AmpliTube

TONEX Pedal

USER MANUAL

IK MULTIMEDIA

Table of Contents

TONEX Ecosystem

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

- **TONEX Pedal**: a guitar and bass stomp box to play TONE MODELs live.
- TONEX ONE: a streamlined guitar and bass mini-stomp box to play TONE MODELs live.
- TONEX for Mac/PC: a standalone application to play, manage and model TONE MODELs. Includes **TONEX Librarian** to transfer PRESETs from your computer to TONEX Pedal and vice versa.
- TONEX Plug-in: to play any TONEX TONE MODEL inside your favorite DAW.
- AmpliTube 5 TONEX Amp and Stomp: to play any TONEX TONE MODEL inside AmpliTube 5.
- TONEX Capture: a hardware device specifically designed for modeling any amplifier using TONEX Modeler.
- TONEX App: to play TONE MODELs on your iOS device (both iPhone and iPad).
- TONEX on ToneNET: a free tone-sharing platform for TONE MODELs.

TONEX Pedal

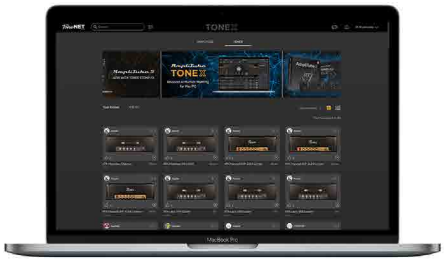
TONEX ONE

TONEX Capture

TONEX for Mac/PC

TONEX Librarian

TONEX for iPhone/iPad



TONEX in ToneNET

Downloading and installing the TONEX software

TONEX Pedal comes with TONEX MAX software that includes a librarian to organize and transfer Tone Models on the hardware device. You can also make firmware updates via the librarian. To download and access the additional software features and content, please follow the below steps.

1. Download the free IK Product Manager: https://www.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 Pedal
5. Download and Install TONEX software from the IK Product Manager
6. Connect TONEX Pedal to your computer and launch TONEX software
7. Select Librarian to transfer, organize and update the firmware

But what's a TONE MODEL?

A TONE MODEL is the capture of a real guitar or bass rig with all its nuances and non-linearities. It aims to provide the same sound characteristics inside a computer so you no longer need the real rig itself for performing and recording. You can collect thousands of amplifiers, stomps 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: 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 TONEX Pedal and TONEX for Mac/PC, plus any TONE MODEL made by other users available on our free platform ToneNET (Tone.NET).

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
- EQ
- Delay
- Reverb

A PRESET is the perfect foundation for any guitar tone.

Inside a PRESET, a TONE MODEL is divided into two parts: AMP and CAB.

Doing so lets us 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 part is tied to the AMP, and when the AMP part is swapped, the STOMP follows as well.

TONEX Pedal Overview

Machine Modeling amp and distortion pedal.

TONEX Pedal is the ultimate amp and distortion stompbox 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 pedal inside AmpliTube 5.

Connections

TONEX into a POWER AMPLIFIER with your own CABINET

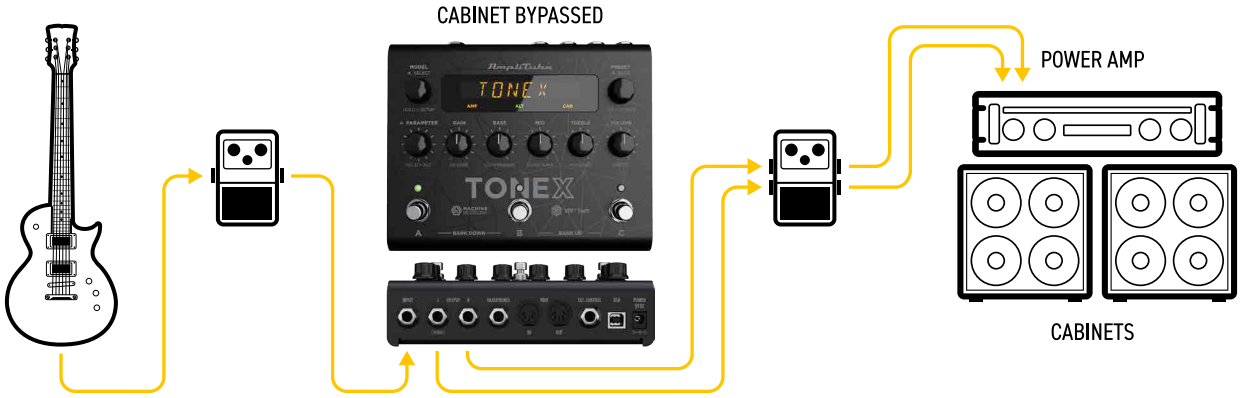
If you want to use TONEX Pedal with your own cabinet, you can plug it directly into a power amplifier.

This is perfect if you want the flexibility and tone quality of TONEX while using your own cabinet on stage.

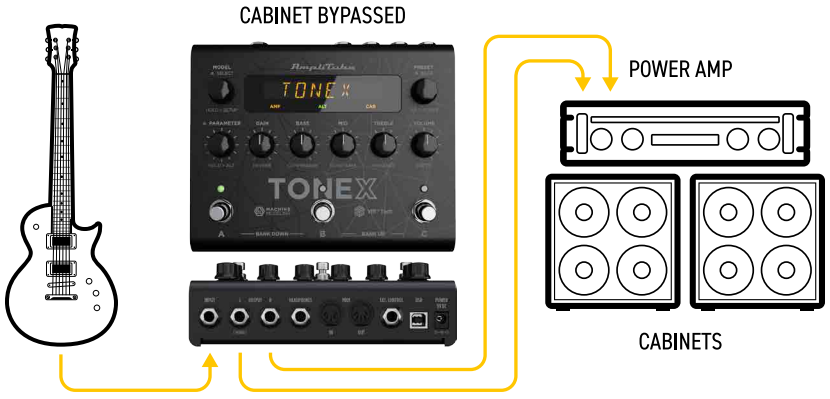
Remember to bypass the CAB section of your PRESETs to avoid unwanted double cab filtering.

PRO TIP: You can use your guitar or bass amplifier's power amp by plugging TONEX Pedal 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:



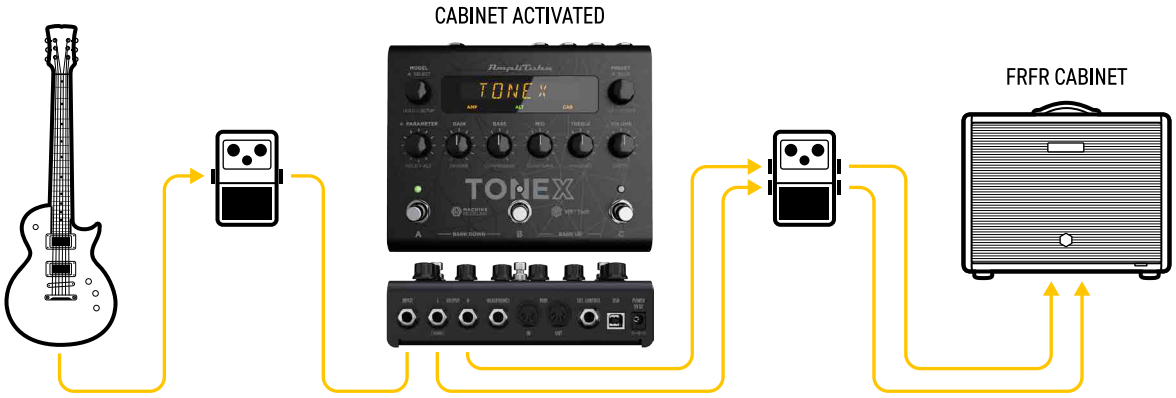
This is an example of using the pedal alone connected to a power amplifier feeding a guitar or bass cabinet:



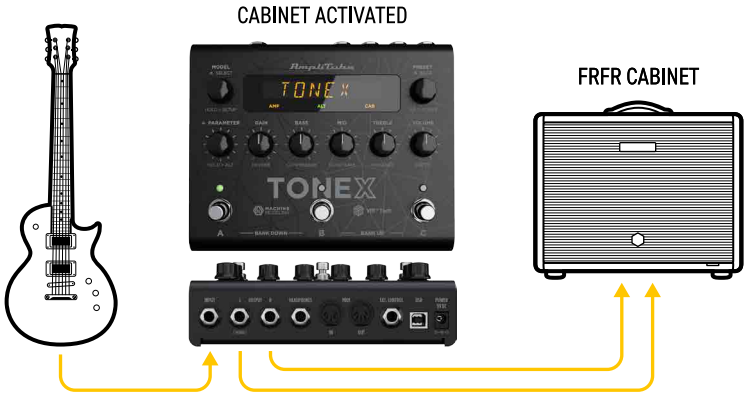
TONEX feeding an FRFR or powered cabinet

You can plug in directly to use TONEX with your FRFR Cabinet (or powered cabinet). Remember to activate the CAB section of your PRESETs.

