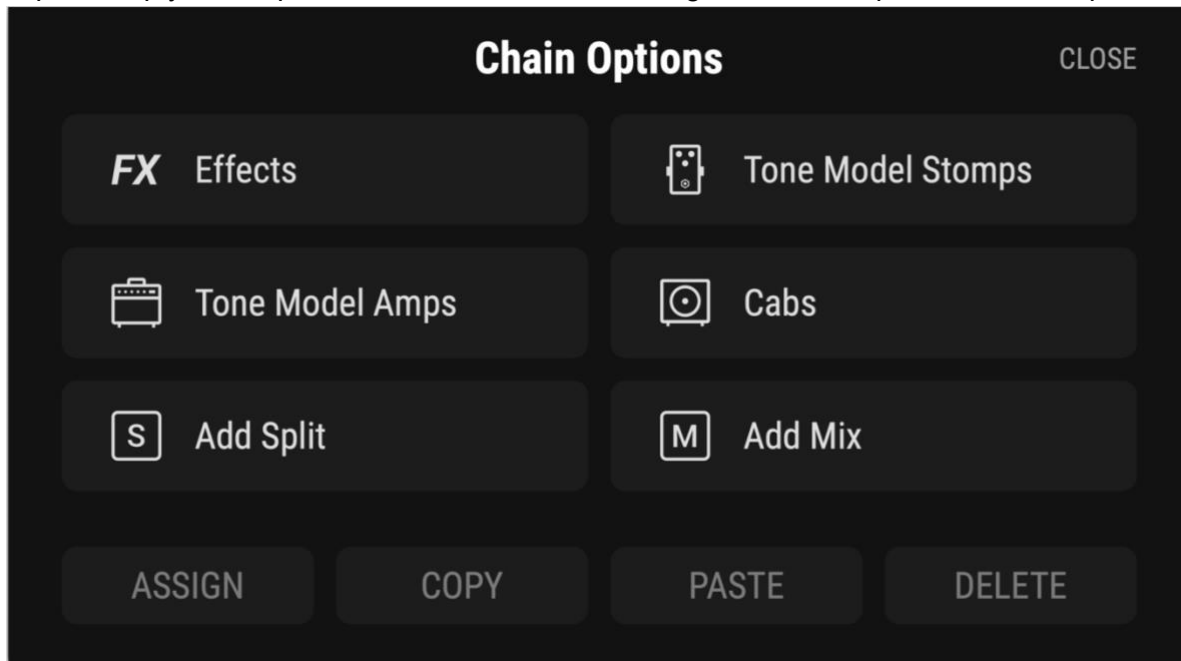
The parameter strip at the bottom of the display shows the editable parameters of the currently selected item.

To browse among different pages of parameters swipe left or right the parameter strip.

## Slots

The TONEX Board chain is composed of 12 slots organized into two paths, Path A (top) and Path B (bottom).

*Tap* an empty slot or *press and hold* an item in the signal chain to open the Chain Options menu.

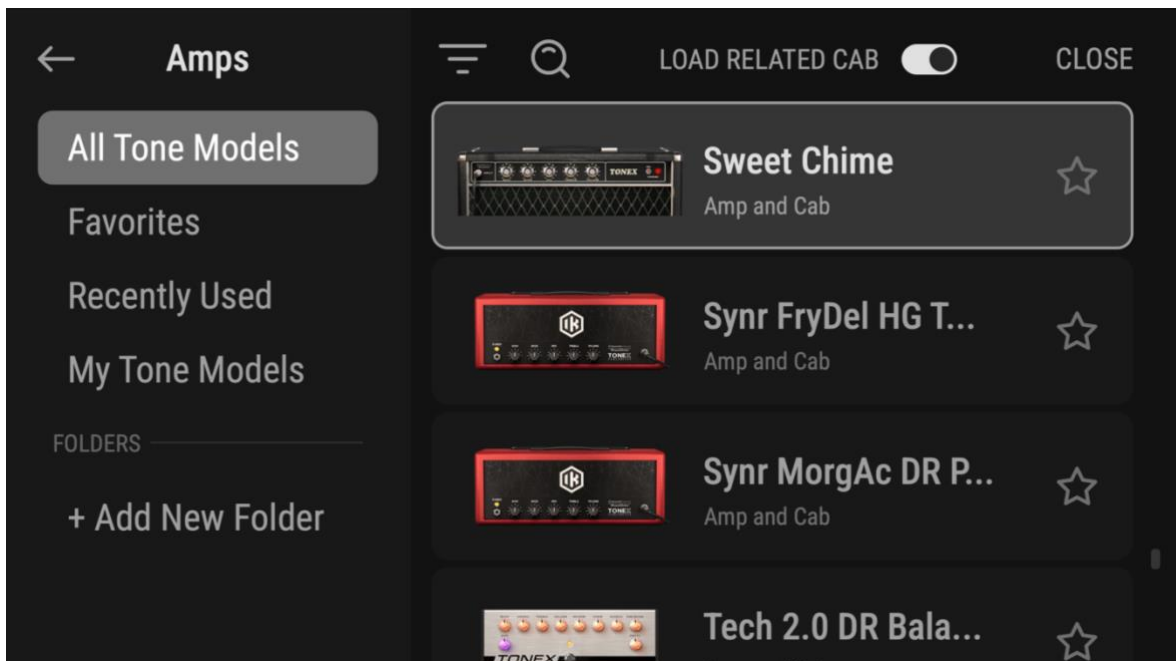


This menu provides options to:

- Add effects.
- Add Tone Model stomps.
- Add Tone Model amps.
- Add Tone Model cab.
- Add a split (only on Path A).
- Add a mix (only on Path A).
- Assign: Opens the assignment page.
- Copy: Copies the selected gear to paste it somewhere else in the chain.
- Paste: Pastes a previously copied gear.
- Delete: Deletes the selected gear

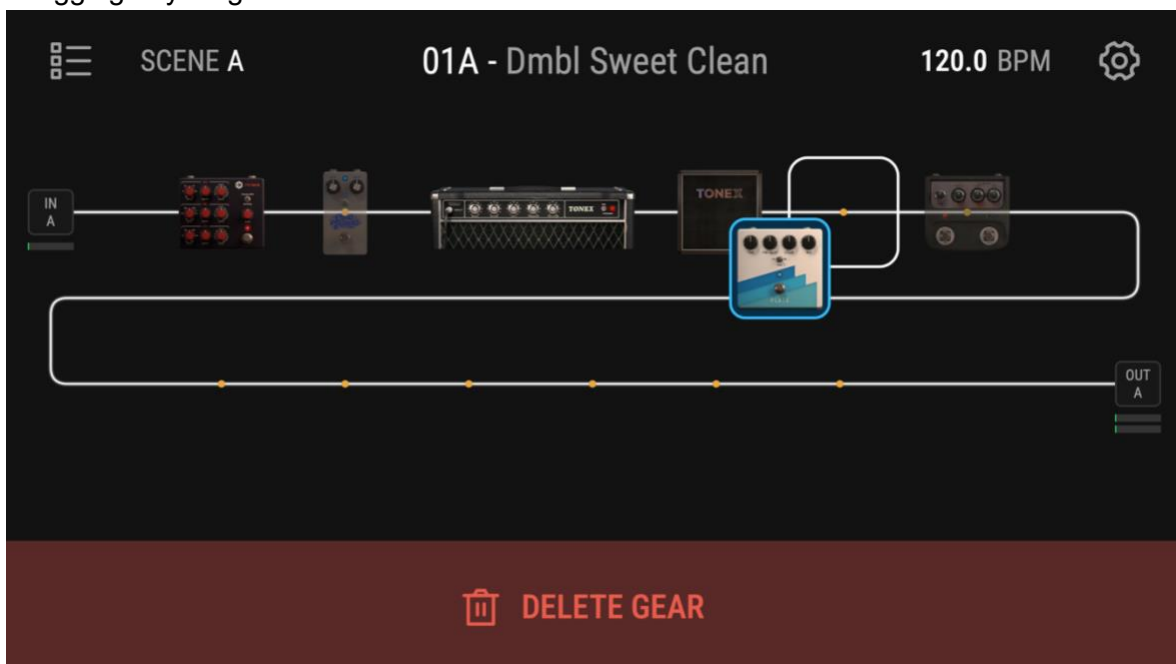
*Tap* the selected item or *press* the Browse encoder to open the corresponding browser.

*Rotate* the Browse encoder to audition other items within the same category.



Items can be repositioned within the signal chain using drag-and-drop.

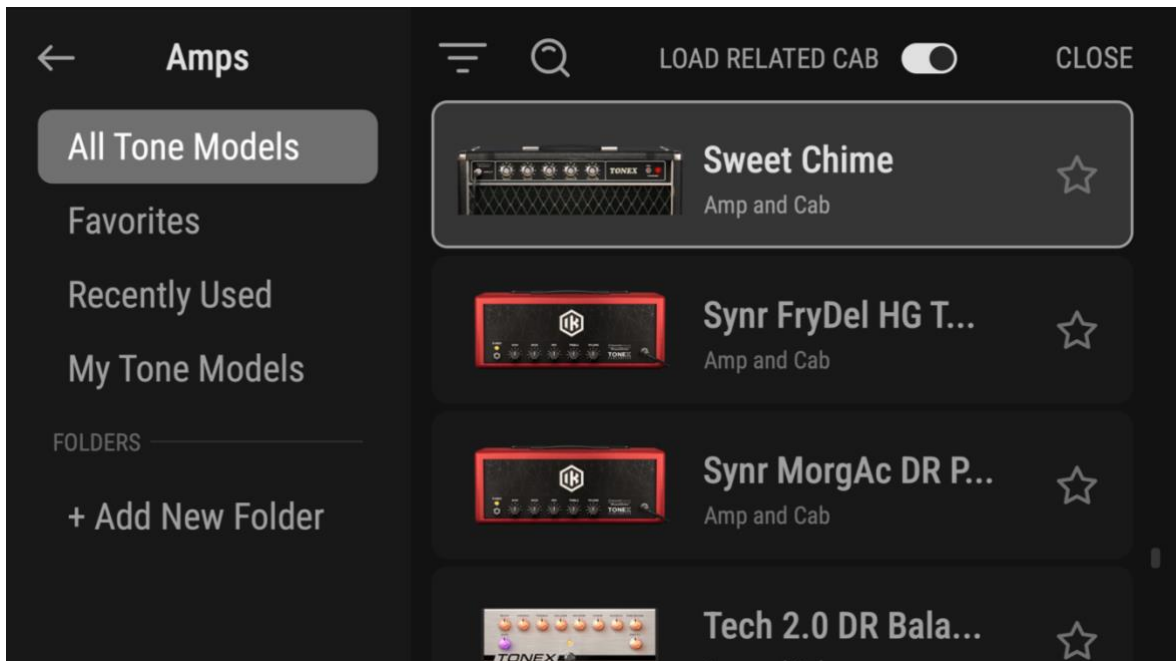
Dragging anything in the chain to the bottom area will delete the item.



Double-tap an item to bypass or enable it.

## Gear Browser

Each item category provides its own dedicated browser.



In each Gear Browser you can:

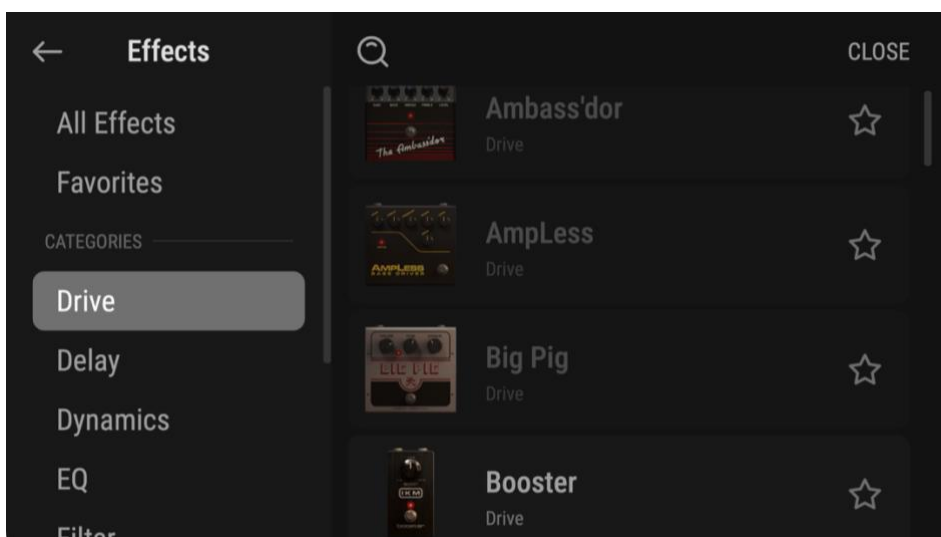
- Select the preferred subcategory from the left column.
- Add an item to Favorites by *tapping* the star icon.
- *Tap* the Search icon to find a specific item.

Tap an item to load it into the current signal chain and close the browser or use the Browse encoder to audition items without closing the browser.

While browsing the Gear Browser, some items may appear grayed out.

This indicates that the available DSP resources are insufficient to load the selected item.

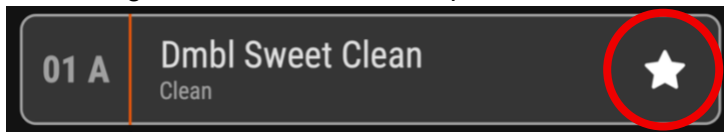
To make the item available, reduce the DSP load of the current preset by removing effects.



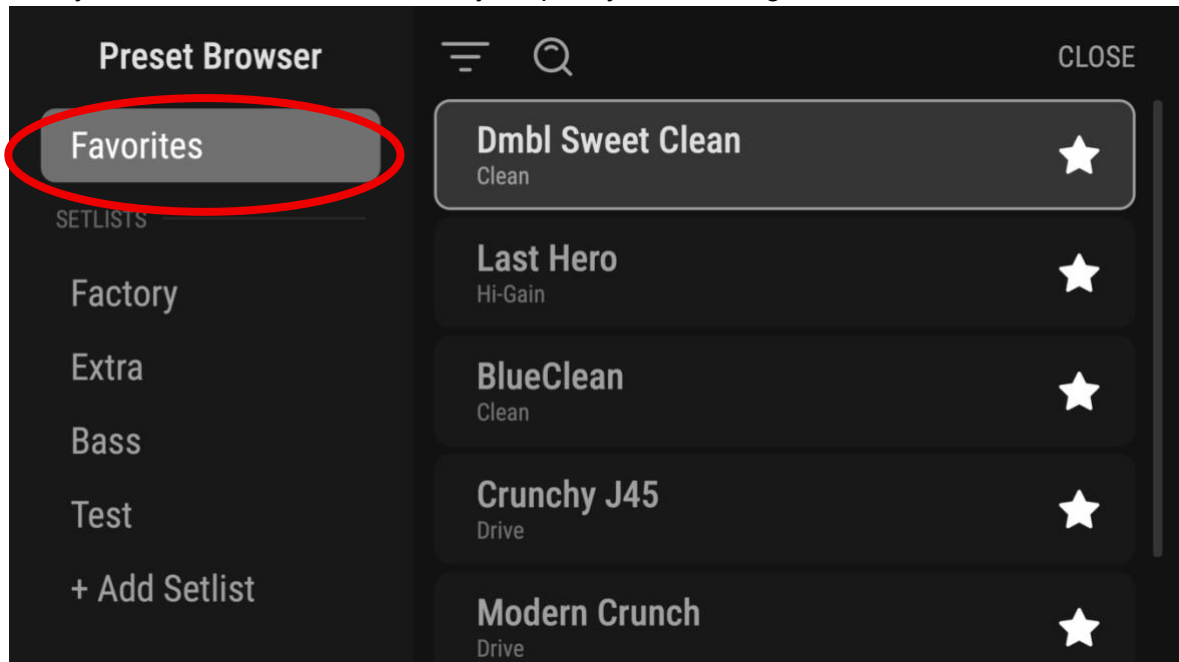
## Favorites

Favorites provide quick access to frequently used items.

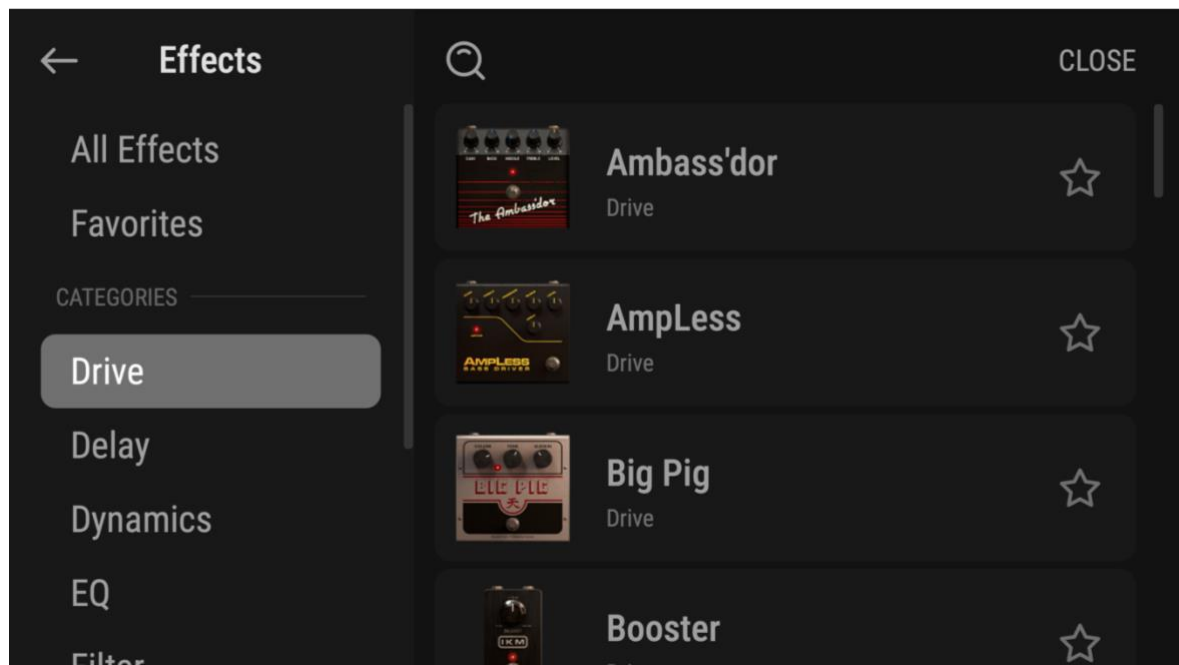
To add a gear to the favorite filter, press the star on the list item you'd like to add as favorite.



In any browser the Favorite tab lets you quickly access all gear marked as favorites.



## Effects

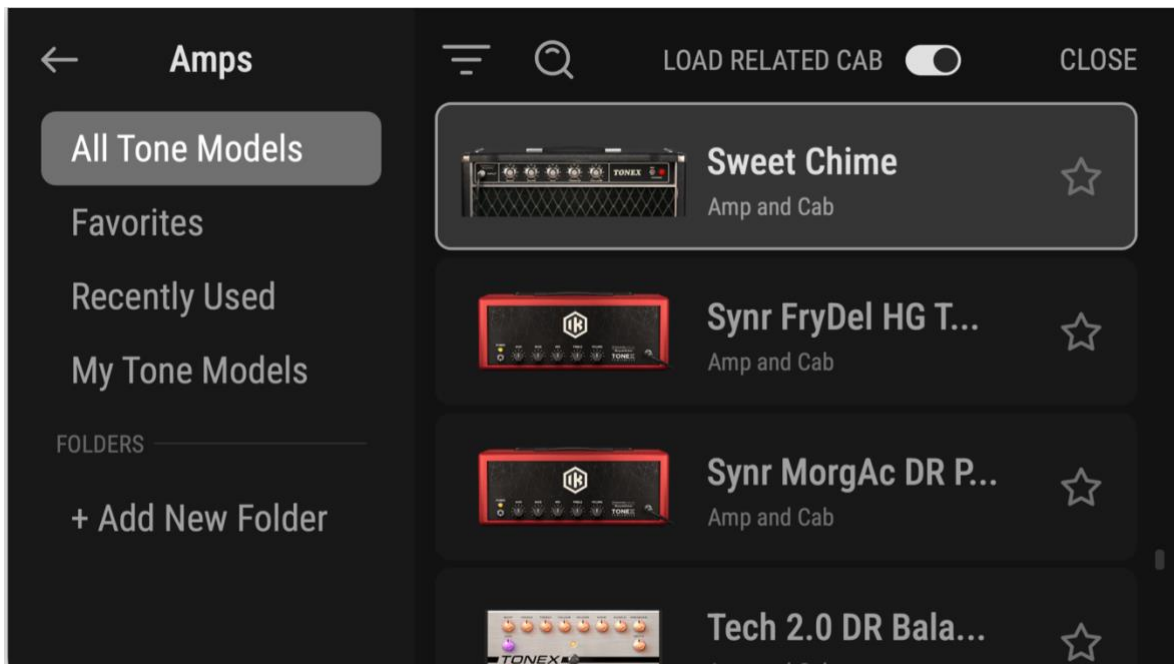


Effects are divided into the following categories:

- Drive
- Delay

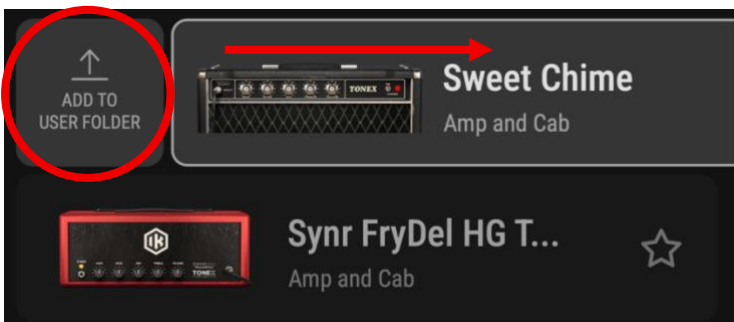
- Dynamics
- EQ
- Filter
- Modulation
- Pitch
- Reverb
- Utility

## Tone Models

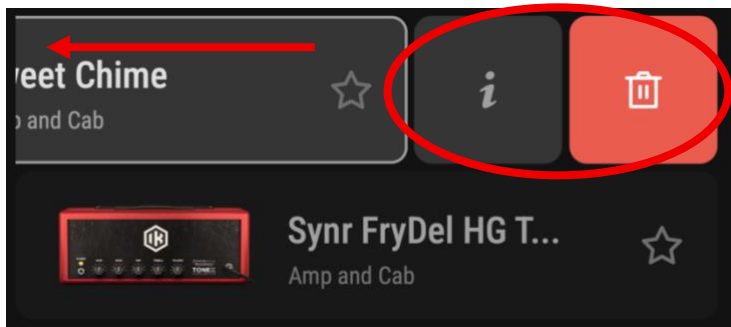


Tone Model Stomps, Tone Model Amps and Tone Model Cabs have their own dedicated browsers. All Tone Model Browsers have the same features and can be organized into custom folders by *tapping* "+ Add New Folder" in the left column.

