SONULAB

User Manual

StompStation PRO

Version 1.0

2026

INDICE

European Union Compliance Statement

Information on Disposal for Users of Waste Electrical & Electronic Equipment

This symbol on the product or on its packaging indicates that used electrical and electronic products should not be mixed with unsorted municipal waste. For proper treatment, it is your responsibility to dispose of your waste equipment by arranging to return it to designated collection points. Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling. To return your used device, please contact your local authority for further details of your nearest designated collection point. Penalties may be applicable for incorrect disposal of this waste, in accordance with your national legislation.

CE

Sonulab declares that the product comply with the essential requirements and other relevant provisions of the RoHS Directive 2011/65/EU and amendment Commission Delegated Directive (EU) 2015/863, the Radio Equipment Directive 2014/53/EU.

1. Introduction

Welcome to the world of **StompStation PRO**. StompStation PRO is an advanced native **NAM (Neural Amp Modeler)** player, designed to offer maximum sound fidelity with no software conversion. Thanks to its powerful architecture, the pedal allows you to load and run **two NAM files simultaneously** and up to **two Impulse Responses (IRs)** at the same time, ensuring unprecedented tonal flexibility.

This pedal offers also advanced options such as Wi-Fi®, Bluetooth®, MIDI control, and a dedicated app for Windows®, macOS®, iOS® and Android® for complete and intuitive function management.

2. Package Contents

- StompStation PRO Pedal

3. Pedal Features

3.1 Main Features

- **Native** playback of **NAM** files (no conversion)
- Simultaneous loading of **2 NAM files**
- Separate loading of **2 IRs** simultaneously
- **50 preset slots** organized in banks
- **3 footswitches** with direct preset access
- Integrated **Tuner**
- **5 physical knobs** for immediate control
- **2 stereo audio outputs**
- **Headphone output**
- **MIDI** control

Power supply:

- 9V DC – **1000 mA**, center negative
- **USB-C** (1000mA)
- **Bluetooth and Wi-Fi** connectivity
- Control via **VoidX Control** app

3.2 Stompstation PRO Description

1 - INPUT 1/2: Unbalanced, 14.5dBu, 1MΩ impedance.

2 - OUTPUT 1/2: Balanced, 20.5dBu, 600Ω impedance

3 - FOOTSWITCH

4 - LCD SCREEN

5 - VOLUME AND PRESET CONTROL TRS 3.5mm OUT: 300mW on 32Ω.

6 - INPUT DC PLUG (9V 1000mA), center-negative.

7 - MIDI IN & OUT/THRU: TRS 3.5mm Type A.

8 - USB-C Port 1: Powering, PC/Mac connection, Firmware Update

9 - INPUT DC PLUG (9V 1000mA), center-negative.

10 - UPD

11 - HEADPHONES

4. Installation and Setup

4.1 Power Supply

1. Connect the pedal to a power outlet using a 9V DC power adapter with negative internal polarity (1000 mA), not included, or through the USB-C port using an appropriate cable and power adapter (not included)
2. Ensure that the power adapter has the correct voltage and current specifications to avoid damage.

Boot-up Time Once connected to power, the system takes approximately **10 seconds** to complete its boot sequence. The pedal will be ready for use once this loading process finishes.

4.2 Connecting the Instrument

1. Use a standard jack cable to connect your guitar to the pedal's **IN** input.
2. Connect the **OUT** output to an amplifier or sound system.

4.3 Connecting to the Mobile App

1. Download the VoidX-Control app from the App Store or Google Play or from the VoidX website.
2. Enable Bluetooth on your mobile device or connect to the device via USB.
3. Open the app and select the StompStation pedal from the available devices to connect.

5. Hardware Overview and Connections

5.1 Power Supply

The pedal offers two flexible power modes:

- **DC Power Supply:** 9V with center-negative polarity. **Important:** Ensure the power supply delivers at least **1000mA (1A)**.
- **USB-C:** The pedal can be powered directly via the USB-C port.

5.2 Top Panel (Controls)

The interface consists of 5 knobs and a display:

1. **BROWSE/VOLUME Knob (Encoder):** Located slightly apart from the others.
    - *Rotate:* Adjusts Master Volume.
    - *Press + Rotate:* Quick Preset change.
    - *Press:* Enters **Preset Menu** (Edit Mode).
2. **Knobs F1, F2, F3, F4:** Located below the display.
    - In "Live" Mode: Quickly adjust EQ (Bass, Mids, Highs) and Gain.
    - In "Edit" Mode: Adjust specific parameters displayed at the bottom of the screen.

5.3 Footswitches

The pedal features 3 Footswitches (A, B, C) with multicolor LED indicators.

- **Footswitches A, B, C:** Activate the respective presets within the current bank.
- **Tuner:** Press and hold **Footswitch C** to activate/deactivate the integrated tuner.

6. Navigation and Bank Management

StompStation PRO manages sounds via a **Bank** system. Each bank contains 3 Presets (assigned to footswitches A, B, and C).

Changing Banks

To navigate through banks and access the 50 available slots:

- **NEXT Bank (Bank Up):** Press **Footswitch B + Footswitch C** simultaneously.
    - *Example:* If you are in Bank 1, you will switch to Bank 2 (which will contain presets A, B, C of Bank 2).
- **PREVIOUS Bank (Bank Down):** Press **Footswitch A + Footswitch B** simultaneously.

6.1 Edit Mode

The user interface is layered to ensure quick access during performances and deep editing capabilities when needed.

