SONULAB

User Manual

StompStation

Version 3.0

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

Thank you for purchasing the StompStation pedal. This pedal offers a wide range of effects and amplifier simulations, with advanced options such as Wi-Fi®, Bluetooth®, MIDI control, and a dedicated app for iOS® and Android® for complete and intuitive function management.

2. Package Contents

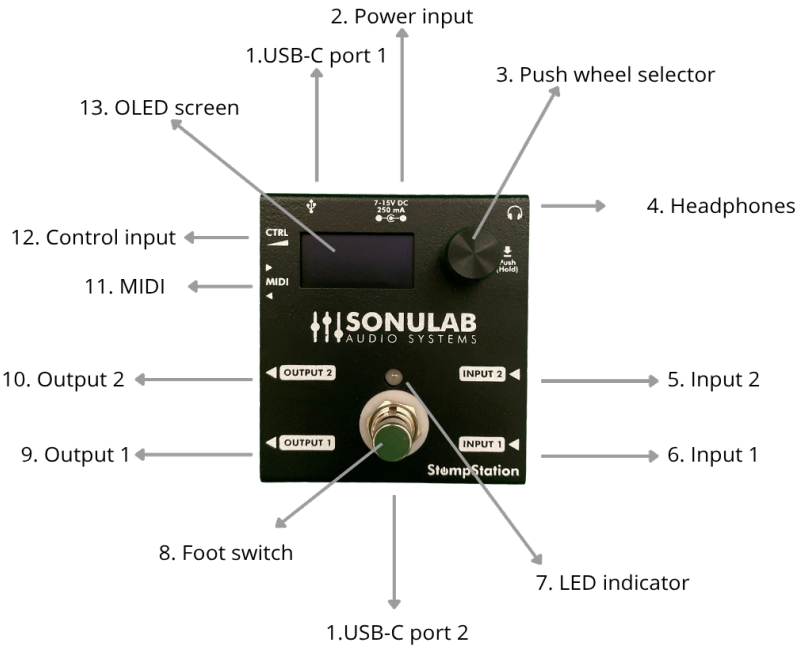
- StompStation Pedal

3. Pedal Features

3.1 Main Features

- **Included effects**: amplifier simulation, reverb, distortion, modulations.
- **NAM amplifier simulator via its own file conversion**.
- **Effect Parameters**: each effect can be adjusted using dedicated knobs for intensity, tone, and level.
- **Dedicated app**: remote control, preset saving, firmware updates.
- **Connectivity**:
    - Bluetooth and Wi-Fi for management via iOS/Android app.
    - USB-C port for PC connection and firmware updates.
    - MIDI output for control with external MIDI devices.

3.2 Stompstation Description



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

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

• **Footswitch**: BYPASS or A/B switch between presets (See Footswitch Mode in Settings). Long Footswitch push activates the TUNER.

• **RGB LED**: the LED is OFF when the pedal is bypassed, its color may depend on the selected preset in Footswitch A/B Mode.

• **HEADPHONES** TRS 3.5mm OUT: 300mW on 32Ω.

• **INPUT DC PLUG** (7-15V 250mA), center-negative.

• **USB-C Port 1**: Powering, PC/Mac connection, Firmware Update.

• **USB-C Port 2**: Powering, 32bit 2in-2out USB Audio Interface.

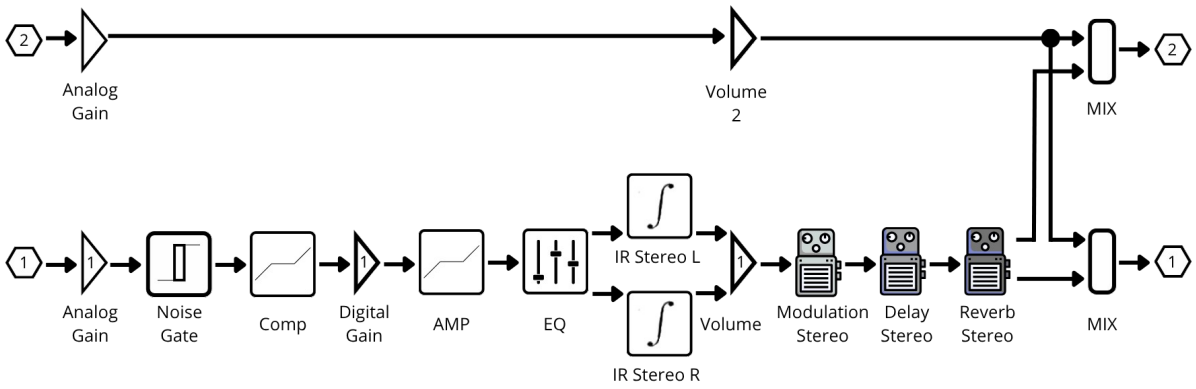
• **MIDI IN & OUT/THRU**: TRS 3.5mm Type A.