In the Tone Model Browser, *swipe right* onto any Tone Model to add it to a folder.



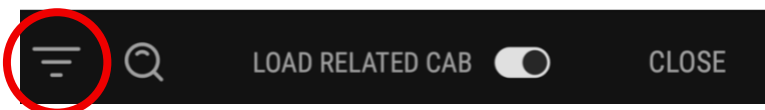
*Swipe left* to view Tone Model details or delete the Tone Model.

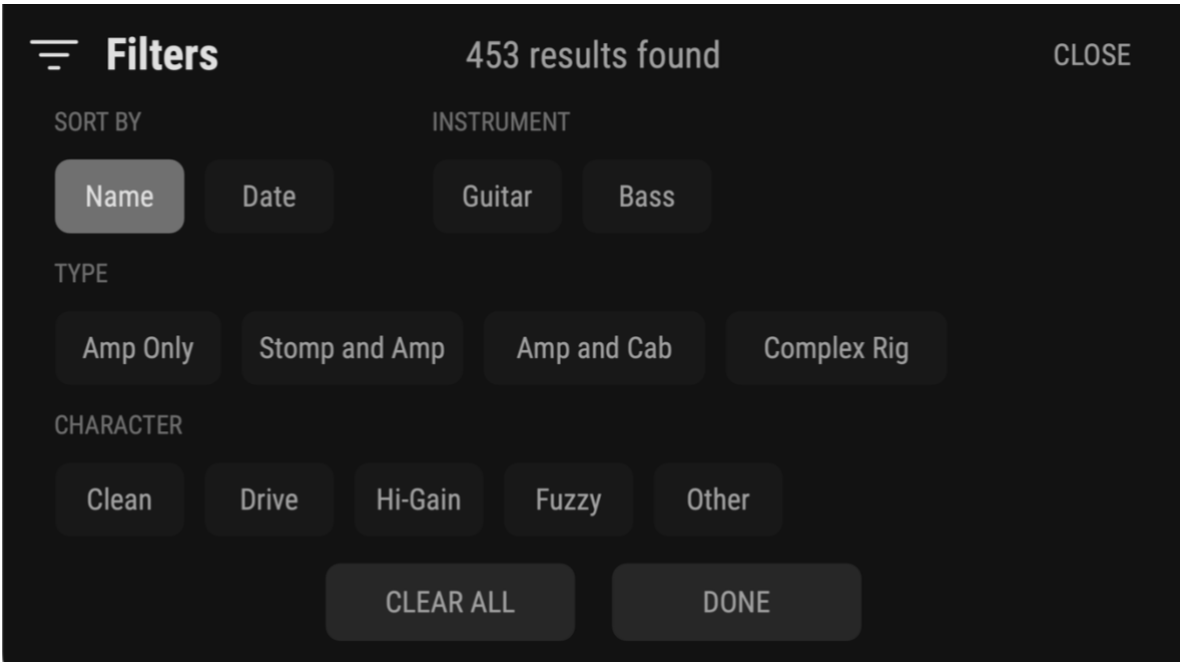


Tone Model Browsers also feature sorting & filters such as:

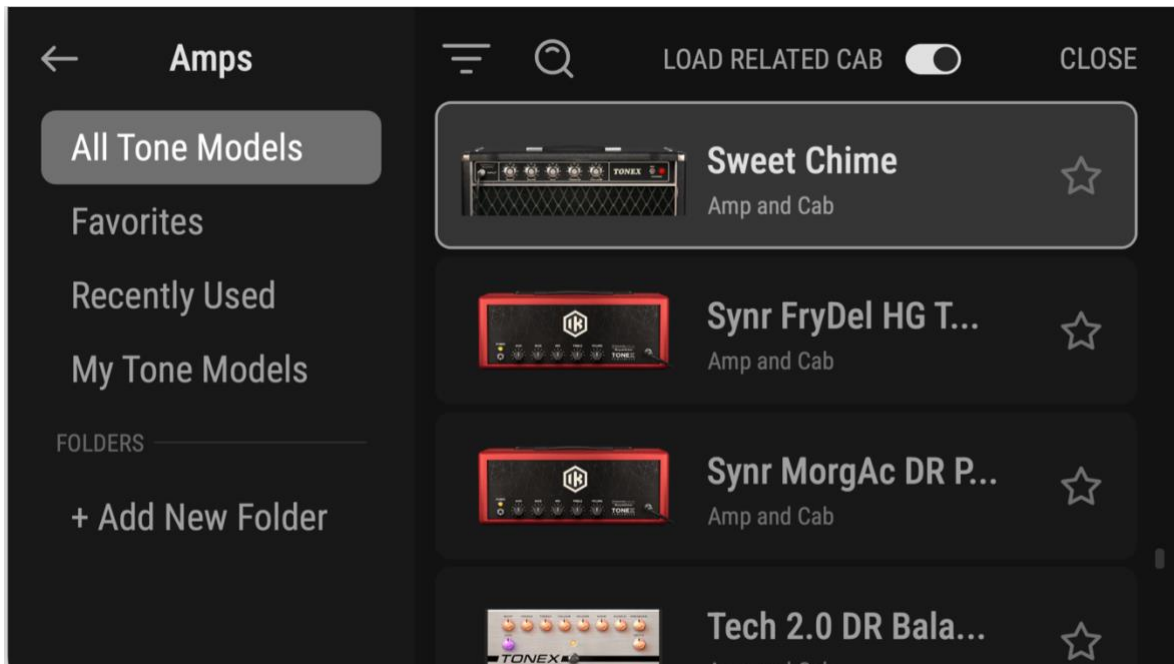
- Sorting: by name or by date
- Instrument: guitar or bass
- Character: Filters Tone Models by their amount of distortion.

Press the sorting & filter button to show sorting options and filters.



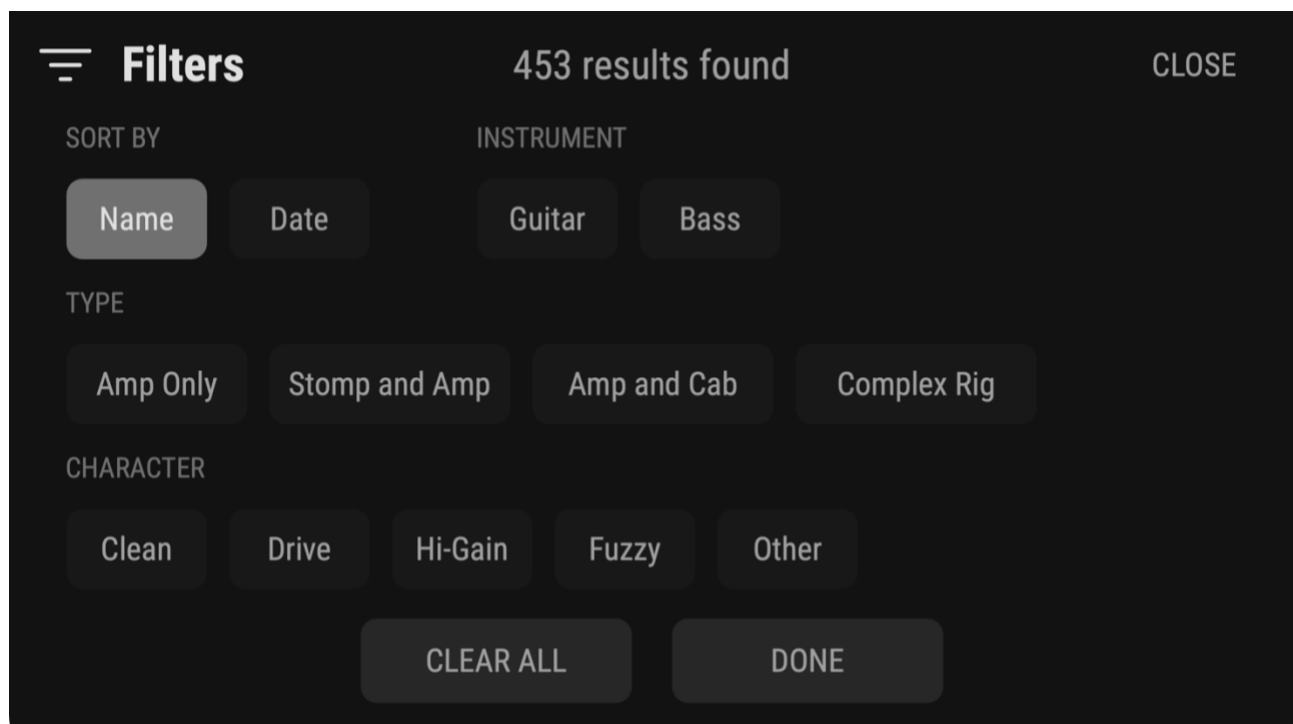


## Amp Tone Models Browser

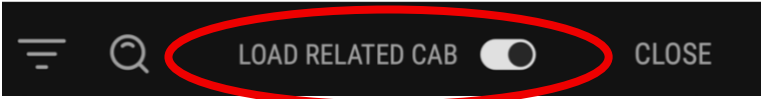


Amp Tone Models browser also features the “*type*” filter to filter by

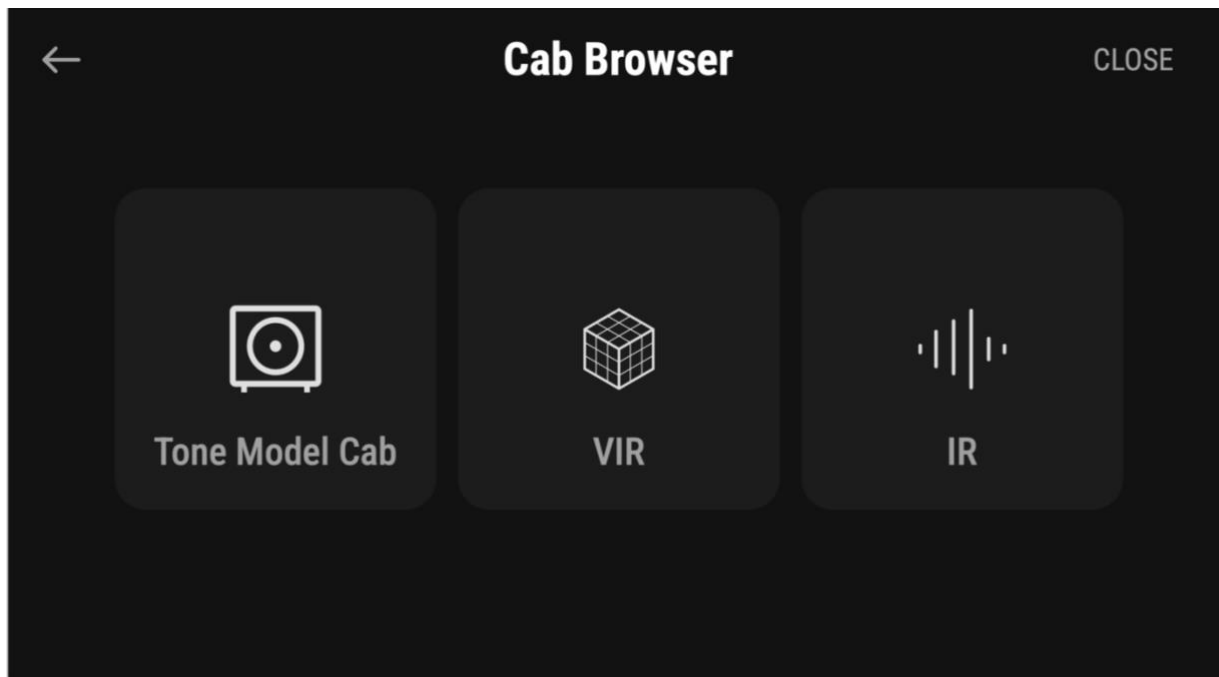
- Amp Only
- Stomp and Amp
- Amp and Cab
- Complex Rig



The Amp Tone Models Browser can optionally load the associated cabinet together with the selected amplifier.



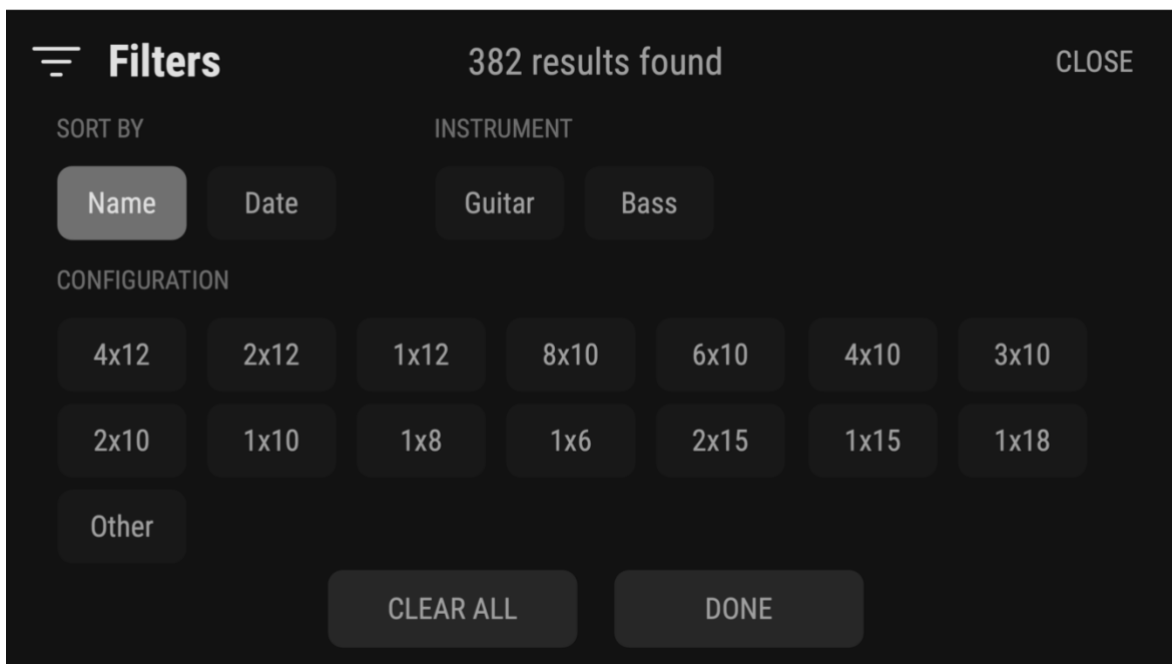
## Cab Browser



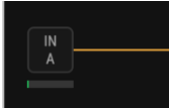
The Cab Browser can be used to browse:

- **Tone Model Cabs:** These are cabinets captured as Tone Models.
- **VIR:** An advanced Volumetric Impulse Response (VIR) system that allows microphone positioning adjustments.
- **IR:** Impulse responses imported from the TONEX Board Editor.

The Tone Model Cab Browser also includes a Configuration filter to filter by cab configuration (4x12, 2x12, and so on...).



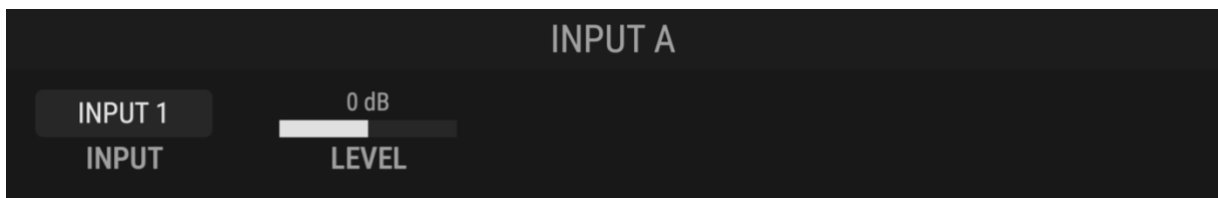
## Input



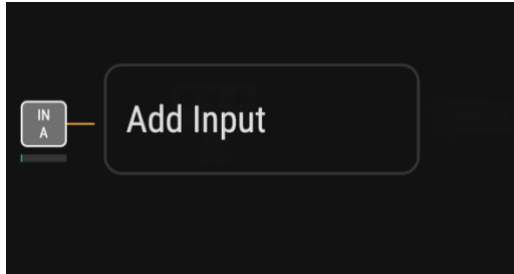
You can have up to two independent stereo inputs available in the chain, each input (A and B) can be assigned to:

- Input 1
- Input 2
- Input 1-2
- Return 1
- Return 2
- Return 1-2

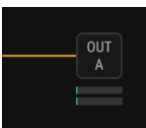
*Tap* the input block to open the input parameters.



*Press and hold* an input block to add a secondary input.



## Outputs



You can have up to two independent stereo outputs available in the chain, each output A or B can be assigned to:

- Off
- XLR Output 1
- XLR Output 2
- XLR Output 1-2
- Output 3
- Output 4

- Output 3-4
- All: Sends the same signal to both XLR Outputs 1-2 and Outputs 3-4.

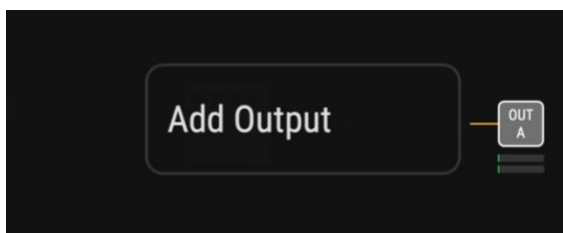
In addition, Send 1 and Send 2 can be used as additional outputs using the following configuration:

- Off
- Send 1
- Send 2
- Send 1-2

You can have up to 2 stereo inputs and 2 stereo outputs: select the Input and Output modules to configure signal routing.



Press and hold any output to add a secondary output.



## Types of chain

TONEX Board can create the following types of chain:

- **Serial:** 12 slots placed in series.



- **Split:** A split on Path A provides 6 slots on Path A and 6 parallel slots on Path B with two independent outputs.



- **Mix:** A mix on Path A provides 6 slots on Path A and 6 parallel slots on Path B with two independent inputs.



- **Split & Mix:** A splitter and a mixer on Path A provide 6 slots on Path A and 6 parallel slots on Path B merging into one output.



- **Parallel:** Two independent 6-slot chains with their dedicated inputs and outputs.



## Splitters & Mixers

A splitter and a mixer can be added to Path A to use Path B as a parallel signal path.