Preset Menu (Signal Chain)

To enter this menu, press the **BROWSE/VOLUME** knob once. The complete signal chain is displayed on this screen: **Gate -> Comp -> Mod -> Drive -> Amp -> IR -> Mod -> Delay -> Reverb**

- **Block Navigation:** Rotate the **BROWSE/VOLUME** knob to scroll through the chain blocks.
- **Preset Change:** Rotate the **F1** knob to switch to the next or previous preset while keeping the menu view.
- **Block Edit:** Press the **BROWSE/VOLUME** knob on a selected block to enter that block's submenu.
    - Inside the block, use knobs **F1, F2, F3, F4** to modify the parameters shown at the bottom of the display.

6.1.1 MASTER Menu (Global Settings)

To access global preset settings, press the **BROWSE/VOLUME** knob again while already inside the *Preset Menu*. Here you can configure:

- Tap Tempo: Press the footswitch of the active preset at least 4 times to set the tap tempo
- Preset Volume
- LED Colors (customization to identify active presets and footswitches).

7. VoidX Control App and Connectivity

StompStation PRO is equipped with **Bluetooth** and **Wi-Fi** modules. Although the pedal is fully operational in standalone mode, the **VoidX Control** app (iOS/Android) expands its capabilities:

- Real-time visual parameter editing.
- Loading and management of .nam files and IRs.
- Preset Library management (Backup and Restore).
- **Firmware Update:** Can be performed directly via the app

8. Pedal Firmware Update

The pedal firmware update is performed using the **VoidX Control** application.

Firmware Update Procedure

1. Download and install the latest version of the **VoidX Control** application on your computer.
2. Connect the pedal to the power supply.

3. During power-on, when the **Sonulab** logo appears on the display, **press and hold the UPD button** located on the rear panel of the pedal.
4. The pedal will enter **firmware update mode**.
5. Connect the pedal to the computer using a **USB cable** or via **wireless connection**, if available.
6. Once the connection between the pedal and the application is established, a **data upload icon** will appear in the **VoidX Control** application.
7. Click the upload icon and select the firmware update file in **.zip** format.
8. Wait for the file upload to complete without disconnecting the pedal or interrupting the connection.
9. Once the upload is complete, **power off the pedal** by disconnecting it from the power supply.
10. Wait **approximately 10 seconds**, then power the pedal back on. The update will be completed and the pedal will be ready for use.

Important Notes

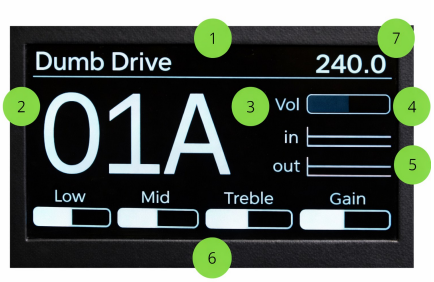
- The pedal update procedure **only updates the system software**.
- **Factory presets and any other presets are not affected** and can be loaded separately using the **VoidX Control** application.
- Do not power off the pedal or disconnect the power supply during the firmware upload process.

9 Display Guide and Symbology

The StompStation PRO display is the control center for your sound. Here is how to interpret the information in the two main modes.

9.1 Home Screen (Live Mode)

This is the default screen displayed when you power on the pedal.



1. **Current Preset Name**: Displays the name of the currently selected preset.
2. **Bank Number**: Shows the current Bank number (e.g., "BANK 01").
3. **Active Footswitch**: Indicates which footswitch is currently engaged.

4. **Output Volume**: Displays the output level. The indicator appears **grey** if nothing is connected to the input, and **white** if a connection is detected.
5. **Signal Metering**: Visual indicators for Input and Output signals.
6. **Knob Parameters**: Shows the parameters currently adjusted by the physical knobs:
    - **F1:** BASS (Equalization)
    - **F2:** MID (Equalization)
    - **F3:** TREBLE (Equalization)
    - **F4:** GAIN (Distortion/Input Level)
7. **Tap Tempo**: Displays the current Tap Tempo value (BPM).

9.2 Edit Screen (Chain Mode)

Accessible by pressing the **BROWSE** knob. Here, the horizontal signal flow is displayed. The currently selected block is highlighted.

9.3 Parameters and Effects Details

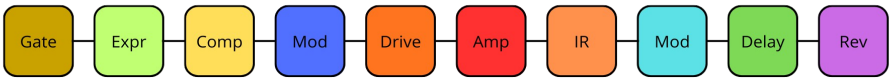
In this section, we explore the adjustable parameters for each block in the chain. To access these menus:

1. Press **BROWSE** to enter the chain menu.
2. Rotate **BROWSE** to select the desired block.
3. Use **F1, F2, F3, F4** to adjust values (bottom bar).
4. Press **BROWSE** to enter the block's menu
5. Press F1 for BACK.

NOTE: Unsaved Changes (Orange Triangle) An **orange triangle** appearing at the top of the screen indicates that parameters in the current preset have been modified but not yet saved.

- **To Overwrite:** Press and hold **F1** to save changes to the current preset.
- **To Save as New:** Press **F2** to save the settings to a new preset.
- **Switching Presets:** If you attempt to change presets with unsaved modifications, a prompt will ask if you want to **Discard changes: Back, OK, Save**.

10. Effect Blocks Overview



10.1 Signal Chain Editing

The internal signal chain consists of various blocks, including Effects, Amplifier simulations (Amp), and Impulse Responses (IR/Cab). To modify the sound:

1. Enter the **Chain** view.
2. Select the desired block (e.g., an Effect, Amp, or IR) you wish to edit.
3. Once the block is selected, the adjustable parameters will appear at the bottom of the screen.
4. Rotate the physical knobs **F1, F2, F3, and F4** to adjust the values.
    - The knobs correspond to the on-screen parameters in order from **left to right** (F1 controls the first parameter on the left, F4 controls the last one on the right).