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



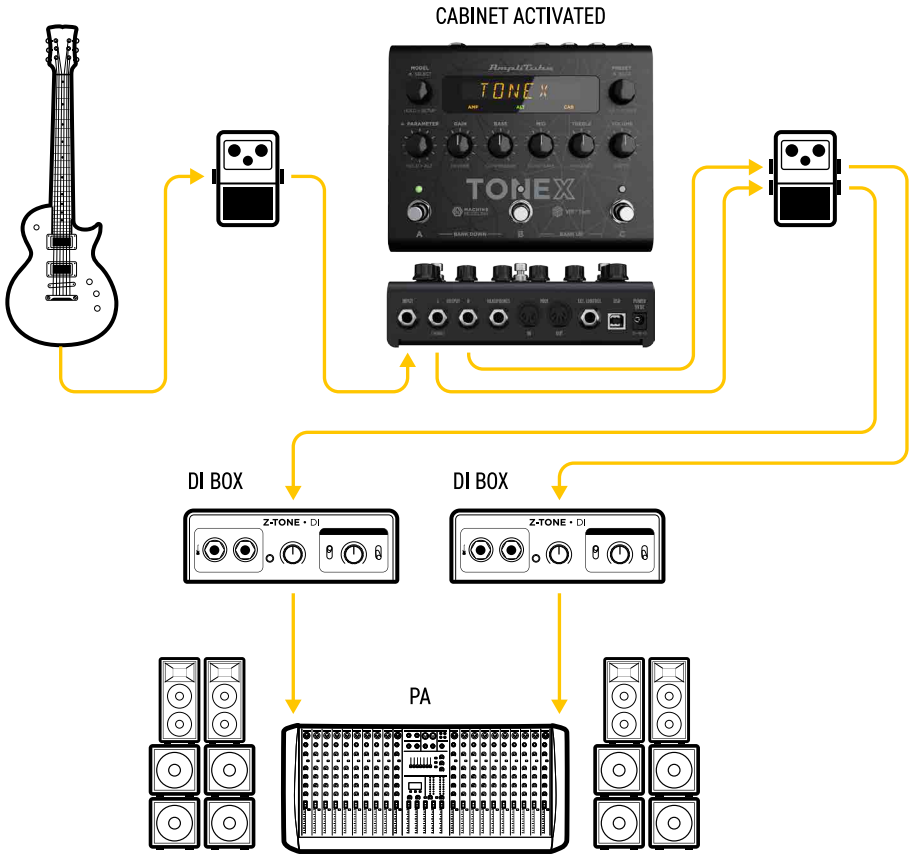
This is an example of using the pedal alone with an FRFR Cabinet:



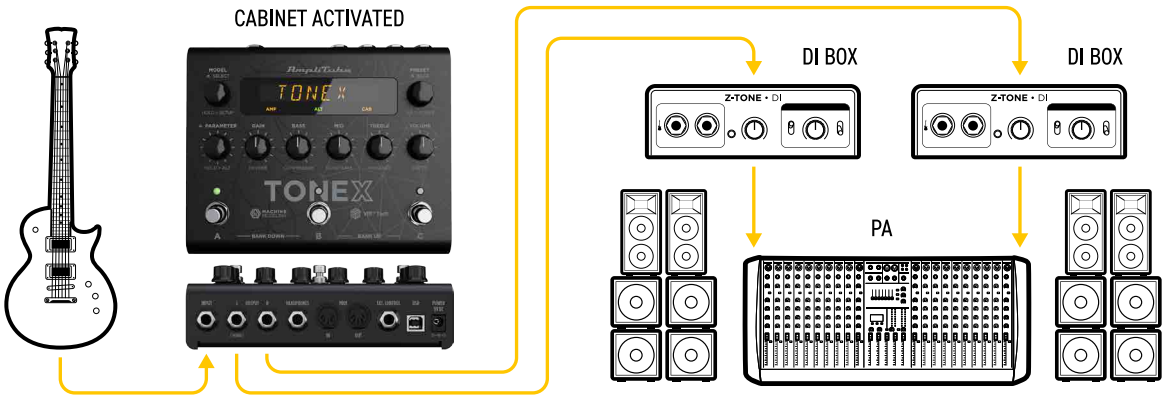
TONEX feeding a PA system

TONEX 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 of your PRESETs.

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



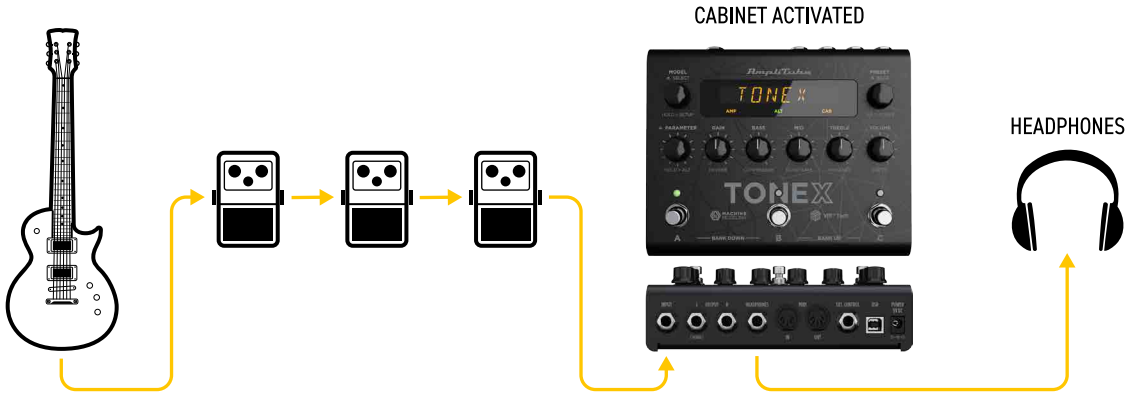
This is an example of using the pedal alone with a PA System in stereo:



TONEX for a silent playing

If you need to warm up before the concert or just practice without bothering anyone around, you can use TONEX with headphones. Remember to activate the CAB section of your PRESETs.

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

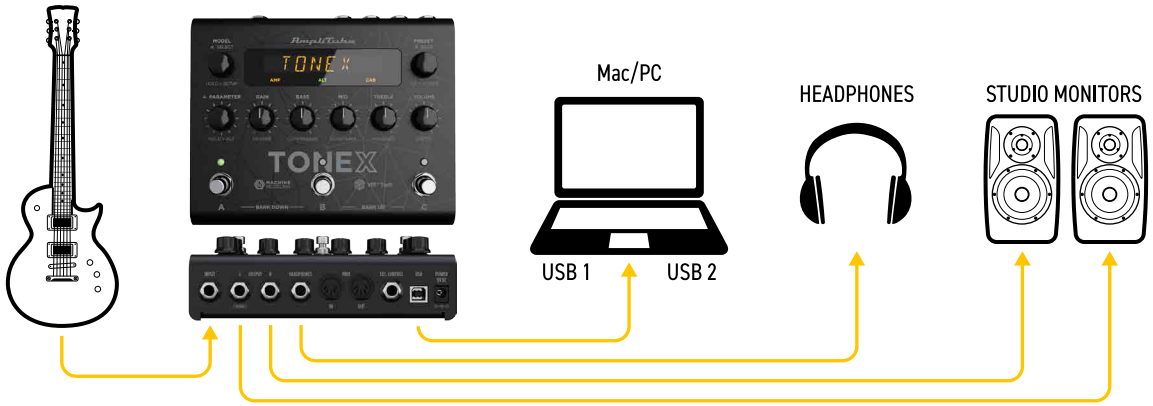


This is an example of using the pedal alone for silent playing:

TONEX for recording

You can also use TONEX Pedal to record your guitar parts by connecting it to your computer via USB as an audio interface. You can record both the DI signal and the processed signal. Remember to activate or bypass the CAB section of your PRESETs as desired. You can monitor using headphones or by connecting active monitors to the left and right outputs of TONEX.

This is an example of using the pedal for recording:



Features

- AIMM™ DSP technology. Artificial Intelligence Machine Modeling proprietary technology capable of recreating the essence of amplifiers and distortion pedals, or everything together.
- Up to 50 banks with 3 PRESET slots each for up to 150 customizable PRESETs.
- Up to 300 storable TONE MODELs.
- Full MIDI implementation for more complex setups.
- 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.
- Expression pedal input to control any parameter and create multi-parameter macros.
- Sculpt your PRESETs with additional DSP processors such as noise gate, compressor, tone EQ and reverb.
- Fast and straight forward interface with 5 quick, accessible knobs plus advanced parameters.
- Stage-ready, high-visibility display, shows the PRESET name, bank number, or parameter's name and value.
- The state-of-the-art DSP is enclosed in a sturdy, 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: 176 mm/6.92″ (W) x 142 mm/5.59″ (D) x 55 mm/2.16″ (H)
- Weight: 906 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 Pedal.
- 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 included. It works as a player, librarian and PRESET editor to create, organize and swap PRESETs between TONEX Pedal and the computer.
- Built-in USB port to use TONEX Pedal as an audio interface for recording or for PRESET management.
- AmpliTube 5 included
- TONEX for Mac/PC included.
- ToneNET sharing platform for exploring and exchanging TONE MODELs.
- Includes: noise gate, compressor, 5 modulations, 2 delays, and 6 reverbs.