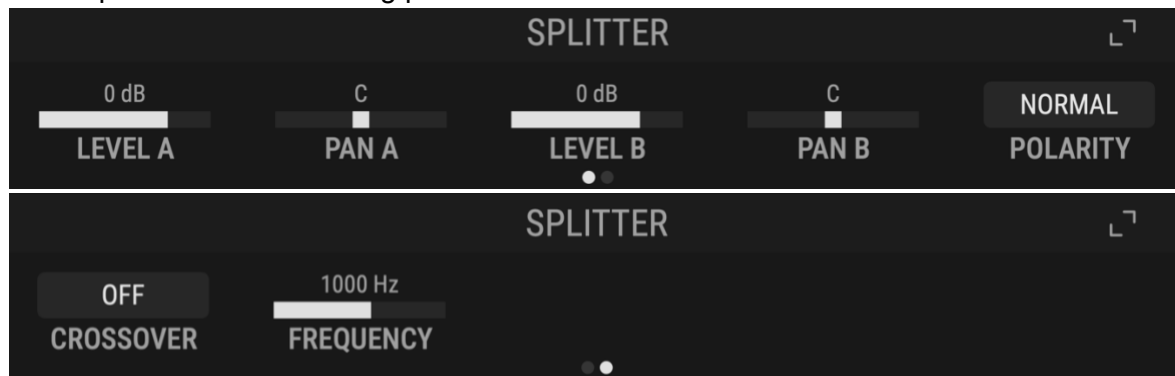
To add a splitter or a mixer, *press and hold* any slot in the chain and select add Split/Mix.

To delete a splitter or a mixer, drag it to the bottom area.

### Splitter



Each splitter has the following parameters:

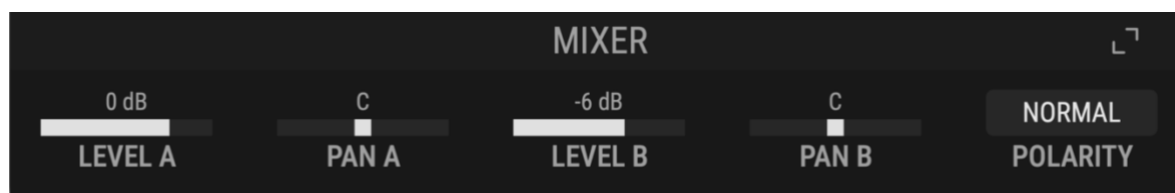


- **Level A:** Controls the signal level sent to Path A.
- **Pan A:** Controls the stereo position of Path A.
- **Level B:** Controls the signal level sent to Path B.
- **Pan B:** Controls the stereo position of Path B.
- **Polarity:** Inverts the polarity of Path B to help resolve phase issues.
- **Crossover:** Enables the crossover to split the signal in two frequency ranges.
- **Frequency:** Sets the crossover frequency: below this frequency, everything is sent to Path A; above it, the signal is sent to Path B.

### Mixer



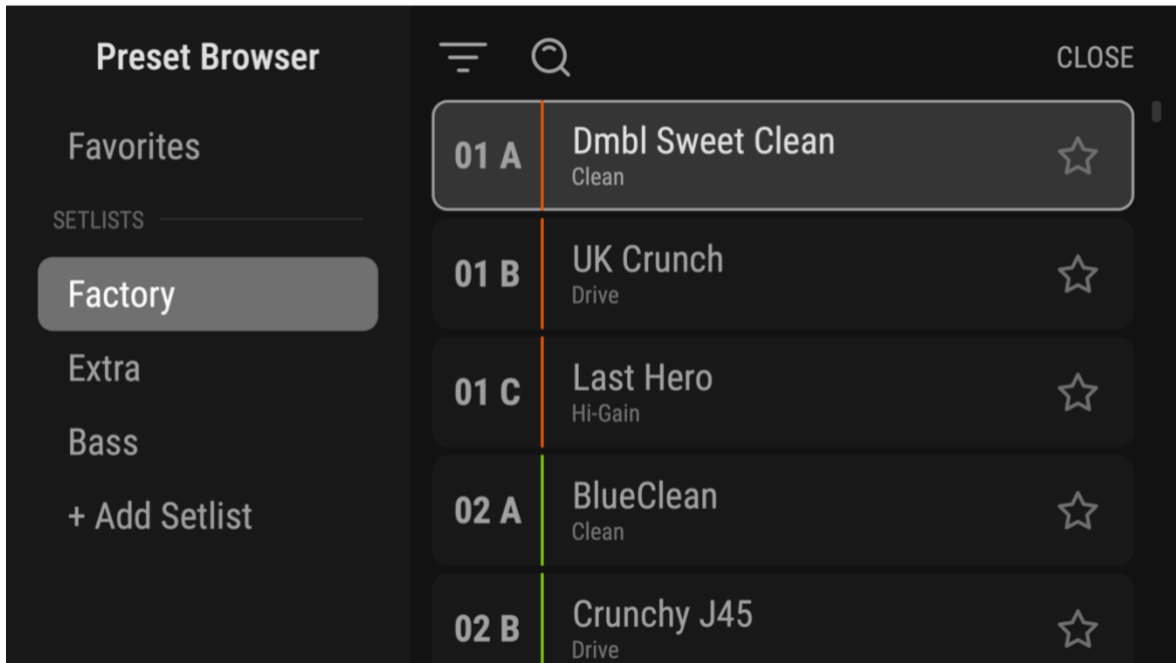
Each mixer has the following parameters:



- **Level A:** Controls the amount of Path A routed to the mixed output.
- **Pan A:** How the Path A branch is panned on the mixed output.
- **Level B:** Controls the amount of Path B routed to the mixed output.

- **Pan B:** How the Path B branch is panned on the mixed output.
- **Polarity:** Inverts polarity of Path B branch to avoid phase issues.

## Preset Browser

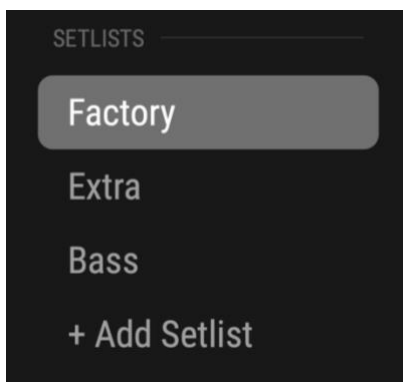


Press the Browse encoder to open the Preset Browser.

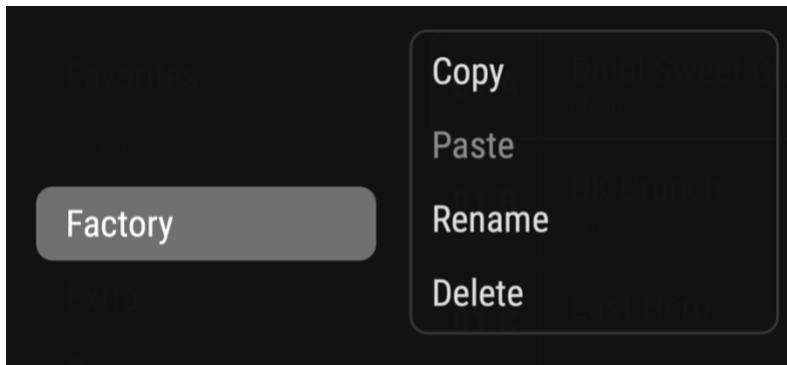
The left panel provides access to Favorites, factory setlists, and up to 12 user-created setlists.

### Setlists

Setlists organize presets into 40 banks of three presets each, allowing TONEX Board to store up to 1,440 presets.



Press and hold any preset in the Preset Browser to copy/paste it wherever you want, even to different setlists. Press and hold any setlist to copy, paste, rename, or delete the setlist

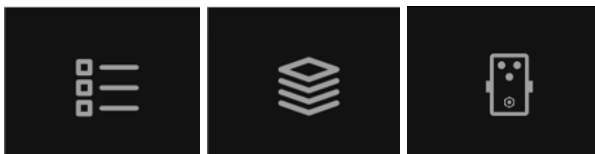


## Modes

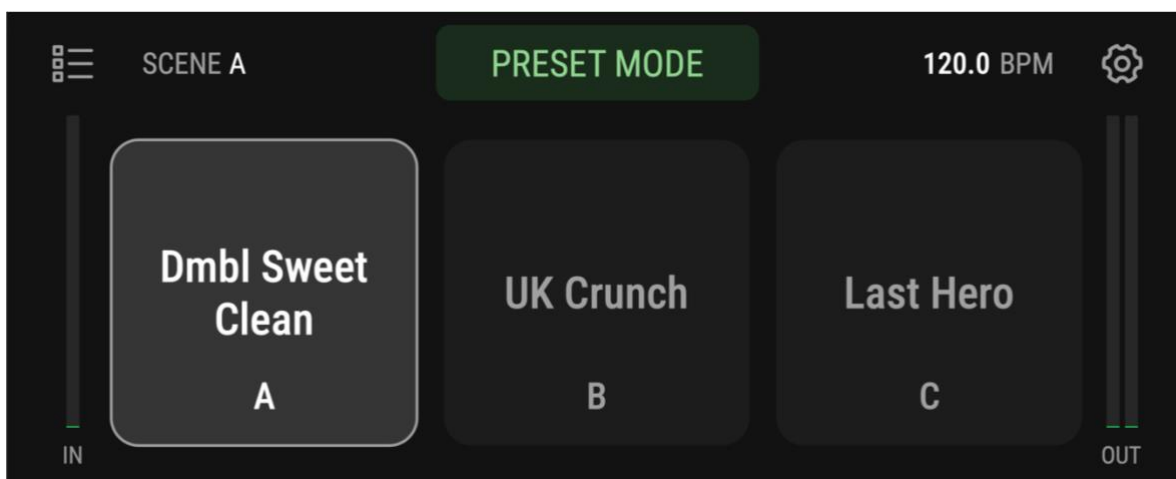
TONEX Board footswitches can operate in three modes:

- **Preset:** Each footswitch recalls a preset in the current bank.
- **Scene:** Each footswitch recalls a scene in the current preset.
- **Stomp:** Each footswitch enables/bypasses an assigned slot in the current preset.

To change mode, press the CTRL footswitch when in mode cycling or tap the Mode icon in the upper-left corner of the display.



### *Preset Mode*

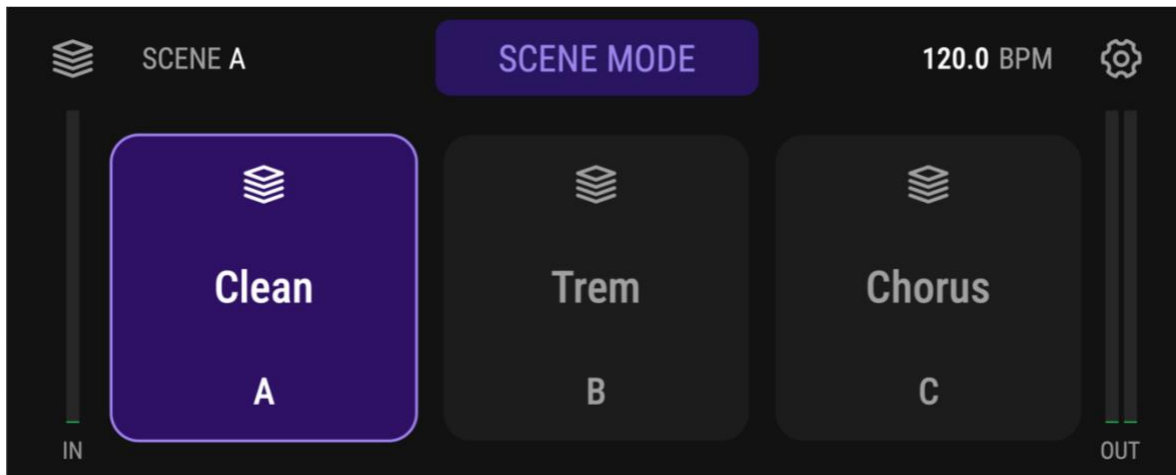


In Preset Mode, each footswitch loads one preset from the currently selected bank.

While in Preset Mode:

- **A + B:** Loads the previous bank of three presets.
- **C + CTRL:** Loads the next bank of three presets.
- **B + C.** Enters the tuner.

## Scene Mode



In Scene Mode each footswitch corresponds to a scene of a preset.

Scene Mode allows you to recall up to three variations of the current preset without changing presets.

Each scene stores slots' bypass states and parameter values, so you can switch between different scene configurations seamlessly - no loading gaps, no audio dropouts.

Press a footswitch to jump between scenes.

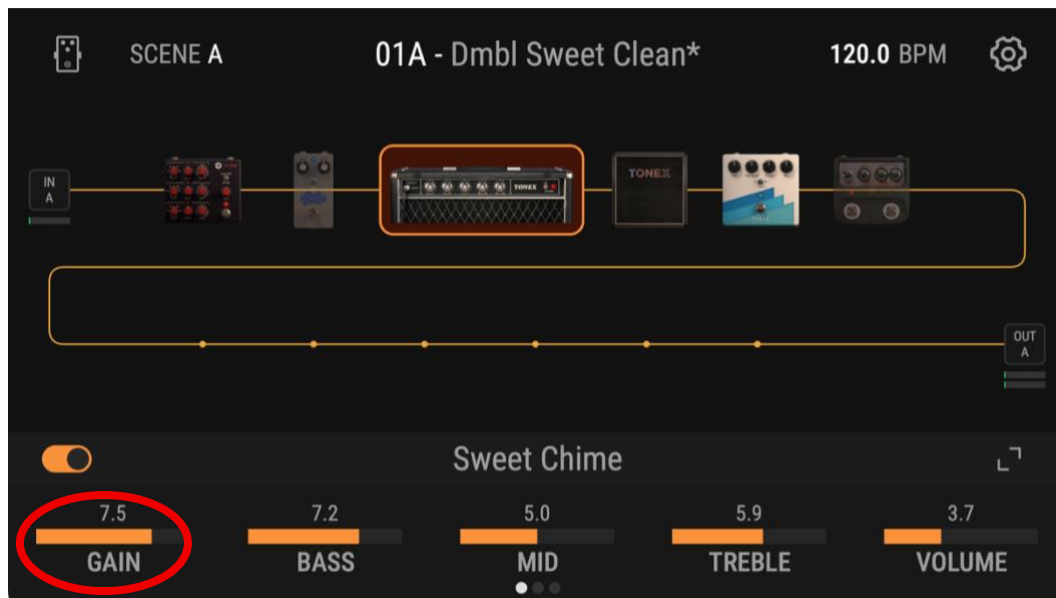
While in Scene Mode:

- **A**: Loads scene A.
- **B**: Loads scene B.
- **C**: Loads scene C.
- **A + B**: Loads the previous preset.
- **C + CTRL**: Loads the next presets.
- **B + C**: Enters the tuner.

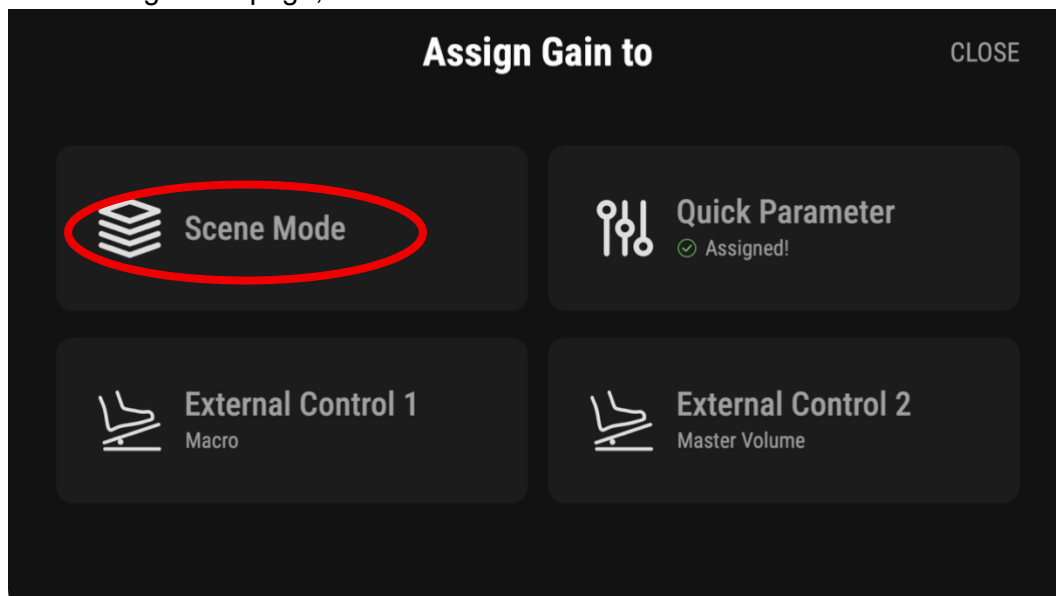
---

To assign a parameter to Scene Mode:

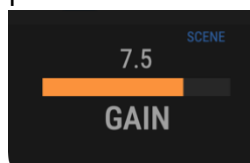
1. Press the *EDIT* button to access the Edit View
2. *Press and hold* the parameter you want to assign to Scene Mode



3. In the Assignment page, select Scene Mode.



4. A blue “**SCENE**” label will appear beside the parameter and from now on editing the parameter will change its value only in the selected scene.



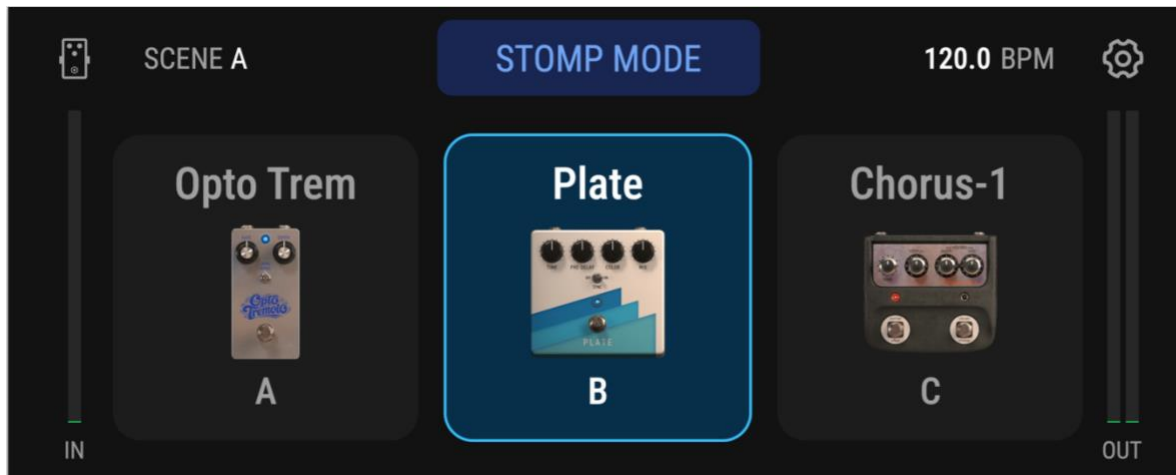
5. Editing the parameter will now change its value only in the currently selected scene.

To remove a parameter from Scene Mode:

1. Press the *EDIT* button to access the Edit View
2. *Press and hold* the parameter you want to remove from Scene Mode (in this case “gain”)
3. In the Assignment Page select *Scene Mode* to remove the assignment (the blue “**SCENE**” label will disappear).

Each preset is automatically loaded in the scene it was saved.

## Stomp Mode



In Stomp Mode each footswitch corresponds to an assigned effect slot of the current preset.

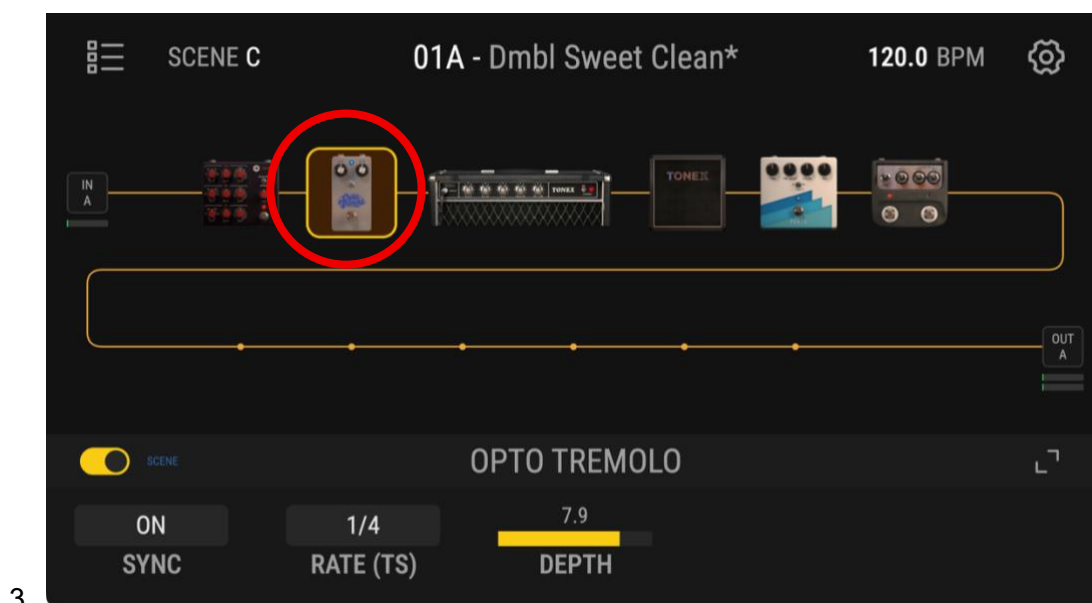
In Stomp Mode, each footswitch can control the bypass state of one or more assigned effects. Each switch controls the bypass state of a specific block - kick in a drive, engage a delay, or mute a reverb on the fly. Build and tear down your tone in real time, block by block, without ever leaving your preset.