10.1.1 Gate (Noise Gate)

The **Noise Gate** reduces background noise when the signal falls below a certain threshold.

Configurable parameters include:

- **Enable**: Activates or deactivates the gate.
- **Threshold**: Defines the minimum level below which the gate cuts off background noise.
- **Attack**: Adjusts how quickly the gate opens when the signal exceeds the threshold. Lower values make the opening faster.
- **Release**: Controls how fast the gate closes when the signal drops below the threshold. Higher values extend the closure time.
- **Hysteresis**: Sets a secondary threshold to prevent unwanted opening/closing due to signal fluctuations.

Select **Back** to return to the main menu.

10.1.2 Expr (Expression)

The **Expr** block allows control of specific preset parameters using an **expression pedal** connected to the device. This block is placed in the signal chain **after the Gate and before the Compressor**.

The Expr block can be used to control **volume**, apply a **boost**, or operate a **wah effect** with adjustable parameters.

VOLUME

The **Volume** parameter controls the signal level managed by the expression pedal.
The default value is **50%**, providing a balanced range between minimum and maximum levels.

Boost

The **Boost** parameter increases the signal level when the expression pedal approaches its maximum position. This function is useful for emphasizing solos or temporarily increasing the signal level.

Wah

The Expr block can also operate as an **expression-controlled wah effect**. Several parameters are available to shape the filter behavior.

- **Mode**

  Selects the wah type:

  - **Cry** – classic modern wah response
  - **Vintage – smoother vintage-style response**

- **Position**

  Defines the initial position of the wah filter.
  Default value: **50%**.

- **Emphasis**

  Controls the intensity of the wah effect by increasing or reducing the emphasis of the filtered frequencies.
  Default value: **50%**.

- **Lo-Sweep**

  Defines the lower frequency of the wah sweep.
  Default value: **450 Hz**.

- **Hi-Sweep**

  Defines the upper frequency of the wah sweep.
  Default value: **2200 Hz**.

- **Off Value**
  Defines the behavior of the wah effect when the expression pedal is in its minimum position.
  Available options are:

- **Disabled** – the effect always remains active
- **95%** – the effect turns off when the pedal drops below 95%
- **90%** – the effect turns off when the pedal drops below 90%

10.1.3 Comp (Compressor)

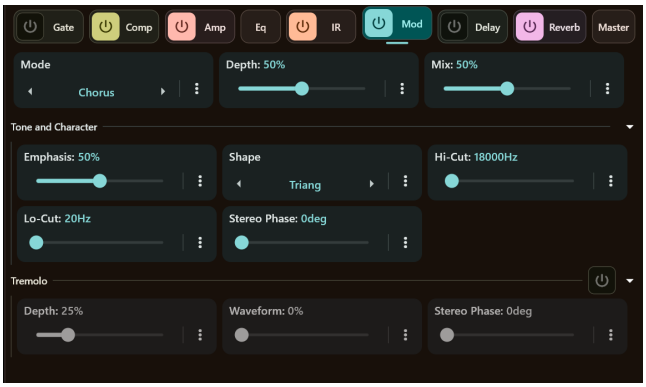
The compressor adjusts the sound dynamics, balancing the differences between high and low volumes. The available parameters are:

- **Enable**: Activates or deactivates the compressor.
- **Sensitivity**: Adjusts the compressor's sensitivity, i.e., the level at which it starts acting on the signal.
- **Makeup**: Increases the overall level of the compressed signal to compensate for any volume loss.
- **Attack**: Controls the speed at which the compressor begins to reduce the signal when it exceeds the set threshold.
- **Release**: Determines how quickly the compressor stops acting once the signal drops below the threshold.
- **Tone**: Shapes the high-frequency character of the compressed signal. Use it to add bite and "pick-attack" definition for a more aggressive feel, or roll it back to warm up and darken the tone for a smoother, vintage response.

Select Back to return to the main menu.

10.1.4 Mod (Modulation – Stereo)

Stereo Modulations Engine, featuring Chorus/Flanger/Phaser + Tremolo, all natively stereo. Easily dial in everything from classic chorus and lush atmospheres to '80s flanging, jet-engine effects, subtle to pronounced phasing, and smooth to deep gating tremolos



- **Mode**: selects the modulation type - Chorus, Flanger, Phaser
- **Depth**: Controls the intensity of the modulation effect. Higher settings give a more dramatic sweep.
- **Mix:** Blends the clean (dry) signal with the affected (wet) signal
- **Emphasis**: Adjusts the focus or sharpness of the effect, often enhancing higher frequencies.
- **Shape:** Changes the waveform of the modulation (e.g., sine, triangle), affecting the feel and motion of the effect
- **Hi-Cut**: Rolls off high frequencies from the effect signal, making it warmer or darker.
- **Low-Cut:** Removes low frequencies from the effect signal, helping to reduce muddiness.
- **Stereo Phase:** Adjusts the phase offset between left and right channels for a wider stereo image.

10.1.4 Drive (Amplifier)

The **Drive** option allows you to configure the virtual amplifier settings. Available parameters include:

- **Enable**: Activates or deactivates the amplifier
- **Model**: Allows you to select the loaded amplifier model.
- **Gain**: Adjusts the gain level. Once set, press the knob to return to the **Amp** menu.
- **Volume**: Adjusts the amplifier output level. Press the knob to return to the **Amp** menu.
- **Back**: Returns to the main menu.

