

# TONEX ONE+

USER MANUAL



# Table of Contents

<b>Contents</b>	2
<b>TONEX Ecosystem</b>	5
Downloading and installing the TONEX Control App	5
Downloading and installing the TONEX software	5
But what's a Tone Model?	6
What if I have no amplifier to capture?	6
Presets	6
<b>What's in the Box</b>	8
<b>TONEX ONE+ overview</b>	9
Connections	10
TONEX ONE+ into a power amplifier with your own cabinet	10
TONEX ONE+ feeding an FRFR or powered cabinet	12
TONEX ONE+ feeding a PA system	14
TONEX ONE+ for silent practicing	16
TONEX ONE+ for recording	17
TONEX ONE+ as a stomp in front of a real amp	18
TONEX ONE+ for practicing	19
Front panel & connections	20
Auto save	22
Clip	22
Bluetooth mode	22
Safe mode	23
Tune & tap mode	23
<b>Performance modes</b>	24
Mode selector	24
<b>Preset browsing mode</b>	25
Browsing mode	25
<b>Import Custom IR</b>	26
<b>Signal Flow</b>	27
<b>Parameters</b>	28
Main parameters	28
Alternative parameters	28

Additional parameters	29
<b>Setup</b>	<b>30</b>
Mode selector	30
Cab bypass	31
Input trim	32
Global volume	33
<b>TONEX ONE+ as an audio interface</b>	<b>34</b>
TONEX ONE+ for play-along	34
TONEX ONE+ for recording	35
TONEX ONE+ as an audio interface	35
<b>MIDI</b>	<b>36</b>
MIDI Program Changes	36
MIDI Control Changes	37
Global & Switching	37
Main Amp Parameters	37
Noise Gate	37
Compressor	38
EQ	38
Reverb	39
Specific Reverb Parameters	39
Delay	40
Specific Delay Parameters	40
Modulation	41
Specific Modulation Parameters	41
<b>TONEX Control App</b>	<b>42</b>
Getting Started	42
Installation	42
First Launch and Permissions	42
Connecting TONEX ONE+ to TONEX Control	43
App Navigation and Main Sections	44
Editor	44
Amp Section	45
Amp Browser	45
Advanced Controls	46

Cab Section	47
Noise Gate and Compressor	48
Modulation, Reverb, and Delay	49
FX Type Selection	50
BPM and Tempo	51
Presets	52
TONEX ONE+	52
Saving Presets	53
Mobile Device library	53
Smart Gestures	55
ToneNET	56
Tools	57
Tuner	57
Metronome	58
Menu	59
Account	59
Manual	60
Settings	60
Device	60
Global Setup	61
Volume	61
MIDI	62
Tuner	63
General	64
Info	65
<b>TONEX Editor</b>	66
<b>Features</b>	67
<b>System requirements</b>	68
<b>Support</b>	69
IK Product Manager	69
<b>Safety Instructions</b>	70
Warning	71
<b>Regulatory</b>	72

## TONEX Ecosystem

Welcome to TONEX, a new ecosystem aimed at capturing, playing and sharing the best-sounding amplifiers on Earth.

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

## Downloading and installing the TONEX Control App

TONEX ONE+ can be controlled and managed using the TONEX Control App, which is available for both iOS and Android devices.

1. Download/Update the TONEX Control App: [App Store](#) - [Google Play](#).
2. Enable Bluetooth, open the app, tap Connect — the app pairs automatically.

Then log into [ToneNET](#) with your IK credentials.

Browse, edit, download tones from ToneNET, and start playing.

## Downloading and installing the TONEX software

TONEX ONE+ comes with TONEX software, which includes an editor to edit, organize and transfer Tone Models on the hardware device. The editor also allows you to make firmware updates. To download and access the additional software features and content, please follow the steps below.

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

Please visit the TONEX ONE+ media page for video tutorials and sound demos.

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

## But what's 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 digital 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(s) is any combination of guitar pedals: boost, overdrive, fuzz, distortion, EQ, preamplifier, etc...

*N.B. The stomp can't be a time-based or phase-based pedal such as a compressor, reverb, delay, chorus, phaser, 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 for Mac/PC, plus any Tone Model made by other users available on our free platform [ToneNET](#).

## Presets

These Tone Models are used inside TONEX presets.

TONEX presets consist of the following effects for tweaking any Tone Model:

- Noise gate
- Compressor
- Modulation
- Tone Model Amp
- Tone Model Cab
- Tone EQ
- Delay
- Reverb

A preset is the perfect foundation for any guitar tone.

Inside a preset, a Tone Model is divided into 2 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 in the Box

- TONEX ONE+ device
- USB-C data cable
- Registration Card

## TONEX ONE+ overview

### Machine Modeling amp and distortion micro-pedal

TONEX ONE+ is the ultimate amp and distortion stompbox micro-pedal, using IK's breakthrough AI Machine Modeling technology (AIMM™).

Play on stage with hundreds of included Tone Model rigs, your own generated ones, or an unlimited number from a community of users. Or use the same exact Tone Models in the studio with TONEX plug-in, TONEX for Mac/PC and TONEX amp and stomp inside AmpliTube 5.



## Connections

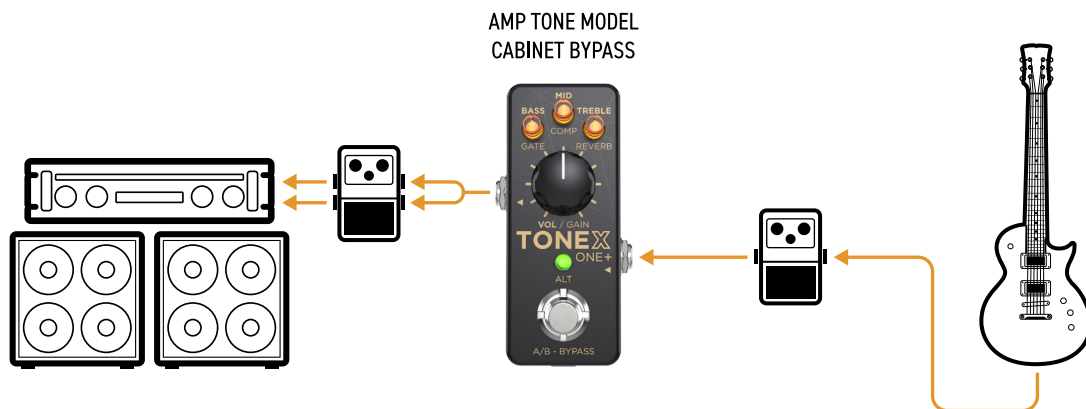
### TONEX ONE+ into a power amplifier with your own cabinet

If you want to use TONEX ONE+ with your own cabinet, you can plug it directly to a power amplifier.

This is perfect if you want the flexibility and tonal quality of TONEX with your own cabinet on stage. Remember to bypass the cab section to avoid unwanted double cab filtering.

*PRO TIP: You can bypass the preamp section of your guitar or bass amplifier by plugging TONEX ONE+ into the return input of the amp's FX Loop.*

This is an example of using the pedal inside a pedalboard connected to a power amplifier feeding a guitar or bass cabinet:



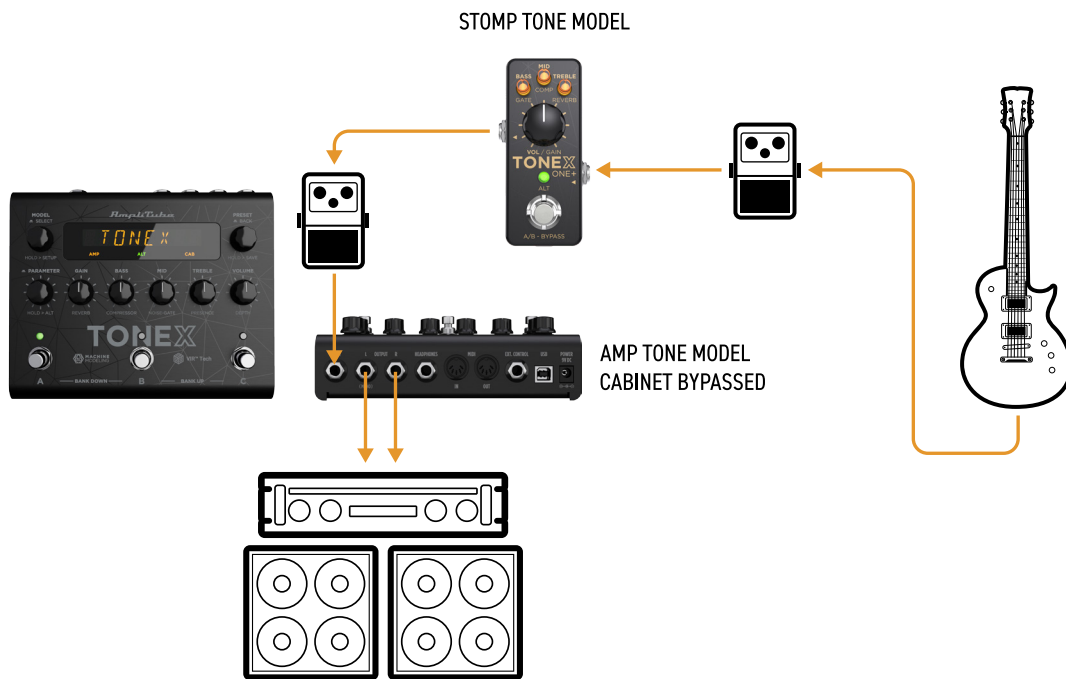
This is an example of using the pedal alone connected to a power amplifier feeding a guitar or bass cabinet:



You can use a regular instrument cable if you want to run your TONEX ONE+ in mono.

This is an example of using TONEX ONE+ with a TONEX Pedal connected to a power amplifier to feed a guitar or bass cabinet.

In this case, TONEX ONE+ is used as a stomp, while TONEX Pedal is used as the amplifier.



## TONEX ONE+ feeding an FRFR or powered cabinet

If you want to use TONEX with your FRFR Cabinet (or powered cabinet), you can plug in directly. Remember to activate the cab section.

This is an example of using the pedal inside a pedalboard connected to a FRFR Cabinet:

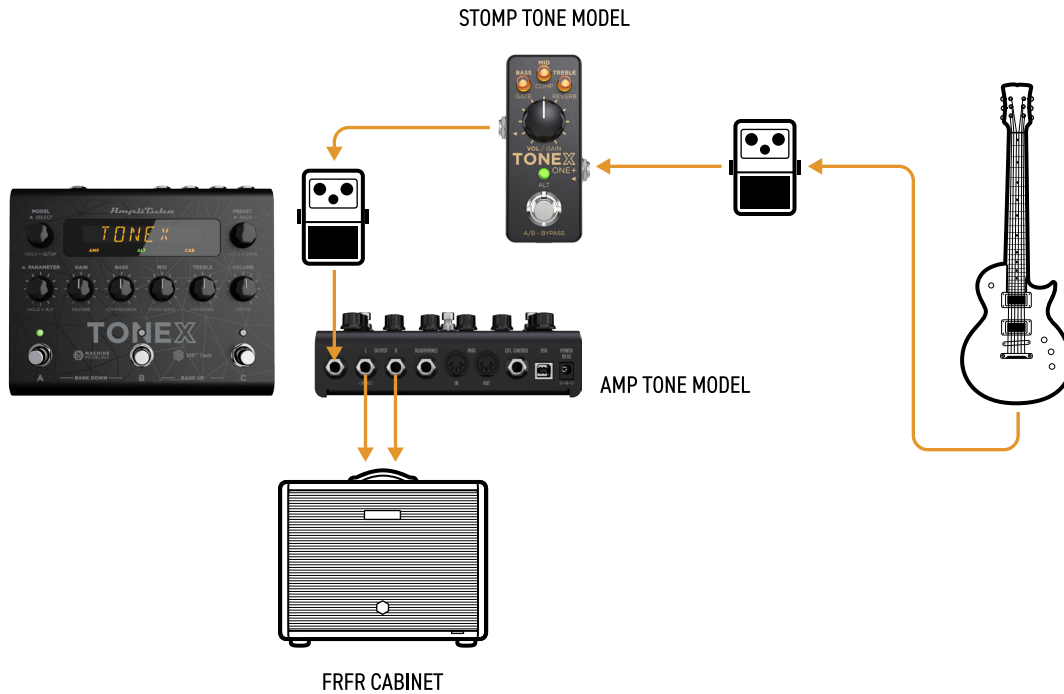


This is an example of using the pedal alone with an FRFR Cabinet:



You can use a regular instrument cable if you want to run your TONEX ONE+ in mono.

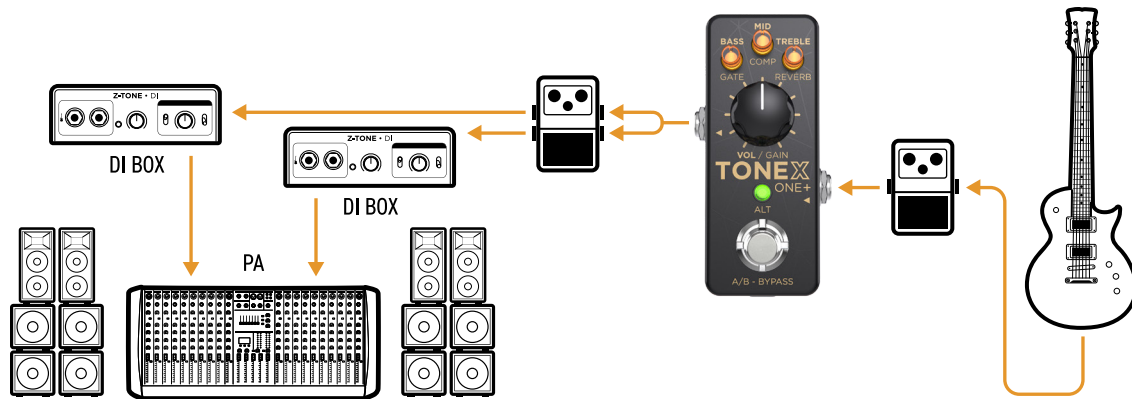
This is an example of using TONEX ONE+ together with TONEX Pedal connected to an FRFR cabinet. In this case, TONEX ONE+ is used as a stomp, while TONEX Pedal is used as the amplifier.