While in Stomp Mode:

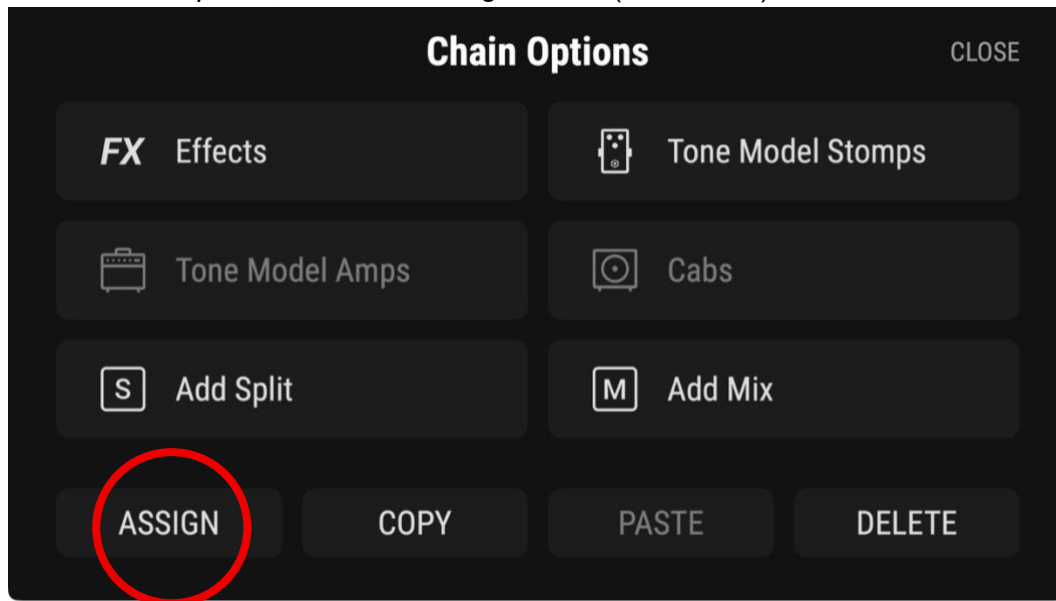
- **A**, **B**, and **C**: Activate or bypass the effects assigned to each footswitch.
- **A + B**: Loads the previous preset.
- **C + CTRL**: Loads the next presets.
- **B + C**: Enters the tuner.

To assign a slot to Stomp Mode:

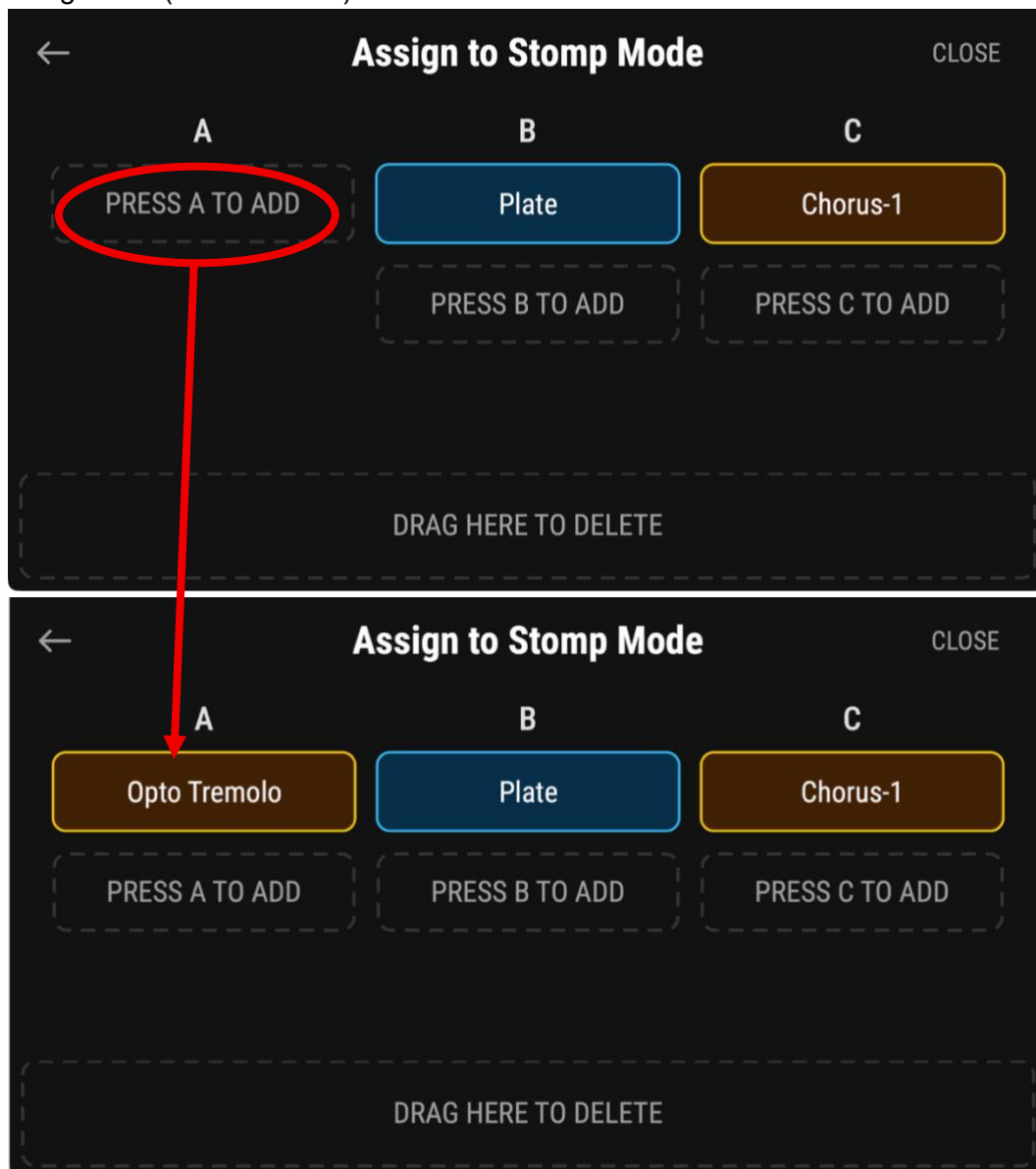
1. Press the *EDIT* button to access the Edit View
2. *Press and hold* the slot you want to assign to Stomp Mode (for example, Opto Tremolo)



4. In the *Chain Options*, select the *Assign* button (bottom left)



5. In the *Assign to Stomp Mode* page, press the footswitch to which you want to make the assignment (in this case A)

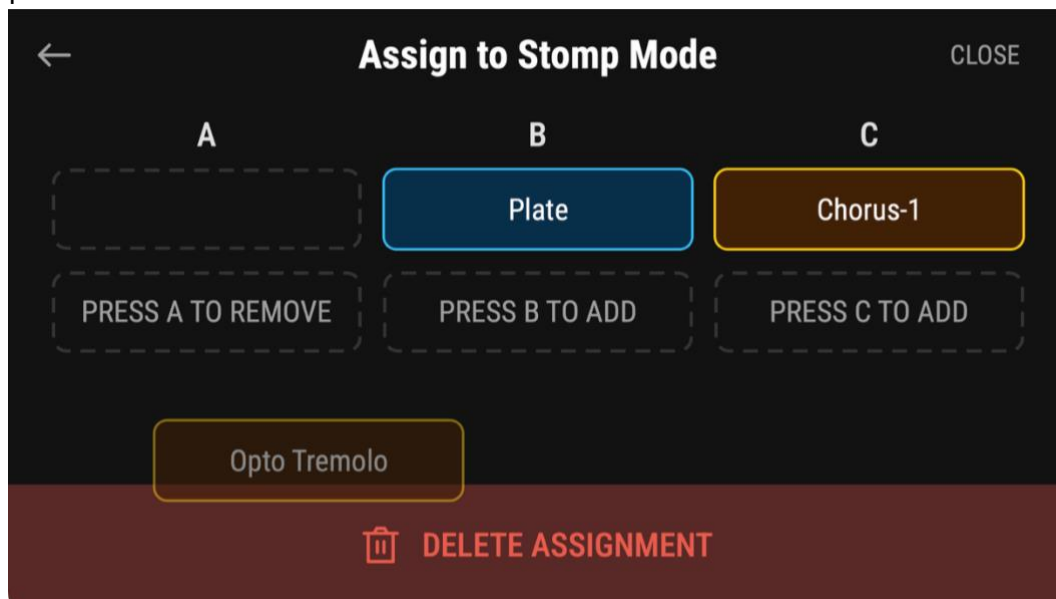


6. *Tap* the *Close* button (top-right) to go back to the Edit View
7. The selected footswitch now controls the bypass state of the assigned slot while Stomp Mode is active.

---

To remove a slot from Stomp Mode:

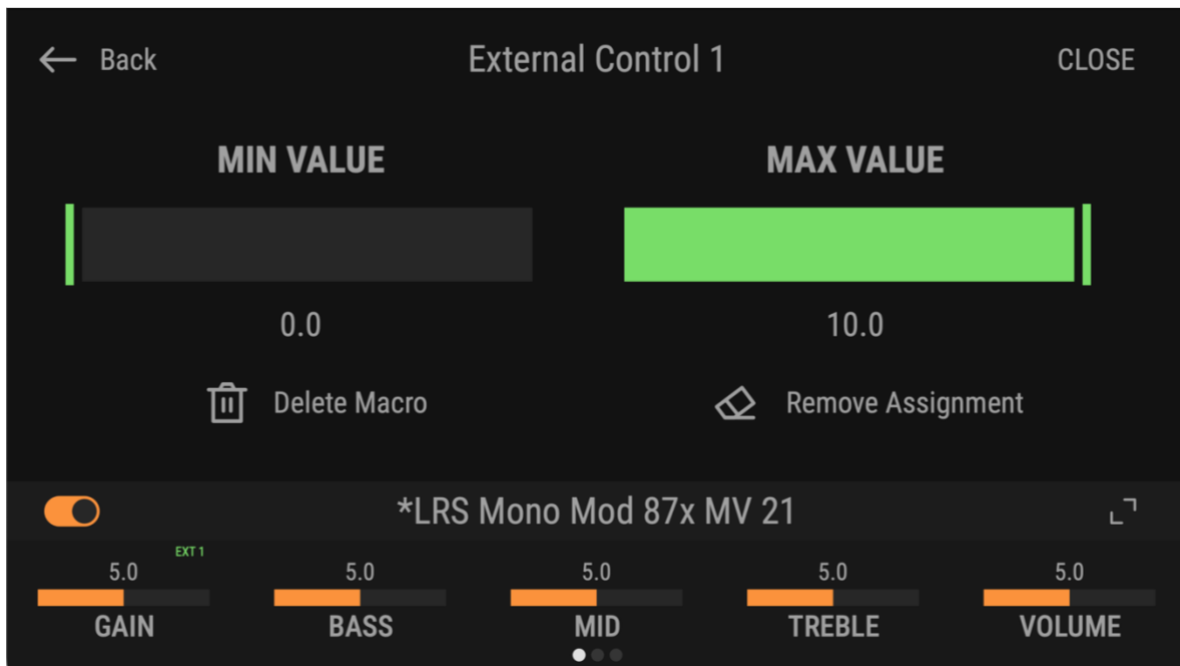
1. Press the *EDIT* button to access the Edit View
2. *Press and hold* the slot you want to assign to Stomp Mode
3. In the *Chain Options* select the *Assign* button (bottom right)
4. In the *Assign to Stomp Mode* page, drag the assignment you want to remove in the bottom part of the screen.



5. *Tap* the *Close* button (top-right) to go back to the Edit View
  6. The slot is now removed from the Stomp Mode assignment
-

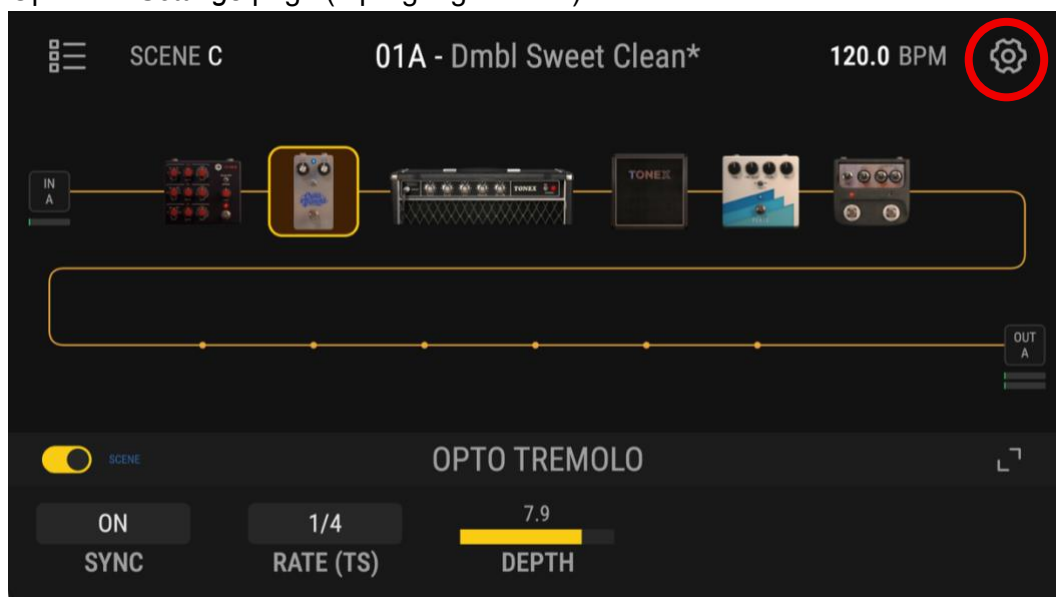
## Macros

A Macro allows multiple parameters to be controlled simultaneously using a single external controller.

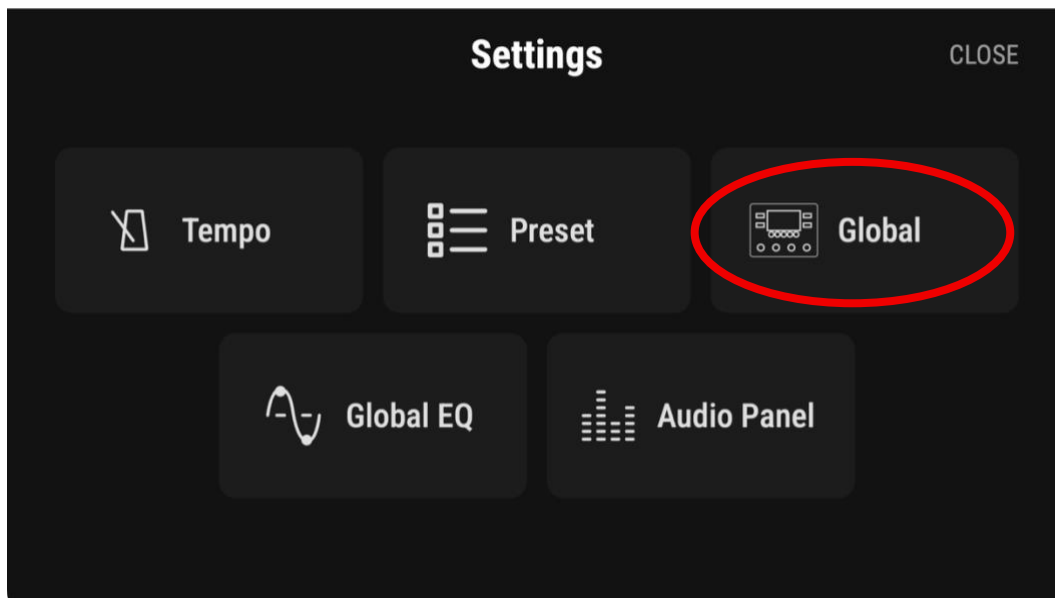


To set an external footswitch (expression pedal or single switch) to be used as macro control:

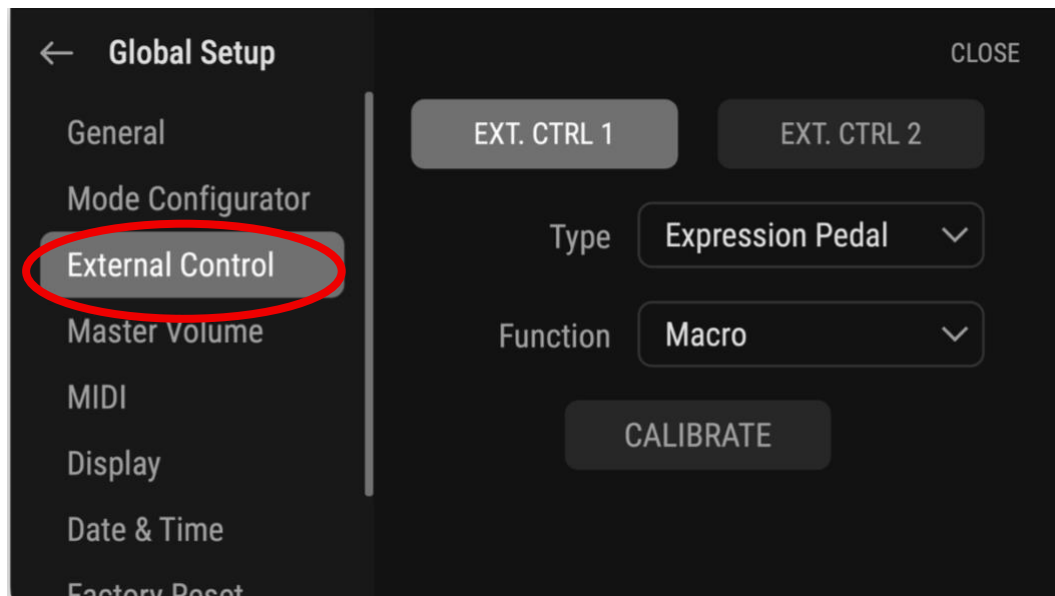
1. Open the *Settings* page (top-right gear icon)