10.1.6 Amp (Amplifier)

The **Amp** option allows you to configure the virtual amplifier settings. Available parameters include:

- **Enable**: Activates or deactivates the amplifier
- **Model**: Allows you to select the loaded amplifier model.
- **Gain**: Adjusts the gain level. Once set, press the knob to return to the **Amp** menu.
- **Sag**: Adjusts the sagging parameter, which controls the dynamic response of the amplifier's virtual power supply. Press bac to return to the **Amp** menu.
- **Volume**: Adjusts the amplifier output level. Press bac to return to the **Amp** menu.
- **Back**: Returns to the main menu.

10.1.7 Eq (Equalizer)

The **Eq** section offers control over key frequencies to shape the sound. Configurable parameters include:

- **Low**: Adjusts the low frequencies.
- **Mid**: Controls the mid frequencies.
- **Treble**: Adjusts the high frequencies.
- **Level**: Sets the overall level of the equalized signal.
- **Back**: Returns to the main menu.

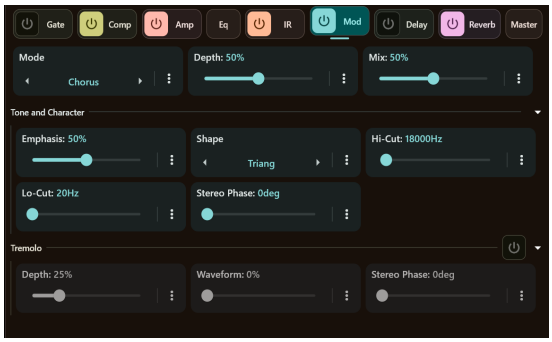
10.1.8 IR (Impulse Response) STEREO

The IR section now supports stereo processing, allowing you to load and manage two independent IRs: one for the left (L) channel and one for the right (R) channel. Both IRs can be configured separately within the same screen. The available parameters for each IR are:

- **Enable L / Enable R**: Enables or disables the IR for the left or right channel, respectively.
- **IR L / IR R**: Selects the desired IR file from the pedal’s internal memory for the left or right channel.
- **Lo cut L / Lo cut R**: Applies a high-pass filter for each channel, cutting low frequencies below a defined threshold.
- **Hi cut L / Hi cut R**: Applies a low-pass filter for each channel, cutting high frequencies above a defined threshold.
- **Balance**: Allows adjustment of the mix between the two IRs.
- **Back**: Returns to the main menu.

10.1.9 Mod (Modulation - Stereo)

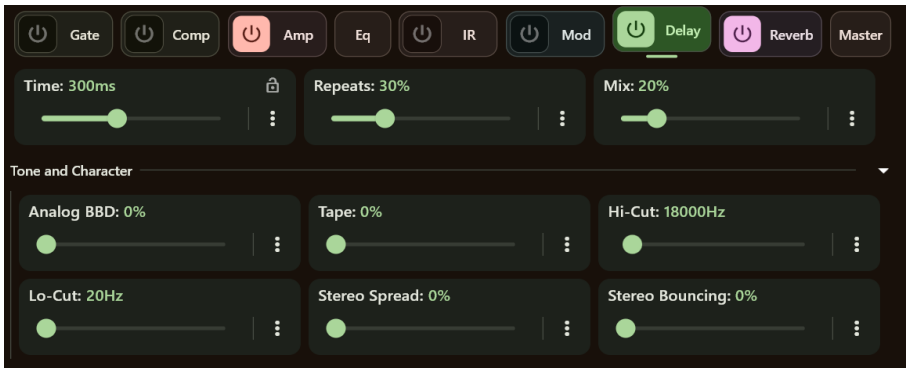
Stereo Modulations Engine, featuring Chorus/Flanger/Phaser + Tremolo, all natively stereo. Easily dial in everything from classic chorus and lush atmospheres to '80s flanging, jet-engine effects, subtle to pronounced phasing, and smooth to deep gating tremolos



- **Mode**: selects the modulation type - Chorus, Flanger, Phaser
- **Depth**: Controls the intensity of the modulation effect. Higher settings give a more dramatic sweep.
- **Mix:** Blends the clean (dry) signal with the affected (wet) signal
- **Emphasis**: Adjusts the focus or sharpness of the effect, often enhancing higher frequencies.
- **Shape:** Changes the waveform of the modulation (e.g., sine, triangle), affecting the feel and motion of the effect
- **Hi-Cut**: Rolls off high frequencies from the effect signal, making it warmer or darker.
- **Low-Cut:** Removes low frequencies from the effect signal, helping to reduce muddiness.
- **Stereo Phase:** Adjusts the phase offset between left and right channels for a wider stereo image.

10.1.10 Delay (Stereo)

Everything from pristine digital delays to classic analog and tape vibes, complete with complex stereo spatial and rotating patterns. Need that signature "Bucket Brigade Device" analog warmth, perfectly blended with that vintage tape warble and flutter, all in a tempo synced ping-pong stereo pattern? You can achieve that and so much more! And with ensured spillover, your trails will always fade naturally.