• **External Control**: TRS 3.5mm.

• **OLED DISPLAY** and **KNOB** for a complete on-board interface.

4. Signal flow

The following flow chart shows the DSP audio signal flow.



5. Installation and Setup

5.1 Power Supply

1. Connect the pedal to a power outlet using a 7-15V DC power adapter with negative internal polarity (250 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.

5.2 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.

5.3 Connecting to the Mobile App

1. Download the VoidX-Control app from the App Store or Google Play.
2. Enable Bluetooth on your mobile device.

3. Open the app and select the StompStation pedal from the available devices to connect.

6. Using the Pedal

Startup and Main Screen Overview

Once connected to the power supply (see section 4.1 for connection details), the pedal is ready to use. The main screen displays the following information:

1. **Loaded App**: At the top of the screen, the currently loaded app on the pedal is displayed (see image 2, item 1);
2. **Active Preset:** The center of the screen shows the currently selected and active preset (see image 2, item 2). If multiple presets are available, you can switch between them by turning the knob to scroll through the available options;
3. **Power Parameters:** The bottom of the screen displays the input and output power levels (see image 2, items 3).
4. Tap Tempo Screen

Accessing the Main Menu

To access the main menu, press the knob (see image 2, item 5).

Main Menu Structure

The following parameters are listed on the main menu in this order:

- **Enable**: Activate or deactivate the main functions.
- **Preset**: Manage available presets.
- **Gate**: Adjust the noise gate.
- **Comp**: Compressor setting.
- **Amp**: Amplifier configuration.
- **Eq**: Equalization controls.
- **IR**: Impulse Response selection and management
- **Mod**: Modulation settings, Chorus, Flanger, Phaser.

- **Delay**: Delay settings.
- **Reverb**: Reverb effect adjustments.
- **Master:** Output signal settings and Global TEMPO setting.
- **Preset Specific**: Preset Level setting and Preset Tempo setting.
- **Back**: Return to the previous or main screen

6.1 Quick Menu

The Quick Menu provides direct access to the main functions of the device. It allows you to quickly perform common operations without navigating through full menu.

6.1.1 How to Access the Quick Menu

From the main screen, press and hold the knob until the Quick Menu appears.

Once opened, the Quick Menu will display the following options:

- Gain
- Low
- Mid
- Treble
- Volume
- Aux Volume

6.1.2 Adjusting Parameters in the Quick Menu

1. Navigate through the options using the knob.
2. To modify a parameter, highlight the desired option.
3. Press the knob to adjust the parameter value.
4. Once adjusted, release the knob to return to the Quick Menu automatically.

6.1.3 Exiting the Quick Menu

- After 10 seconds of inactivity, the device will automatically exit the Quick Menu and return to the main screen**.**
- Alternatively, you can manually exit by pressing the knob.

6.2 Menu Navigation and General Parameter Configuration

To access menu options, press the knob (see image 1, item 3). Rotating it allows you to select different modes and settings..

6.2.1 Enable

When **Enable** is set to **ON**, the status **LED** turns **on**. This parameter can also be controlled directly via the footswitch.

6.2.2 Preset

The pedal features **20 configurable presets**.