Front panel

1. **MODEL encoder**
   Press and rotate to change the TONE MODEL on the current PRESET.
   Press to select inside menus.
   Hold to access GLOBAL and PRESET SETUPs.
2. **Main display**
   The main display is your reference when moving among TONE MODELs, PRESETs, editing parameters and browsing inside menus.
3. **Sub-display**
   The sub-display helps you recognize immediately the type of TONE MODEL you are running.
4. **PRESET encoder**
   Rotate to change and browse PRESETs.
   Hold to save the current PRESET.
   Press to go back while browsing menus.
5. **PARAMETER encoder**
   Press to access the advanced parameters menu.
   Rotate to edit the advanced parameters.
   Hold to access the alternative parameter on the 5 main knobs.
   Hold to go back to the main parameters.
6. **Parameters knobs**
   Rotate to edit the main parameters and the alternative parameters.

7. **Footswitches**
   Press the footswitches to activate or bypass a PRESET.
   Press A+B to move a bank down.
   Press B+C to move a bank up.
   Press A+C to display the current bank.
   Hold the currently selected preset to access Tune & Tap mode.

   Footswitches work at release by default., To make them work at press,set the SWITCH voice to PRESS in the GLOBAL SETUP/GENERAL.

Clip

If you are running a signal that is too hot and is clipping TONEX's output stage, the display shows CLIP to warn you.

Lower TONEX's volume to avoid clipping.

Sub-display labeling and color coding

The sub display shows different colors and labels to help you monitor the selected PRESET's status.

AMP label

The AMP label can have 4 different statuses:

1. **AMP** (off): the AMP is bypassed on the selected PRESET.
2. **AMP** (amber): the AMP is an AMP TONE MODEL.
3. **AMP** (green): the AMP is a STOMP + AMP TONE MODEL.
4. **AMP** (blue): the AMP is a STOMP TONE MODEL.

CAB label

The CAB label can have 5 different statuses:

1. **CAB** (off): the CAB is bypassed or empty on the selected PRESET.
2. **CAB** (amber): the CAB is a CAB TONE MODEL.
3. **CAB** (green): the CAB is a VIR cabinet.
4. **CAB** (blue): the CAB is a custom IR.
5. **CAB** (white): the CAB is globally bypassed.

ALT label

When the green **ALT** label is on, the main knobs edit the alternative parameters (REVERB, COMPRESSOR, NOISE-GATE, PRESENCE and DEPTH).

Lock mode

When performing, you may want to lock the entire front panel to avoid unwanted parameter changes but still use the footswitches to move among PRESETs and BANKs.

To do so, press the PRESET and PARAMETER encoders simultaneously. The display will show LOCKED, and from that moment, all the knobs and encoders will be disabled.

To exit the LOCK MODE to edit your PRESETs press again the PRESET and PARAMETER encoders simultaneously.

Back panel

1. **INPUT mono/unbalanced**
   Plug your instrument here.
2. **OUTPUT stereo/unbalanced**
   Use these outputs to connect the pedal to an amplifier, a PA system or your monitors if you use the TONEX Pedal as an audio interface.
   Use only the left output if you are running a mono setup.
3. **HEADPHONES**
   The headphones output is a copy of the main OUTPUT. Plug your headphones here for silent monitoring.
4. **MIDI**
   Use these MIDI ports to connect devices that send or receive MIDI signals and control TONEX Pedal via MIDI.
5. **EXT. CONTROL**
   Connect a single switch, double switch or expression pedal here to control the TONEX Pedal with an external control pedal.
6. **USB**
   Connect the TONEX Pedal to your computer using the USB port to manage and transfer PRESETs using the TONEX Librarian or to use TONEX Pedal as an audio interface.
7. **POWER**
   9V DC center negative 320 mA power socket.

Browse TONE MODELs

To browse TONE MODELs inside the selected PRESET, use the MODEL encoder:

1. Press the MODEL encoder to open the TONE MODEL menu.
2. Rotate the MODEL encoder to browse TONE MODELs (combinations of stomps/amps and cabs).

Edit the AMP MODEL

To edit the AMP MODEL of the selected TONE MODEL, use the MODEL encoder:

1. Press the MODEL encoder to open the TONE MODEL menu.
2. Press the MODEL encoder to enter the AMP/CAB selection.
3. Press the MODEL encoder to enter the AMP menu.
4. Rotate the MODEL encoder to browse AMP MODELs.

Each AMP MODEL is automatically loaded while browsing to have instant feedback on its tone.

AMP MODELS are named after their TONE MODEL's name.

Edit the CAB MODEL

To edit the CAB MODEL of the selected TONE MODEL, use the MODEL encoder:

1. Press the MODEL encoder to open the TONE MODEL menu.
2. Press the MODEL encoder to enter the AMP/CAB selection.
3. Rotate the MODEL encoder once to select the CAB menu.
4. Press the MODEL encoder to enter the CAB menu.
5. Rotate the MODEL encoder to choose the CAB category (MODEL, VIR or IR).
6. Press the MODEL encoder to enter the chosen category.
7. Rotate the MODEL encoder to browse CAB models.

Each CAB MODEL is automatically loaded while browsing to have instant feedback on its tone.

CAB MODELS are named after their TONE MODEL's name.

A CAB can be of three categories:

- CAB MODEL: captured using TONEX Modeler
- VIR: a Volumetric Impulse Response technology built in the TONEX Ecosystem that models a Cabinet and its mic placement.
- IR: This category lists all the imported Custom IRs. If no Custom IRs have been imported, this category is hidden.

You can use the companion app TONEX Librarian for further TONE MODEL information related to the real captured gear and preset management.

If you need to go back when browsing, you can always press the PRESET encoder.

TONE MODEL automatic memory management

TONEX Pedal can host up to 300 different TONE MODELs when creating a PRESET using the pedal.

When bringing new TONE MODELs inside the TONEX Pedal using the TONEX Librarian, if the memory is fully loaded, the oldest and/or unused TONE MODELs inside the machine are automatically removed to create space for the new ones.

Import Custom IR

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

To import a Custom IR into TONEX Pedal, create a preset with the Custom IR in it and import it into TONEX Pedal using the TONEX Librarian.

BANKs & PRESETs

PRESETs are the container of the complete signal chain that consists of:

- Noise Gate
- Compressor
- Modulation
- TONE MODEL
- EQ
- Delay
- Reverb

PRESETs are organized in BANKs, each with three slots (A, B and C).

TONEX Pedal has 50 BANKs for a total of 150 PRESET slots.

To move a BANK down, press the A + B footswitches simultaneously.

To move a BANK up, press the B + C footswitches simultaneously.

To access the current BANK, press the A + C footswitches simultaneously.

BANK renaming

You can rename BANKs to better organize your library.

To rename the selected BANK:

1. Press A + C to access the BANK navigation mode in the current BANK (the LEDs blink amber).
2. Hold the PRESET encoder to access the BANK renaming mode.
3. Rotate the PRESET encoder to change character, and rotate the MODEL encoder to move the cursor.
4. Press the PRESET encoder to confirm the BANK's name.
5. The BANK is correctly renamed.

PRESET renaming & saving

You can rename and change the PRESETs position to better organize your library by saving them.

To save the selected PRESET:

1. Hold the PRESET encoder to access the save mode.
2. The first letter of the name starts blinking, indicating the cursor position.
3. Rotate the PRESET encoder to change character, and rotate the MODEL encoder to move the cursor.
4. Press the PRESET encoder to confirm the name.
5. A location appears on screen indicating a number (BANK) and a letter (SLOT).
6. Rotate the PRESET encoder to choose a different location.
7. Press the PRESET encoder to confirm the location.
8. The display shows SAVED to confirm the saved PRESET.

Quick save

To quickly save a PRESET with the same name in the same location, press the MODEL and PRESET encoders simultaneously.

The display shows SAVED to confirm the saved PRESET.

Chromatic Tune & Tap Mode

Hold down the footswitch of the currently selected preset to activate the Tune & Tap mode.

The Tune & Tap mode lets you use the display for tuning your instrument and the C footswitch to adjust the BPM tempo with your feet as a tap tempo.

To close the Tune & Tap mode press the A or B footswitch.

Depending on the tuner's global setup preference, this mode can mute the output or let it pass through.

In the "." indicates a sharp (#) when tuning in half steps up/down. For example D. = D#.

To exit the tuner & tap tempo, press any footswitch.

If you mainly use the tuning functions on TONEX Pedal we suggest to run this mode with the tune mode set to mute (GLOBAL SETUP > TUNER > MODE > MUTE) so that while tuning the signal gets muted.

If you run an external tuner and want to use the tap tempo function of TONEX Pedal we suggest to run this mode with the tune mode set to thru or off (GLOBAL SETUP > TUNER > MODE > THRU/OFF) so that while tapping the signal does not get muted.

External control implementations for tuning and tap tempo

An external single switch control can be set to open the tuner or to tap the tempo without the need of accessing the Tune & Tap mode.