- **Time:** Sets the delay time between the original signal and the first repeat. Adjust it for short slapback echoes or long, ambient delays
- **Repeats:** : Controls the number of delay repetitions. Higher settings create more sustained and layered echoes.
- **Mix**: Blends the dry (original) signal with the delayed signal. Use it to determine how present the delay effect is in your sound.
- **Analog BBD**: Emulates classic analog bucket-brigade delays, with warm tone and naturally degrading repeats.
- **Tape**: Recreates the character of vintage tape delay, including gentle modulation and subtle saturation.
- **Hi-Cut**: Reduces high frequencies in the repeats for a smoother, darker delay tone.
- **Lo-Cut**: Removes low frequencies from the repeats to avoid muddiness and keep the effect clean.
- **Stereo Spread**: Widens or narrows the delay's position in the stereo field. Useful for creating space and dimension.
- **Stereo Bouncing**: This setting controls the spatial movement of your delays. It adjusts the stereo rotation between the left and right channels. 0% (Center): No rotation; the delay remains stationary. Positive Values (0% to 100%): repetitions rotate clockwise. At 100%, this creates a classic ping pong effect, bouncing fully between Left and Right. Negative Values (0% to -100%): repetitions rotate counter-clockwise through different patterns. At -100%, the system engages full cross-feedback, where each side feeds exclusively into the opposite channel.

Delay Parameters

Two optional sections have been added to the Delay block. These sections add particular character and are disabled by default.

Modulation section

The wet signal can now be time-modulated, creating a wider and more dynamic effect. When enabled, additional parameters can be adjusted to control the depth and character of the modulation.

Rate: Sets the speed of the modulation. This can be set freely in Hz or synced to a reference tempo for rhythmic consistency.

Depth: Controls the modulation's intensity. Low settings provide a subtle sense of movement, while high settings produce a pronounced vibrato effect.

Shape: Determines the waveform of the LFO. Choose between Triangle, Sine, or Square modulation.

Stereo Phase: Adjusts the offset between the left and right modulation cycles. Increasing this value creates a wider, more immersive stereo field by moving the delay lines independently.

Dual Delay section

You can make the two delay lines independent, allowing the creation of more complex rhythmic patterns or wider stereo effects.

Time: Sets the delay duration for the Right channel. This can be set manually or synced to a reference tempo.

Feedback Mode: Locked: Automatically matches the Right channel's decay to the Left channel for a uniform decay. Independent: Unlocks the Right channel, allowing for custom feedback settings.

Feedback: Adjusts the number of repetitions for the Right channel (only active in Independent mode).

Mix Balance: Controls the relative volume levels between the Left and Right processed (wet) signals.

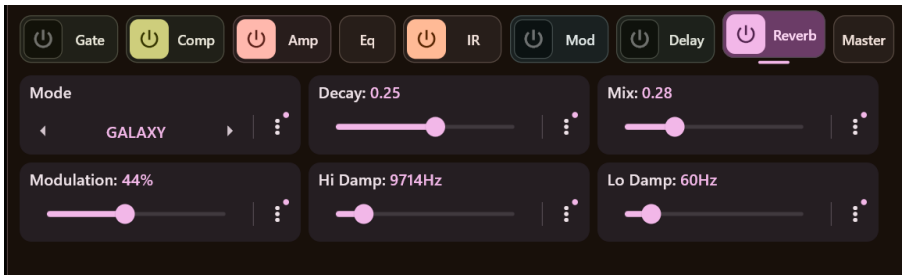
Left / Right Line Pan: Sets the stereo position for each delay line. By default, these are hard-panned to Full Left and Full Right for maximum width.

10.1.10 Reverb (Stereo)

The StompStation reverb offers high-quality, natural-sounding trails with precise decay control. You can shape anything from classic room reverbs to expansive, dynamic hall environments. Special modes like *Tunnel* and *Galaxy* introduce unique spatial effects, ranging from deep echoes to rich, modulating atmospheres that create a sense of floating in space.

All reverb types feature **guaranteed spillover**, ensuring smooth, uninterrupted transitions between patches, your reverb tails will always fade naturally, without abrupt cutoffs.

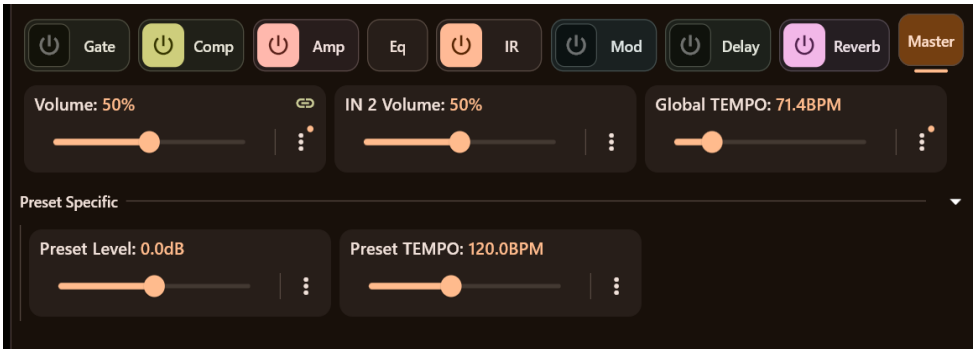
Use the onboard controls to tailor the decay length, tone, and modulation of the effect, achieving everything from subtle ambience to complex, immersive textures.



In addition to the previously described parameters, the following advanced settings are available:

- **Mode:** selects the Reverb type.
- **Decay**: Sets the length of the reverb tail. Higher values create a longer, more spacious ambience.
- **Mix**: Blends the dry (original) signal with the reverb effect. Use it to control how present or subtle the reverb sounds.
- **Modulation**: Adds movement and slight pitch variation to the reverb tail, creating a more lush and natural feel. .
- **Hi Damp**: Reduces high frequencies in the reverb, making it warmer and less sharp.
- **Lo Damp**: Cuts low frequencies from the reverb, reducing muddiness and keeping the sound clear.