- **Accessing Presets: Select the Preset option to view the list of available presets**.
- **Editing a preset**:
    1. Press the knob on the desired preset.
    2. An editing screen will open, allowing you to assign a name to the preset.
    3. Use the knob to select letters on the screen.
    4. Once finished, select **Save** to store changes.
    5. To delete a preset, select **Del** and press to confirm.
    6. To go back, select **Back**.
    7. **Shift** allows uppercase letters to be enabled.

6.2.3 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.

6.2.4 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%

6.2.5 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.
- **Bright**: Adds brightness to the signal by emphasizing high frequencies.

Select Back to return to the main menu.

6.2.6 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 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.

6.2.7 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.

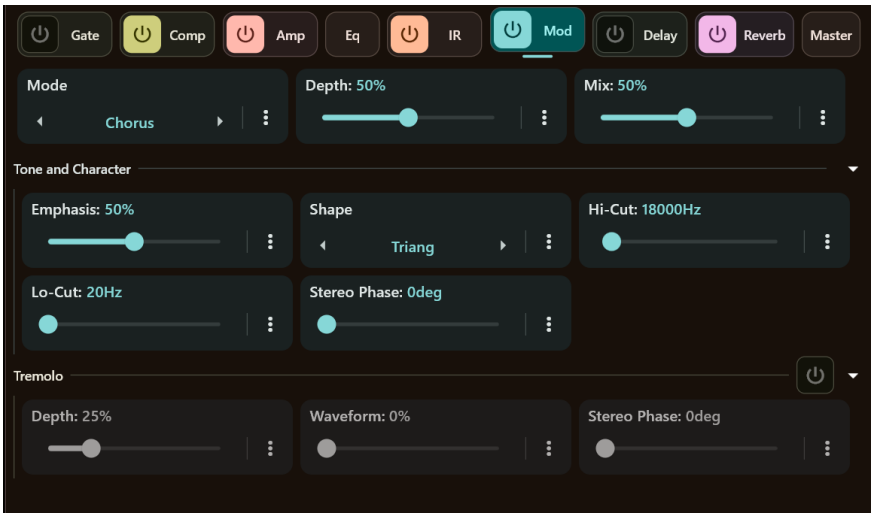
6.2.8 IR (Impulse Response) STEREO

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.

6.2.9 Mod (Modulation - Stereo)

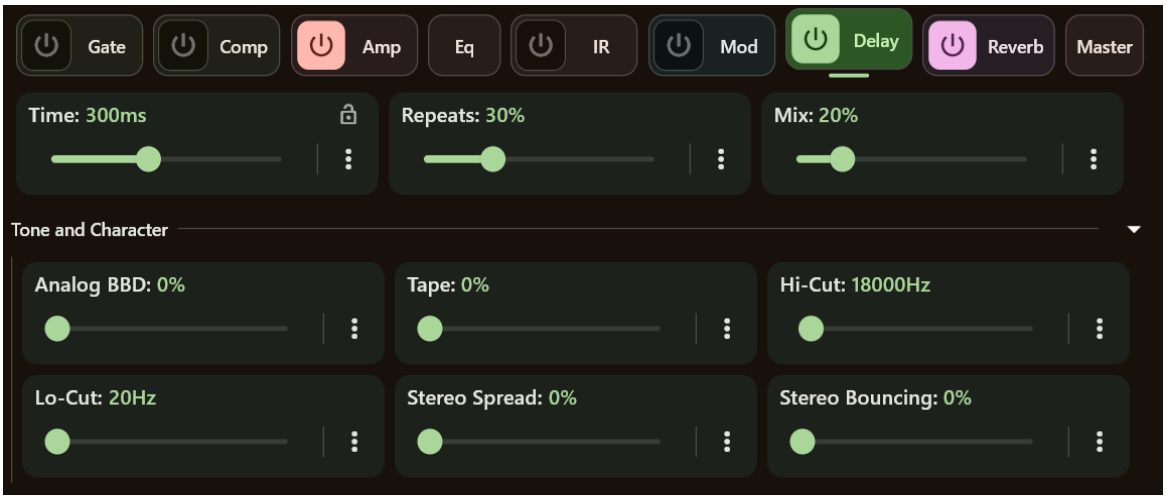
Stereo Modulations Engine, featuring Chorus/Flanger/Phaser + Tremolo, all natively stereo. Easily dial in everything from classic chorus and lush atmospheres to '80s flanging, jet-engine effects, subtle to pronounced phasing, and smooth to deep gating tremolos



- **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.