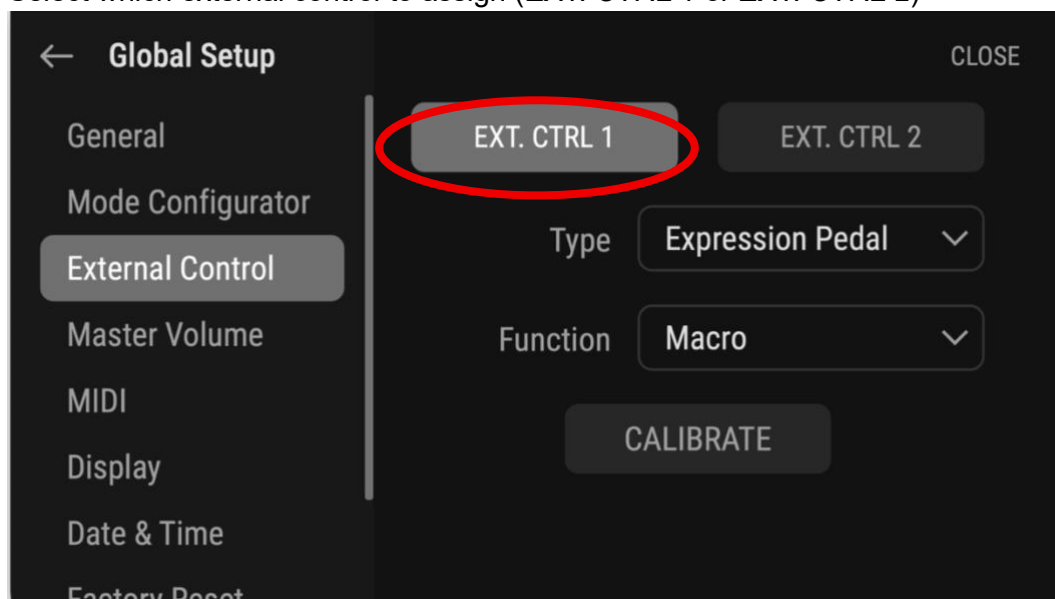
2. Select *Global*



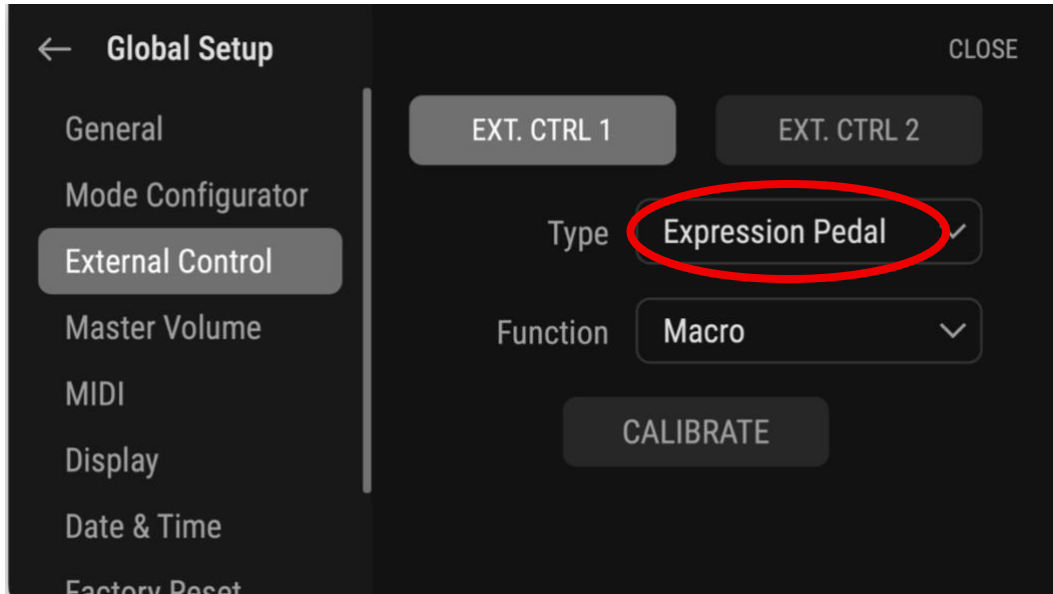
3. Select External Control



4. Select which external control to assign (*EXT. CTRL 1* or *EXT. CTRL 2*)



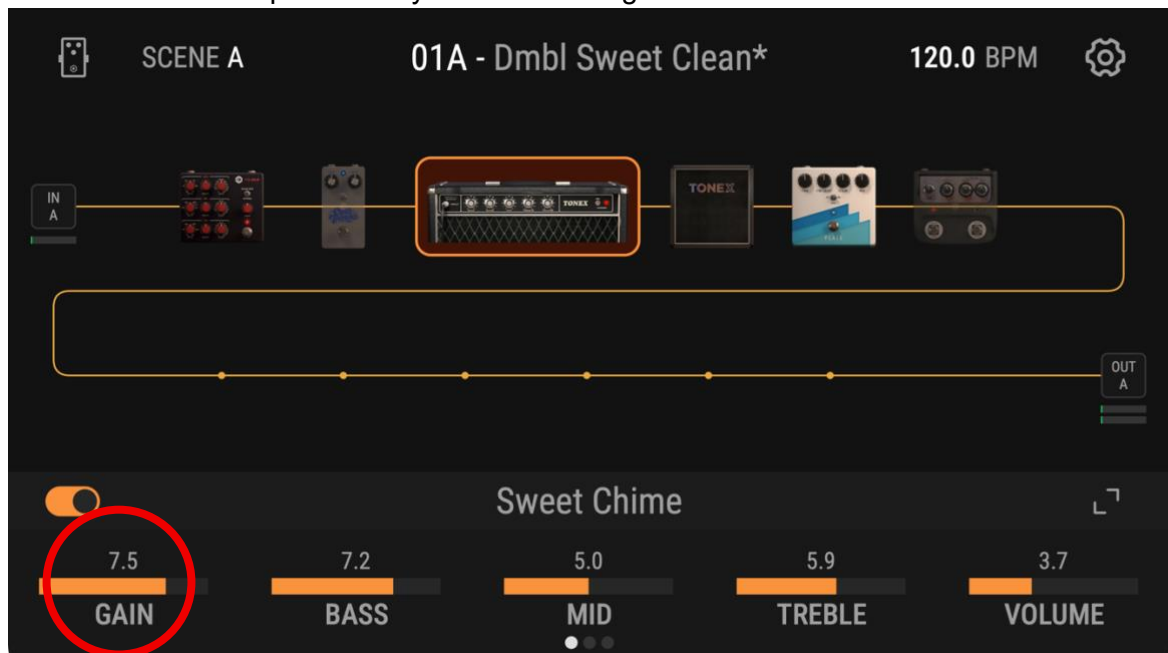
- Set the type accordingly to the connected external pedal (*Single Switch* or *Expression Pedal*)



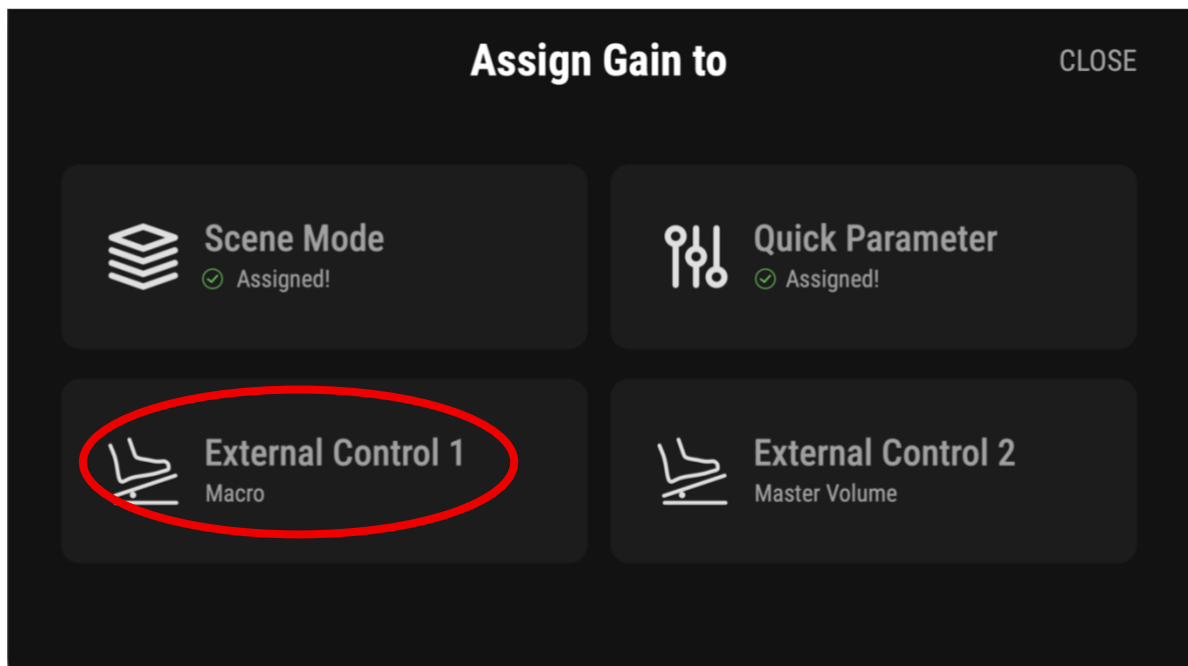
- Expression Pedal: set the function to Macro and use the *CALIBRATE* button to calibrate the expression pedal
- Single Switch: set the function to *Macro Toggle* (if the macro change should be persistent) or *Macro Momentary* (if the macro change should be momentary) and set the Configuration accordingly to the connected pedal

To add a parameter to a macro control:

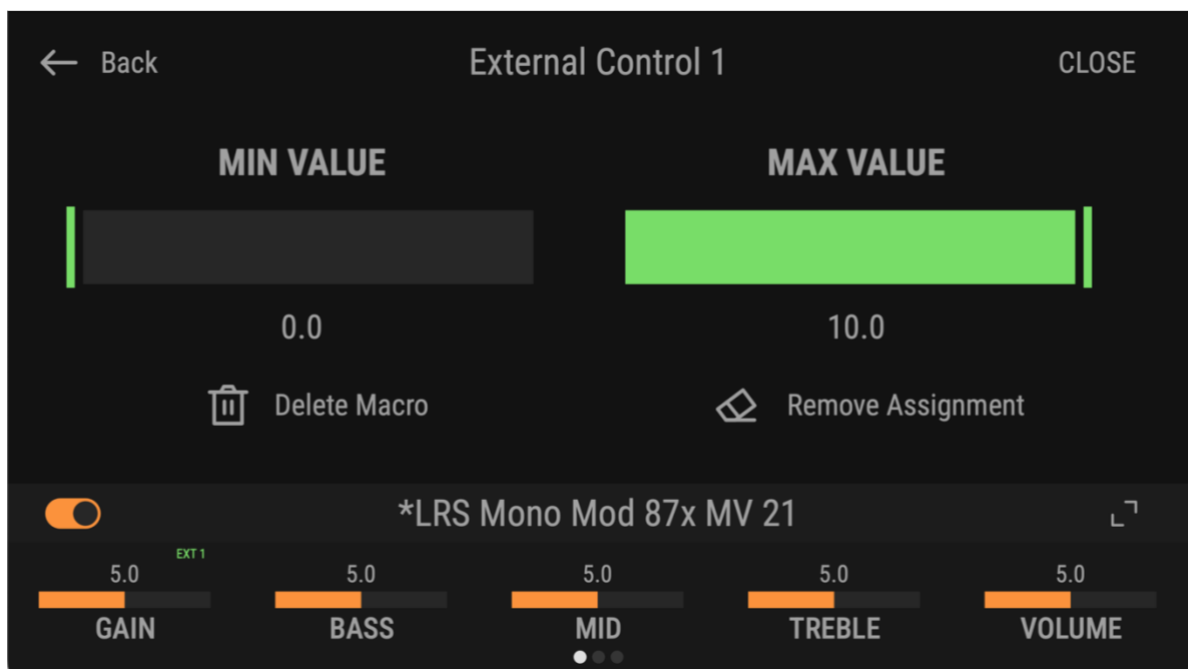
- Press the *EDIT* button to access the Edit View
- Press and hold the parameter you want to assign



- Select the external control you want to assign to control the macro



4. On the next page set the min and max values to set the range of the parameter inside the macro

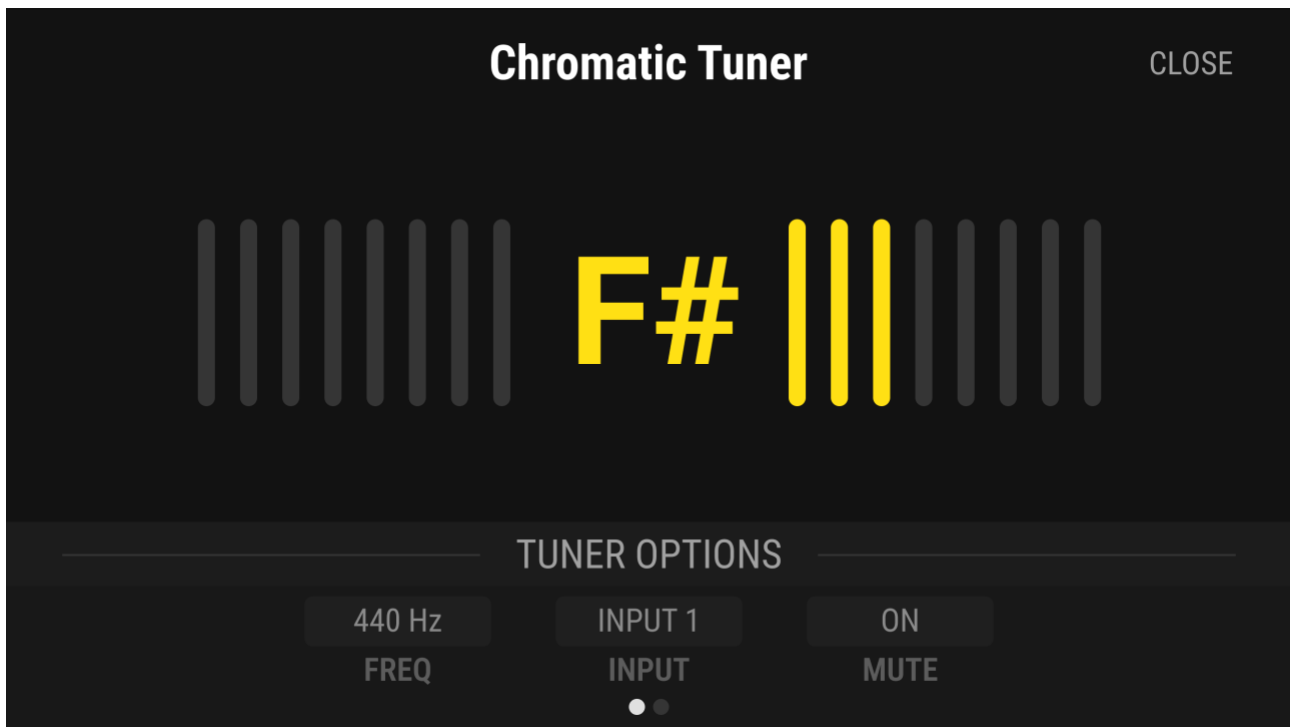


5. Tap Close to return to Edit View.
6. Now the external control will update the parameter value in real time

The following additional options are available:

- **Delete Macro:** Deletes the macro assigned to the selected External Control together with all its parameter assignments
- **Remove Assignment:** Deletes the current parameter assignment from the selected External Control macro

## Tuner



Press B + C simultaneously to open the Tuner.

In addition, you can access the tuner by pressing the current preset footswitch.

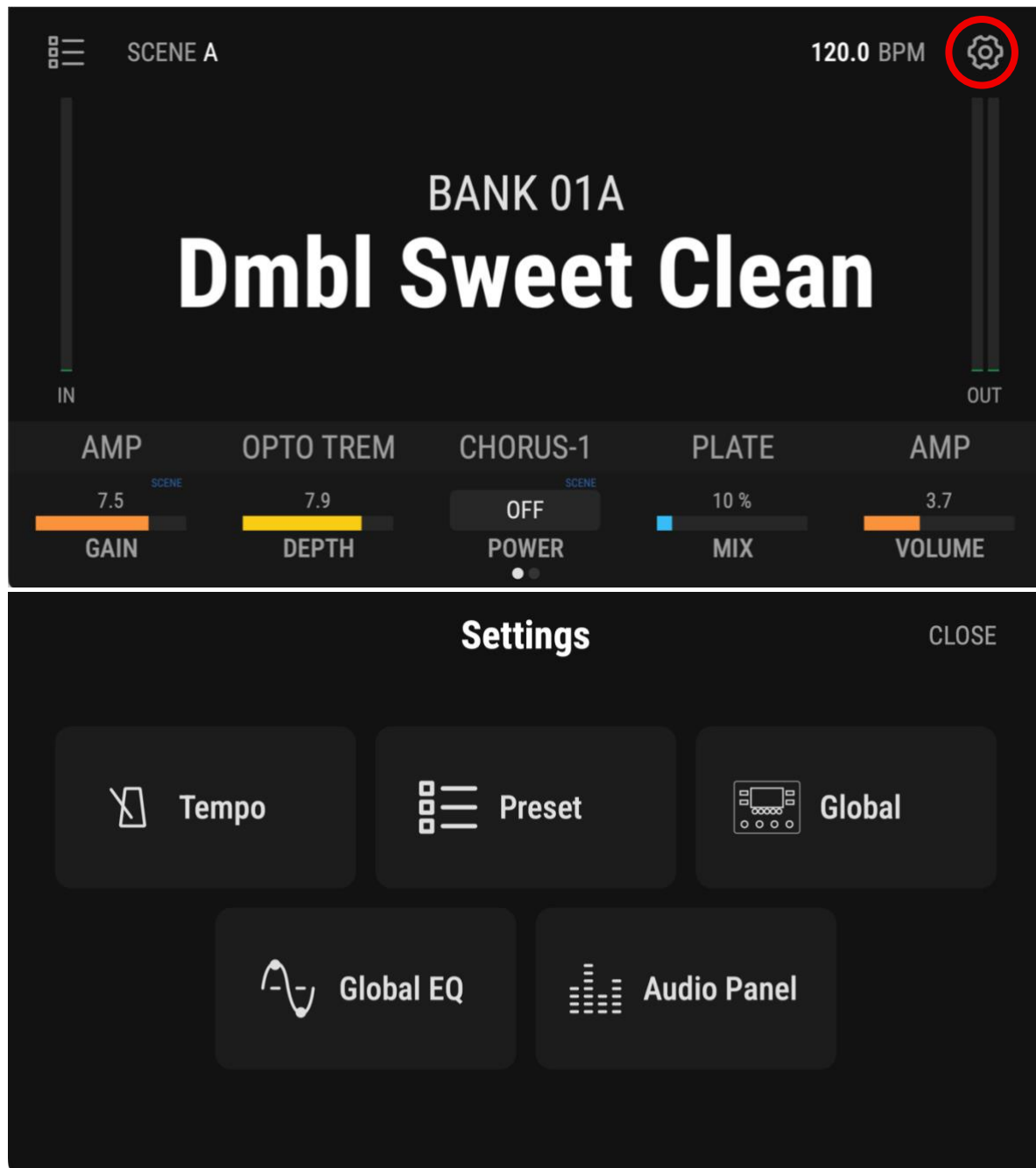
**Note:** you can't access the tuner when TONEX Board is set to work with footswitches at press and Stomp Mode is active. In this case you should exit from Stomp Mode and press the current scene footswitch or consider using an external control to enable the tuner.

The tuner offers some options for tuning settings:

- **Freq:** Selects the reference frequency for A4.
- **Input:** Selects the input monitored by the tuner.
- **Mute:** Determines whether the signal is muted while the tuner is active.

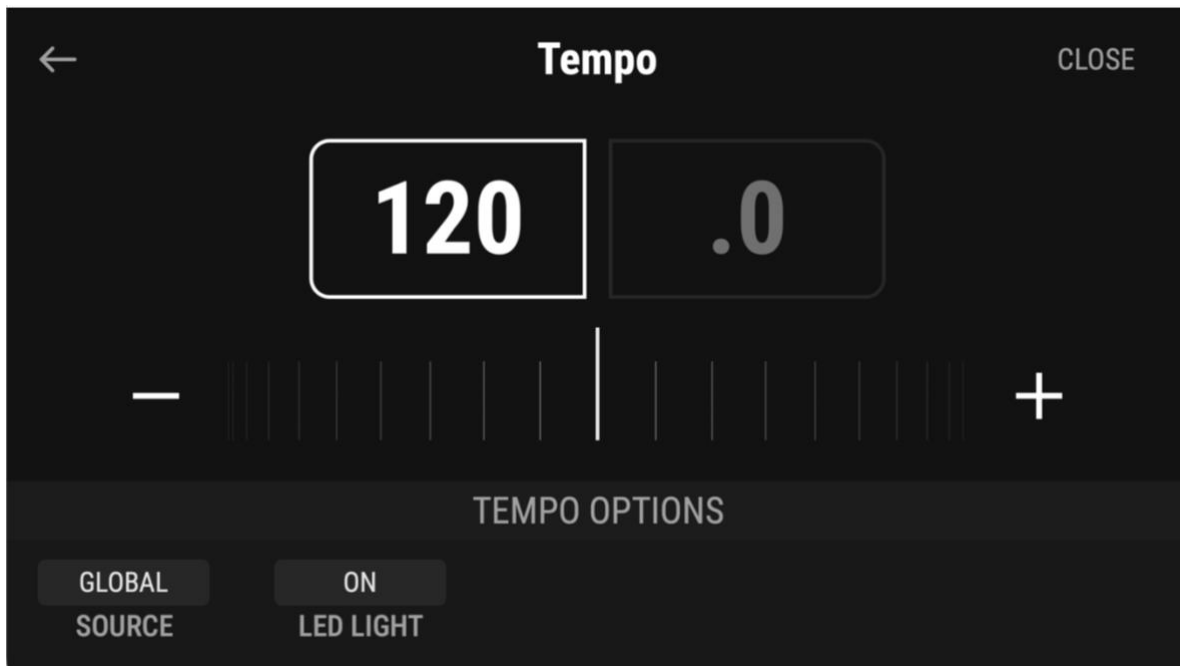
## Setup

Tap the Settings icon in the upper-right corner to open Setup.



## Tempo

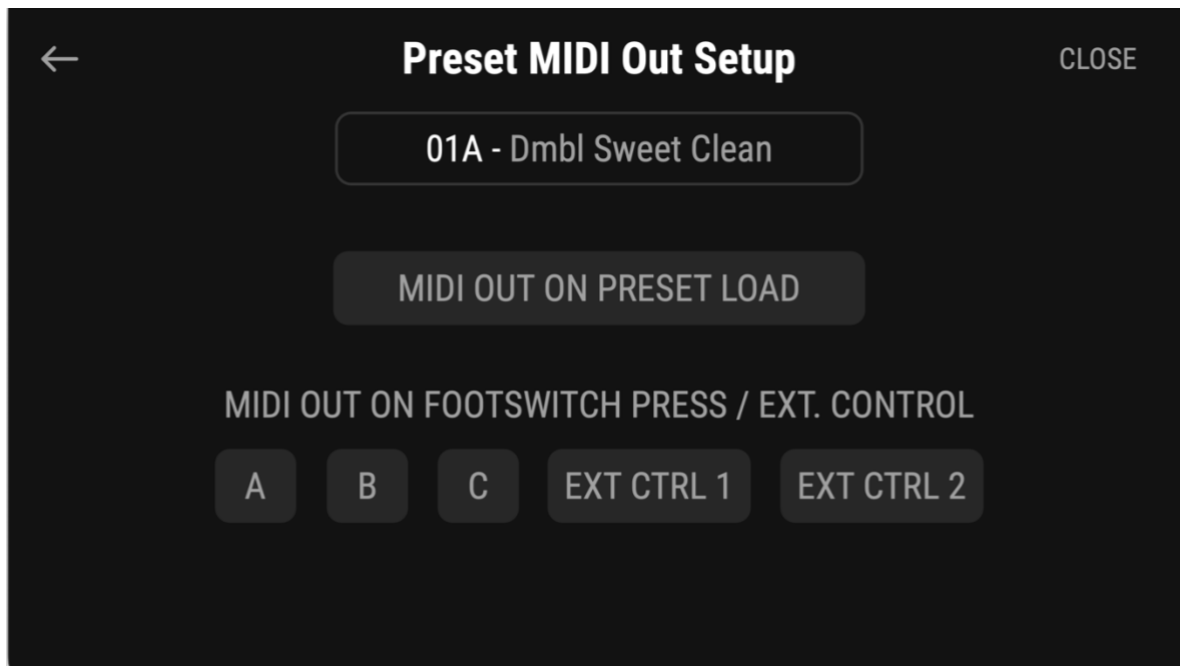
The tempo page is dedicated to editing the BPM tempo.