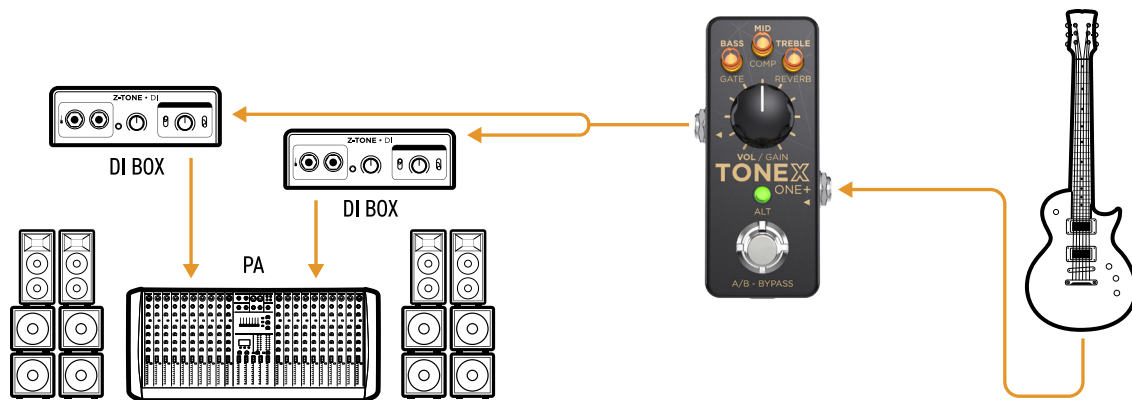
## TONEX ONE+ feeding a PA system

TONEX ONE+ can also be connected directly to a PA System using one (or two if you prefer going stereo) DI Box(es). This is great for keeping your stage volume silent. Remember to activate the cab section.

This is an example of using the pedal inside a pedalboard connected to a PA System in stereo using a Y cable:

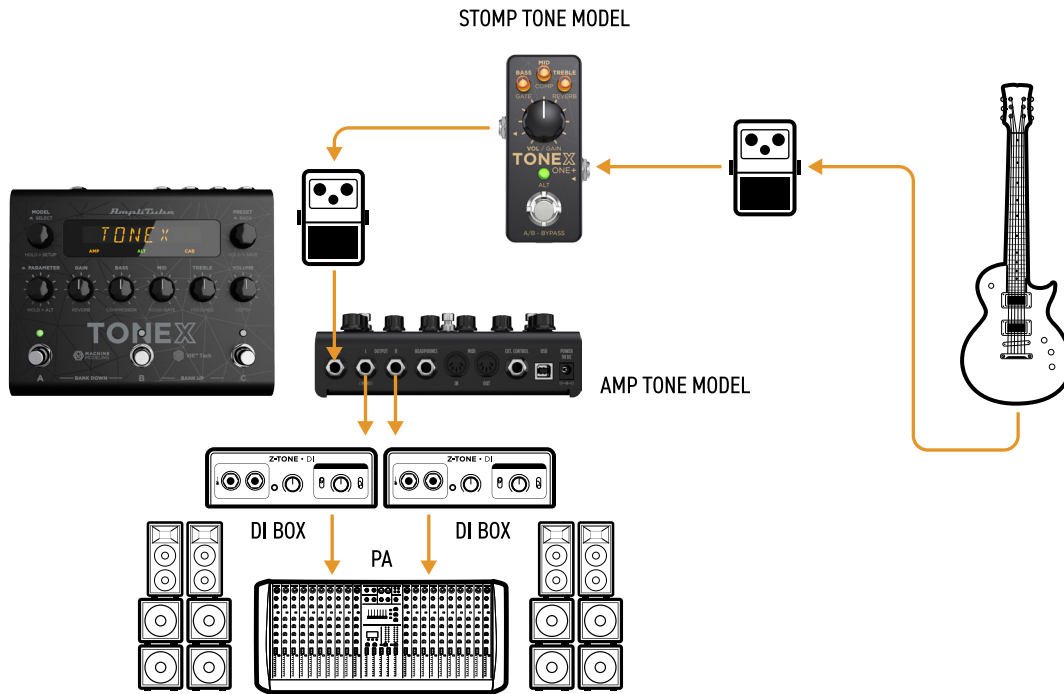


This is an example of using the pedal alone with a PA System in stereo using a Y cable:



If you want to run your TONEX ONE+ in mono, you can use a regular instrument cable and a single DI box.

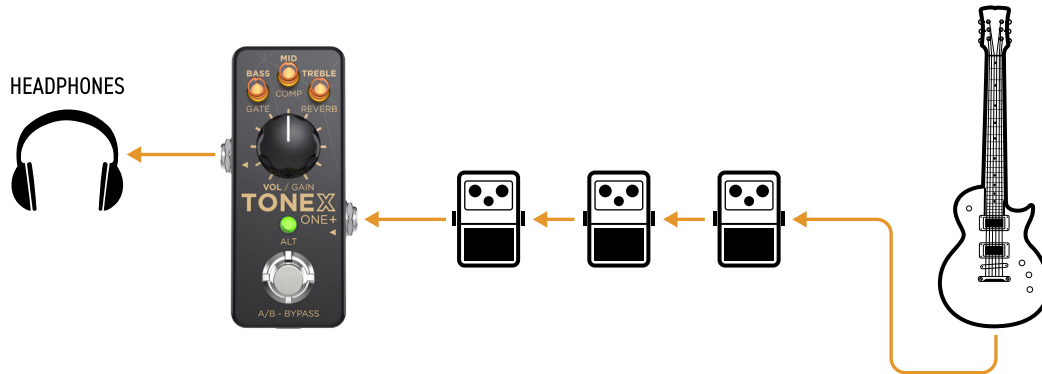
This is an example of using TONEX ONE+ together with TONEX Pedal inside a PA system. In this case, TONEX ONE+ is used as a stomp, while TONEX Pedal is used as the amp.



## TONEX ONE+ for silent practicing

If you need to warm up before the gig or just practice without bothering anyone around, you can use TONEX ONE+ with headphones. Remember to activate the cab section.

This is an example of using the pedal on a pedalboard for silent practice:



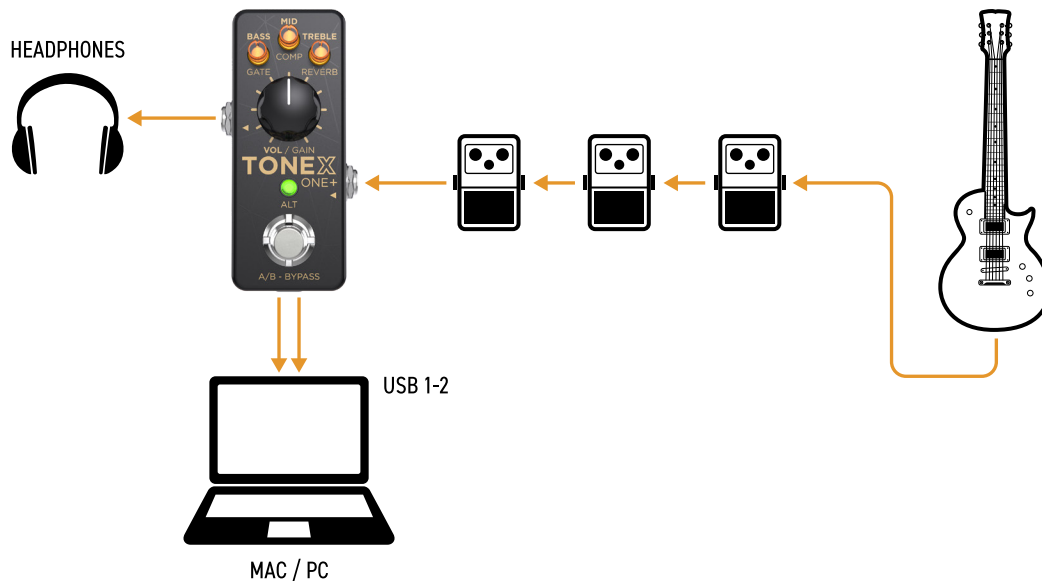
This is an example of using the pedal alone for silent practice:



## TONEX ONE+ for recording

You can also use TONEX ONE+ as an audio interface to record your guitar parts by connecting it to your computer via USB. You can monitor with zero latency via the pedal using headphones, or by connecting active monitors to the stereo output of TONEX ONE+ with a Y cable.

This is an example of using the TONEX ONE+ for recording:

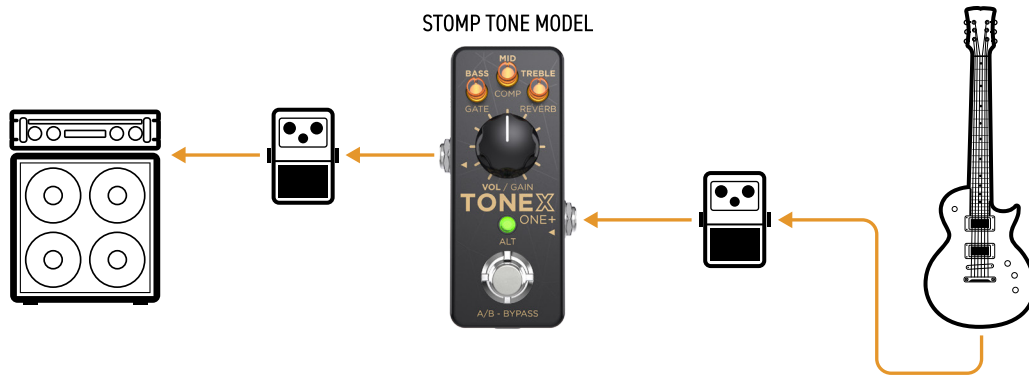


Disable direct monitoring from the TONEX Editor if you monitor through your DAW to avoid a double monitoring effect while recording.

If you are using TONEX ONE+ to feed TONEX software or another amp simulator software, remember to bypass TONEX ONE+ internal processing by going to stomp mode and set the pedal to bypass to send only the DI signal to the amp simulator.

## TONEX ONE+ as a stomp in front of a real amp

By connecting it in mono, you can use TONEX ONE+ as your overdrive/distortion/fuzz pedal before your amplifier.



Stereo or dual mono setup.



## TONEX ONE+ for practicing

You can use TONEX ONE+ to practice silently (Figure A) or through active monitors (Figure B) by connecting it to a computer and selecting it as an output interface.

Use the controls on your computer or application to adjust the volume of the playback and the TONEX ONE+ volume to adjust your guitar level.

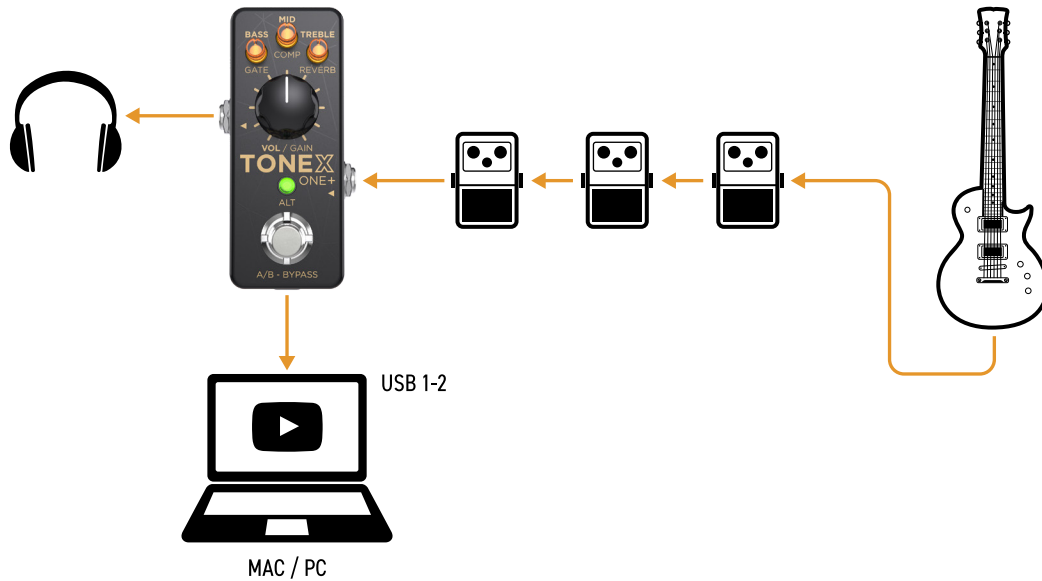


Figure A

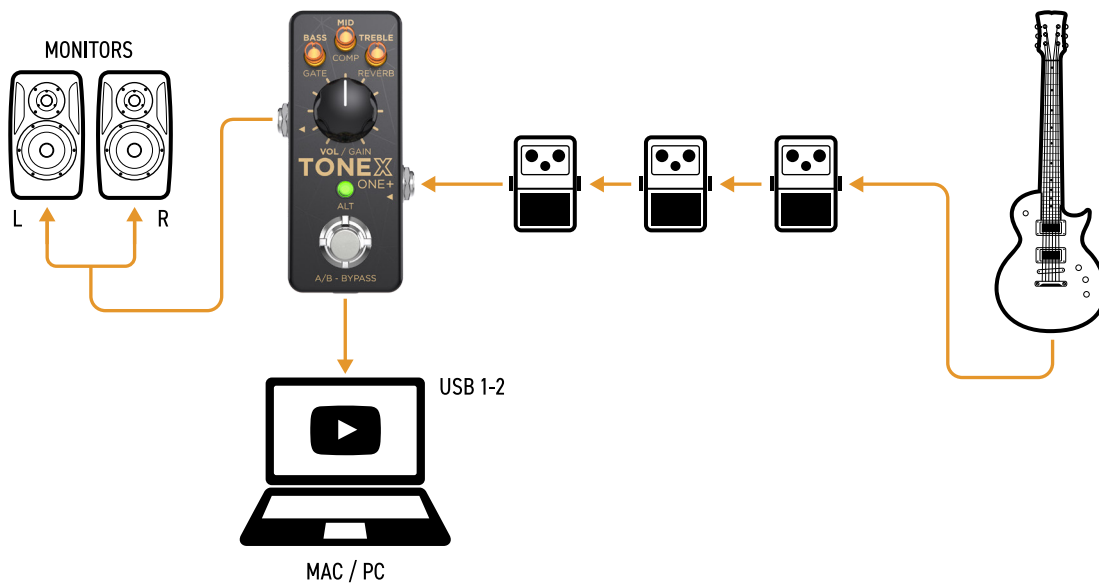


Figure B

## Front panel & connections

### 1. Main knob

Rotate to edit the main parameter preset volume or the alternative parameter gain.

### 2. Micro knobs

Rotate to edit the preset main parameters: bass, mid and treble or alternative parameters: gate, comp and reverb.

The LED color indicates which preset is selected.

### 3. ALT button

Press to access the alternative parameters.

Hold for 3 seconds to lock the device.

Hold for 6 seconds to access setup mode.

### 4. Footswitch

Press to toggle between preset A and preset B in dual mode or to bypass the pedal in stomp (on/off) mode. Hold to access the tune & tap mode.