6.2.10 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**: Activates ping-pong-style delays that alternate between the left and right channels for dynamic stereo movement.

New Delay Parameters

Two optional parameters have been added to the **Delay block**.

These parameters are **disabled by default** and can be activated by clicking the **power icon** next to the parameter.

Modulation

The **Modulation** parameter adds modulation to the delay signal, creating a wider and more dynamic effect. This can simulate subtle pitch variations typical of analog or tape delays.

When enabled, additional parameters can be adjusted to control the depth and character of the modulation.

Dual Delay

The **Dual Delay** parameter activates a second independent delay line, allowing the creation of more complex rhythmic patterns or wider stereo effects.

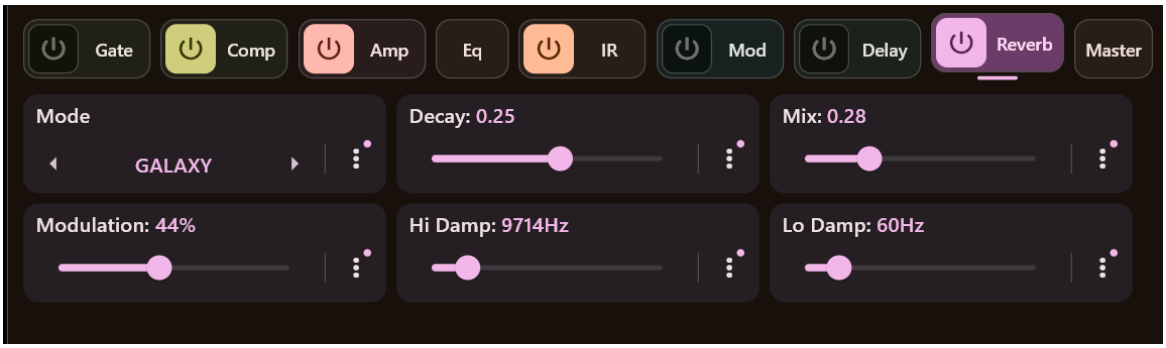
When enabled, the Delay block processes two separate delay signals that can be combined for a richer spatial effect.

6.2.11 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.

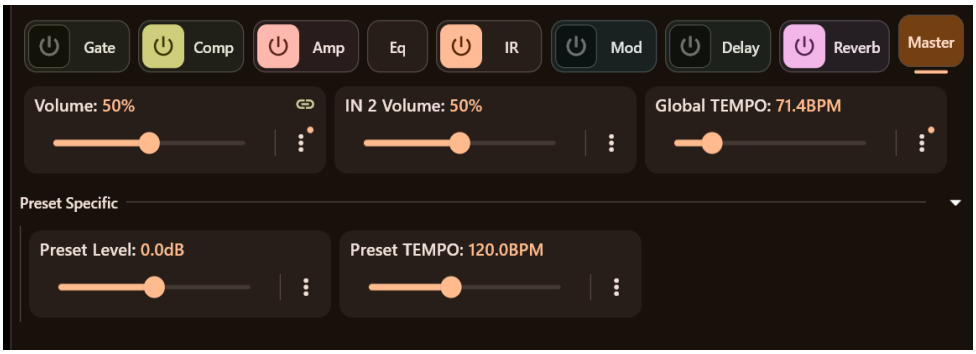


In addition to the previously described parameters, the following advanced settings are available:

- **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.

6.2.12 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.

Controller configuration is 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.

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 control **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:

- **Minimum value**
- **Maximum value**

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.

6.3 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.

6.3.1 Setting

Within the Setting menu, the following options are available:

- **Tuner:** Accesses the integrated tuner
- **Footswitch**: Configures footswitch behavior.
- **Input**: Adjusts signal input settings.
- **Misc:**
- **Back**: Returns to the previous menu.