10.1.12 Master



The **Master** section allows you to adjust the signal output levels. Available parameters:

- **Volume**: Adjusts the overall output level of the unit. Use this to match the pedal's volume with the rest of your rig.
- **IN 2 Volume**: Controls the input level of the secondary input channel. Ideal for balancing dual input sources or stereo setups.

- **Global TEMPO**: Sets a master tempo that overrides individual preset tempos, allowing all time-based effects (like delay and modulation) to sync to a unified BPM.
- **Preset Level**: Adjusts the output level for each preset individually, useful for matching volume across different sounds.
- **Present TEMPO**: Allows each preset to retain its own dedicated tempo, useful for complex live setups where different songs or sections require different time settings.

Controllers

StompStation allows configuration of two assignable controllers that can be controlled via MIDI CC or the internal Ctrl controller.

Controllers configuration are available in the Master menu, located at the end of the signal chain. Once configured, controllers can be linked to different preset parameters to control them in real time.

Defining a source for the Controllers

Every controller is assignable to either a MIDI CC or an Expression Pedal (ctrl) source. When using MIDI CC

mode, you have two ways to assign a control address:

Manual Selection: Choose a specific address between 32 and 127. (Note: Addresses below 32 are system

reserved and unavailable for manual mapping).

LEARN Mode: Activate the LEARN function to automatically pair the controller. The device will identify and

lock onto the first MIDI CC message it receives from your hardware.

Linking a Parameter to a Controller

To assign a parameter to a controller: Open the parameter menu you want to control. Open the options menu (the three dots icon next to the parameter name). Select Link to Controller 1 or Link to Controller 2.

Maximum Number of Controlled Parameters

Each controller can be linked to up to 3 parameters simultaneously, allowing multiple aspects of the sound to change with a single control.

Control Range

For each linked parameter it is possible to define a minimum and maximum control values. These values are

expressed as percentages and define the range within which the parameter will change when the controller is used.

Removing a Link

To remove a link between a parameter and a controller: Enter the parameter menu again. Open the options

menu. Select Remove link.

All parameters can be controlled directly from the physical unit. The images shown in this guide refer to the VoidX-Control app, which we recommend using solely for easier parameter editing and setup.

All parameters can be controlled directly from the physical unit. The images shown in this guide refer to the VoidX-Control app, which we recommend using solely for easier parameter editing and setup.

10.2 Accessing the Setup Menu

To access the Setup menu from the **Application** menu, hold the knob until the **Setup** menu appears.

The following options are available::

- **Setting**: Allows configuring advanced settings..
- **System**: Provides access to system information and settings..
- **Back**: Returns to the previous menu.

10.2.1 Setting

Within the Setting menu, the following options are available:

- **Tuner:** Accesses the integrated tuner
- **Input**: Adjusts signal input settings.
- **Misc:** MIDI address, Ground lift ON/OFF, Headphones Mono-L/Stereo
- **Back**: Returns to the previous menu.

Tuner

The Tuner section allows you to manage the settings of the integrated tuner (Hold Footswitch C).

- Enable: Activates or deactivates the tuner.
- Tuner: Selecting this option opens a submenu with the following settings:
    - Freq: Adjusts the reference frequency of the tuner (e.g., 440 Hz).
    - Level: Sets the signal level of the tuner.
    - Ref: Specifies the tuning reference, useful for alternative tunings.
    - Back: torna al menù principale del Tuner.
- Back: Returns to the Setting menu.

To quickly access the tuner function: Turn on StompStation and connect your instrument. Hold down the Footswitch C until it appears on the pedal's screen

Input

StompStation PRO features **two independent inputs** (Input 1 and Input 2), each with dedicated controls to precisely adjust the input signal level according to the connected instrument.

Input 1

- **In 1 Digital gain**

Input 2

- **In 2 Digital gain**

Input Section: Pickup Simulator

The **Pickup Simulator** is designed to perfectly match your instrument's signal level to the pedal's digital architecture, ensuring maximum dynamic range and the best signal-to-noise ratio.

It is particularly useful for compensating for volume differences between different guitars (e.g., low-output vintage Single Coils vs. high-output active Humbuckers).

To return to the **Input** menu, press the knob again

- Back: Returns to the Setting menu.

Misc

The **Misc** section includes general utility settings that control system behavior and MIDI integration:

- **MIDI Address**:
  Defines the MIDI channel the unit listens to for incoming MIDI messages.
  Set this to match your external MIDI controller or DAW to enable preset changes, tempo sync, and effect control via MIDI.
- **Ground Lift** A switch designed to eliminate hum and noise caused by ground loops.

  How it works: It disconnects the audio signal ground (XLR Pin 1) from the chassis ground, breaking the loop that generates the noise.

  When to use: Engage it if you hear a persistent hum when connecting the pedal to external devices (e.g., Mixers, PA systems, Audio Interfaces). If the signal is clean, leave it off.
- Headphones
  Setting MONO/L or STEREO headphones signal

Back: To return to the Setup menu, select Back from the Setting menu..

10.2.2 System

The **System** section provides access to advanced settings and system information. The following options are available within this menu:

- Name: Allows you to rename the StompStation device and assign a custom name
- Alias: Lets you set an alternative name for the device, useful for identification in specific contexts.
- Author: A field to record the name of the author or owner of the device.
- Version: Displays the current firmware version installed on the pedal.
- License: Shows the software license information.
- ID: Displays a unique identification code for the device.
- Key: Allows you to manage or update a security key associated with the device
- Password: Enables setting a personal password to protect the pedal's settings.
- VU Meters: Configures the appearance and behavior of the VU meters on the display (e.g., levels, colors, or display modes).