- **Source:** Determines whether tempo is stored globally or per preset/scene.
- **LED light:** Turns on or off the tap tempo light indicating the current tempo.

## Preset

The preset page lets you edit what happens in terms of MIDI messages when the preset is loaded or when each footswitch is pressed.



- **MIDI OUT ON PRESET LOAD:** Allows TONEX Board to send MIDI messages when the selected preset is activated.
- **A | B | C | EXT CTRL 1 | EXT CTRL 2:** Lets you decide which MIDI messages should be sent out of TONEX Board when the corresponding footswitch is pressed.

Both options open the **MIDI Out Assignment** table.



To add a MIDI assignment:

1. Use the parameter bar to configure:

- **Type:** CC (control change)

| ASSIGNMENT |    |       |          |
|------------|----|-------|----------|
| CC         | 2  | 2     | GLOBAL   |
| TYPE       | CC | VALUE | MIDI CH. |

- **CC:** Sets the control change number (0 – 127)
- **Value:** Sets the value of the control change (0 – 127)
- **MIDI Channel:** Sets which channel to use for this message (1 – 16)  
Global: Uses the channel specified in Global MIDI Settings.

- **Type:** CC TOGGLE (control change toggle)

| ASSIGNMENT |    |           |           |          |
|------------|----|-----------|-----------|----------|
| CC TOGGLE  | 2  | 0         | 127       | GLOBAL   |
| TYPE       | CC | MIN VALUE | MAX VALUE | MIDI CH. |

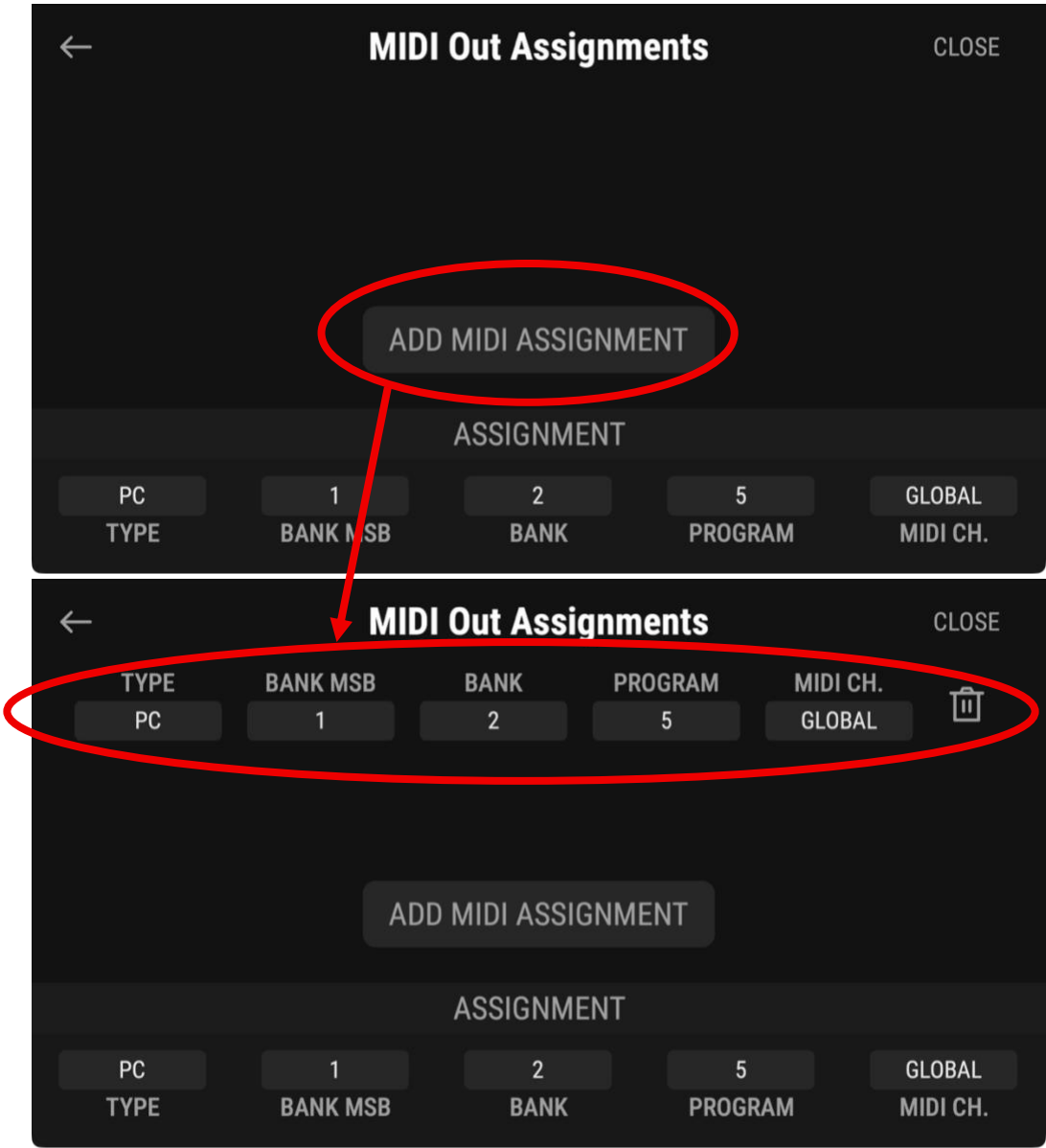
- **CC:** Sets the control change number (0 – 127).
- **Value:** Sets the value of the control change (0 – 127).
- **Min value:** Sets the min value that the control change should trigger (0 – 127).
- **Max value:** Sets the max value the control change should trigger (0 – 127).
- **MIDI Channel:** Sets which channel to use for this message (1 – 16 or global to follow the Global Settings).

- **Type:** PC (program change)

| ASSIGNMENT |          |      |         |          |
|------------|----------|------|---------|----------|
| PC         | 1        | 2    | 5       | GLOBAL   |
| TYPE       | BANK MSB | BANK | PROGRAM | MIDI CH. |

- **Bank MSB:** Sets the most significant byte for the bank number.
- **Bank:** Sets the least significant byte for the bank number.
- **Program:** Sets the program change number.
- **MIDI Channel:** Sets which channel to use for this message (1 – 16 or global to follow the Global Settings).

Once you set the MIDI message you can *tap* Add MIDI Assignment to add the assignment to the table.



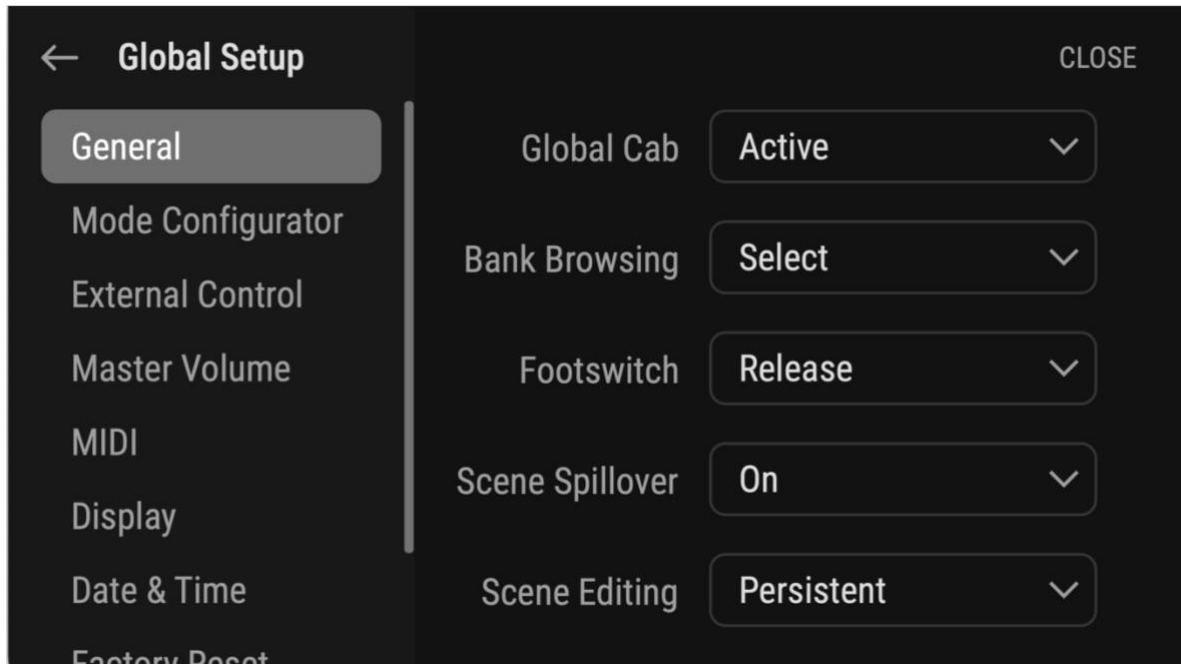
Tap the delete button to remove an entry in the table.



## Global

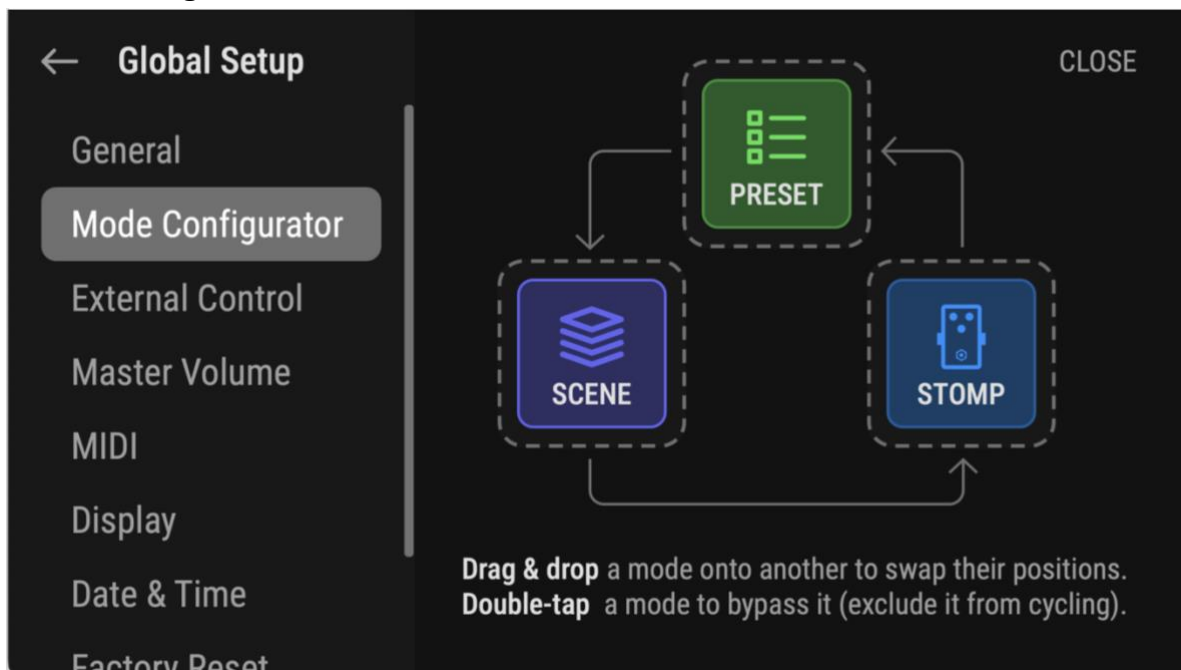
The Global page contains system-wide configuration settings.

### General



- **Global Cabinet** : Bypasses cabinet processing in all presets.
- **Bank Browsing**: Determines whether a preset is selected automatically after changing banks.
- **Footswitch**: Determines whether footswitch actions occur on press or release.
- **Scene Spillover**: Sets if the tail of reverbs, delays and other time-based effects should be retained when changing scenes within a preset.

### Mode Configurator

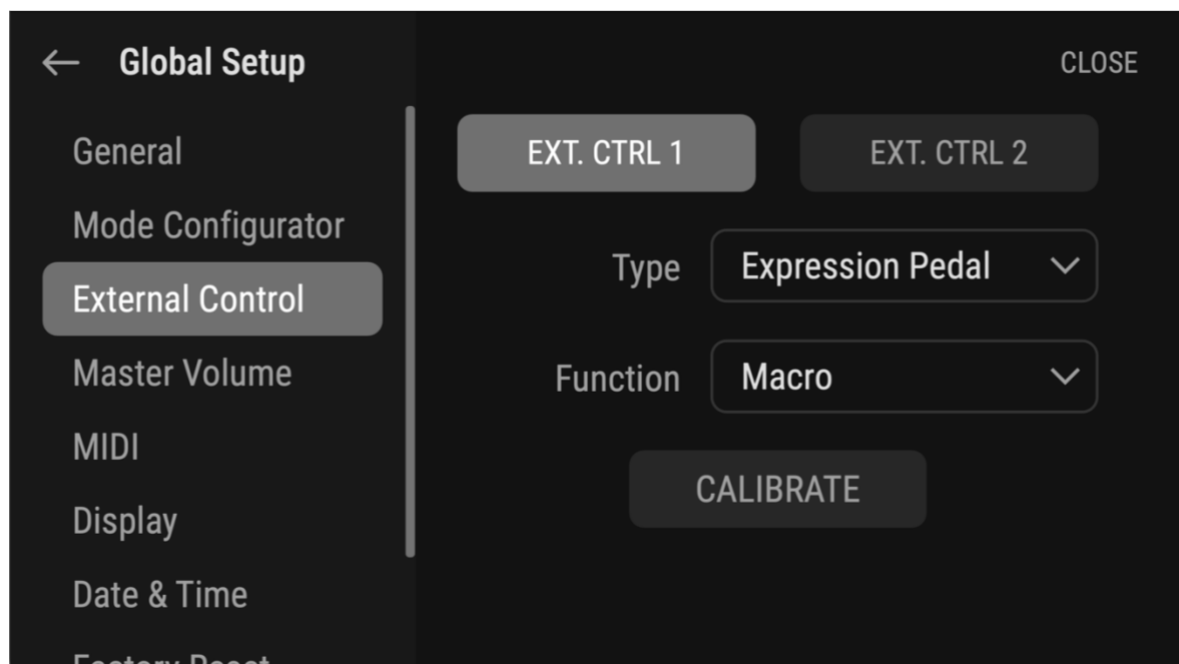


Sets the order in which the modes get cycled with the option to skip a mode.

*Drag and drop* a mode onto another mode to change their order.

*Double-tap* a mode to bypass it and exclude it from cycling.

## External Control



Sets all settings about the external controls.

Depending on the type which can be:

- None
- Single Switch
- Double Switch
- Expression Pedal

Various assignments are possible:

### Single Switch

- Function
  - Mode Cycling: The external single footswitch is used to cycle among modes.
  - Tuner: The external single footswitch is used to access the tuner.
  - Macro Toggle: The external footswitch is used to control macros in toggle mode. Press once to activate the assigned Macro value and press again to return to the original value.
  - Macro Momentary: The external footswitch is used to control macros in momentary mode. The assigned Macro value remains active only while the switch is held.
- Configuration
  - Normally Open: Select this if the connected single footswitch is a normally open footswitch.
  - Normally Closed: Select this if the connected single footswitch is a normally closed

footswitch.

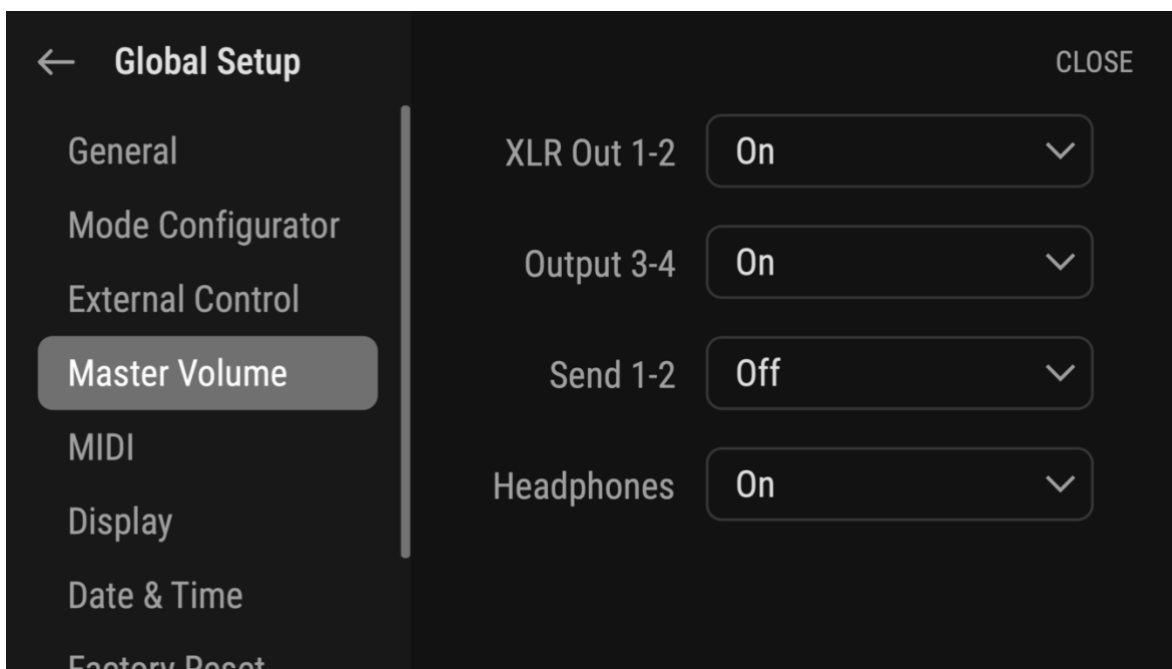
## Double Switch

- **Footswitch 1 / 2:** with a double footswitch each one of the two footswitch can be assigned independently
  - Preset Up/Down: Select this if you want the footswitch to move one preset up or down.
  - Bank Up/Down: Select this if you want the footswitch to move one bank up or down.
  - Mode Cycling: Select this if you want the footswitch to cycle among modes.
  - Tuner: Select this if you want the footswitch to access the tuner.
  - Tap Tempo: Select this if you want the footswitch to be used as tap tempo.
- Configuration
  - Normally Open: Select this if the connected double footswitch is a normally open footswitch.
  - Normally Closed: Select this if the connected double footswitch is a normally closed footswitch.

## Expression Pedal

- **Master Volume:** The expression pedal controls the master volume (like moving the volume knob).
- **Preset Output Level A:** Controls the preset Path A volume.
- **Preset Output Level B:** Controls the preset Path B volume.
- **Macro:** Controls any macro assignment assigned to that expression pedal.