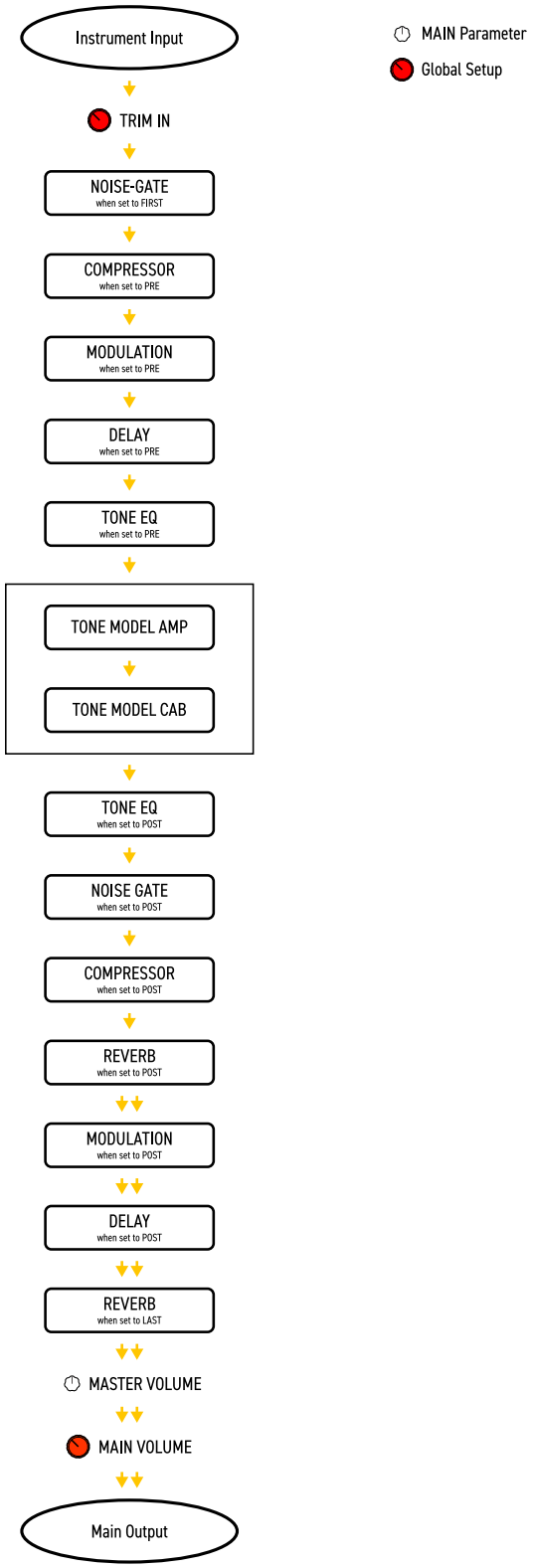
To set this up navigate to GLOBAL SETUP > EXT.CTRL > SINGLE SWITCH MODE > TAP.TEMPO/TUNER

An external double switch control pedal can be set to both open the tuner and tap the tempo without accessing the Tune & Tap mode.

To set this up navigate to GLOBAL SETUP > EXT.CTRL > DUAL SWITCH MODE > TUNE TAP

Signal Flow

The following flow chart shows the DSP audio signal flow.



Parameters

Main parameters

The main parameters are accessible using the main 5 knobs, these are:

- **GAIN** (0 – 10)
  Adjusts the TONE MODEL's input gain. Use this parameter to saturate more or less your TONE MODEL.
- **BASS** (0 – 10)
  Adjusts the level of low frequencies with a shelf EQ.
- **MID** (0 – 10)
  Adjusts the level of mid frequencies with a bell EQ.
- **TREBLE** (0 – 10)
  Adjusts the level of high frequencies with a shelf EQ.
- **VOLUME** (0 – 10)
  Adjusts the master volume of the pedal. This volume is persistent across all the PRESETs, if you want to adjust the volume of a single TONE MODEL use the TONE MODEL's volume (MODEL.VOL) inside the additional parameters or if the compressor is set to post, use the compressor's gain (CMP GAIN).

Alternative parameters

The alternative parameters are accessible using the main 5 knobs by holding down the PARAMETER encoder (the **ALT** green label appears on screen), these are:

- **REVERB** *MIX* (0% – 100%)
  Adjusts the reverb's mix.
- **COMPRESSOR** *THRESHLD* (0 dB – -40 dB)
  Adjusts the compressor's threshold.
- **NOISE-GATE** *THRESHLD* (-100 dB – 0 dB)
  Adjust the noise-gate threshold.
- **PRESENCE** (0 – 10)
  Adjusts the high-frequency content.
- **DEPTH** (0 – 10)
  Adjusts the low-frequency content.

Additional parameters

Additional parameters are located under the 'Parameter' encoder menu.

When you press the 'Parameter' encoder, the first layer displayed shows the available categories: MODEL, GATE, COMP, EQ, VIR (if active), MOD, DELAY, REVERB

By then selecting one of the categories and then pressing the 'Parameter' encoder again, you will be able to access its parameters.

To go back to the previous level, just press the 'Preset' encoder (back).

MODEL

- **MODEL.VOL** (0 – 10)
  TONE MODEL's volume
  Adjusts the volume of the selected AMP TONE MODEL.
- **MODEL.MIX** (0% – 100%)
  TONE MODEL's mix
  Adjusts the TONE MODEL's mix. At 0% the TONE MODEL is fully bypassed (noise-gate, tone eq, compressor and reverb are still effective) at 100% the TONE MODEL is fully effective.

GATE

- **POWER** (ON – OFF)
  Noise-gate on/off
  Activates or deactivates the noise-gate.
- **RELEASE** (5 ms – 500 ms)
  Noise-gate's release.
  Adjusts the noise-gate release.
- **DEPTH** (-20 dB – -100 dB)
  Noise-gate's depth
  Adjusts the noise-gate's reduction depth.
- **POSITION** (FIRST – POST AMP)
  Noise-gate's position.
  Selects if the detection circuit of the noise-gate should work first in chain or post TONE MODEL.

COMP

- **POWER** (ON – OFF)
  Compressor on/off
  Activates or deactivates the compressor.
  GAIN (-30 dB – +10 dB)
  Compressor's make-up gain
  Adjusts the compressor's make-up gain.
- **ATTACK** (1 ms – 51 ms)
  Compressor's attack
  Adjusts the compressor's attack.
- **POSITION** (PRE AMP – POST AMP)
  Compressor's position.
  Adjusts the compressor's position pre or post TONE MODEL.

EQ

- **BASS HZ** (75 Hz – 600 Hz)
  EQ low-band frequency.
  Adjust the frequency of the EQ low-band shelf.
- **MID Q** (0.2 – 3.0)
  EQ mid-band Q factor.
  Adjusts the bell size of the EQ mid-band bell.

- **MID HZ** (150 Hz – 5000 Hz)
  EQ mid-band frequency.
  Adjusts the frequency of the EQ mid-band bell.
- **TRBL HZ** (1000 Hz – 4000 Hz)
  EQ high-band frequency.
  Adjust the frequency of the EQ high-band shelf.
- **POSITION** (PRE AMP – POST AMP)
  Tone EQ's position.
  Adjusts the tone EQ's position pre or post TONE MODEL.

VIR (when the TONE MODEL'S cab is a VIR cabinet)

- **RESO** *(0.0 – 10.0)*
  Adjusts the VIR cabinet's resonance.
- **MIC 1** *(COND – DYN – RBN)*
  Sets the mic 1's type (condenser, dynamic or ribbon).
- **MIC 1 X** *(0.0 – 10.0)*
  Sets the mic 1 horizontal position.
- **MIC 1 Z** *(0.0 – 10.0)*
  Sets the mic 1 distance.
- **MIC 2** *(COND – DYN – RBN)*
  Sets the mic 2's type (condenser, dynamic or ribbon).
- **MIC 2 X** *(0.0 – 10.0)*
  Sets the mic 2 horizontal position.
- **MIC 2 Z** *(0.0 – 10.0)*
  Sets the mic 2 distance.
- **BLEND** *(-100% – +100%)*
  Sets the blend between mic 1 (-100%) and mic 2 (+100%).

MOD

- **POWER** (ON – OFF)
- Modulation on/off
  Activates or deactivates the modulation module.
- **TYPE** (CHORUS – TREMOLO – PHASER – FLANGER – ROTARY)
  Modulation's type.
  Selects the type of modulation.
- **POSITION** (PRE AMP – POST AMP)
  Modulation's position.
  Adjusts the modulation's position pre or post TONE MODEL.
- **CHORUS** (MOD/TYPE = CHORUS)
  - **SYNC** (ON – OFF)
    Activates the chorus' sync to BPM.
  - **RATE** (0.10 Hz – 10.0 Hz)
    Sets the chorus' rate.

- **DEPTH** (0% – 100%)
  Sets the chorus' depth.
  LEVEL (0.0 – 10.0)
  Sets the chorus' level.