### 5. Input jack

Mono unbalanced.

Plug your instrument here.

### 6. MIDI Input/Output

1/8" TRS Type A. Used to connect external MIDI devices.



## 7. Output jack

Mono/Stereo unbalanced.

Can be connected to other pedals, a PA (using a DI), an amplifier, an FRFR cabinet, headphones or studio monitors.

## 8. USB C

Can be used to manage TONEX ONE+ with the TONEX Editor, send and receive MIDI signals or be used as a 2x2 audio interface.

It can also power the unit (5V 270 mA).

## 9. Power in

9V DC 150 mA center negative

## Auto save

TONEX ONE+ automatically saves any changes made to the current preset in real time. This “analog-like” behavior avoids any edit loss for a faster and smoother experience without the need to manually save changes.

## Clip

If you are running a signal that is too hot and is clipping TONEX ONE+'s output stage, the ALT LED becomes **red**.

Lower TONEX ONE+ volume to avoid clipping.

### ALT colors

- **Green** – indicates that the pedal is running in dual mode, the footswitch toggles between preset A and preset B.
- **Amber** – indicates that the pedal is running in stomp mode. The footswitch activates or bypasses the selected preset.
- **Blue** – indicates that the pedal is in setup mode.
- **Shell pink** – indicates that the pedal is in tune & tap mode.
- **Purple** – indicates that the pedal is in preset browsing mode.

## Bluetooth mode

The Bluetooth mode can be accessed by holding down the ALT button and the footswitch together for 3 seconds.

When the micro-knobs blink **blue**, TONEX ONE+ is in discoverable mode and can be paired with a Bluetooth smartphone or tablet.

Once pairing is complete, the micro-knobs blink **blue** 3 times, and TONEX ONE+ is ready to be used.

The pairing mode is used only for pairing Bluetooth for audio streaming. The Bluetooth connection to the TONEX Control application is done automatically.

When streaming audio via Bluetooth, it can be blended with the processed guitar signal so that it can be used for rehearsing or play-along.

## Safe mode

The safe mode is helpful when performing, where you may want to lock the entire front panel to avoid unwanted parameter changes, but still use the footswitch to operate with presets.

Access and exit the safe mode by holding down the ALT button for 3 seconds until the micro knobs blink.

## Tune & tap mode

Hold the footswitch to access the tune & tap mode, the ALT led blinks **shell pink**.

While the tune & tap mode is active use, the ALT button to change tuning mode between:

- **Mute** – while the tuner is active, the output is muted.
- **Thru** – while the tuner is active, the signal passes through.

While in tune & tap mode, use the footswitch to tap the tempo of any BPM synced effects (the ALT LED blinks following the tempo).

Hold the footswitch to exit the tune & tap mode.

## Performance modes

TONEX ONE+ can operate in 2 different modes:

- **Dual mode** – lets you toggle between 2 presets using the footswitch. There is no bypass option in this mode. When the pedal is in dual mode, the ALT LED is **green**.
- **Stomp mode** – The stomp mode lets you use the pedal as a typical on/off stomp to activate or bypass the selected preset. When the pedal is in stomp mode, the ALT LED is **amber**.

## Mode selector

To change the performance mode, access the global setup and turn the bass micro knob (mode selector).

To learn more, reference the [“Setup”](#) chapter.



## Preset browsing mode

TONEX ONE+ comes with 20 built-in customizable presets, each assigned to 3 active slots (2 for the dual mode and 1 for the stomp mode).

### Browsing mode

To browse the 20 presets and assign them to the 3 active slots, press the ALT button and the footswitch simultaneously to enter browsing mode. The ALT LED turns purple.

Once accessed the browsing mode, the 3 micro knobs refer to the 3 active slots:

- **BASS** – dual mode, preset A.
- **MID** – dual mode, preset B.
- **TREBLE** – stomp mode.

Use the footswitch to select the active slot you want to edit, then turn the corresponding micro knob to select its preset assignment (the micro knob changes color to match the selected preset).

While browsing, you can use the main knob to edit the preset volume and, by pressing the ALT button, the gain of the selected preset.

Once the assignments are done, press the ALT button and the footswitch together to confirm and return to the selected preset.

*TIP: If you need to use 3 presets while performing, you can leave the browsing mode on and use the footswitch to cycle among the 3 active slots.*



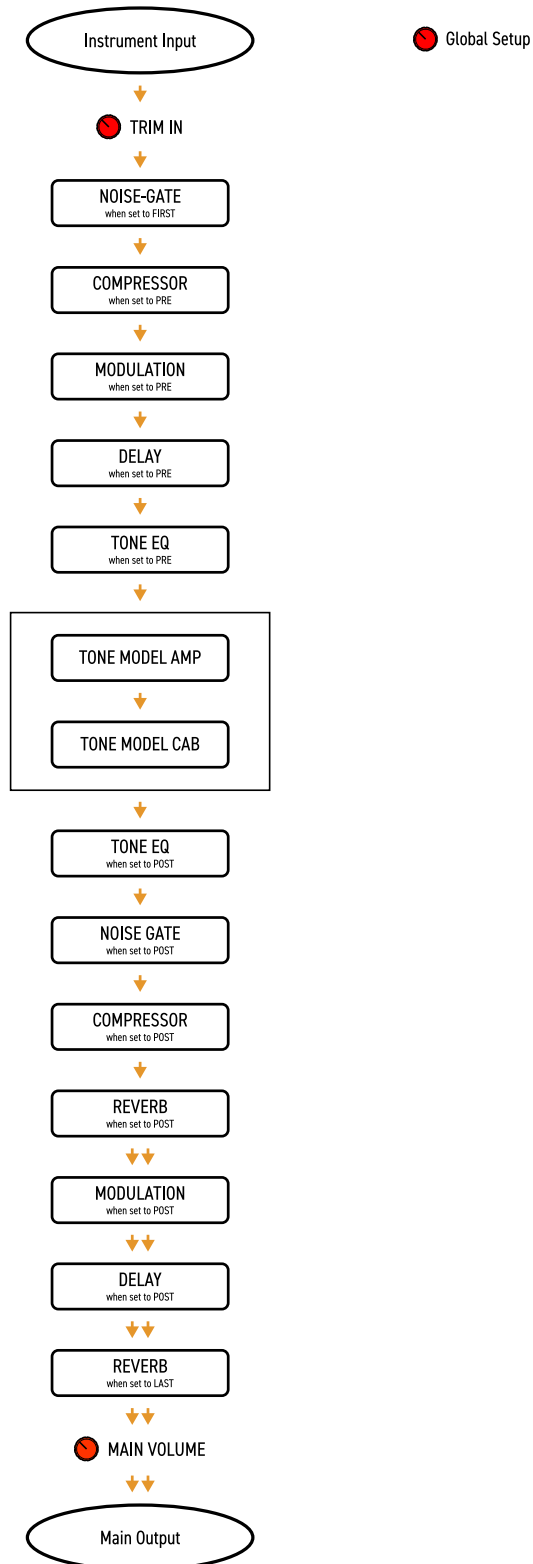
## Import Custom IR

Custom IRs are automatically imported when a preset containing a Custom IR as a cabinet is imported into TONEX ONE+.

To import a Custom IR into TONEX ONE+, select the Custom IR option in the tone model cabinet section in the editor.

## Signal Flow

The following flow chart shows the DSP audio signal flow.



## Parameters

### Main parameters

The main parameters are accessible using the 3 micro knobs and the main knob. These are:

- **Volume (main knob)**  
Adjusts the preset volume.  
It's automatically assigned to the:
  - Tone Model's volume (when the compressor is set to pre).
  - Compressor's makeup gain (when the compressor is set to post).
- **Bass**  
Adjusts the low-frequency level with a shelf EQ.
- **Mid**  
Adjusts the level of mid frequencies with a bell EQ.
- **Treble**  
Adjusts the level of high frequencies with a shelf EQ.

### Alternative parameters

The alternative parameters are accessible by pressing the ALT button (the ALT led and micro knobs start blinking) and rotating the 3 micro knobs and the main knob:

- **Gain (main knob)**  
Adjusts the Tone Model's input gain.  
Use this parameter to saturate more or less your Tone Model.
- **Noise-gate**  
Adjust the noise-gate threshold.
- **Compressor**  
Adjusts the compressor's threshold.
- **Reverb**  
Adjusts the reverb's mix.

## Additional parameters

The additional parameters are available when working with presets inside the TONEX for Mac/PC application. Once you edit these parameters, save as a preset and transfer to TONEX ONE+.

*NOTE: These parameters cannot be accessed on TONEX ONE+ only in TONEX software.*

<p><b>Noise Gate</b></p> <ul style="list-style-type: none"> <li>• On/Off</li> <li>• Release</li> <li>• Depth</li> <li>• Position</li> </ul>	<p>Modulation/ <b>Phaser</b></p> <ul style="list-style-type: none"> <li>• Rate</li> <li>• Depth</li> <li>• Level</li> <li>• Sync</li> </ul>	<p>Delay/ <b>Tape</b></p> <ul style="list-style-type: none"> <li>• Time</li> <li>• Feedback</li> <li>• Mix</li> <li>• Mode</li> </ul>	<p>Reverb/ <b>Spring 4</b></p> <ul style="list-style-type: none"> <li>Time</li> <li>Pre-delay</li> <li>Color</li> <li>Mix</li> </ul>
<p><b>Compressor</b></p> <ul style="list-style-type: none"> <li>• On/Off</li> <li>• Gain</li> <li>• Attack</li> <li>• Position</li> </ul>	<p>Modulation/ <b>Flanger</b></p> <ul style="list-style-type: none"> <li>• Rate</li> <li>• Depth</li> <li>• Feedback</li> <li>• Level</li> <li>• Sync</li> </ul>	<p><b>Reverb</b></p> <ul style="list-style-type: none"> <li>• On/Off</li> <li>• Position</li> <li>• Type</li> </ul>	<p>Reverb/ <b>Room</b></p> <ul style="list-style-type: none"> <li>• Time</li> <li>• Pre-delay</li> <li>• Color</li> <li>• Mix</li> </ul>
<p><b>Modulation</b></p> <ul style="list-style-type: none"> <li>• On/Off</li> <li>• Position</li> <li>• Type</li> </ul>	<p>Modulation/ <b>Rotary</b></p> <ul style="list-style-type: none"> <li>• Speed</li> <li>• Radius</li> <li>• Spread</li> <li>• Level</li> <li>• Sync</li> </ul>	<p>Reverb/ <b>Spring 1</b></p> <ul style="list-style-type: none"> <li>• Time</li> <li>• Pre-delay</li> <li>• Color</li> <li>• Mix</li> </ul>	<p>Reverb/ <b>Plate</b></p> <ul style="list-style-type: none"> <li>• Time</li> <li>• Pre-delay</li> <li>• Color</li> <li>• Mix</li> </ul>
<p>Modulation/ <b>Chorus</b></p> <ul style="list-style-type: none"> <li>• Rate</li> <li>• Depth</li> <li>• Level</li> <li>• Sync</li> </ul>	<p><b>Delay</b></p> <ul style="list-style-type: none"> <li>• On/Off</li> <li>• Position</li> <li>• Type</li> </ul>	<p>Reverb/ <b>Spring 2</b></p> <ul style="list-style-type: none"> <li>• Time</li> <li>• Pre-delay</li> <li>• Color</li> <li>• Mix</li> </ul>	<p><b>Advanced</b></p> <ul style="list-style-type: none"> <li>• Bass freq</li> <li>• Mid freq</li> <li>• Mid Q</li> <li>• Treble freq</li> <li>• EQ Position</li> <li>• Presence</li> <li>• Depth</li> <li>• Mix</li> </ul>
<p>Modulation/ <b>Tremolo</b></p> <ul style="list-style-type: none"> <li>• Rate</li> <li>• Shape</li> <li>• Spread</li> <li>• Level</li> <li>• Sync</li> </ul>	<p>Delay/ <b>Digital</b></p> <ul style="list-style-type: none"> <li>• Time</li> <li>• Feedback</li> <li>• Mix</li> <li>• Mode</li> </ul>	<p>Reverb/ <b>Spring 3</b></p> <ul style="list-style-type: none"> <li>• Time</li> <li>• Pre-delay</li> <li>• Color</li> <li>• Mix</li> </ul>	

The full list of modules and parameters available in the TONEX chain can be found in the TONEX for Mac/PC manual.

## Setup

To access the setup, hold the ALT LED for 6 seconds until it becomes **blue**.

While in setup mode, each micro knob and the main knob control 4 different setup options:

- **Mode selector** – *micro knob 1*
- **Cab bypass** – *micro knob 2*
- **Input trim** – *micro knob 3*
- **Global volume** – *main knob*

## Mode selector

*Micro knob 1*

Turn the first micro knob counter-clockwise until it becomes **green** to operate in dual mode. Turn it clockwise until it becomes **amber** to operate in stomp mode.



## Cab bypass

### Micro knob 2

Turn the second micro knob counter-clockwise until it becomes green to activate the cabinet on all presets. Turn it clockwise until it becomes **red** to bypass the cabinet on all presets.

When the cabinet is bypassed, the ALT LED blinks **red**.

When the cabinet is bypassed during regular use, the ALT LED blinks every 5 seconds.



## Input trim

### Micro knob 3

Turn the third micro knob counter-clockwise/clockwise to lower/raise the input trim volume while using its LED as a meter.



## Global volume

### *Main knob*

Turn the main knob to adjust the global volume of TONEX ONE+.



## TONEX ONE+ as an audio interface

TONEX ONE+ can be used to play along with your favorite tracks to practice, or to record your guitar tracks by connecting it to your computer. This audio interface operates at 44.1 kHz and 24-bit resolution.

### TONEX ONE+ for play-along

To use TONEX ONE+ to play along with your favorite music, connect it to your PC or Mac and select it as your output audio interface.

Use the controls on your computer/playback application to adjust the computer's volume.

Use the controls on TONEX ONE+ to adjust your instrument signal's volume and tone.

## TONEX ONE+ for recording

To use TONEX ONE+ to record to your computer, connect it to your PC or Mac and select it as your input and/or output interface.

## TONEX ONE+ as an audio interface

When using TONEX ONE+ as an audio interface, you can record the TONEX ONE+ processed stereo signal by selecting Input 1 and 2 in your DAW.

If you prefer to record an unprocessed mono DI signal, select stomp mode and push the main switch to bypass the onboard Tone Model. In your DAW, select Input 1 or 2 to record a clean DI signal.

To monitor the sound coming from your computer, plug your headphones into the TONEX ONE+ output and select Output 1 and 2 in your DAW as the main outputs.

Use the controls on your DAW/application to adjust the playback volume.