Footswitch

The **Footswitch** menu allows you to configure the behavior and settings of the foot switch. The available options include:

- **Mode**:
    - **Bypass**: The foot switch activates/deactivates the effect..
    - **A/B**: Allows switching between two configured presets (A and B).
- **Status**: Defines the status of the presets:
    - **A/On**: Preset A is active.
    - **B/Off**: Preset B is inactive.
- **Preset A**: Assigns a numbered preset (from 1 to 16) to channel A.
- **Preset A Color**: Configures the color associated with Preset A by adjusting the R, G, and B parameters (red, green, blue)

- **Preset B**: Assigns a numbered preset (from 1 to 16) to channel B.
- **Preset B Color**: Configures the color associated with Preset B by adjusting the R, G, and B parameters (red, green, blue).
- **Back**: Returns to the previous menu.

Input

StompStation 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 Analog Pad**:
  Allows you to **boost the analog input signal** before digital conversion. This is useful for instruments with weaker output or when you want to push the input harder.
  Available settings:
  - **0 dB**: No gain (neutral setting)
  - **+6 dB**: Moderate gain boost
  - **+12 dB**: Strong gain boost for very low-output instruments

  Use with care to avoid unwanted clipping or distortion.
- **In 1 Digital Pgain (Pre-Gain)**:
  Adjusts the **gain of the signal after analog-to-digital conversion**.
  This helps to optimize the internal signal level for the digital effects chain, maintaining proper dynamics and a clean signal-to-noise ratio.

Input 2

- **In 2 Analog Pad**
- **In 2 Digital Pgain**

The same controls are available for Input 2, allowing balanced signal management for stereo setups, dual mono configurations, or multiple instruments with different output levels.

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

- Back: Returns to the Setting menu.

Tuner

The Tuner section allows you to manage the settings of the integrated tuner.

- 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 until it appears on the pedal's screen

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.
- **Home Timeout**:
  Determines the amount of time (in seconds) the screen waits before automatically returning to the main home view after inactivity.
  Useful for keeping the display clear and ready during live performance or editing.
- **Factory Reset**:
  Restores the unit to its original factory settings.
  Warning: This action will erase all user presets and custom configurations. Use with caution.

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

6.3.2 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 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.

7. Connections and Advanced Features

7.1 USB-C Connection

The USB-C port allows you to:

1. **Install updates:** By connecting the pedal to a computer, you can install firmware updates to improve functionality, add new apps, or fix potential bugs.
2. **Connect to external recording software**: Using the USB-C port, the pedal can be configured as an audio interface for direct recording on compatible DAWs (Digital Audio Workstations).

Note: To use the USB-C port, make sure to use a data **USB-C cable**. If the device is not recognized, check the type of cable being used.
You can control StompStation via the VoidX-Control app on a PC/Mac only when connected using the top USB-C port (Image 1, Point 1).

7.2 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.

7.3 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.

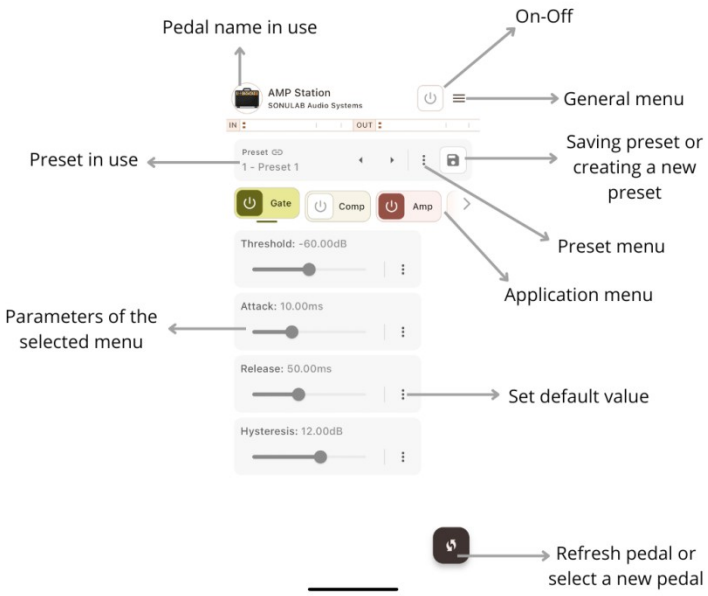
3. **Customize advanced parameters:** Access in-depth controls not available directly on the pedal**.**
4. **Perform backups and restores:** Save your current configurations and restore them if needed
5. **Remote control:** Connect the pedal via Wi-Fi or USB for real-time control through the app

8. 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.