- **TREMOLO** (MOD/TYPE = TREMOLO)
  - **SYNC** (ON – OFF)
    Activates the tremolo's sync to BPM.
  - **RATE** (0.10 Hz – 10.0 Hz)
    Sets the tremolo's rate.
  - **SHAPE** (0.0 – 10.0)
    Sets the tremolo's shape, when set to 0 is a triangle shape, when set to 10 is a square shape.
  - **SPREAD** (0% – 100%)
    Sets the tremolo's stereo spread.
  - **LEVEL** (0.0 – 10.0)
    Sets the tremolo's level.
- **PHASER** (MOD/TYPE = PHASER)
  - **SYNC** (ON – OFF)
    Activates the phaser's sync to BPM.
  - **RATE** (0.10 Hz – 10.0 Hz)
    Sets the phaser's rate.
  - **DEPTH** (0% – 100%)
    Sets the phaser's depth.
  - **LEVEL** (0.0 – 10.0)
    Sets the phaser's level.
- **FLANGER** (MOD/TYPE = FLANGER)
  - **SYNC** (ON – OFF)
    Activates the flanger's sync to BPM.
  - **RATE** (0.10 Hz – 10.0 Hz)
    Sets the flanger's rate.
  - **DEPTH** (0% – 100%)
    Sets the flanger's depth.
  - **FEEDBACK** (0% – 100%)
    Sets the flanger's feedback.
  - **LEVEL** (0.0 – 10.0)
    Sets the flanger's level.
- **ROTARY** (MOD/TYPE = ROTARY)
  - **SYNC** (ON – OFF)
    Activates the rotary's sync to BPM.
  - **SPEED** (0 RPM – 400 RPM)
    Sets the rotary's speed.
  - **RADIUS** (0 mm – 300 mm)
    Sets the rotary's radius size.
  - **SPREAD** (0% – 100%)
    Sets the rotary's microphone distance affecting the stereo spread.

- **LEVEL** (0.0 – 10.0)
  Sets the rotary's level.

DELAY

- **POWER** (ON – OFF)
  Delay on/off
  Activates or deactivates the delay module.
- **TYPE** (DIGITAL – TAPE)
  Delay's type.
  Selects the type of delay.
- **POSITION** (PRE AMP – POST AMP)
  Delay's position.
  Adjusts the delay's position pre or post TONE MODEL.
- **DIGITAL** (DELAY/TYPE = DIGITAL)
  - **SYNC** (ON – OFF)
    Activates the digital delay's sync to BPM.
  - **TIME** available when sync is off (0 ms – 1000 ms)
    Sets the digital delay time.
  - **FEEDBACK** (0% – 100%)
    Sets the digital delay feedback.
  - **MODE** (NORMAL – PING.PONG)
    Sets the digital delay mode.
  - **MIX** (0% – 100%
    Sets the digital delay mix.
- **TAPE** (DELAY/TYPE = TAPE)
  - **SYNC** (ON – OFF)
    Activates the tape delay's sync to BPM.
  - **TIME** (0 ms – 1000 ms)
    Sets the tape delay time.
  - **FEEDBACK** (0% – 100%)
    Sets the tape delay feedback.
  - **MODE** (NORMAL – PING.PONG)
    Sets the tape delay mode.
  - **MIX** (0% – 100%
    Sets the tape delay mix.

REVERB

- **POWER** (ON – OFF)
  Reverb on/off
  Activates or deactivates the reverb module.
- **TYPE** (SPRING 1 – SPRING 2 – SPRING 3 – SPRING 4 – ROOM – PLATE)
  Selects the type of reverb.

- **POSITION** (POST AMP– LAST)
  Reverb's position.
  Adjusts the reverb's position after the TONE MODEL or as the last module in chain.
- **SPRING 1** (REVERB/TYPE = SPRING 1)
  - **TIME** (0.0 – 10.0)
    Sets the spring 1 reverb's time.
  - **PRE.DELAY** (0 ms – 500 ms)
    Sets the spring 1 reverb's pre-delay time.
  - **COLOR** (-10.0 – +10.0)
    Sets the spring 1 reverb's tone (-10 is darker, + 10 is brighter).
  - **MIX** (0% – 100%)
    Sets the spring 1 reverb's mix (copy of the alternative parameter REVERB mix).
- **SPRING 2** (REVERB/TYPE = SPRING 2)
  - **TIME** (0.0 – 10.0)
    Sets the spring 2 reverb's time.
  - **PRE.DELAY** (0 ms – 500 ms)
    Sets the spring 2 reverb's pre-delay time.
  - **COLOR** (-10.0 – +10.0)
    Sets the spring 2 reverb's tone (-10 is darker, + 10 is brighter).
  - **MIX** (0% – 100%)
    Sets the spring 2 reverb's mix (copy of the alternative parameter REVERB mix).
- **SPRING 3** (REVERB/TYPE = SPRING 3)
  - **TIME** (0.0 – 10.0)
    Sets the spring 3 reverb's time.
  - **PRE.DELAY** (0 ms – 500 ms)
    Sets the spring 3 reverb's pre-delay time.
  - **COLOR** (-10.0 – +10.0)
    Sets the spring 3 reverb's tone (-10 is darker, + 10 is brighter).
  - **MIX** (0% – 100%)
    Sets the spring 3 reverb's mix (copy of the alternative parameter REVERB mix).
- **SPRING 4** (REVERB/TYPE = SPRING 4)
  - **TIME** (0.0 – 10.0)
    Sets the spring 4 reverb's time.
  - **PRE.DELAY** (0 ms – 500 ms)
    Sets the spring 4 reverb's pre-delay time.
  - **COLOR** (-10.0 – +10.0)
    Sets the spring 4 reverb's tone (-10 is darker, + 10 is brighter).
  - **MIX** (0% – 100%)
    Sets the spring 4 reverb's mix (copy of the alternative parameter REVERB mix).
- **ROOM** (REVERB/TYPE = ROOM)
  - **TIME** (0.0 – 10.0)
    Sets the room reverb's time.
  - **PRE.DELAY** (0 ms – 500 ms)
    Sets the room reverb's pre-delay time.

- **COLOR** (-10.0 – +10.0)
  Sets the room reverb's tone (-10 is darker, + 10 is brighter).
- **MIX** (0% – 100%)
  Sets the room reverb's mix (copy of the alternative parameter REVERB mix).

• **PLATE** (REVERB/TYPE = PLATE)

- **TIME** (0.0 – 10.0
  Sets the plate reverb's time.
- **PRE.DELAY** (0 ms – 500 ms)
  Sets the plate reverb's pre-delay time.
- COLOR (-10.0 – +10.0)
  Sets the plate reverb's tone (-10 is darker, + 10 is brighter).
- **MIX** (0% – 100%)
  Sets the plate reverb's mix (copy of the alternative parameter REVERB mix).

Setup

BPM setup

- **BPM** – sets the BPM tempo from 40.0 BPM to 240.0 BPM to sync time effects modules with the sync parameter set to on. This parameter is also set by the tap tempo function.
- **MODE**
  - **GLOBAL**: the BPM affects all presets.
  - **PRESET**: the BPM affects only the current preset. Each presets stores its own BPM. The trim input does not affect the bypassed level. It is post A/D.

Preset setup

1. **EXT. CTRL** – *External control on/off*: enables/disables the external pedal.
2. **EXT.LEARN** – *External control learn*: sets/removes a parameter's assignment to the control pedal.
3. **AMP** – *Amp active/bypass*: enables/bypasses the TONE MODEL's amp in the selected PRESET.
4. **CAB** – *Cab active/bypass*: enables/bypasses the TONE MODEL's cab in the selected PRESET.

Global setup

VOLUME

- **TRIM IN** – *Input Trim Level (-15 dB – +15 dB)*: adjusts the global input gain of the TONEX pedal. Use this to optimize the input gain of the pedal to your instrument.
  By default the TRIM IN is set to +8.5 dB. This provides the ideal gain for a typical single coil passive pickups. If your guitar has hotter pickups like hum-buckers or active pickups, consider lowering down the TRIM IN level near 0dB. To help you set the TRIM IN you can refer to the indication that appears on its right (LOW, OK, HI). While strumming hard, raise the TRIM IN parameter until the peaks shows "HI", then turn it down a bit to show "OK" on loud strums.
- **MAIN VOL** – *Main volume (-40 dB – +3 dB)*: adjusts TONEX's analog master volume, both dry and wet (active and bypassed volume).
- **INTERFACE VOL** – *Interface volume (-40 dB – +3 dB)*: adjusts TONEX's master volume in interface mode.

EXT. CTRL

TYPE – sets the type of external control.

- TRS EXP: TRS expression pedal.
- RTS EXP: RTS expression pedal.
- N.O. SWITCH: Normally Open single switch pedal.
- N.C. SWITCH: Normally Closed single switch pedal.
- N.O. DUAL SWITCH: Normally Open double switch pedal.
- N.C. DUAL SWITCH: Normally Closed double switch pedal.

- **SINGLE SWITCH MODE**
  - MACRO: sets the single switch use as an expression pedal to control macro changes instantly.
  - TAP.TEMPO: sets the single switch use as a tap tempo pedal to change the BPM tempo using your feet.
  - TUNER: sets the single switch to access the tuner.
- **DUAL SWITCH MODE** – Dual switch operation: sets the external control pedal functionality.
  - PRESET: use the double switch pedal to move PRESET up or PRESET down.
  - BANK: use the double switch pedal to move bank up or bank down.
  - TUNE TAP: use the first switch to access the tuner, use the second switch as tap tempo.
- **EXP.CALIB** – Expression pedal calibration: starts the process of calibrating an expression pedal.