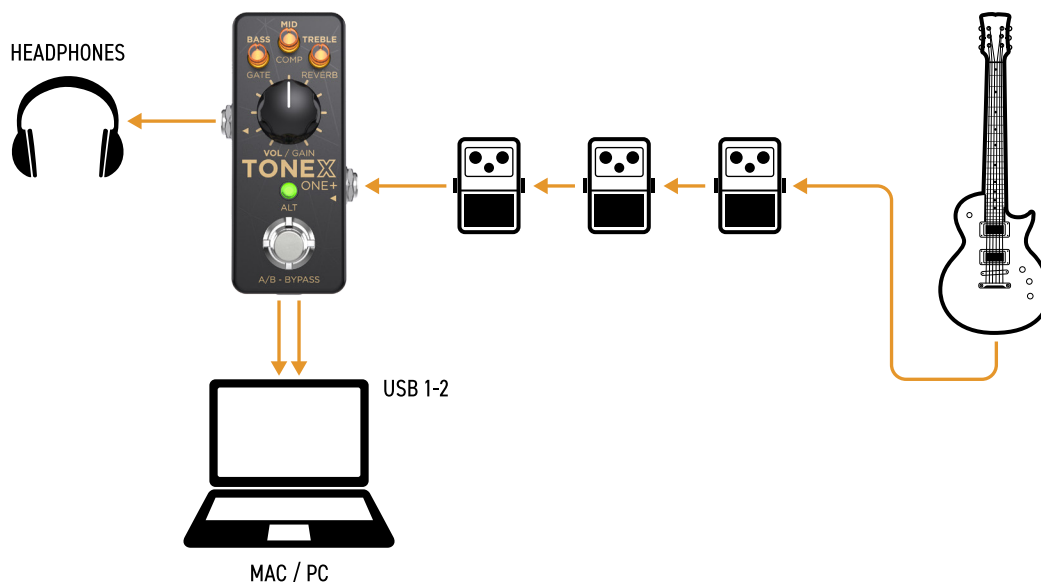
Use the controls on TONEX ONE+ to adjust your instrument signal's input volume and tone.

If you monitor through your DAW, disable direct monitoring in the TONEX Editor to avoid a double monitoring effect while recording.

If you are using TONEX ONE+ to feed TONEX software or another amp simulator software, remember to bypass TONEX ONE+ internal processing by going to stomp mode and setting the pedal to bypass to send only the DI signal to the amp simulator.

*TIP: When connecting TONEX ONE+ to your computer, you don't need any additional power supply besides the USB-C cable.*

*TONEX ONE+ can be powered via its USB-C port when connected to a computer.*



## MIDI

TONEX ONE+ features MIDI input and output to receive and send MIDI signals such as:

- Program Changes to control presets
- Control Changes to control parameters
- Clock to control tempo

Using the TONEX Control app or the TONEX Editor on Mac/PC, you can access the following global settings:

- MIDI Channel
  - 1 - 16
- Repeated Program Changes
  - Ignore: if the preset corresponding to an incoming PC is already active, the PC gets ignored
  - Bypass: if the preset corresponding to an incoming PC is already active, it gets bypassed
- MIDI Thru
  - Off
  - Thru
  - Merge
- Clock Mode
  - Off
  - Master
  - Slave MIDI
  - Slave USB

## MIDI Program Changes

TONEX ONE+ supports MIDI Program Change messages for direct access to the 20 memory slots in the device library.

Program Change messages 0–19 load presets 1–20 on TONEX ONE+. Sending the same Program Change message twice can be configured to bypass/activate the current preset or be ignored (this setting is available in the TONEX Control app or TONEX Editor on Mac/PC).

Pressing the TONEX ONE+ footswitch returns the device to selecting the A, B, or C slot preset.

## MIDI Control Changes

### Global & Switching

PARAMETER	CONTROL CHANGE #	VALUE RANGE
Preset On/Off	12	000 = Off 127 = On
Tuner	9	Toggle
Tap Tempo	10	Toggle
BPM	88	000 - 127
Preset Down	86	Toggle
Preset Up	87	Toggle

### Main Amp Parameters

PARAMETER	CONTROL CHANGE #	VALUE RANGE
Gain	102	000 - 127
Bass	23	000 - 127
Mid	25	000 - 127
Treble	28	000 - 127
Volume (Model)	103	000 - 127
Presence	106	000 - 127
Depth	107	000 - 127
Mix (Model)	104	000 - 127

### Noise Gate

PARAMETER	CONTROL CHANGE #	VALUE RANGE
Power	14	000 = Off 127 = On
Threshold	15	000 - 127
Release	16	000 - 127
Depth	17	000 - 127
Position	13	000 = First 127 = Post Amp

## Compressor

PARAMETER	CONTROL CHANGE #	VALUE RANGE
Power	18	000 = Off 127 = On
Threshold	19	000 - 127
Gain	20	000 - 127
Attack	21	000 - 127
Position	22	000 - 127

## EQ

PARAMETER	CONTROL CHANGE #	VALUE RANGE
Bass Freq	24	000 - 127
Mid Q	26	000 - 127
Mid Freq	27	000 - 127
Treble Freq	29	000 - 127
Position	30	000 = Pre 127 = Post

## Reverb

PARAMETER	CONTROL CHANGE #	VALUE RANGE
<b>Power</b>	75	000 = Off 127 = On
<b>Type</b>	85	000 = Spring 1 001 = Spring 2 002 = Spring 3 003 = Spring 4 004 = Room 005 = Plate
<b>Position</b>	84	000 = Post Amp 127 = Last

## Specific Reverb Parameters

PARAMETER	SPRING 1	SPRING 2	SPRING 3	SPRING 4	ROOM	PLATE
<b>Time</b>	CC 59	CC 63	CC 67	CC 80	CC 71	CC 76
<b>Pre-Delay</b>	CC 60	CC 64	CC 68	CC 81	CC 72	CC 77
<b>Color</b>	CC 61	CC 65	CC 69	CC 82	CC 73	CC 78
<b>Mix</b>	CC 62	CC 66	CC 70	CC 83	CC 74	CC 79

## Delay

PARAMETER	CONTROL CHANGE #	VALUE RANGE
Power	2	000 = Off 127 = On
Type	3	000 = Digital 001 = Tape
Position	1	000 = Pre Amp 127 = Post Amp

## Specific Delay Parameters

PARAMETER	DIGITAL DELAY	TAPE DELAY
Sync	CC 4	CC 91
Time	CC 5	CC 92
Feedback	CC 6	CC 93
Mode (Norm/Ping)	CC 7	CC 94
Mix	CC 8	CC 95

## Modulation

PARAMETER	CONTROL CHANGE #	VALUE RANGE
Power	CC 32	000 = Off 127 = On
Type	CC 33	000=Chorus 001=Tremolo 002=Phaser 003=Flanger 004=Rotary
Position	CC 31	000 = Pre Amp 127 = Post Amp

## Specific Modulation Parameters

PARAMETER	CHORUS	TREMOLO	PHASER	FLANGER	ROTARY
Sync	CC 34	CC 38	CC 38	CC 47	CC 52
Rate/Speed	CC 35	CC 39	CC 39	CC 48	CC 53
Depth/Radius	CC 36	-	-	CC 49	CC 54
Level/Mix	CC 37	CC 42	CC 42	CC 51	CC 56
Shape	-	CC 40	CC 40	-	-
Feedback	-	-	-	CC 50	-
Spread	-	CC 41	CC 41	-	CC 55

## TONEX Control App

TONEX Control is the dedicated mobile companion app for TONEX ONE+ hardware. It provides deep sound editing, preset management, practice tools, and ToneNET integration, giving you complete control of your tone directly from your smartphone.

### Getting Started

#### Installation

Download TONEX Control from the [App Store](#) (iOS) or [Google Play](#) (Android).

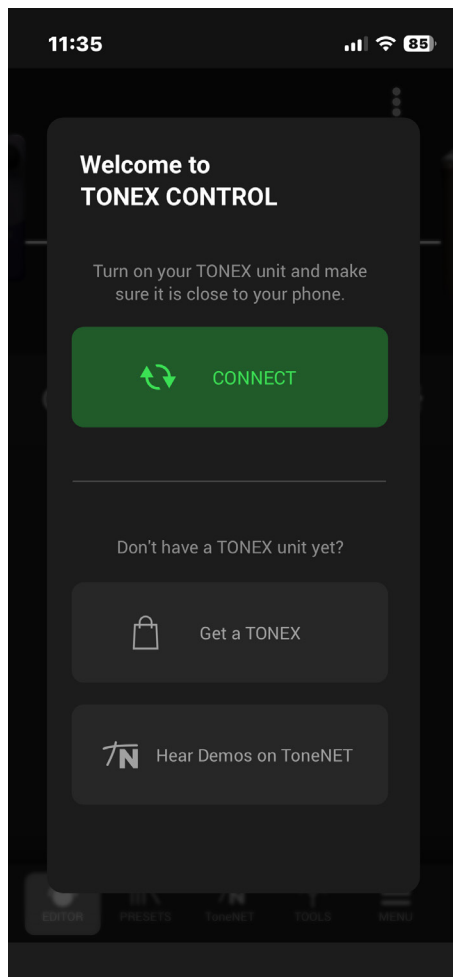


#### First Launch and Permissions

On first launch, the app may request permission to access Bluetooth (for hardware connections) and storage (for backing tracks and preset management). Allow these permissions to ensure all features work properly

## Connecting TONEX ONE+ to TONEX Control

1. Power on TONEX ONE+.
2. Open TONEX Control App.
3. Tap CONNECT.
4. TONEX Control automatically connects to the first device detected within range



While TONEX Control is connected to a device, it is not available for pairing with another device. Power off the currently paired device before attempting to connect a new one.

To work with multiple devices power them on and connect them one at the time.

## App Navigation and Main Sections

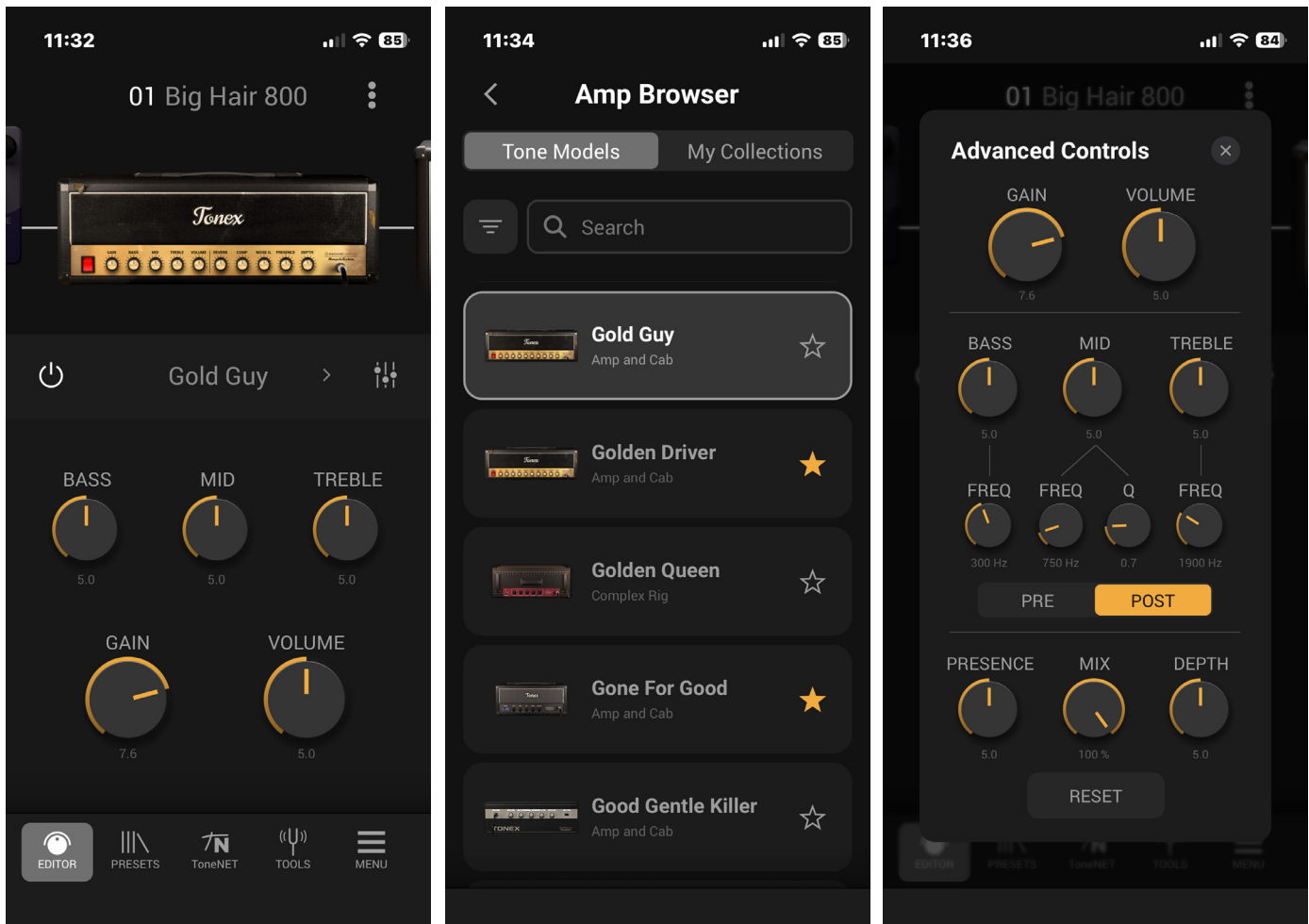
### Editor

The Editor section is where you customize your presets. Here, you can select and swap Tone Models for amplifiers and cabinets, load Impulse Responses (IRs) or advanced VIRs, and fine-tune effects such as reverb, delay, modulation, compression, and noise gate.

The following diagram shows the standard sections of all blocks in the gear chain within the Editor:

1. **Preset Name:** Displays the active preset. The More Options menu (three dots) allows you to save changes.
2. **Gear View:** Provides a graphical view of the selected block.
3. **Power Button:** Enables or disables the current block.
4. **Model Selector:** Opens a menu of available amp, cab, and FX types based on the selected block.
5. **Settings Icon:** Provides access to additional configuration options, such as advanced settings or effect block parameters.
6. **Control Knobs / Buttons:** Provide direct control over key tone-shaping functions.

## Amp Section



## Amp Browser

Tapping the name of the Tone Model opens the Amp Browser. Here, you can browse all available Tone Models or view My Collections to access your purchased Tone Models.

- Use the search bar to quickly locate a specific Tone Model.
- The star icon lets you save favorites for quick access.
- Swiping left on a Tone Model reveals the Info button for additional details.