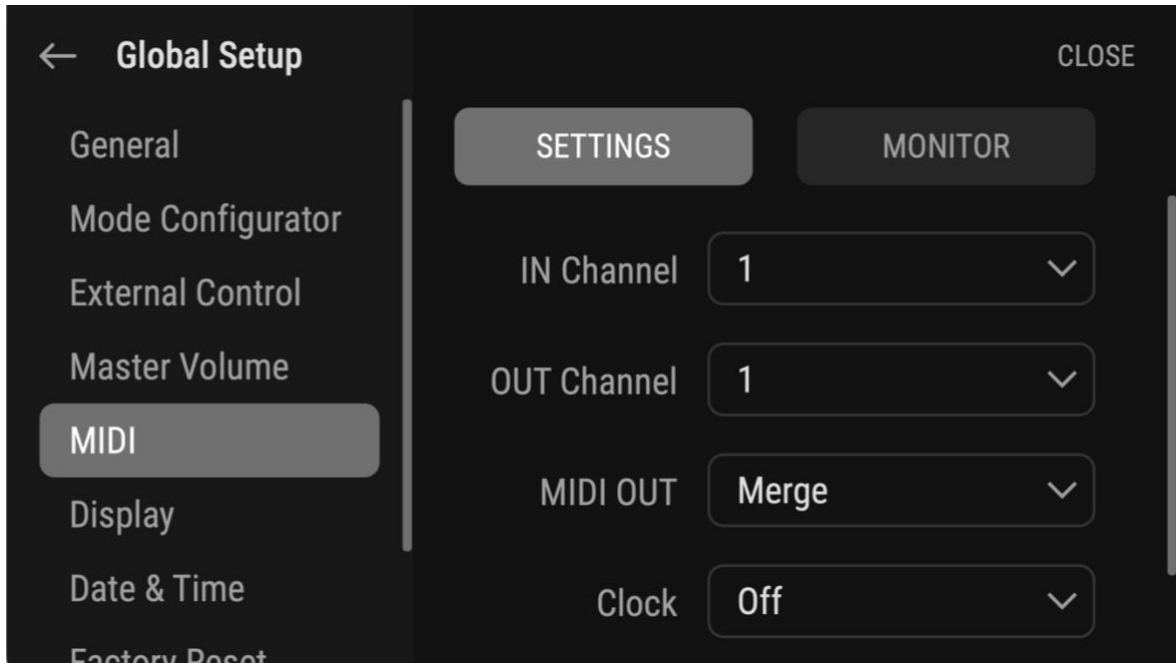
## Master Volume



Sets what the master volume should control.  
It can be assigned to control:

- XLR OUT 1-2
- OUTPUT 3-4
- HEADPHONES

## MIDI



The MIDI page provides access to all MIDI configuration settings.

- **Input/Output Channels:** Selects the MIDI channel on which TONEX Board operates.
- MIDI Output type
  - Off: The MIDI out port is disabled.
  - Internal: Only internal MIDI messages are sent to the MIDI out port.
  - Thru: Only external MIDI messages are sent to the MIDI out port.
  - Merge: Both received and internal MIDI messages are merged and sent out through the MIDI out port.
- Clock
  - Master: TONEX Board acts as the master of the MIDI clock.
  - Slave DIN: TONEX Board synchronizes its tempo to the MIDI clock received via the MIDI DIN input.
- Input Filter
  - Off: All MIDI messages (program changes and control changes) are used to control TONEX Board.
  - Only PCs: Only program changes MIDI messages are used to control TONEX Board.
  - Only CCs: Only control changes MIDI messages are used to control TONEX Board.

Tap Monitor to open the MIDI Monitor Page.

## MIDI Control Changes

Inside the MIDI Setup, the Monitor Page also lets you access the MIDI table to see all the possible assignments to control TONEX Board via control changes

| ← Back |                   | MIDI Table |              | CLOSE |
|--------|-------------------|------------|--------------|-------|
| CC 000 | Setlist Selection | CC 035     | Footswitch A |       |
| CC 036 | Footswitch B      | CC 037     | Footswitch C |       |
| CC 039 | Scene Selection   | CC 040     | BPM Tempo    |       |
| CC 041 | Tuner             | CC 042     | View         |       |
| CC 043 | Mode Selection    | CC 044     | Mode Cycle   |       |
| CC 045 | Tap Tempo         |            |              |       |

| Control Change | Assignment        | Values                                                            |
|----------------|-------------------|-------------------------------------------------------------------|
| CC 000         | Setlist Selection | 000 – 011: setlist 01 – setlist 12                                |
| CC 035         | Footswitch A      | 127: triggers footswitch A                                        |
| CC 036         | Footswitch B      | 127: triggers footswitch B                                        |
| CC 037         | Footswitch C      | 127: triggers footswitch C                                        |
| CC 039         | Scene Selector    | 000: select scene A<br>001: select scene B<br>002: select scene C |
| CC 040         | BPM Tempo         | 000 – 127: sets the BPM value                                     |
| CC 041         | Tuner             | 000: tuner off<br>127: tuner on                                   |
| CC 042         | View Selector     | 000: Home<br>001: Edit<br>002: Live                               |
| CC 043         | Mode Selector     | 000: Preset<br>001: Scene<br>002: Stomp                           |
| CC 044         | Mode Cycle        | 000: select previous mode<br>127: select next mode                |

|        |           |          |
|--------|-----------|----------|
| CC 045 | Tap Tempo | 127: Tap |
|--------|-----------|----------|

## MIDI Program Change

Each preset inside the selected setlist can be recalled with its dedicated program change.

Program Changes are assigned sequentially within the currently selected setlist: presets from 01A to 40C can be recalled with program changes from PC-00 to PC-119.

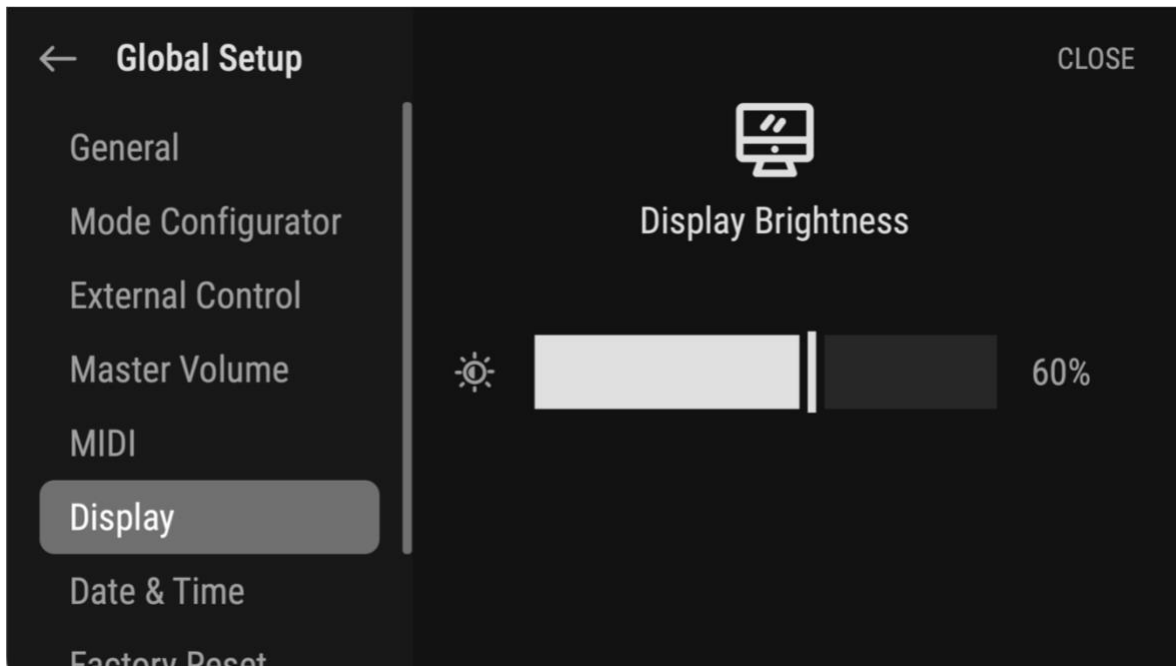
| Bank | Slot | Program Change |
|------|------|----------------|
| 01   | A    | 000            |
|      | B    | 001            |
|      | C    | 002            |
| 02   | A    | 003            |
|      | B    | 004            |
|      | C    | 005            |
| 03   | A    | 006            |
|      | B    | 007            |
|      | C    | 008            |
| 04   | A    | 009            |
|      | B    | 010            |
|      | C    | 011            |
| 05   | A    | 012            |
|      | B    | 013            |
|      | C    | 014            |
| 06   | A    | 015            |
|      | B    | 016            |
|      | C    | 017            |
| 07   | A    | 018            |
|      | B    | 019            |
|      | C    | 020            |
| 08   | A    | 021            |
|      | B    | 022            |
|      | C    | 023            |
| 09   | A    | 024            |
|      | B    | 025            |

|    |   |     |
|----|---|-----|
|    | C | 026 |
| 10 | A | 027 |
|    | B | 028 |
|    | C | 029 |
| 11 | A | 030 |
|    | B | 031 |
|    | C | 032 |
| 12 | A | 033 |
|    | B | 034 |
|    | C | 035 |
| 13 | A | 036 |
|    | B | 037 |
|    | C | 038 |
| 14 | A | 039 |
|    | B | 040 |
|    | C | 041 |
| 15 | A | 042 |
|    | B | 043 |
|    | C | 044 |
| 16 | A | 045 |
|    | B | 046 |
|    | C | 047 |
| 17 | A | 048 |
|    | B | 049 |
|    | C | 050 |
| 18 | A | 051 |
|    | B | 052 |
|    | C | 053 |
| 19 | A | 054 |
|    | B | 055 |
|    | C | 056 |
| 20 | A | 057 |
|    | B | 058 |

|    |   |     |
|----|---|-----|
|    | C | 059 |
| 21 | A | 060 |
|    | B | 061 |
|    | C | 062 |
| 22 | A | 063 |
|    | B | 064 |
|    | C | 065 |
| 23 | A | 066 |
|    | B | 067 |
|    | C | 068 |
| 24 | A | 069 |
|    | B | 070 |
|    | C | 071 |
| 25 | A | 072 |
|    | B | 073 |
|    | C | 074 |
| 26 | A | 075 |
|    | B | 076 |
|    | C | 077 |
| 27 | A | 078 |
|    | B | 079 |
|    | C | 080 |
| 28 | A | 081 |
|    | B | 082 |
|    | C | 083 |
| 29 | A | 084 |
|    | B | 085 |
|    | C | 086 |
| 30 | A | 087 |
|    | B | 088 |
|    | C | 089 |
| 31 | A | 090 |
|    | B | 091 |

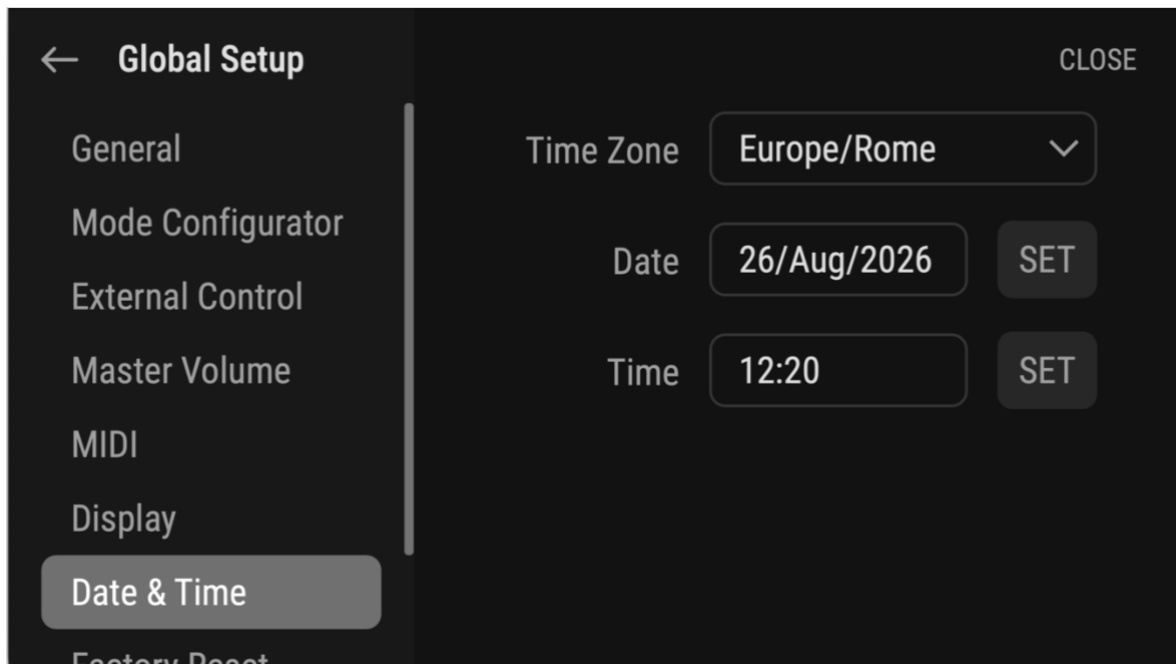
|    |   |     |
|----|---|-----|
|    | C | 092 |
| 32 | A | 093 |
|    | B | 094 |
|    | C | 095 |
| 33 | A | 096 |
|    | B | 097 |
|    | C | 098 |
| 34 | A | 099 |
|    | B | 100 |
|    | C | 101 |
| 35 | A | 102 |
|    | B | 103 |
|    | C | 104 |
| 36 | A | 105 |
|    | B | 106 |
|    | C | 107 |
| 37 | A | 108 |
|    | B | 109 |
|    | C | 110 |
| 38 | A | 111 |
|    | B | 112 |
|    | C | 113 |
| 39 | A | 114 |
|    | B | 115 |
|    | C | 116 |
| 40 | A | 117 |
|    | B | 118 |
|    | C | 119 |

## Display



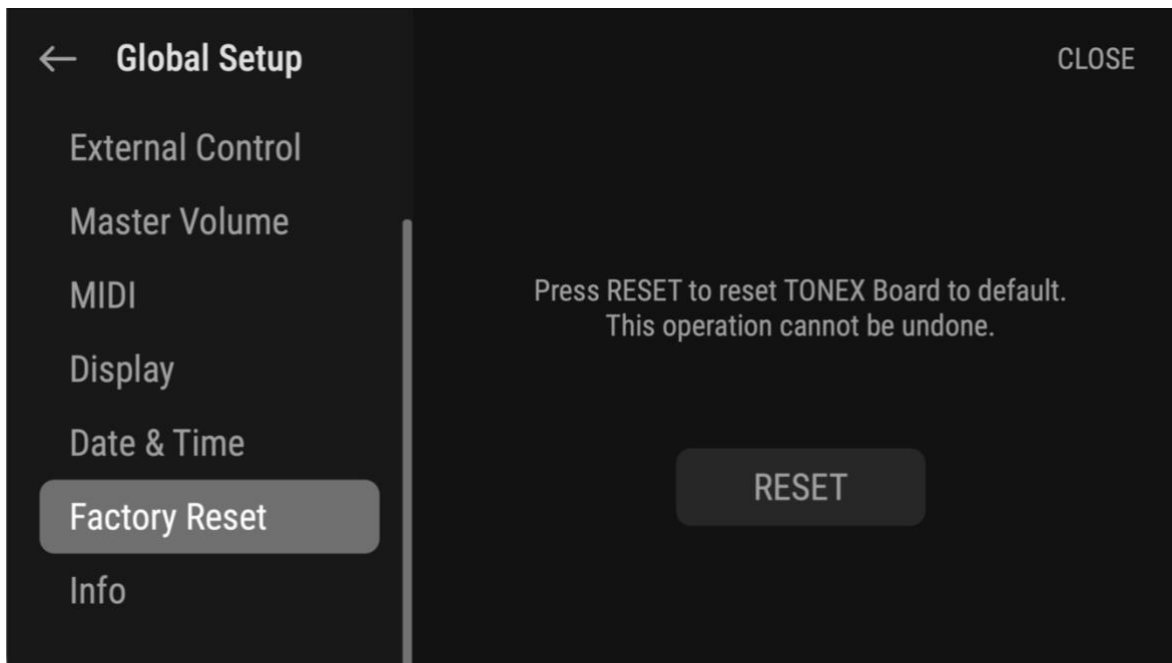
Adjust display brightness using the slider.

## Date & Time



Sets the date and time.

## Factory Reset



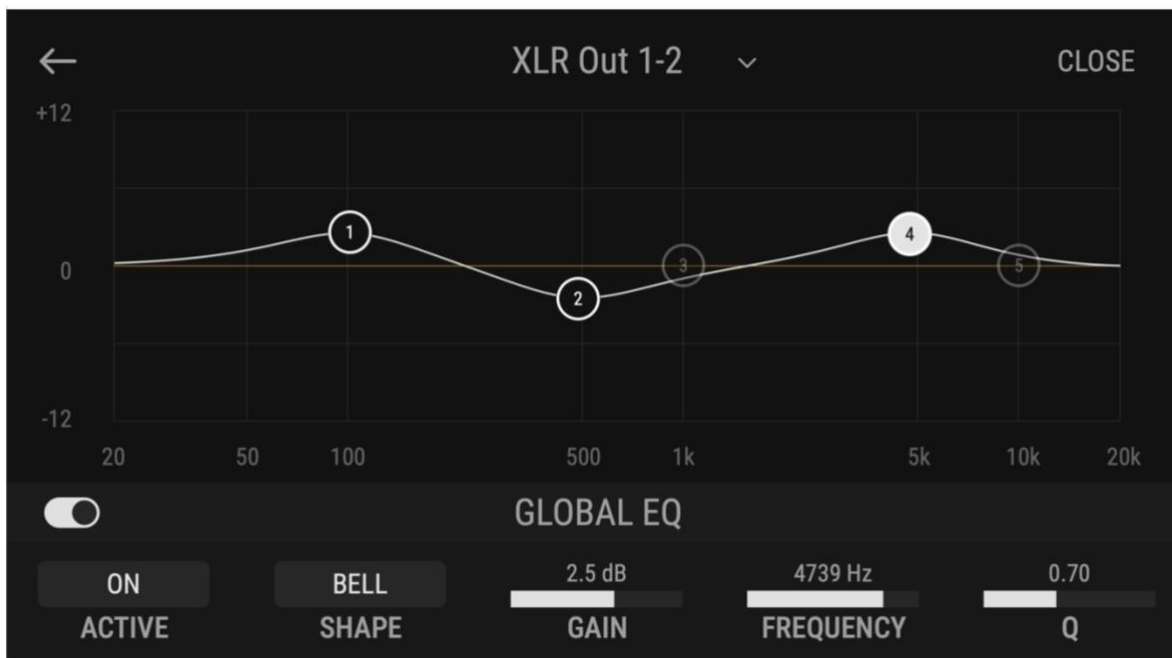
Restores the device to factory settings.

Warning: All user presets and settings will be permanently overwritten.

## Info

Displays firmware version, build information, and copyright notices.

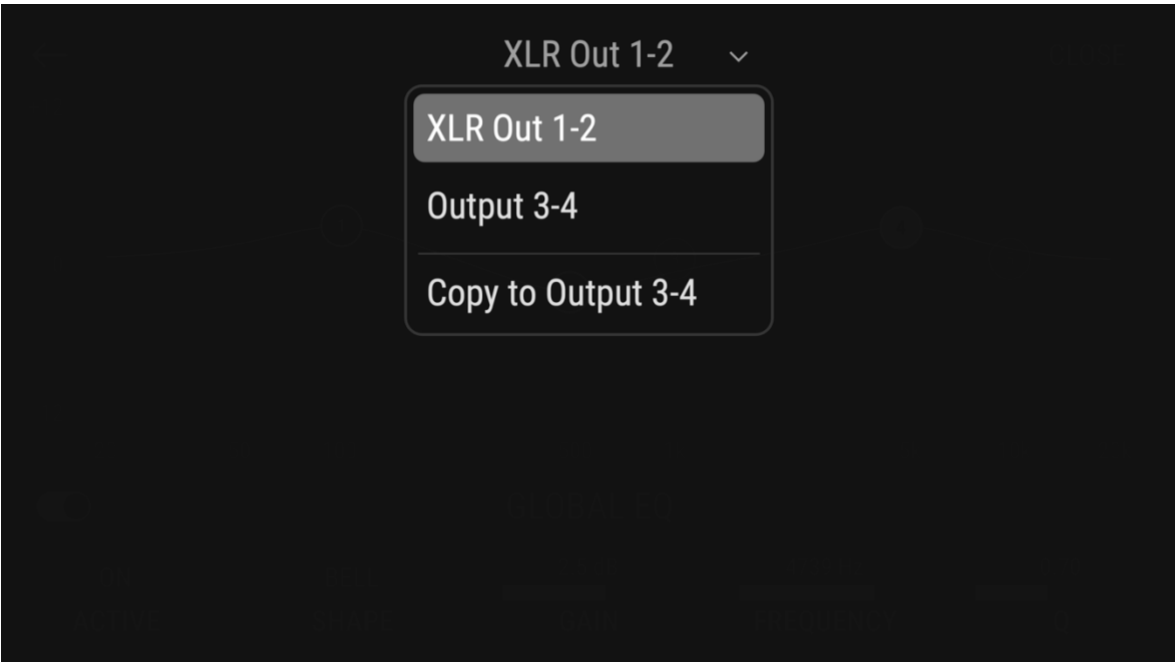
## Global EQ



The Global EQ page offers a Global EQ available independently for both XLR Out 1-2 and Output 3-4.