- Color: Option to customize the colors of the device's graphical interfaces.
- Wi-Fi Allows managing wireless network settings, such as connecting to a Wi-Fi network for updates or remote control.
- Back: Returns to the Setup menu.

General Note: To modify a parameter, press the browse knob on the desired option, adjust the value by rotating the knob, and press again to confirm and return to the previous menu. This procedure applies to all pedal settings..

Each parameter comes with factory preset values designed to provide an optimal experience from the start. However, they can be freely adjusted to meet the musician's needs, ensuring maximum flexibility

It is recommended to set a personal password to prevent unauthorized access to the product by third parties.

11. Connections and Advanced Features

11.1 MIDI Connection

To integrate the pedal into a MIDI system, use the dedicated MIDI port. This allows you to:

- **Synchronize the pedal** with other MIDI devices (such as keyboards, drum machines, or sequencers).
- **Control specific pedal parameters** via external MIDI signals.
- **Send MIDI commands** from the pedal to control other devices in the chain.

Configure MIDI addresses and channels through the MIDI Address menu described earlier.

11.2 Using the VoidX-Control App

The VoidX-Control application is an essential tool for expanding and customizing the StompStation's features. With the app, you can:

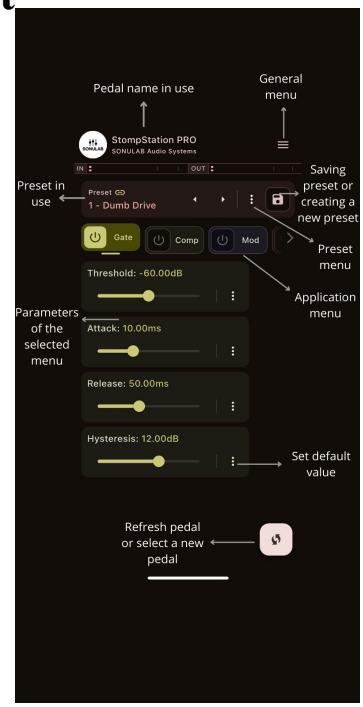
1. **Manage presets:** Easily create, edit, rename, and organize your presets.
2. **Update firmware:** Download and install the latest version automatically.
3. **Customize advanced parameters:** Access in-depth controls not available directly on the pedal**.**
4. **Perform backups and restores:** Save your current configurations and restore them if needed
5. **Remote control:** Connect the pedal via Wi-Fi or USB for real-time control through the app

12. Using the VoidX-Control App

To manage and customize StompStation via the VoidX-Control app, follow these steps:

1. **Download the application**:
    - Open the **App Store** (for iOS devices) or the **Play Store** (for Android devices).
    - Search for **VoidX-Control** and download it to your device.
2. **Set up the connection**:
    - **Bluetooth**: Enable Bluetooth on your phone or tablet and ensure it is visible. The app will automatically detect the pedal once it is nearby.
    - **Wi-Fi**: For a wireless connection, go to the Wi-Fi section in the System menu on the pedal and configure the network settings. Once connected, the app will sync automatically.
3. **Ready to use**:
   Once the connection is established, the VoidX-Control app is ready to use, allowing you to::
    - Modify the pedal's parameters in real-time..
    - Manage presets, updates, and advanced feature.
    - Control the pedal remotely with ease.

12.1 Application Layout



12.2 Selecting the Pedal

The VoidX-Control app supports multiple pedal connections simultaneously. To select the pedal you want to use:

1. Tap the **arrows** in the bottom-right corner..
2. Scroll through the list of available devices and select the desired pedal.

12.3 Main Screen

Description of the main interface:

- **Preset**:
    - Tap on Preset to quickly access the list of available presets..
    - Alternatively, use the < - > arrows to scroll through presets without opening the menu
- **Menù**:
    - The main menu allows you to:
        - Open the **Preset List**.
        - Access the **MIDI PC** function, useful for configuring MIDI commands..
- **Save button**:

- Use the **Save** button to:
  - Save changes to the current preset.
  - Create a **new preset** with customized parameters.

- **Main Parameters (GATE, COMP, MOD, DRIVE, AMP, EQ, IR, MOD, DELAY, REVERB, MASTER)**
  - Each parameter has **factory-default values**.
  - Selecting an option allows you to modify parameters according to your needs..
  - To navigate through the menu, simply swipe horizontally on the screen.

12.4 Main Buttons & Functions

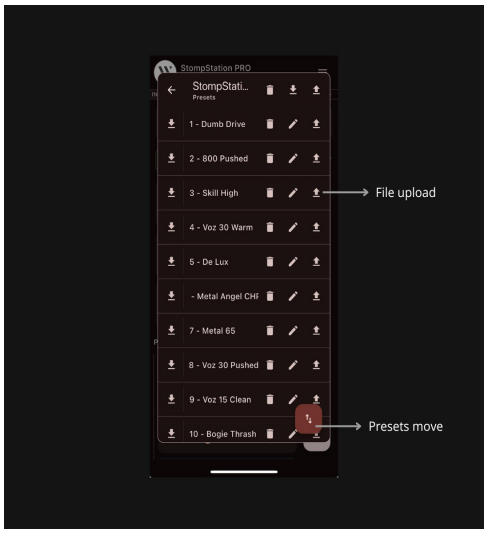
- **Settings Button (top right corner):**
  - Pressing this button allows you to choose between different configuration modes:
    1. **Application**: Modify the pedal's main parameters (as described above).
    2. **Setting**: access to:
       - Tuner: ON-OFF.
       - Input settings.
       - MIDI Address
    3. **Device Info**
    4. **Wifi Connectivity:** Configure Wi-Fi parameters.
    5. **Licensing info:**
    6. **Security**: Set a security password for the pedal (recommended)

12.5 Loading and upload NAM or IR Files

To load a NAM file, select the "**Amp**" option from the "**Application**" menu. Press the select button (three dots) in "**Model**", and a list of 16 factory preset models will appear. To modify one, you can either delete or replace it by following these steps.