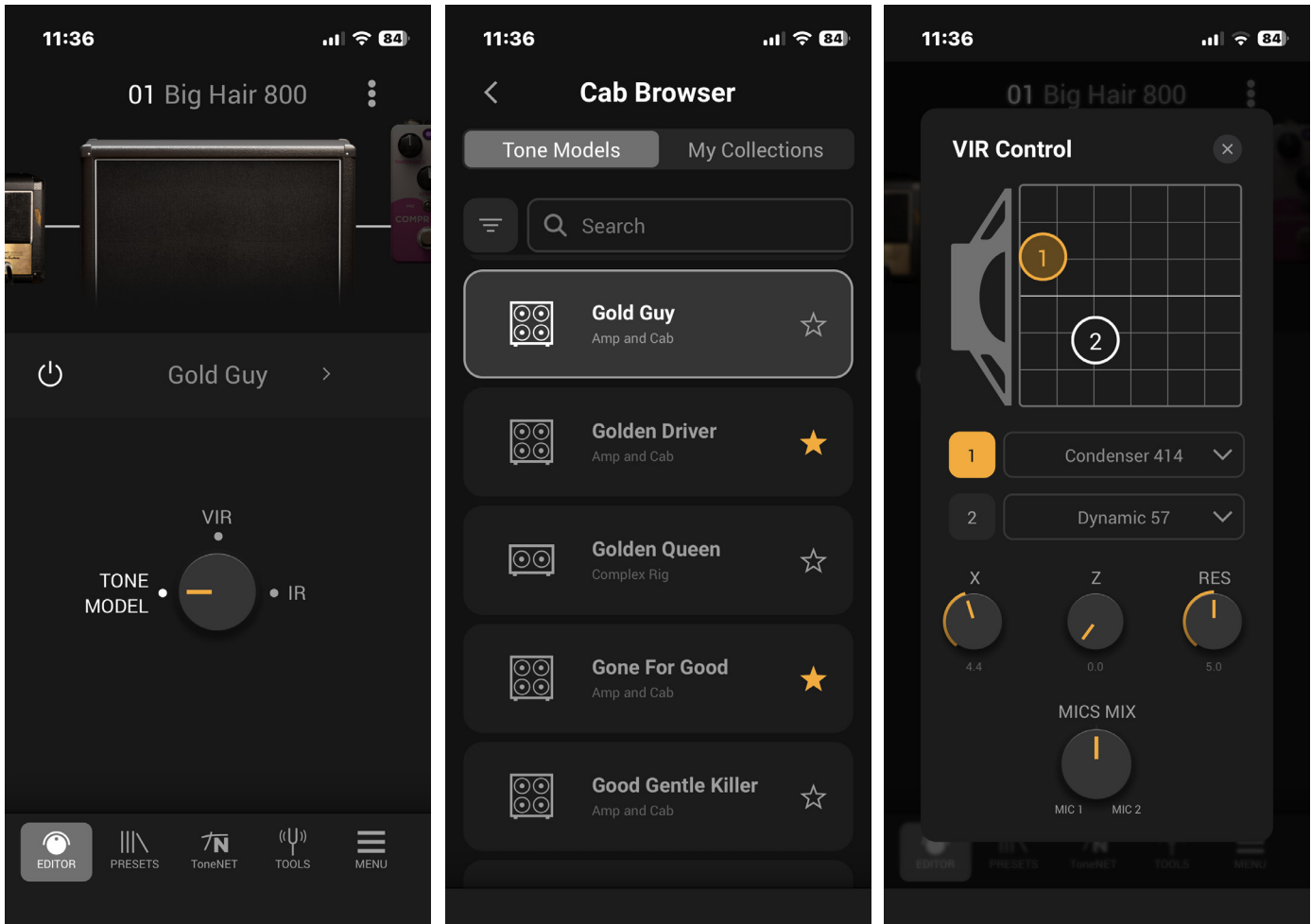
Remember to log in to your account (Menu > Account) to view the full list of available Tone Models.

## Advanced Controls

Tapping the **Advanced Options** button opens the Advanced Controls screen. This view provides access to detailed tone-shaping parameters beyond the basic controls.

- **Gain and Volume:** Adjust input drive and overall output level.
- **Bass, Mid, Treble:** Control the main EQ bands.
- **Frequency and Q:** Fine-tune midrange response with frequency and bandwidth controls.
- **Pre/Post Switch:** Select whether EQ is applied before or after the main amp stage.
- **Presence, Mix, Depth:** Shape high-end clarity, effect blend, and low-frequency resonance.
- **Reset Button:** Restores all advanced controls to their default values.

## Cab Section



The Cabinet section allows you to refine and customize your amplifier’s sound by adjusting speaker and microphone settings. It offers three main control areas: Tone Model, VIR, and IR.

In the Tone Model area, you can open the Cab Browser to explore and select from available “Cab” Tone Models.

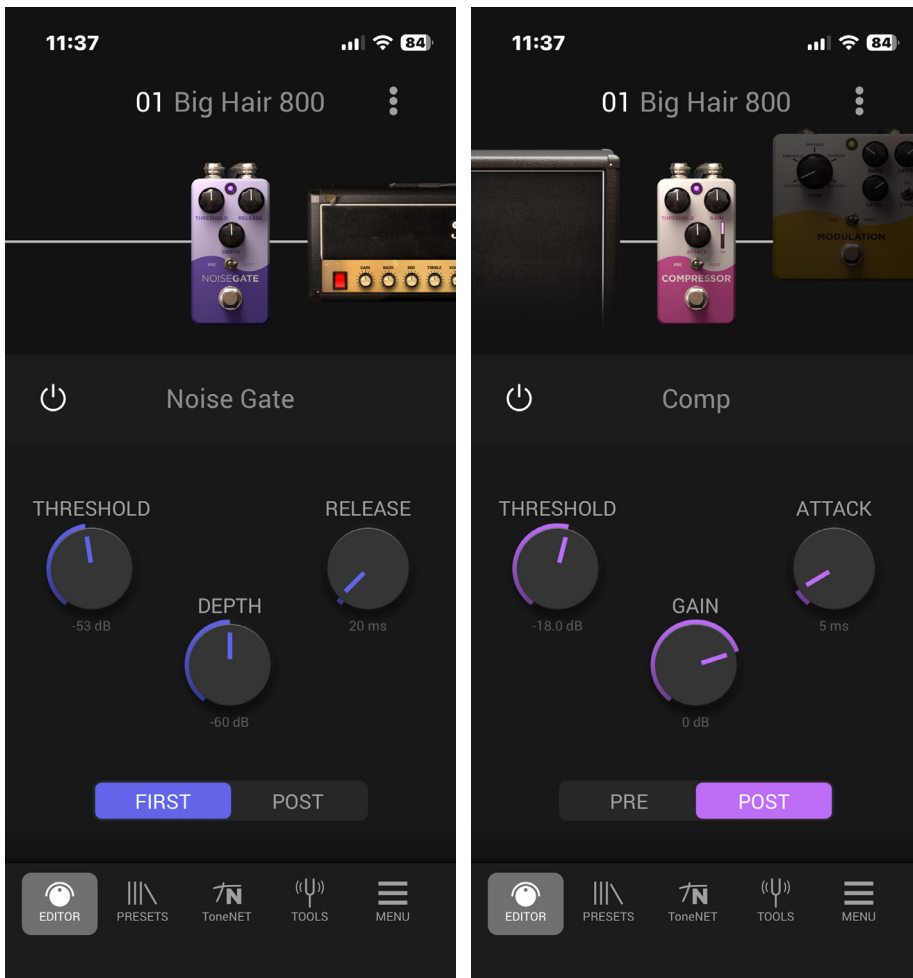
The VIR section provides a more advanced level of customization. Here, you can choose from a wide range of cabinet models and experiment with different microphones and their placement on the speaker cone. Using the VIR Control grid, you can move microphones along the X and Z axes, adjust resonance, and fine-tune tonal response.

The Mic Mix control lets you blend two microphones to achieve the desired balance, offering true studio-like flexibility.

The IR (Impulse Response) section lets you load custom cabinet simulations directly from your smartphone’s storage in standard .wav format, simplifying the integration of third-party impulse responses.

Remember to log in to your account (Menu > Account) to view the full list of available Tone Models.

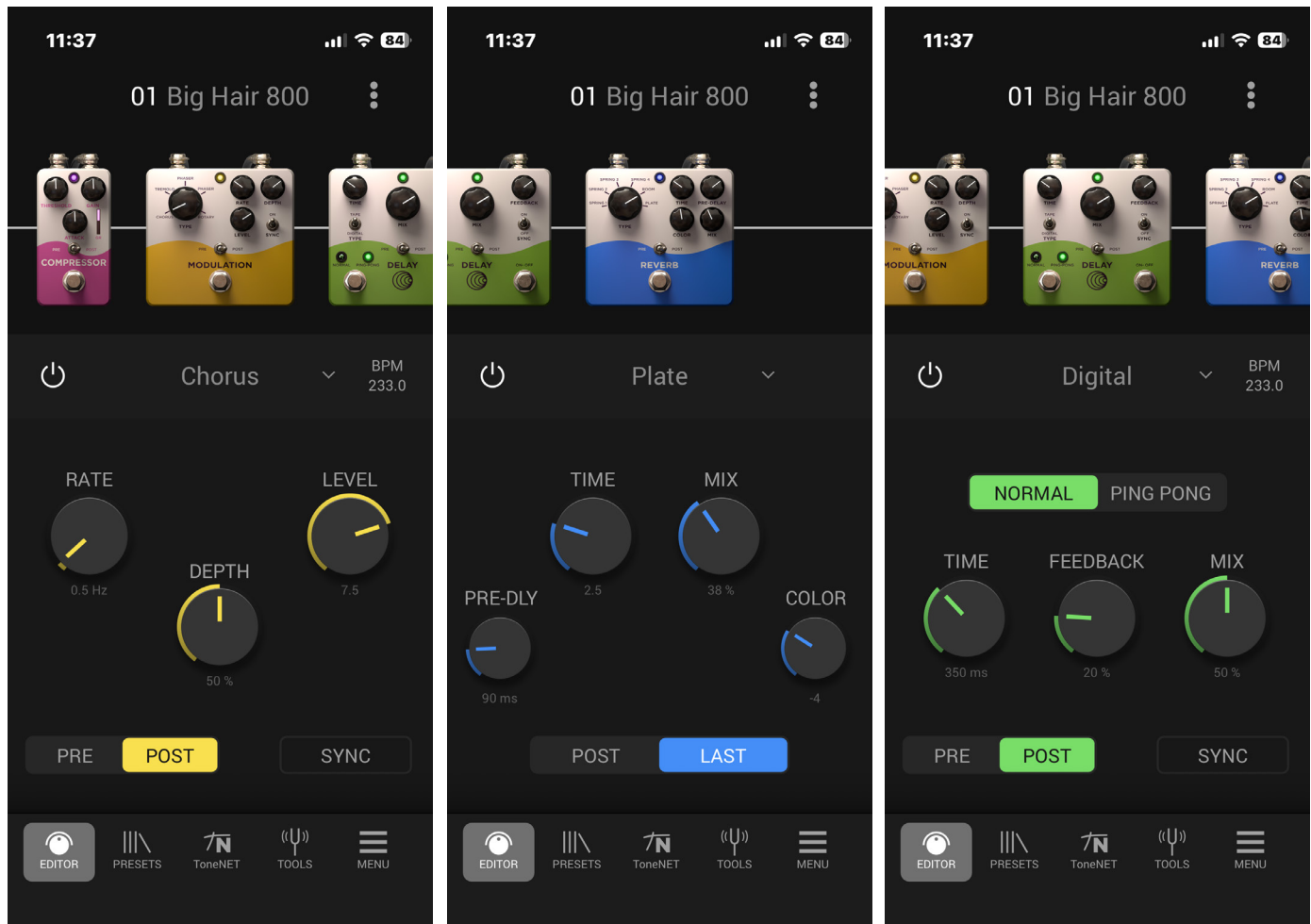
## Noise Gate and Compressor



The **Noise Gate** block can be configured pre or post amp/cab and helps reduce unwanted hum, buzz, and background noise while preserving the natural dynamics of your playing. The **Threshold** control determines the level at which the gate activates, while **Release** controls how quickly the gate closes once the signal falls below the threshold. The **Depth** control adjusts how much attenuation is applied when the gate is active. By balancing these settings, you can achieve anything from subtle noise reduction to a tight, percussive cutoff, making the Noise Gate a reliable tool for both high-gain tones and precise clean sounds.

The **Compressor** block can also be configured pre or post amp/cab and evens out your playing dynamics by reducing peaks and boosting softer notes, resulting in a more controlled and polished sound. **Threshold** sets the level at which compression begins, while **Attack** determines how quickly the compressor responds to the incoming signal. The **Gain** control adjusts the output level after compression, compensating for any volume loss. When used subtly, the compressor adds sustain and clarity; when used more aggressively, it produces tight, consistent tones ideal for both rhythm and lead playing.

## Modulation, Reverb, and Delay



The **Modulation** block can be configured pre or post amp/cab and offers classic effects like chorus, flanger, and phaser, adding movement and depth to your sound. Controls vary based on the selected effect but generally include **Depth**, which controls the intensity of the modulation, and **Rate**, which determines the speed. All modulation effects can be synchronized to either the global BPM or the preset BPM, ensuring perfect timing with your playing or backing tracks. This flexibility enables anything from subtle tonal color to broad, expressive textures.