MIDI

- **MIDI CH** – *MIDI channel selection*: sets the MIDI channel on which the pedal operates.
  - 1 - 16
- **MIDI.THRU** – *MIDI through setup*: sets the preferred MIDI functionality for the MIDI through.
  - OFF: no MIDI signals are sent to TONEX's MIDI outputs.
  - THRU: MIDI signals arriving to the TONEX's MIDI inputs are sent to TONEX's MIDI outputs (both USB and MIDI connector).
  - MERGE: MIDI arriving to the TONEX MIDI inputs, and the MIDI signals generated by TONEX itself are merged and sent to the TONEX's MIDI outputs (both USB and MIDI connector).
- **CLOCK** – MIDI Clock mode
  - OFF: the device does not listen to any incoming MIDI clock and it does not generate any MIDI clock.
  - MASTER: the BPM is set internally and used to set any MIDI clock of any connected MIDI device via USB MIDI or 5-pin MIDI. Any external MIDI clock message is ignored.
  - SLAVE DIN: the BPM is set by an external MIDI clock received via USB. Any internal MIDI clock message is ignored. The tap tempo LED blinks in time with the incoming tempo.
  - SLAVE USB: the BPM is set by an external MIDI clock received via 5-pin connection. Any internal MIDI clock message is ignored. The tap tempo LED blinks in time with the incoming tempo.

When the device is set to SLAVE any BPM editing (tap tempo or via encoder) automatically changes its MIDI clock to OFF.

TUNER

- **MODE**
  - MUTE: the output gets muted when the tuner is active.
  - THRU: the audio passes through when the tuner is active.
  - OFF: the tuner is disabled and not accessible.
- **A REF** – A frequency tuning reference (415 Hz – 465 Hz): sets the tuning reference.

GENERAL

- **NAMING** – Naming format: sets the display's visualization of PRESET names.
  - NAME: name only.

- PC+NAME: program change number and name.
- BNK+NAME: bank number and name.

- **SWITCH** – *Footswitch behavior*: dictates if footswitches work at release or press.
  - RELEASE: Footswitches work at release, press A+B to move a bank down, press B+C to move a bank up.
  - PRESS: Footswitches work at press, bank up and down can still be performed with an external double switch pedal.
- **CAB** – *Global cabinet bypass*: enables/disables the cabinet globally on all PRESETs.
  - ACTIVE: the cab follows the PRESET settings.
  - BYPASS: the cab is bypassed on all PRESETs
- **USERMODE**: sets the user mode for the pedal.
  - EASY: hides certain parameter for easy browsing.
  - ADVANCED: shows all parameters for complete control.

BYP.MODE: enables/disable the option to bypass a preset (helpful when using TONEX exclusively with as an amp to avoid bypassing it by accident).

OPERATION MODE – Operation mode: sets TONEX's operative mode.

- LIVE: the most common way to use the pedal in live situations.
- INTERFACE: when using the pedal in interface mode the audio is recorded and monitored using the computer.

USB OUT – USB output routing: sets the USB OUT routing.

- STEREO: the stereo processed signal is routed to USB OUT 1 and 2.
- DUAL: the left processed signal is routed to USB OUT 1, the DI dry signal is routed to USB OUT 2.

INFO – Firmware information: displays the installed firmware version.

FACTORY – Factory reset: performs a factory reset to all the global settings. PRESETs are left untouched.

External control setup

Creating macros: expression pedal & single switch

An expression pedal and a single switch pedal can be assigned to a parameter or to various parameters to create macros.

A macro is an ensemble of parameters, which can be modulated simultaneously via the external control.

To setup a macro on the selected PRESET using an expression pedal or a single switch pedal, do as follows:

1. Hook it up to the EXT. CONTROL in the rear panel.
2. Hold the MODEL encoder and choose GLOBAL SETUP.
3. 3. Inside GLOBAL SETUP select to EXT.CTRL
4. Select EXT. CTRL and then select TYPE. Choose one of the following:
    a. TRS EXP: if you are using a TRS type expression pedal.
    b. RTS EXP: if you are using a RTS type expression pedal.
    c. N.O. SWITCH: if you are using a normally open single switch pedal.
    d. N.C. SWITCH: if you are using a normally close single switch pedal.
4. Press the PRESET encoder to go back to the setup selection and choose PRESET SETUP.
5. In the PRESET SETUP menu, select ON from the EXT. CTRL option.
6. Come back to the PRESET SETUP menu, select EXT. LEARN and choose LEARN.
7. While LEARN A is being displayed (A LED starts blinking), position the parameters of the PRESET as you wish they would be when the external control is in position A, then press the B footswitch when the A setup is done.
8. While LEARN B is being displayed (B LED starts blinking), position the parameters of the PRESET as you wish they would be when the external control is in position B, then press the C footswitch when the B setup is done to confirm the A and B setup. If you want to go back to editing the A setup press the A footswitch.
9. Once the C footswitch pressed, the pedal returns to its default behavior and the macro is assigned to the external control.

The only parameter that cannot be assigned to a macro is the master volume in the main parameters, use the TONE MODEL volume parameter (MODEL.VOL) or (when the compressor is set to post) the compressor's make up gain (CMP GAIN) in the additional parameters to edit the overall volume of the selected PRESET.

To remove an assigned macro do as follow:

1. Hold the MODEL encoder and choose PRESET SETUP.
2. Select EXT.LEARN then choose CLEAR.

N.B.
In a single switch pedal, position A refers to the off status.

In an expression pedal, position A refers to the heel status.

In a single switch pedal, position B refers to the on status.

In an expression pedal, position B refers to the tip status.

The only difference between a single switch or an expression pedal is that with the first one changing from position A to position B is an instant transition (pressing the footswitch), while the second one is a smooth transition (moving the expression pedal).

Expression pedal calibration

If you feel that your expression pedal doesn't work as expected, you may need to calibrate it to get its full functionality.

To calibrate an expression pedal do as follows:

1. Hook it up to the EXT. CONTROL in the rear panel.
2. Hold the MODEL encoder and choose GLOBAL SETUP.
3. Inside GLOBAL SETUP select to EXT.CTRL.
4. Inside EXT.CTRL select EXP.CALIB.
5. While HEEL is being displayed move your expression pedal to its heel position then press the MODEL encoder to confirm.
6. While TIP is being displayed move your expression pedal to its tip position then press the MODEL encoder to confirm.
7. When the display shows DONE, the calibration is set.

Double switch

Connect a Double Switch pedal to the EXT. CONTROL to browse among PRESETs or BANKs more easily.

To setup a Double Switch pedal do as follows:

1. Hook it up to the EXT. CONTROL in the rear panel.
2. Hold the MODEL encoder and choose GLOBAL SETUP.
3. 3.Inside GLOBAL SETUP select to EXT.CTRL.
4. 4.Inside EXT.CTRL select TYPE.
5. Select EXT. CTRL and choose N.O. DUAL SWITCH, if your double switch pedal is normally open or N.C. DUAL SWITCH, if your double switch pedal is normally closed.
6. In the GLOBAL SETUP browse to DUAL SWITCH MODE and choose BANK, if you want to use your double switch pedal to move among BANKs or PRESET, if you want it to move among PRESETs.

Interface mode

Using TONEX Pedal's INTERFACE MODE you can hook it up to your computer and a monitoring system to jam, record and playback music directly from TONEX Pedal.

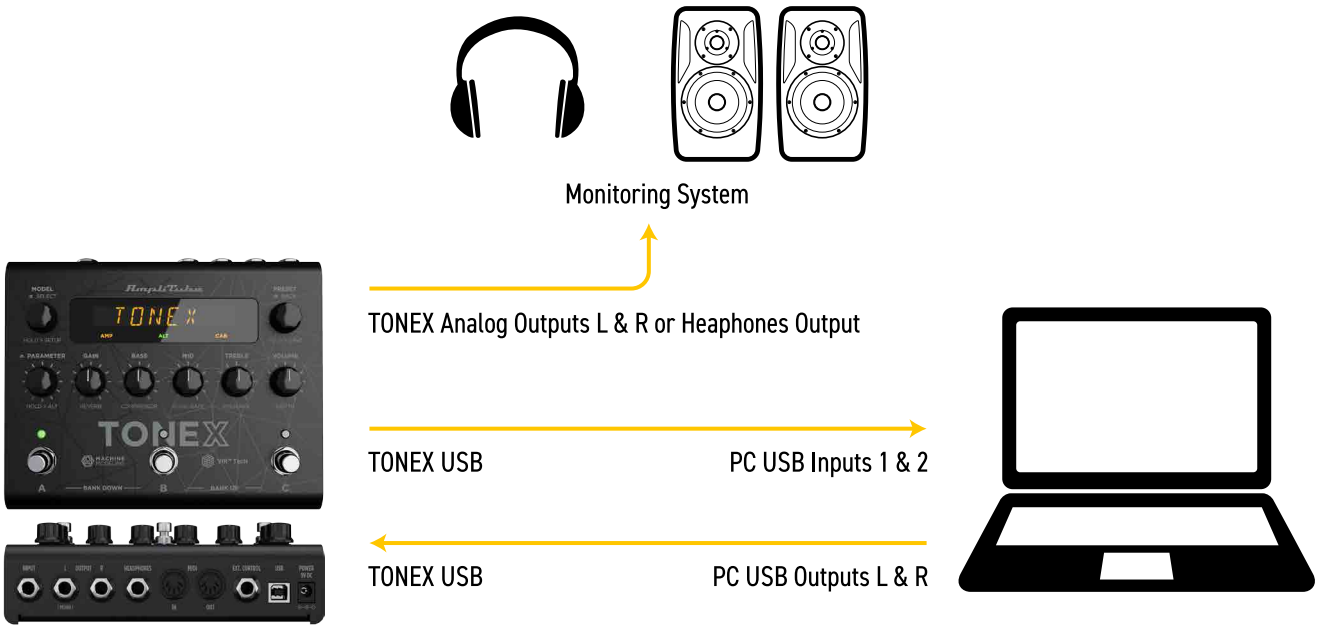
To use TONEX as an audio interface on Windows devices, Windows® 10 or later is required.