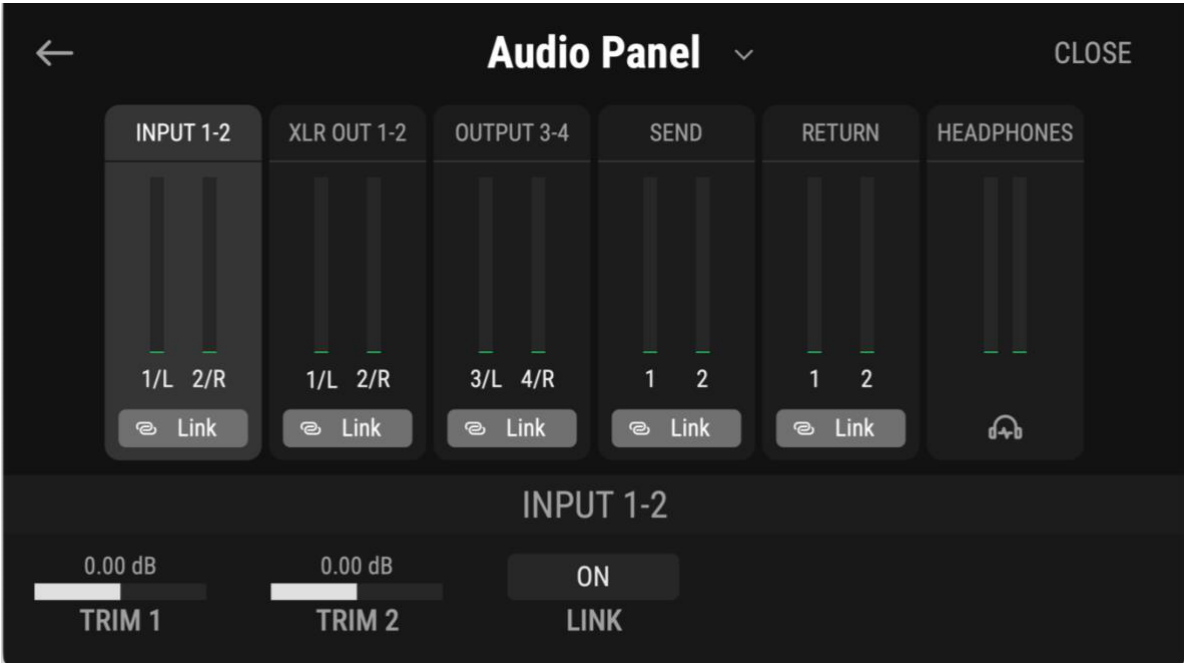
*Double-tap* on any EQ band to activate/bypass the band.

*Tap* the output selector at the top of the page to switch output or copy/paste EQ settings.



Audio Panel

The Audio Panel page shows all the global input and output meters and lets you adjust levels independently for all inputs and outputs.



Select any input or output to edit its parameters.

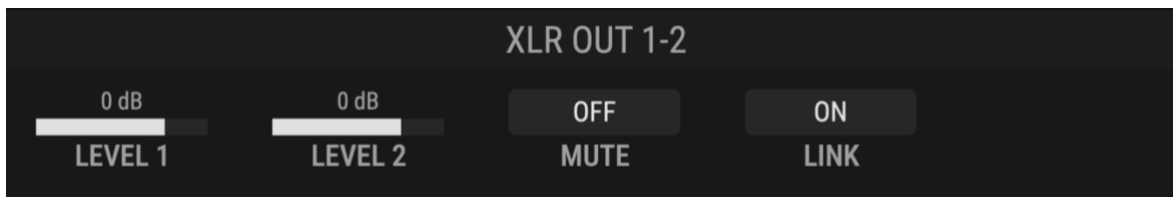
Input 1-2



- **Trim 1:** Adjusts the input gain for Input 1.
- **Trim 2:** Adjusts the level coming from input 2.

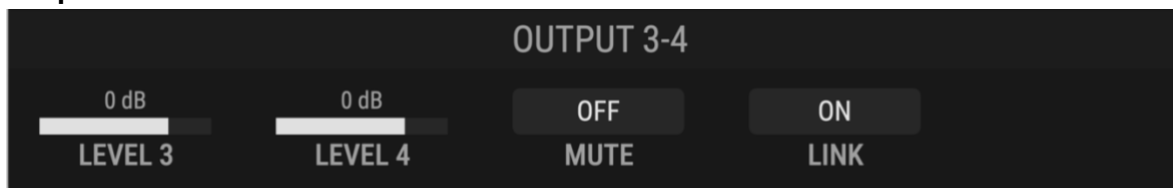
- **Link:** Links input 1 and 2.

## XLR Out 1-2



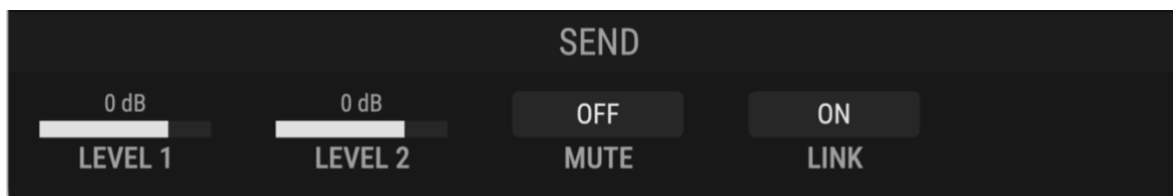
- **Level 1:** Adjusts the level for XLR Output 1.
- **Level 2:** Adjusts the level for XLR Output 2.
- **Mute:** Mutes XLR Output 1 and 2.
- **Link:** Links XLR Output 1 and 2.

## Output 3-4



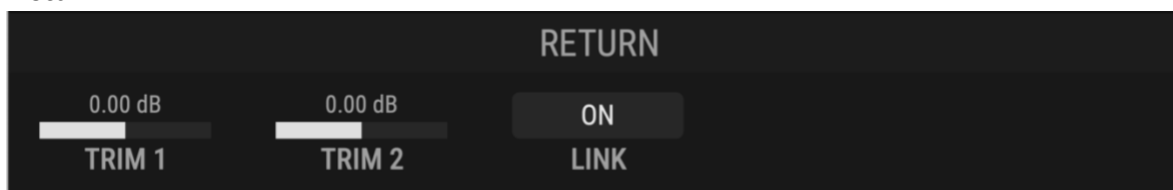
- **Level 3:** Adjusts the level for Output 3.
- **Level 4:** Adjusts the level for Output 4.
- **Mute:** Mutes Output 3 and 4.
- **Link:** Links Output 3 and 4.

## Send



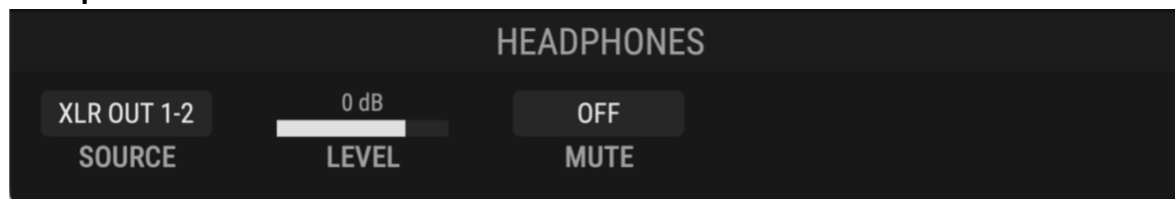
- **Level 1:** Adjusts the level for Send 1.
- **Level 2:** Adjusts the level for Send 2.
- **Mute:** Mutes Send 1 and 2.
- **Link:** Links Send 1 and 2.

## Return



- **Trim 1:** Adjusts the level coming from return 1.
- **Trim 2:** Adjusts the level coming from return 2.
- **Link:** Links return 1 and 2.

## Headphones

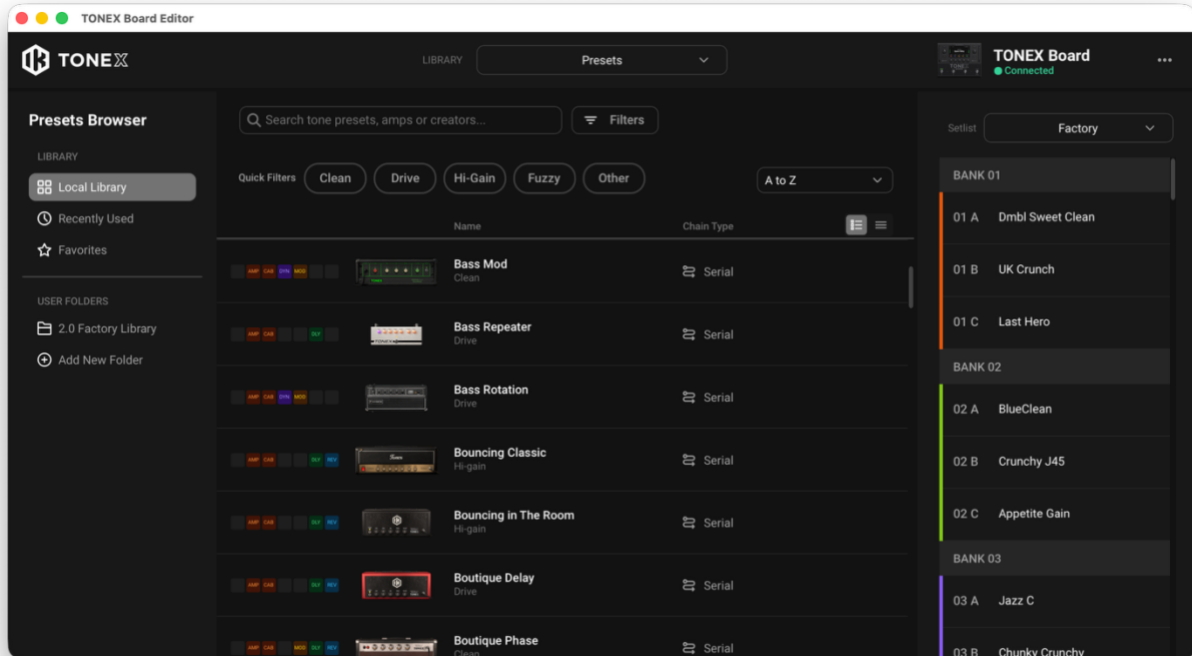


- **Source:** Selects the output routed to the headphones.
- **Level:** Sets the headphones level.
- **Mute:** Mutes the headphones output.

## TONEX Board Editor

TONEX Board Editor is the companion software application for TONEX Board.

It allows you to transfer presets, Tone Models, and other content between your computer and TONEX Board.



TONEX Board Editor can be used to:

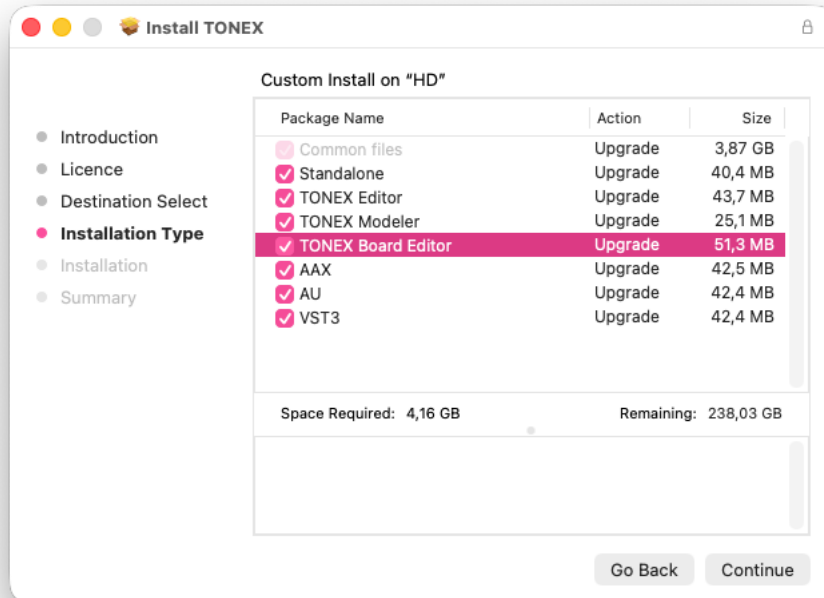
- Transfer Presets and Tone Models
- Organize device content
- Back up and restore setlists
- Manage Firmware Updates

To learn more about the TONEX Board Editor you can reference the TONEX Board Editor manual available in the TONEX for Mac/PC tab inside the IK Product Manager.

## Installing

TONEX Board Editor comes bundled with the TONEX for Mac/PC installer.

When launching the installer, ensure that TONEX Board Editor is selected.



To install TONEX for Mac/PC download the [IK Product Manager](#).

For more information about TONEX for Mac/PC, visit:

<https://www.ikmultimedia.com/products/tonex/>

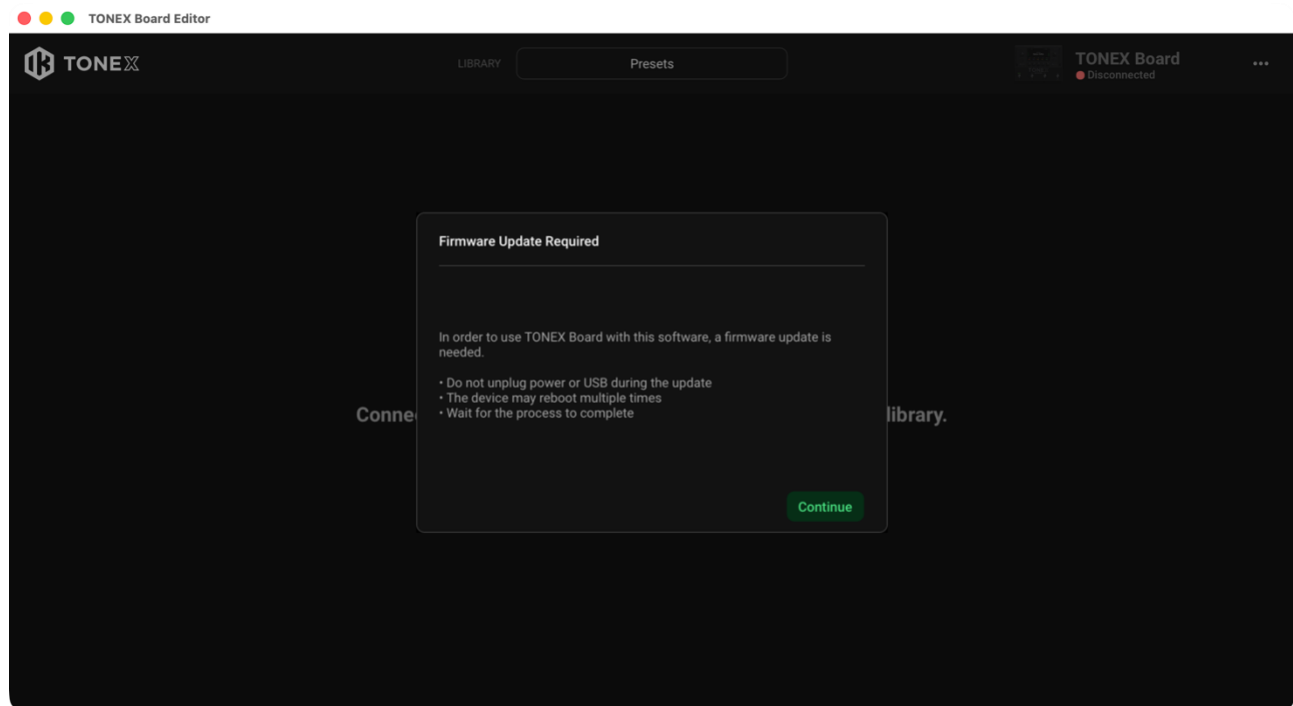
## Firmware Update

Firmware Updates for TONEX Board are distributed through TONEX Board Editor.

If a Firmware Update is available:

1. Install the latest version of TONEX Board Editor.
2. Connect TONEX Board to your computer.
3. Launch TONEX Board Editor.
4. Follow the on-screen update instructions.

**Important: Do not disconnect power or USB during a Firmware Update.**



## Support

For additional information and support:, please refer to the FAQ webpage at:  
[www.ikmultimedia.com/faq](http://www.ikmultimedia.com/faq)

Here you will find answers to the most commonly asked questions.

To submit a Technical Support Form, go to: [www.ikmultimedia.com/support](http://www.ikmultimedia.com/support)

For warranty information, please visit: [www.ikmultimedia.com/warranty](http://www.ikmultimedia.com/warranty)

For other requests such as product, sales, or web info, please go to:  
[www.ikmultimedia.com/contact-us](http://www.ikmultimedia.com/contact-us)

## IK Product Manager

The IK Product Manager gives you one central location to manage all the latest IK Multimedia products. It's your central command for registration, downloads, installation, authorization, checking for updates, and much more.

- Register hardware and software in one location
- Download, install, and authorize software
- Simplified sounds download with pause/resume
- Authorize and de-authorize computers
- Update software, sounds and firmware
- Easily manage your entire IK collection

Download IK Product Manager at: [www.ikmultimedia.com/pm](http://www.ikmultimedia.com/pm)

## Licenses

TONEX Board includes software components distributed under third-party licenses.

License information is available at:

<https://www.ikmultimedia.com/opensourcelicense>

## Safety Instructions

Please read the following safety instructions before setting up your system. Keep the instructions for subsequent reference. Please heed the warnings and follow the instructions.

Power supply used to operate this equipment must be separately approved in accordance with the applicable safety standards, including IEC 62368-1 and all relevant national deviations.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



Amplifiers and loudspeaker systems, and ear/headphones (if equipped) are capable of producing very high sound pressure levels which may cause temporary or permanent hearing damage. Use care when setting and adjusting volume levels during use.



Read these instructions.



Keep these instructions.



Heed all warnings.



Follow all instructions.



Do not use this apparatus near water.



Clean only with dry clothes.



Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.



Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.



Only use attachments / accessories specified by the manufacturer.



Unplug this apparatus during lightning storms or when unused for long periods of time.



Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



WARNING - To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.



Rated operating temperature: 0°C — 45°C.



## WARNING

When connecting or disconnecting TONEX Board from your instrument, a sudden loud noise may occur. To protect your hearing when using headphones or earphones, please follow these safety recommendations:

- Always turn off the device or set the MASTER VOLUME to minimum before plugging or unplugging TONEX Board.
- If using headphones, it's recommended to disconnect them before attaching or removing the device from your instrument.
- Connecting TONEX Board while it is powered and the MASTER VOLUME is raised may result in a sudden signal spike, comparable to connecting a live instrument cable directly into an active amplifier input.

## Regulatory

Model: TONEX Board (IK000200)

Made In Italy

### FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference
2. this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This product complies with FCC and ISED radiation exposure limits set forth for an uncontrolled environment. The antenna should be installed and operated at a minimum distance of 20 cm between the radiator and your body. This device and its antenna(s) must not be co-located or operated in conjunction with any other antenna or transmitter except in accordance with FCC multi-transmitter product procedures.

This radio transmitter has been approved to operate with the antenna type integrated. Others antennas are strictly prohibited for use with this device.

### IC Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR

d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. L'appareil ne doit pas produire de brouillage.
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement du dispositif.

ICES-003 Class B Notice - Avis NMB-003 Classe B:

This Class B digital device complies with Canadian ICES-003. Cet appareil numérique classe B est conforme à la norme NMB-003 du Canada. CAN ICES-3(B) / NMB-3(B)

This radio transmitter has been approved by Innovation, Science and Economic Development Canada to operate with the antenna integrated. Others antennas are strictly prohibited for use with this device. Le présent émetteur radio ..... a été validé par Innovation, Sciences et Développement économique Canada pour fonctionner avec l'antenne intégrée. L'utilisation de toute autre antenne est strictement interdite avec cet appareil.

This product complies with ISED radiation exposure limits set forth for an uncontrolled environment. The antenna should be installed and operated at a minimum distance of 20 cm between the radiator and your body. This device and its antenna(s) must not be co-located or operated in conjunction with any other antenna or transmitter except in accordance with ISED multi-transmitter product procedures. Cet appareil est conforme aux limites d'exposition aux rayonnements de l'ISED pour un environnement non contrôlé. L'antenne doit être installée de façon à garder une distance minimale de 20 centimètres entre la source de rayonnements et votre corps. Cet appareil et son (ses) antenne(s) ne doivent pas être co-localisés ou utilisés en conjonction avec une autre antenne ou un autre émetteur, sauf en conformité avec les procédures du produit multi-émetteur de la ISED.

This device complies with Health Canada's Safety Code. The installer of this device should ensure that RF radiation is not emitted in excess of the Health Canada's requirement. Cet appareil est conforme avec Santé Canada Code de sécurité 6. Le programme d'installation de cet appareil doit s'assurer que les rayonnements RF n'est pas émis au-delà de l'exigence de Santé Canada.

## TONEX BOARD

Model: TONEX BOARD (IK000200)

DC IN: 9VDC 1.5A

Contains FCC ID: XPYMAYAW166

Contains IC: 8595A-MAYAW166

CAN ICES.3(B)/NMB.3(B)



Tested to comply  
with FCC standards  
FOR HOME OR OFFICE USE  
Complies with Canadian ICES.003 Class B



R 022-220055  
T D220007022



IK Multimedia Production s.r.l. - Via dell'Industria 46, 41122, Modena IT - Designed and Made in Italy

**IK Multimedia Production Srl**

Via dell'Industria, 46,  
41122 Modena Italy

**IK Multimedia US, LLC**

590 Sawgrass Corporate Pkwy. Sunrise, FL 33325  
USA

**[www.ikmultimedia.com](http://www.ikmultimedia.com)**

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All specifications are subject to change without further notice.

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