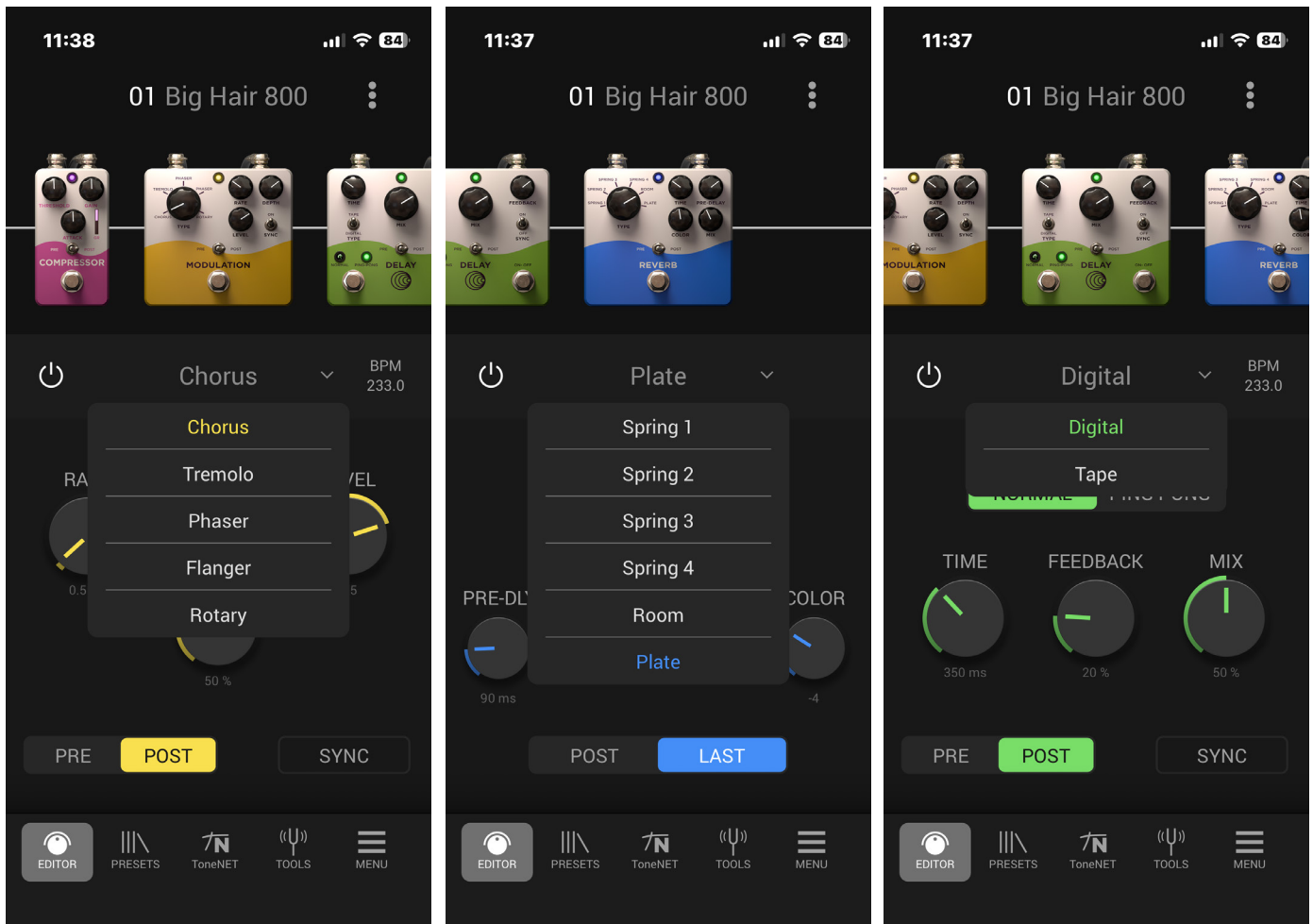
The **Reverb** block can be configured pre or post amp/cab and simulates acoustic spaces, from small rooms to large halls. **Pre-Delay** sets the time before reverb reflections begin, while **Time** determines the overall decay. The **Mix** parameter controls the balance between dry and processed signals, and **Color** shapes the tonal character of the reverb, from darker to brighter sounds. These controls let you create anything from subtle room ambience to full, atmospheric reverbs.

The **Delay** block can be configured pre or post amp/cab and affects the repeats of your guitar signal, creating rhythmic echoes or spacious layers. **Time** controls the delay interval, while **Feedback** determines how many

repeats are generated. **Mix** controls the balance between dry and delayed signals. Some delay types also include modulation controls such as **Rate** and **Depth**, which add movement to the repeats. With these controls, you can create subtle echoes or rich, evolving delay textures that stay in sync with your performance.

## FX Type Selection

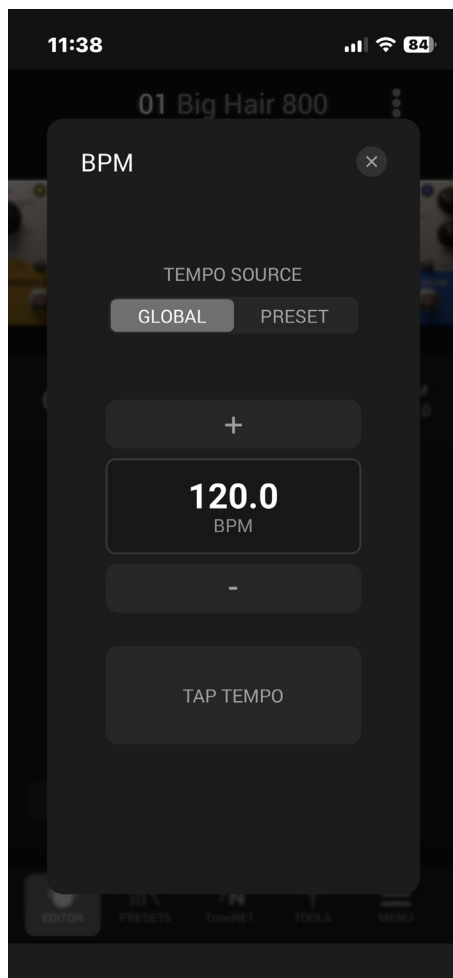
Within the Reverb, Modulation, and Delay sections, you can choose different effect algorithms from the **FX Type** dropdown menu. Each algorithm offers a unique character and response, helping you tailor the effect to your style.



## BPM and Tempo

Next to the FX Type menu, the **BPM** button opens the tempo control window. Here, you can set delay or modulation timing by tapping the tempo, entering a BPM value manually, or choosing whether the effect follows the Global BPM (shared across all presets) or a Preset BPM (specific to the active preset).

This BPM is linked to the tap tempo function on TONEX ONE+, which is accessed by holding down the footswitch



## Presets

The Presets section is the main area for browsing, managing, and saving sounds. It is divided into two sections, each serving a different purpose.

## TONEX ONE+

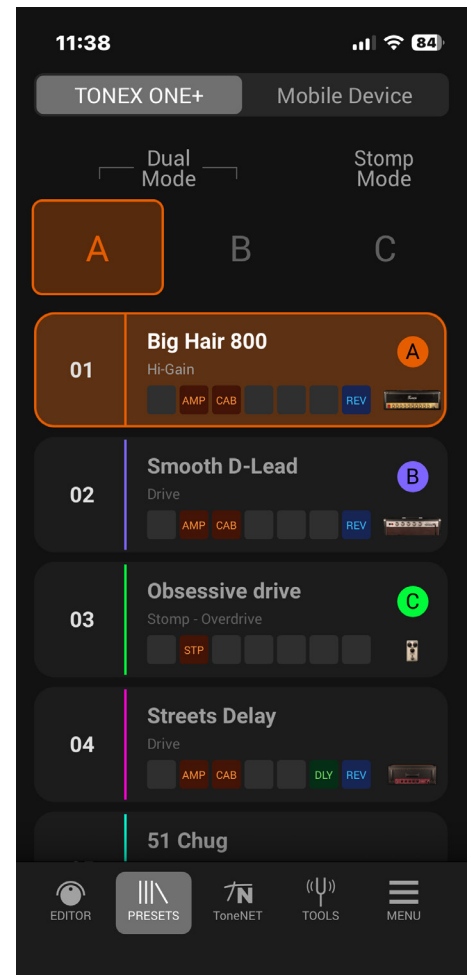
This is the device's internal library, which features 20 presets assignable to 3 playable slots: A, B and C.

- A and B are available in Dual mode, and the footswitch toggles between them.
- C is available in Stomp mode, and the footswitch activates or bypasses it.

To change the preset assigned to a slot, select the desired slot (A, B, or C), then choose the preset you want to assign from the list.

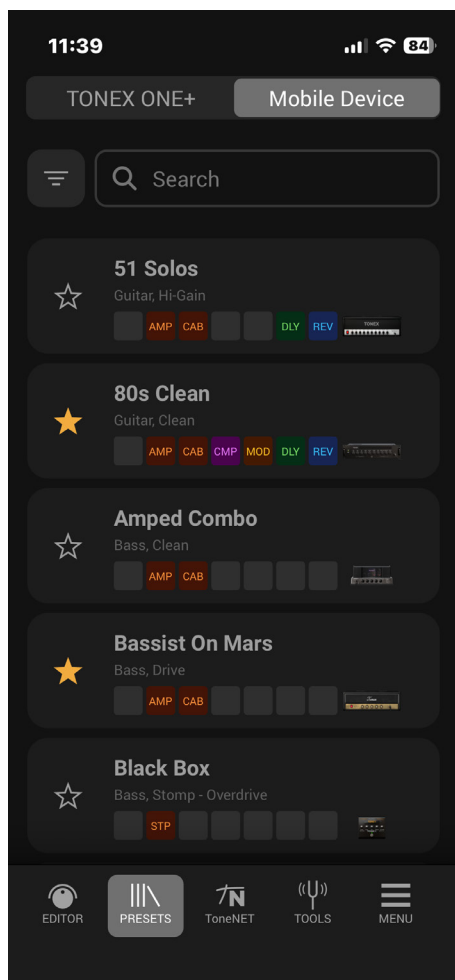
Presets not assigned to a slot can still be recalled from the hardware using MIDI Program Change messages.

Each preset can be color-coded (swipe left), making it easy to identify during live performance or quick navigation.



## Saving Presets

### Mobile Device library



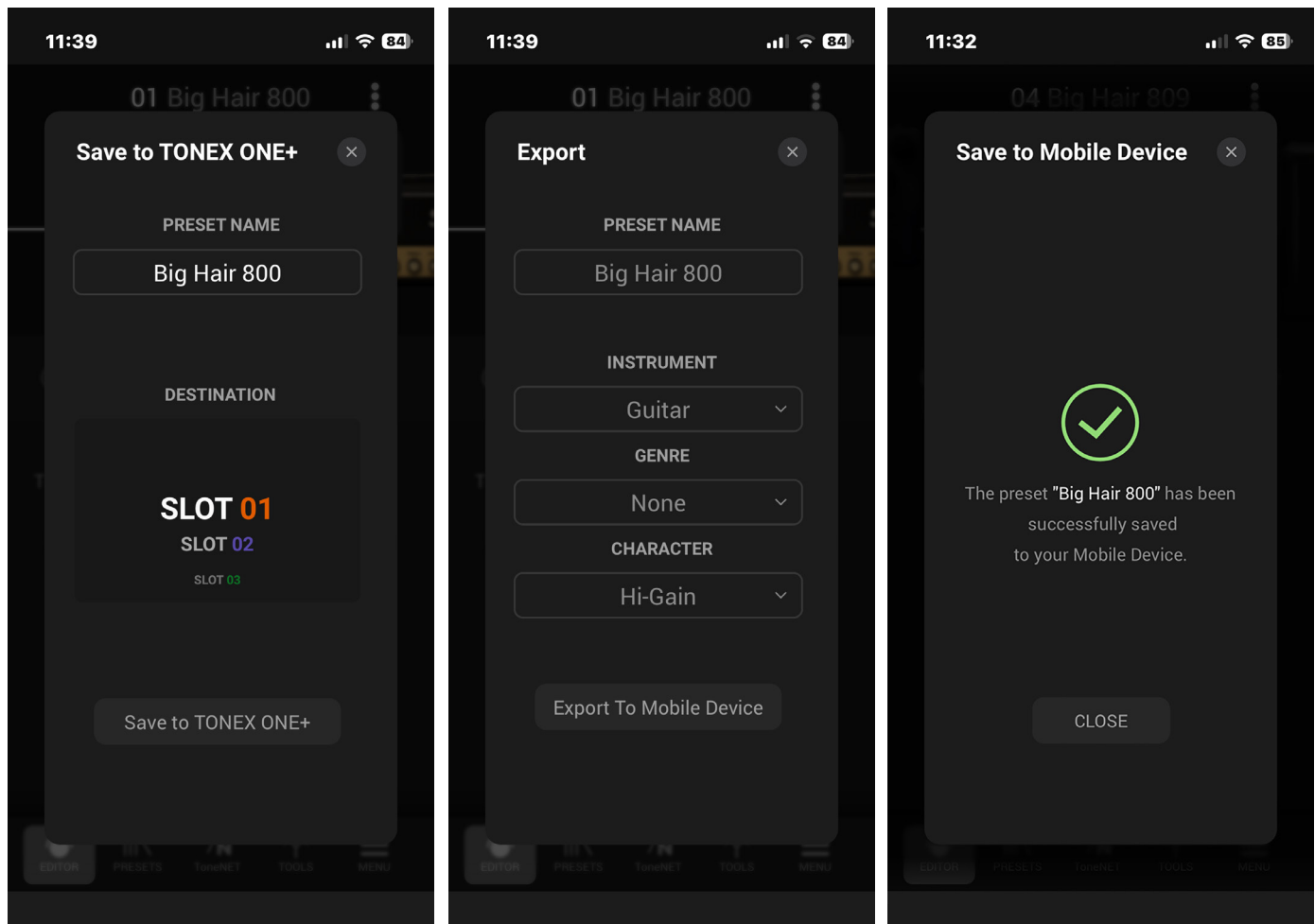
This is your unlimited library stored on your mobile device (smartphone or tablet). It offers maximum flexibility for organizing and expanding your collection.

- Presets stored here can be created, imported, or backed up without limitations.
- Tap a preset to transfer it to the TONEX ONE+ library.
- If a preset from the mobile device library is already assigned to a slot in the TONEX ONE+ library, its slot is displayed for easy reference.
- Tap the star icon on a preset to add it to your favorites.

From the Editor screen, you can access save options by tapping the three-dot menu next to the preset name.

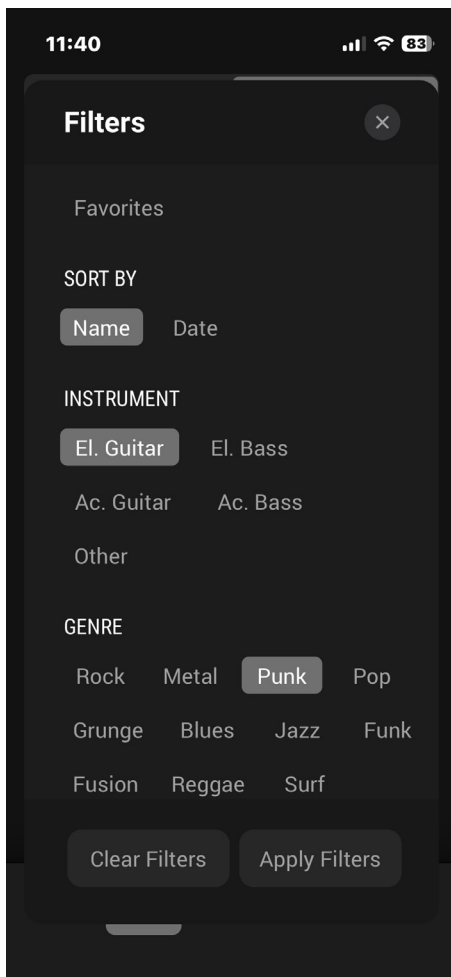
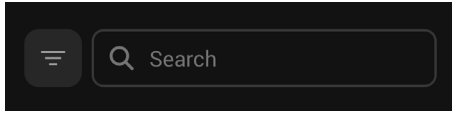
This opens the save menu, which includes two options:

- **Save As:** Allows you to choose where to store the new preset in the TONEX ONE+ library.
- **Export:** Allows you to export the preset from the TONEX ONE+ library to the mobile device library for backup or upload to ToneNET.