8.1 Application Layout



8.2 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.

8.3 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, AMP, EQ, IR, REVERB, OUTPUT)**
    - 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.

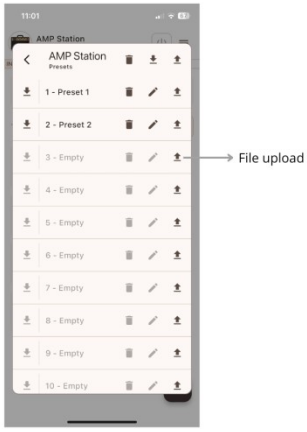
8.4 Main Buttons & Functions

- **Power Button**:
    - Located at the top of the screen, this button turns the pedal ON/OFF.
    - When the pedal is active, the central LED on the device lights up as a visual indicator.
- **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:
            - Footswitch function settings and LED color customization.
            - Input settings.
            - Tuner: ON-OFF.
            - MIDI Address
            - Factory Reset
        3. **USB Audio:** Select the audio interface
        4. **Device Info**
        5. **Wifi Connectivity:** Configure Wi-Fi parameters.

6. **Licensing info:**
7. **Security**: Set a security password for the pedal (recommended)

8.5 Loading and Converting 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 (see Image 4).
2. Select Open List.
3. Upload a NAM file from the device's memory..

The app will automatically convert the NAM file into the proprietary **Sonulab** format, making it compatible with the pedal.

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

9. Audio Interface

StompStation includes an audio interface. To use it, connect the lower USB-C port to a computer or another device.

10. MIDI Specifications

StompStation 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.

10.1 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.

10.2 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 - Global Bypass ON/OFF
MIDI CC 2 - Amp Engine ON/OFF
MIDI CC 3 - IR Loader ON/OFF
MIDI CC 4 - Reverb ON/OFF
MIDI CC 5 - Modulations ON/OFF
MIDI CC 6 - Tremolo ON/OFF
MIDI CC 7 - Compressor ON/OFF
MIDI CC 8 - Noise Gate ON/OFF
MIDI CC 9 - Delay ON/OFF
MIDI CC 10 - Tuner ON/OFF

PARAMETER	CONTROL CHANGE #	VALUE
Global Bypass	1	OFF: 0-63 / ON: 64-127

Amp Engine	2	OFF: 0-63 / ON: 64-127
IR Loader	3	OFF: 0-63 / ON: 64-127
Reverb	4	OFF: 0-63 / ON: 64-127
Modulations	5	OFF: 0-63 / ON: 64-127
Tremolo	6	OFF: 0-63 / ON: 64-127
Compressor	7	OFF: 0-63 / ON: 64-127
Noise Gate	8	OFF: 0-63 / ON: 64-127
Delay	9	OFF: 0-63 / ON: 64-127
Tuner	10	OFF: 0-63 / ON: 64-127

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

10.3 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.

11. 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.

12. Troubleshooting

Issue	Possible Cause	Solution
No sound	Faulty connection	Check cables and power supply
Bluetooth not working	Lost connection	

Issue	Possible Cause	Solution
		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

13. Technical Specifications

- **Power Supply**: 9V DC, 250 mA
- **Connectors**: Ingresso e Uscita Jack 6,35 mm, MIDI Out, USB-C
- **Connectivity**: Wi-Fi, compatibile con iOS e Android
- **Input Impedance**: 1 MΩ
- **Output Impedance**: 600Ω
- **Weight**: 270 g
- **Dimensions**: 75mm x 85mm x 30mm (75mm x 85mm x 47mm including footswitch height)

14. Safety Warnings

- **To prevent damage:** Use only a compatible power adapter (9V DC, 250 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.

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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SONULAB