To set the pedal in INTERFACE MODE, go to GLOBAL SETUP –> OPERATION MODE –> INTERFACE

When the INTERFACE OPERATION MODE is engaged, the direct monitoring gets automatically muted to avoid doubling monitoring effect.

Use your computer to monitor your sound.

Connect TONEX to your computer using the provided USB cable and use the main outputs or the headphone outputs to monitor playback.



AmpliTube (or your DAW) sees the TONEX Pedal as a regular interface, and you can playback songs from the computer and jam along using AmpliTube (or the DAW) to monitor your session.

To tweak TONEX Pedal's volume when used as audio interface browse to the GLOBAL SETUP and edit the INTERFACE VOL parameter.

TONEX Pedal is not meant to provide the full Modeler experience to capture rigs. Use a dedicated and fully featured audio interface to create your TONE MODELs.

ASIO Drivers

To use TONEX Pedal as an audio interface on Windows systems please install the ASIO drivers that you can find in your User Area on ikmultimedia.com.

MIDI specifications

PRESETs are arranged in a grid of 50 numbered banks (00-49) with 3 PRESETs each (A, B and C) for a total of 150 PRESETs.

PRESET 00A = MIDI Program #000

PRESET 00B = MIDI Program #001

PRESET 00C = MIDI Program #002

PRESET 01A = MIDI Program #003

PRESET 01B = MIDI Program #004

PRESET 01C = MIDI Program #005

...up to MIDI Program #127

MIDI PATCH BANK 0 (CC#000 Value = 0) -> PRESETS 00A - 42B

MIDI PATCH BANK 1 ((CC#001 Value = 1) -> PRESETS 42C - 49C

TONEX always powers up in MIDI Patch Bank 0, therefore if you stay withing the first 127 PRESETs (00A-63B), simply send a standard MIDI Program Change message to load a PRESET.

If you plan to use PRESETs above the 127th, you should send a standard MIDI Bank Change message (MIDI CC# 000) with a value equal to the MIDI Bank you'd like to use before each MIDI Program Change.

MIDI Control Change Associations

PARAMETER	CONTROL CHANGE #	VALUE
PRESET ON/OFF	12	OFF = 0, ON = 127
EXPRESSION PEDAL	11	0 – 127
MIDI PATCH BANK	0	000 – 001
PRESET DOWN	86	Toggle
PRESET UP	87	Toggle
BPM	88	000 - 127
BANK DOWN	89	Toggle
BANK UP	90	Toggle
TUNER	9	Toggle
TAP TEMPO	10	Toggle

Each parameter is assigned to a control change as shown in the following tables. When a parameter range is not linear its values are equally divided among the 128 steps of a Control Change value.

PARAMETER	CONTROL CHANGE #	VALUE
MAIN PARAMETERS		
GAIN	102	000 – 127
BASS	23	000 – 127
MID	25	000 – 127
TREBLE	28	000 – 127
ALT PARAMETERS		
COMP/ **THRESHOLD**	19	000 – 127
GATE/ **THRESHOLD**	15	000 – 127
PRESENCE	106	000 – 127
DEPTH	107	000 – 127
MODEL		
MODEL/ **MODEL.VOL**	103	000 – 127
MODEL/ **MODEL.MIX**	104	000 – 127
GATE		
GATE/ **POWER**	14	000: OFF 127: ON
GATE/ **RELEASE**	16	000 – 127
GATE/ **DEPTH**	17	000 – 127
GATE/ **POSITION**	13	000: FIRST 127: POST AMP
COMP		
COMP/ **POWER**	18	000: OFF 127: ON
COMP/ **GAIN**	20	000 – 127
COMP/ **ATTACK**	21	000 – 127
COMP/ **POSITION**	22	000 – 127
EQ		
EQ/ **BASS HZ**	24	000 – 127
EQ/ **MID Q**	26	000 – 127
EQ/ **MID HZ**	27	000 – 127
EQ/ **TREBLE HZ**	29	000 – 127
EQ/ **POSITION**	30	000 – 127

PARAMETER	CONTROL CHANGE #	VALUE
VIR		
VIR/ **RESO**	108	000 – 127
VIR/ **MIC 1**	109	000: COND 001: DYN 002: RBN
VIR/ **MIC 1 X**	110	000 – 127
VIR/ **MIC 1 Z**	111	000 – 127
VIR/ **MIC 2**	112	000: COND 001: DYN 002: RBN
VIR/ **MIC 2 X**	113	000 – 127
VIR/ **MIC 2 Z**	114	000 – 127
VIR/ **BLEND**	115	000 – 127
MOD		
MOD/ **POWER**	32	000: OFF 127: ON
MOD/ **TYPE**	33	000: CHORUS 001: TREMOLO 002: PHASER 003: FLANGER 004: ROTARY
MOD/ **POSITION**	31	000: PRE AMP 127: POST AMP
MOD/ **CHORUS**		
MOD/ CHORUS/ **SYNC**	34	000: OFF 127: ON
MOD/ CHORUS/ **RATE (TIMESIGN)**	35	000 - 127
MOD/ CHORUS/ **DEPTH**	36	000 - 127
MOD/ CHORUS/ **LEVEL**	37	000 - 127
MOD/ **TREMOLO**		
MOD/ TREMOLO/ **SYNC**	38	000: OFF 127: ON
MOD/ TREMOLO/ **RATE (TIMESIGN)**	39	000 – 127
MOD/ TREMOLO/ **SHAPE**	40	000 – 127
MOD/ TREMOLO/ **SPREAD**	41	000 – 127
MOD/ TREMOLO/ **LEVEL**	42	000 – 127