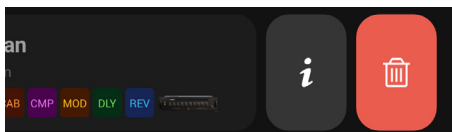


## Smart Gestures

The Filter bar lets you refine the list based on selected criteria. Whether browsing presets or Tone Models, filters provide a quick and efficient way to organize and find what you need.



Each list of Tone Models or presets, depending on the active view, supports smart gestures for faster interaction. Swiping left on an item reveals quick actions such as Info or Delete, helping you manage your content efficiently. Additional actions may vary by section, providing context-specific options to streamline your workflow.



## ToneNET

The ToneNET section provides direct access to the online community, where new content is constantly shared and updated. After logging in, the app displays a live feed featuring the latest Tone Models and presets available for exploration.

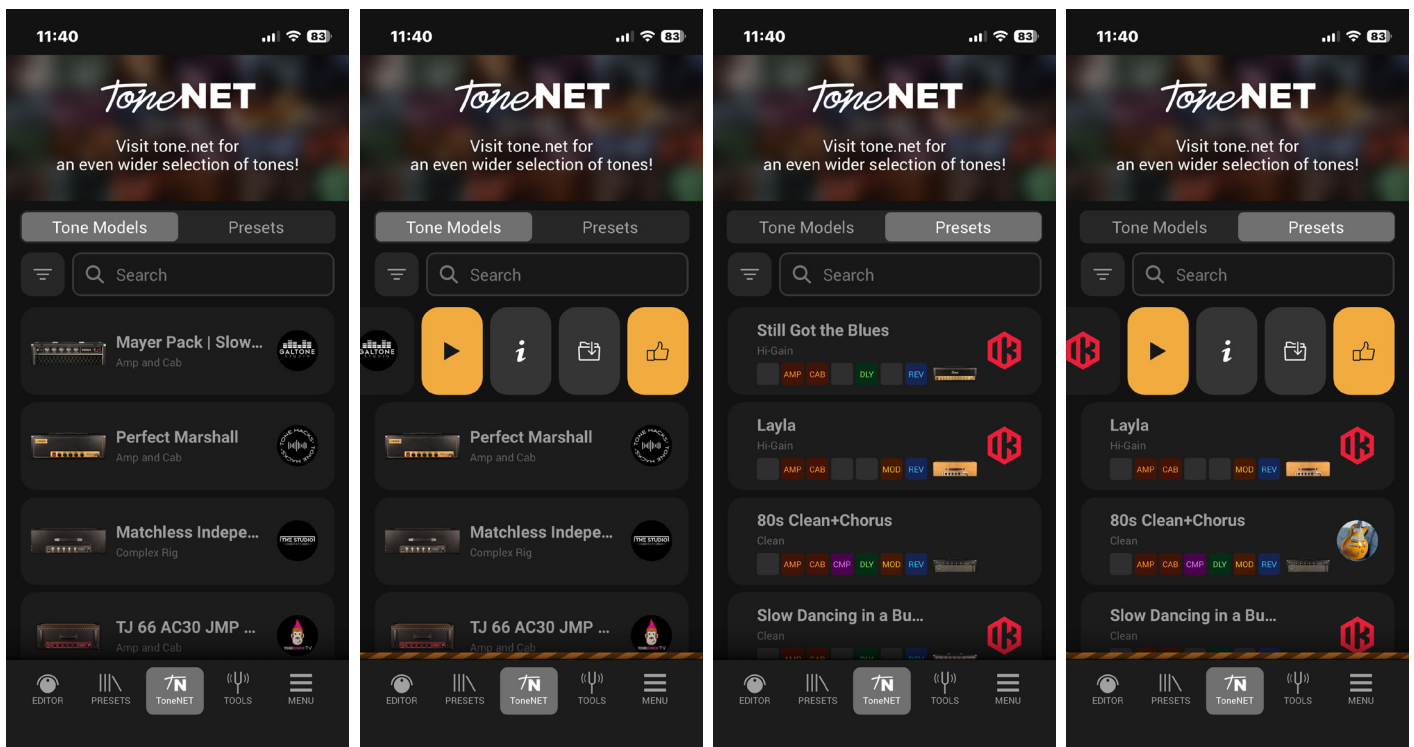
Each entry in the feed represents a Tone Model or preset that you can preview, evaluate, and download.

Swiping left on an item reveals a quick action menu with several options:

- **Play Demo:** Instantly plays a sample of the tone.
- **Info:** Displays details about the model's setup and creator.
- **Download to Local Library:** Saves the Tone Model or preset directly to your smartphone for immediate use.
- **Like:** Adds it to your favorites for easy access later.

*NOTE: Tone Models downloaded from ToneNET appear in the Amp Browser, as they are not presets.*

Tap a Tone Model or preset to load it into (or overwrite) the selected preset, allowing you to play and evaluate it in real time. You can then return to the Editor to adjust parameters or replace the Tone Model as needed.

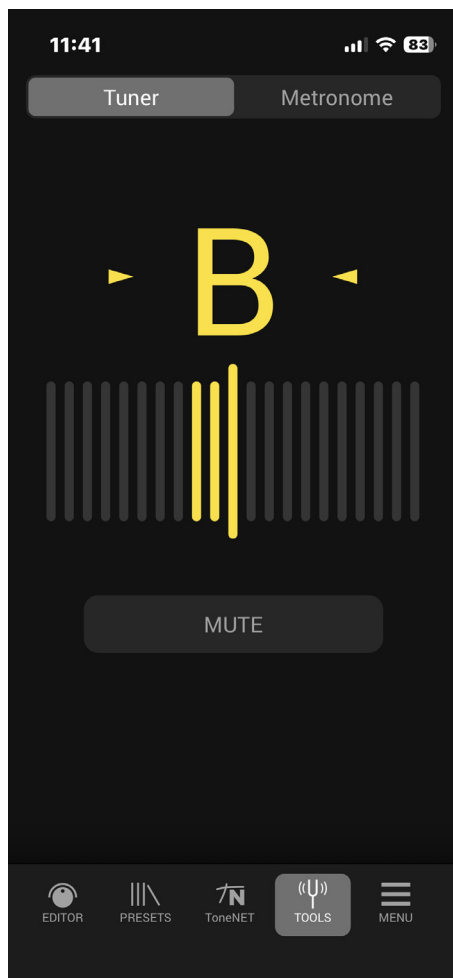


## Tools

### Tuner

The Tools section includes the Tuner, a simple and accurate tuning utility. Here, you can choose to mute the audio output while tuning, making it a practical tool for both practice and live performance.

Holding the footswitch on TONEX ONE+ activates **tuner/tap mode** and automatically switches the app to this view. Switching to this view also activates the tuner on the hardware device, providing a tuning reference on both the app and the TONEX ONE+ LEDs.



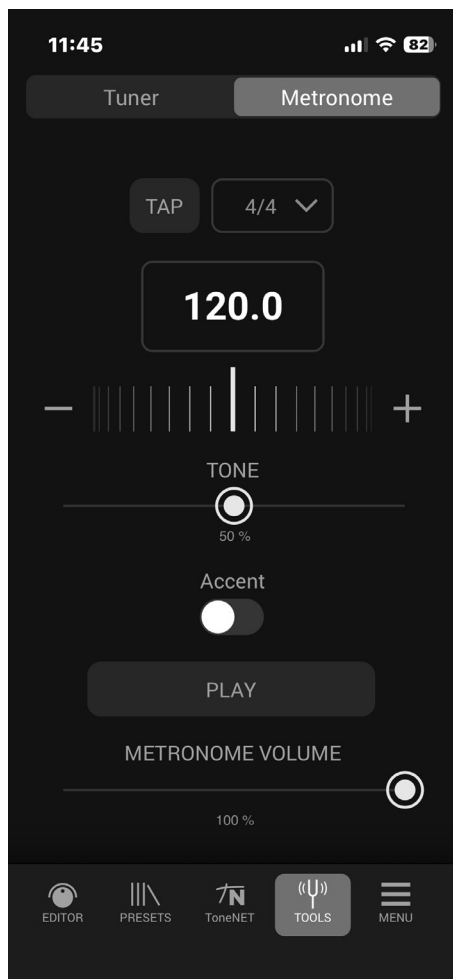
## Metronome

Within the Tools section, you'll also find a built-in metronome that plays a practice track when your smartphone connects to TONEX ONE+ via Bluetooth audio. This allows you to rehearse with precise timing directly through the device's headphone output.

Available controls include:

- **Time Signature**
- **BPM Selector** (with Tap Tempo)
- **Volume**
- **Accent**
- **Click Pitch**

Customize the metronome to suit your playing style and practice needs.



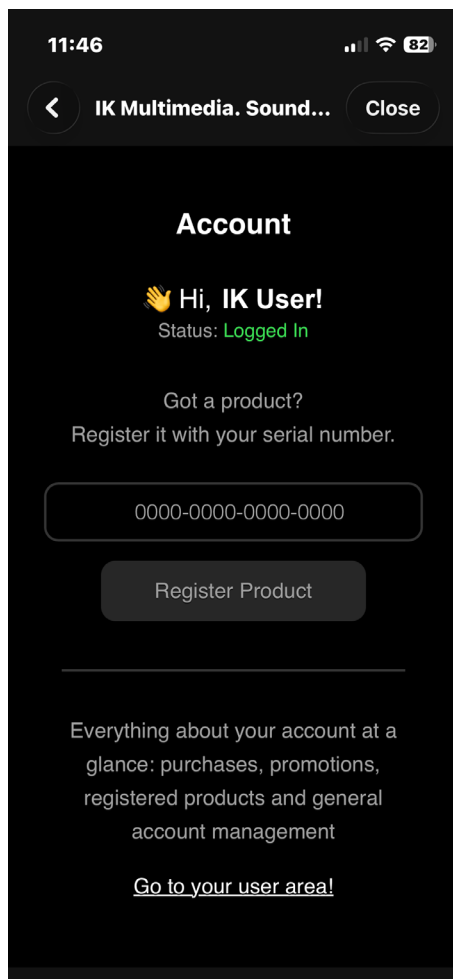
## Menu

The Menu tab shows various utilities:

- Account
- Manual
- Settings
- Info

## Account

Use the Account tab to register your TONEX ONE+ and log in to your account to unlock access to the ToneNET cloud, as well as all available collections and Tone Models when browsing in the TONEX Control app.



## Manual

Through the Manual tab, you can access the TONEX ONE+ manual.

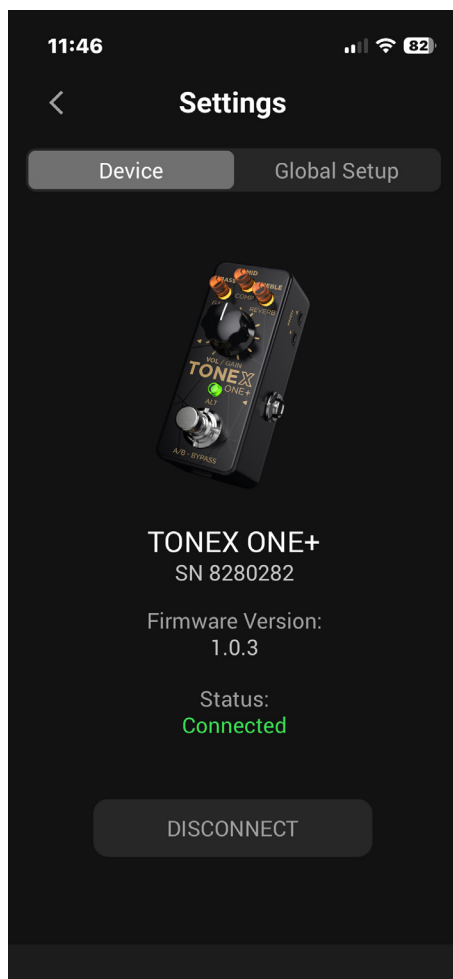
## Settings

The Settings menu is divided into two tabs:

- **Device**
- **Global Setup**

## Device

Displays the current connection status and allows you to disconnect the device.



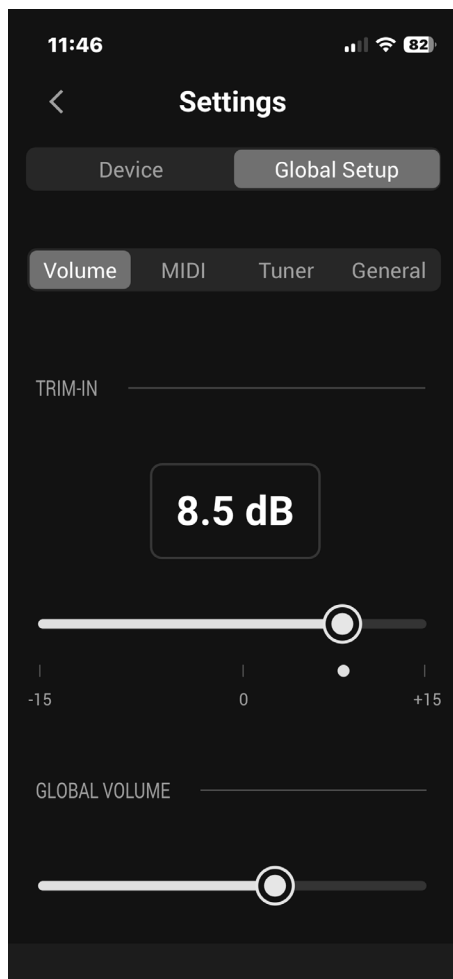
## Global Setup

The Settings menu is divided into four tabs:

- **Volume**
- **MIDI**
- **Tuner**
- **General**

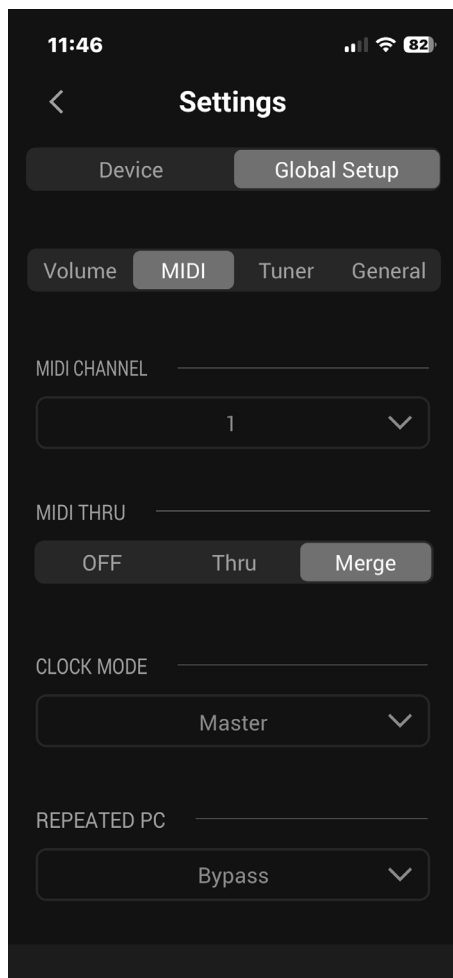
## Volume

- **Trim-in:** Sets the global input level of the instrument connected to TONEX ONE+.
- **Global Volume:** Adjust the global volume of TONEX ONE+.