Loading Procedure

1. Open the Preset menu.
2. Select Open List.
3. Upload a NAM file from the device’s memory..



IR files can be loaded using the same procedure, but selecting "IR" from the "Application" menu instead.

13. MIDI Specifications

StompStation PRO offers a wide range of MIDI integration possibilities, allowing users to control presets, effects, and parameters in real time via MIDI messages. Below are the specifications for various types of supported MIDI messages.

13.1 MIDI Program Change (PC)

With MIDI PC messages, you can recall specific presets. In the app, by accessing the *Preset* parameter, clicking the three dots, and selecting *MIDI PC*, a window will open where you can map MIDI PC messages to the desired presets. This allows you to quickly and easily call up presets during a performance or recording session.

13.2 MIDI Control Change (CC)

MIDI CC messages enable you to turn specific effects or features of StompStation on or off. The value of the CC message determines the state of the effect or feature:
From 0 to 63: the effect/feature is disabled.
From 64 to 127: the effect/feature is enabled.

The following MIDI CC controls are supported:

MIDI CC 1 - Drive ON/OFF
MIDI CC 2 – Modulation PRE ON/OFF
MIDI CC 3 - Amp Engine ON/OFF
MIDI CC 4 - IR Loader ON/OFF
MIDI CC 5 - Reverb ON/OFF
MIDI CC 6 - Modulations POST ON/OFF
MIDI CC 7 - Tremolo ON/OFF
MIDI CC 8 - Compressor ON/OFF
MIDI CC 9 - Noise Gate ON/OFF
MIDI CC 10 - Delay ON/OFF
MIDI CC 11 - Tuner ON/OFF

PARAMETER	CONTROL CHANGE #	VALUE
Drive	1	ON: 0-63 / OFF: 64-127
Modulation PRE ON/OFF	2	ON: 0-63 / OFF: 64-127
Amp Engine ON/OFF	3	ON: 0-63 / OFF: 64-127
IR Loader	4	ON: 0-63 / OFF: 64-127
Reverb	5	ON: 0-63 / OFF: 64-127
Modulations	6	ON: 0-63 / OFF: 64-127
Tremolo	7	ON: 0-63 / OFF: 64-127
Compressor	8	ON: 0-63 / OFF: 64-127
Noise Gate	9	ON: 0-63 / OFF: 64-127
Delay	10	ON: 0-63 / OFF: 64-127
Tuner	11	ON: 0-63 / OFF: 64-127

These MIDI messages allow for detailed control over effects and features, enhancing the user's interaction with StompStation during performances.

13.3 MIDI Tempo

The Global Tempo and Preset Tempo parameters in StompStation are synchronized with MIDI CLOCK. When the MIDI CLOCK is active, the machine automatically updates the tempo estimate every two seconds, maintaining synchronization with the MIDI signal. This allows for precise control of the tempo and real-time changes, essential for live performances or recording sessions.

14. Maintenance & Cleaning

- **Cleaning:** Use a soft, dry cloth. Do not use solvents or sprays.
- **Protection:** Avoid exposure to extreme temperatures, humidity, or dust.
- **Firmware Updates:** Check regularly for new updates on our website.

15. Troubleshooting

Issue	Possible Cause	Solution
No sound	Faulty connection	Check cables and power supply
Bluetooth not working	Lost connection	Restart Bluetooth on the device
Effects not active	Incorrect settings	Check parameters in the app
Connection lost between StompStation and App	Device too far	Reduce distance or check Bluetooth/Wi-Fi connection

16. Technical Specifications

- **Power Supply**: 9V DC, 1000 mA or USB-C 5V, 1000mA
- **Connectors**: Ingresso e Uscita Jack 6,35 mm, MIDI Out, USB-C
- **Connectivity**: Bluetooth, Wi-Fi, compatibile con iOS e Android
- **Analog Converters**: 192kHz/32bit 117dB Burr-Brown™ dynamic range
- **Input Impedance**: 1 MΩ
- **Input Range**: 14dBu
- **Output Range**: 14dBu
- **Output Impedance**: 600Ω
- **Chassis**: AISI 304 Stainless Steel
- **Weight**: 600 g
- **Dimensions**: 180mm x 85mm x 30mm (180mm x 85mm x 47mm including footswitch height)

Minimum system requirements for the VoidX Control app:
iOS 13 (Yukon)
macOS 10.15 (Catalina)
Windows 10/11
Android 7.0

17. Safety Warnings

- **To prevent damage:** Use only a compatible power adapter (9V DC, 1000 mA).
- **Handle with care:** Avoid drops and impacts..
- **Do not open the device:** The pedal contains no user-serviceable parts..
- **Keep away from moisture and dust:** The pedal is designed for dry, protected environments.
- **Not expose directly over the sunlight**

Important Notes

- This product is not a toy: Keep out of reach of children.
- Choking hazard: The pedal or its accessories (such as cables or connectors) may contain small parts that pose a choking risk.
- Not for children: This device is designed for use only by adults or experienced users.
- Mandatory supervision: If children are present, ensure the pedal is stored in a safe and inaccessible place..
- **WEEE Directive Compliance**: This device is subject to the WEEE Directive. Do not dispose of it with regular household waste. Take it to an authorized collection point for recycling.

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