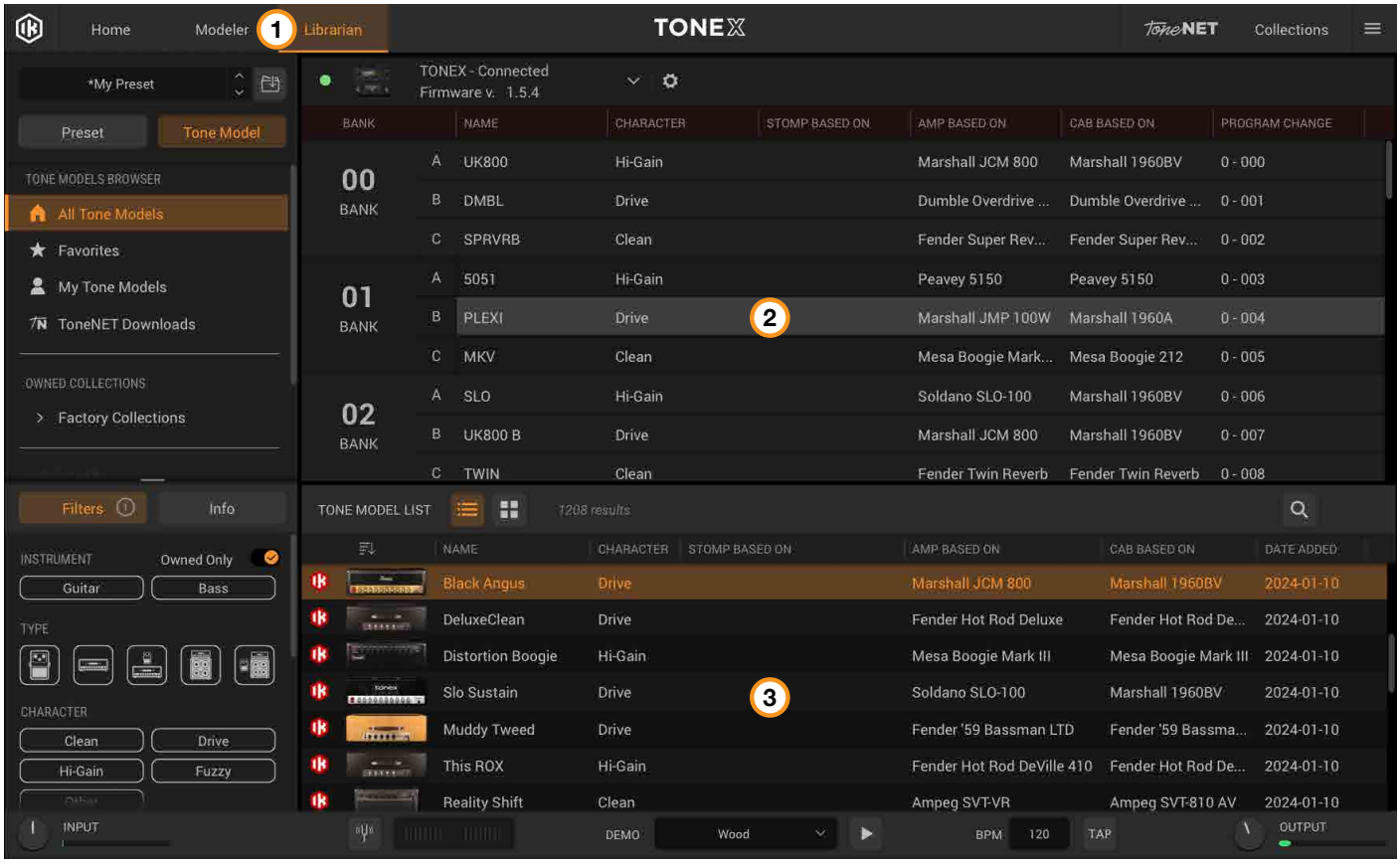
PARAMETER	CONTROL CHANGE #	VALUE
MOD/ **PHASER**		
MOD/ PHASER/ **SYNC**	43	000: OFF 127: ON
MOD/ PHASER/ **RATE (TIMESIGN)**	44	000 – 127
MOD/ PHASER/ **DEPTH**	45	000 – 127
MOD/ PHASER/ **LEVEL**	46	000 - 127
MOD/ **FLANGER**		
MOD/ FLANGER/ **SYNC**	47	000: OFF 127: ON
MOD/ FLANGER/ **RATE (TIMESIGN)**	48	000 – 127
MOD/ FLANGER/ **DEPTH**	49	000 – 127
MOD/ FLANGER/ **FEEDBACK**	50	000 – 127
MOD/ FLANGER/ **LEVEL**	51	000 – 127
MOD/ **ROTARY**		
MOD/ ROTARY/ **SYNC**	52	000: OFF 127: ON
MOD/ ROTARY/ **SPEED (TIMESIGN)**	53	000 – 127
MOD/ ROTARY/ **RADIUS**	54	000 – 127
MOD/ ROTARY/ **SPREAD**	55	000 – 127
MOD/ ROTARY/ **LEVEL**	56	000 – 127
DELAY		
DELAY/ **POWER**	2	000: OFF 127: ON
DELAY/ **TYPE**	3	000: DIGITAL 001: TAPE
DELAY/ **POSITION**	1	000: PRE AMP 127: POST AMP
DELAY/ **DIGITAL**		
DELAY/ DIGITAL/ **SYNC**	4	000: OFF 127: ON
DELAY/ DIGITAL/ **TIME (TIMESIGN)**	5	000 - 127
DELAY/ DIGITAL/ **FEEDBACK**	6	000 – 127
DELAY/ DIGITAL/ **MODE**	7	000: NORMAL 064: PING.PONG
DELAY/ DIGITAL/ **MIX**	8	000 – 127

PARAMETER	CONTROL CHANGE #	VALUE
DELAY/ **TAPE**		
DELAY/ TAPE/ **SYNC**	91	000: OFF 127: ON
DELAY/ TAPE/ **TIME (TIMESIGN)**	92	000 – 127
DELAY/ TAPE / **FEEDBACK**	93	000 – 127
DELAY/ TAPE / **MODE**	94	000: NORMAL 064: PING.PONG
DELAY/ TAPE / **MIX**	95	000 - 127
REVERB		
REVERB/ **POWER**	75	000: OFF 127: ON
REVERB/ **TYPE**	85	000: SPRING 1 001: SPRING 2 002: SPRING 3 003: SPRING 4 004: ROOM 005: PLATE
REVERB/ **POSITION**	84	000: POST AMP 127: LAST
REVERB/ **SPRING 1**		
REVERB/ SPRING 1/ **TIME**	59	000 - 127
REVERB/ SPRING 1/ **PRE.DELAY**	60	000 – 127
REVERB/ SPRING 1/ **COLOR**	61	000 – 127
REVERB/ SPRING 1/ **MIX**	62	000 - 127
REVERB/ **SPRING 2**		
REVERB/ SPRING 2/ **TIME**	63	000 - 127
REVERB/ SPRING 2/ **PRE.DELAY**	64	000 – 127
REVERB/ SPRING 2/ **COLOR**	65	000 – 127
REVERB/ SPRING 2/ **MIX**	66	000 - 127
REVERB/ **SPRING 3**		
REVERB/ SPRING 3/ **TIME**	67	000 - 127
REVERB/ SPRING 3/ **PRE.DELAY**	68	000 - 127
REVERB/ SPRING 3/ **COLOR**	69	000 - 127
REVERB/ SPRING 3/ **MIX**	70	000 - 127

PARAMETER	CONTROL CHANGE #	VALUE
REVERB/ **SPRING 4**		
REVERB/ SPRING 4/ **TIME**	80	000 - 127
REVERB/ SPRING 4/ **PRE.DELAY**	81	000 - 127
REVERB/ SPRING 4/ **COLOR**	82	000 - 127
REVERB/ SPRING 4/ **MIX**	83	000 - 127
REVERB/ **ROOM**		
REVERB/ ROOM/ **TIME**	71	000 - 127
REVERB/ ROOM/ **PRE.DELAY**	72	000 - 127
REVERB/ ROOM/ **COLOR**	73	000 - 127
REVERB/ ROOM/ **MIX**	74	000 - 127
REVERB/ **PLATE**		
REVERB/ PLATE/ **TIME**	76	000 - 127
REVERB/ PLATE / **PRE.DELAY**	77	000 - 127
REVERB/ PLATE / **COLOR**	78	000 - 127
REVERB/ PLATE / **MIX**	79	000 - 127

TONEX Librarian

Use the TONEX Librarian inside TONEX for Mac/PC to manage and transfer PRESETs from your computer to the pedal and vice-versa.



1. Press the Librarian tab in the TONEX app to open the Librarian section.
2. PEDAL LIBRARY: The PEDAL LIBRARY is populated in real-time with the presets available on the connected TONEX pedal.
   Drag & drop PRESETS or TONE MODELS from the COMPUTER LIBRARY into the PEDAL LIBRARY to transfer them to the TONEX pedal (TONE MODELS are automatically converted into PRESETS).
   The selected preset in the PEDAL library is always selected on the TONEX pedal so that it can be easily monitored while using the device.
3. COMPUTER LIBRARY: the COMPUTER LIBRARY is populated with PRESETS and TONE MODELS available on your computer.
   Drag & drop PRESETs from the PEDAL LIBRARY into the COMPUTER LIBRARY to transfer them to your computer.

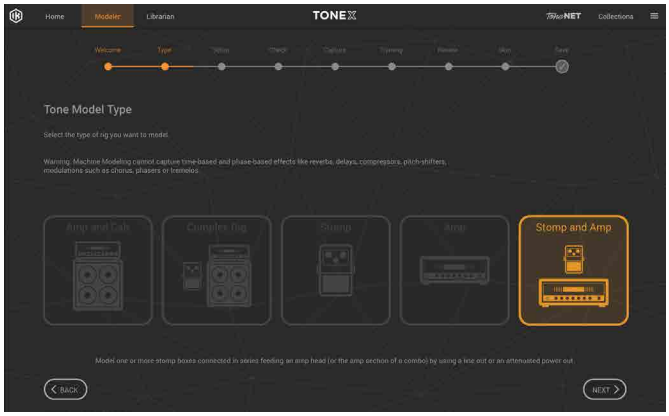
To learn more about TONEX Librarian, see the TONEX for Mac/PC User Manual.

Included applications

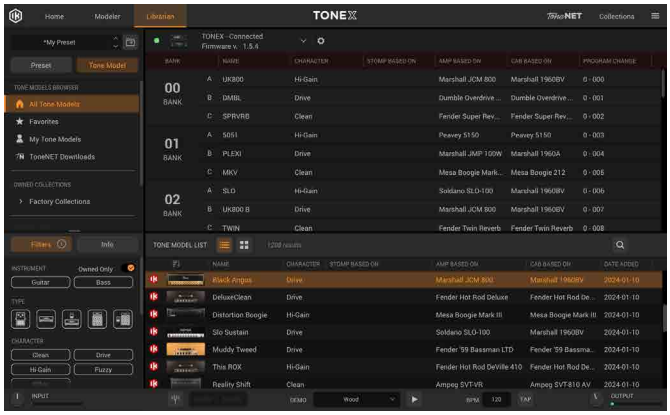
By registering TONEX Pedal on ikregister.com using the included serial number in the registration card you'll get the following applications.

TONEX MAX for Mac/PC (Player, Modeler and Librarian)

Player



Modeler



Librarian

AmpliTube 5

System requirements

To review system requirements reference our website.

TONEX for Mac/PC:

www.ikmultimedia.com/products/tonex/#specs

AmpliTube 5:

www.ikmultimedia.com/products/amplitube5/index.php?p=specs

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All specifications are subject to change without further notice.

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