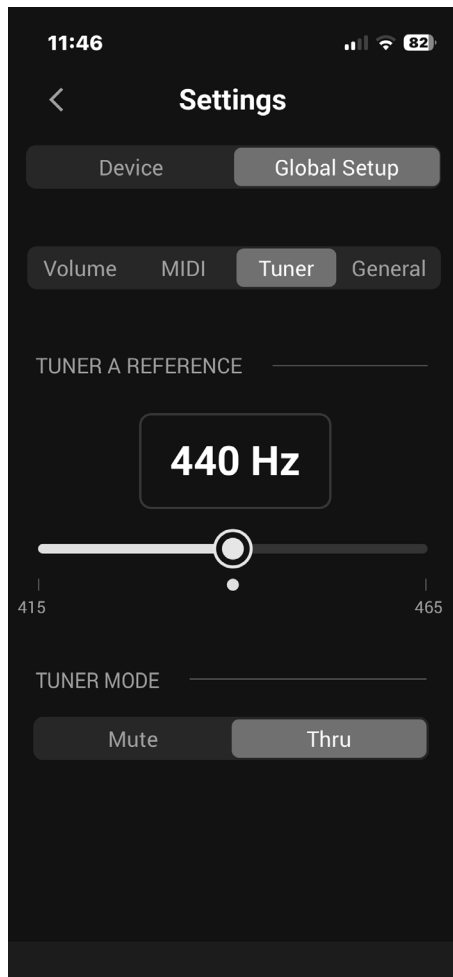
## MIDI

- **MIDI Channel:** From 1 to 16
- **Repeated Program Changes**
  - **Ignore:** If the preset corresponding to an incoming Program Change is already active, the message is ignored.
  - **Bypass:** If the preset corresponding to an incoming Program Change is already active, it is bypassed.
- **MIDI Thru**
  - **Off:** No MIDI signal is sent from TONEX ONE+.
  - **Thru:** Only incoming MIDI signals are sent from TONEX ONE+.
  - **Merge:** Both incoming and internally generated MIDI signals are sent from TONEX ONE+.
- **Clock Mode**
  - **Off:** TONEX ONE+ does not listen to or generate any MIDI Clock.
  - **Master:** TONEX ONE+ acts as the MIDI clock master.
  - **Slave MIDI:** TONEX ONE+ follows the MIDI clock received from the TRS MIDI input.
  - **Slave USB:** TONEX ONE+ follows the MIDI clock received from the USB port.



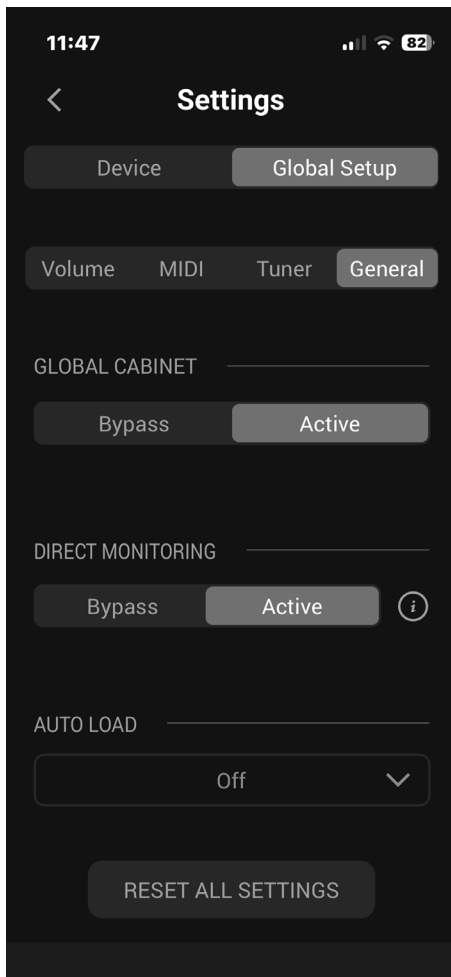
## Tuner

- **Tuner A Reference**
- **Tuner Mode**
  - **Thru:** Output remains active while tuning.
  - **Mute:** Output is muted while tuning.



## General

- **Global Cabinet**
  - **Active:** The cabinet is preset-dependent.
  - **Bypass:** The cabinet is bypassed globally for all presets.
- **Direct Monitoring:** When using TONEX ONE+ as a USB audio interface, you can monitor your signal either directly or through the return from your DAW. If you prefer to monitor from your DAW, set Direct Monitoring to Off to avoid double monitoring. To completely bypass TONEX ONE+ processing, switch to Stomp mode and bypass the pedal.
  - **On**
  - **Off**
- **Auto-Load**
  - **On:** Selecting a preset or Tone Model in the mobile library or ToneNET automatically loads it into the current slot or preset without confirmation.
  - **Off:** Selecting a preset or Tone Model in the mobile library or ToneNET prompts for confirmation to avoid unintended changes.
- **Reset Global:** Resets all global settings to factory defaults.

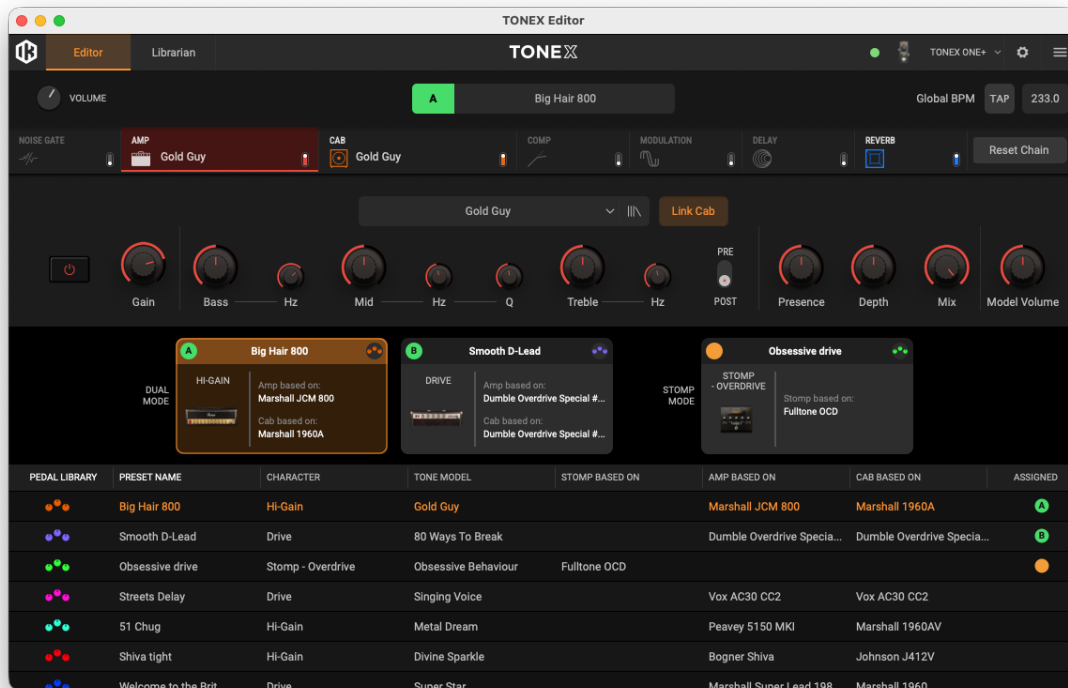


## Info

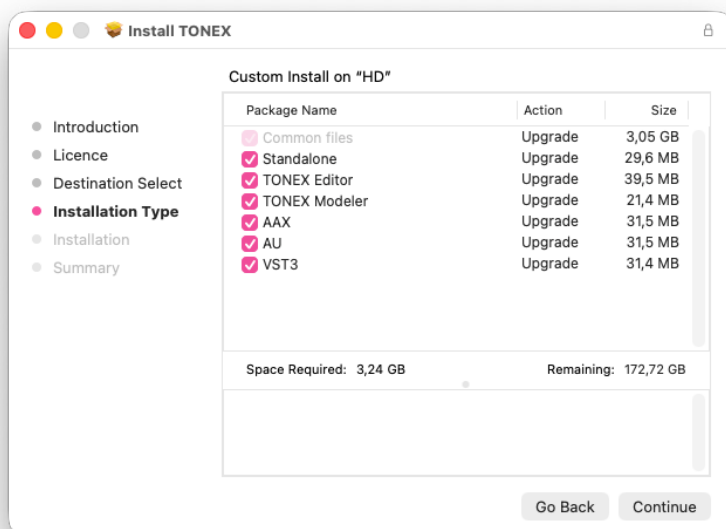
Use the info tab to reference some useful information like version and build number.

## TONEX Editor

Use the TONEX Editor application found in the same TONEX installer for Mac/PC to manage, edit and transfer PRESETS between your computer and the pedal.



Make sure to check the TONEX Editor when installing TONEX for Mac/PC.



To learn more about TONEX Editor, see the TONEX Editor User Manual.

## Features

- Bluetooth enables remote control via mobile devices and audio streaming for play-along.
- MIDI enables integration with other MIDI devices and access to all 20 presets in the preset library.
- AIMM™ DSP technology. Artificial Intelligence Machine Modeling proprietary technology capable of recreating the essence of amplifiers and distortion pedals, or everything together.
- 20 presets assignable to 3 playable active slots.
- 2 performance modes to use the pedal with two preset A/B or as a stomp on/off.
- Includes tuner.
- Option to bypass the cabinet.
- 3 micro knobs with customizable LED color.
- Ultra-low noise, 24-bit/192k Hz converters for class-leading sound quality.
- 5 Hz–24 kHz frequency response to capture the full scope of your guitar's sound.
- Up to 123 dB dynamic range provides whisper-quiet operation at any gain setting.
- Sculpt your presets with additional DSP processors such as noise gate, compressor, tone EQ reverb, modulation, and delay.
- Fast and straightforward interface with 1 main knob, 3 quick accessible micro knobs.
- The state-of-the-art DSP is enclosed in an anodized aluminum chassis designed and crafted in Italy.
- Suitable for both guitar and bass.
- Headphones output lets you practice in silence with your favorite tone.
- Size: 48 mm/1.89" (W) x 94 mm/3.7" (D) x 53 mm/2.09" (H)
- Weight: 160 grams.
- Model any rig you want using the companion software TONEX for Mac/PC It can capture the behavior of distortion/overdrive/fuzz/boost/EQ pedals, amps and cabs or everything together as a Tone Model to play in your TONEX ONE+.
- TONEX Plug-in virtual pedal and amp for AmpliTube included to play your Tone Models easily in AmpliTube.
- Swap the cab in the captured Tone Model rig with any third-party IR or use the advanced VIR technology module included which features a double customizable microphone placement.
- TONEX for Mac/PC SE included. It includes a player to create presets on your computer and an editor to create, organize and swap presets between TONEX ONE+ and the computer.
- AmpliTube 5 SE included
- Built-in USB port to use TONEX ONE+ as a 24-bit/44.1 kHz audio interface for recording or for preset management.
- Tone.net sharing platform for exploring and exchanging TONE MODELS and presets.
- Includes: noise-gate, compressor, 5 modulations, 2 delays and 6 reverbs.

## System requirements

To review system requirements reference our website.

### **TONEX Control App**

[www.ikmultimedia.com/products/tonexcontrol/index.php?p=specs](http://www.ikmultimedia.com/products/tonexcontrol/index.php?p=specs)

### **TONEX for Mac/PC:**

[www.ikmultimedia.com/products/tonex/#specs](http://www.ikmultimedia.com/products/tonex/#specs)

### **AmpliTube 5:**

[www.ikmultimedia.com/products/amplitude5/index.php?p=specs](http://www.ikmultimedia.com/products/amplitude5/index.php?p=specs)

## Support

For any questions you may have, 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.

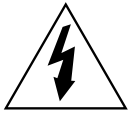
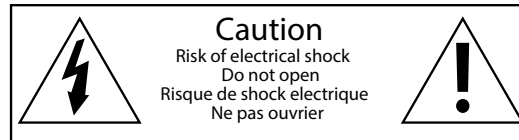
- Register hardware and software in one location
- Download, install, and authorize software
- Simplified sounds download with pause/resume
- Authorize and de-authorize computers
- Update software, sounds and firmware
- Easily manage your entire IK collection

Download IK Product manager at:

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

## 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.



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. Never use this apparatus in a humid environment.



Clean only with dry cloth.



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 anyway, 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.



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

## Warning

When connecting TONEX ONE+ to your instrument, or unplugging it, 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 ONE+.
- If using headphones, it's recommended to disconnect them before attaching or removing the device from your instrument.
- Connecting TONEX ONE+ 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 ONE+

Model Number: IK000222



### FCC Warnings

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

Note: 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 equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Frequency band: 2402 ÷ 2480 MHz

RF power:

- BR/EDR: 7.19 dBm EIRP
- BLE: 4.73 dBm EIRP

### IC WARNING

This radio transmitter has been approved by Innovation, Science and Economic Development Canada.

This Class B digital apparatus complies with Canadian standard ICES-003. This device complies with Innovation, Science and Economic Development Canada License exempt RSS standard(s). Operation is subject to the following two conditions.

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

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

### Innovation, sciences et développement économique Canada

Le présent appareil est conforme aux CNR 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, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

### AVIS RELATIFS À L'EXPOSITION RF

Cet équipement est conforme aux limites d'exposition au rayonnement ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.

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All specifications are subject to change without further notice.

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