

STREICHFETT

STRING SYNTHESIZER



USER MANUAL
for Plug-In & iOS Versions

waldorf

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Foreword

Thank you for purchasing our virtual **Streichfett String Synthesizer** instrument software.

By choosing a Waldorf product, you know this software has been developed carefully, in Germany, for the most exigent musicians. We hope you will have great fun and many creative / innovative ideas using it.

Reading this user manual, you will discover all the instrument features, learn its basic use in real situations, and benefits of tips & tricks we gathered during product development / quality checks.

Your Waldorf Team



In German, the name **Streichfett** is a play on words and refers on the one hand to the fat sound of classic String Machines and on the other hand to a delicious sandwich spread, preferably with Graftschafter Goldsaft beet purée.

Hint

Waldorf Music is not liable for any erroneous information contained in this quickstart manual. The contents of this manual may be updated at any time without prior notice. We made every effort to ensure the information herein is accurate and that the manual contains no contradictory information. Waldorf Music extends no liabilities in regard to this manual other than those required by local law.

This manual or any portion of it may not be reproduced in any form without the manufacturer's written consent.

Waldorf Music GmbH, Lilienthalstraße 7,
53424 Remagen, Germany

Plug-In & PadOS Version 1.0, June 2025

Why is **Streichfett** for iOS a separate product?

According to Apple's rules of distributing apps within their app store, the iPad/iPhone version has to be a separate commercial product from the **Streichfett** plug-in version for desktop and laptop computers.

Therefore the Streichfett iOS app can only be purchased via Apple's AppStore and is not linked to the license mechanism of the plug-in version.

Although Waldorf Music would see a potential benefit to its customers to have a combined product comprising macOS, Windows and iOS, it is simply not possible with Apple's current set-up of its App Store for iOS apps.

Waldorf Music has to live within this given business environment.

Nonetheless, Waldorf Music believes that the iOS version is a welcome addition and alternative to the desktop/laptop plug-in version.

Streichfett Plug-in Development Team

| | |
|--------------------|---|
| Software | Marcus Thoss, Oliver Rockstedt, Stefan Stenzel |
| GUI-Design: | Axel Hartmann, Marcus Thoss |
| Original Hardware: | Stefan Stenzel |
| Manual: | Holger Steinbrink |
| Manual Revision: | 2.0, July 2025 |

We would like to thank

Julia Bach, Evi Carroll, Claudio Chiriatti, Karsten Dubsch, Willie Eckl, Joachim Flor, Kevin Junk, Roger Keller, Jannik Lambert, Franz Oberhauser, Miroslav Pindus, Frank Schneider, Winfried Schuld, Michael von Garnier, Kurt 'Lu' Wangard, Rolf Wöhrmann, Haibin Wu and anyone we have forgotten.

Testing

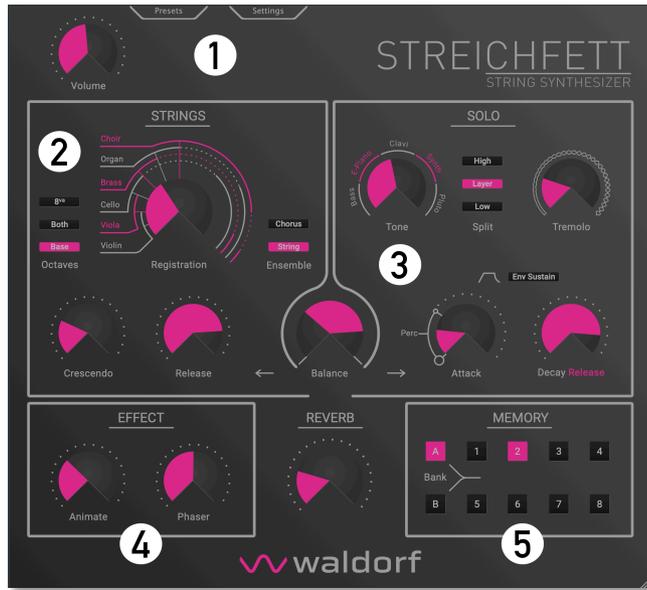
Klaus Baetz, Claudio Chiriatti, Stefan Eckhardt, Christian Gritzner, Jannik Lambert, Winfried Schuld



Please visit our website for further support and downloads for your Streichfett software:

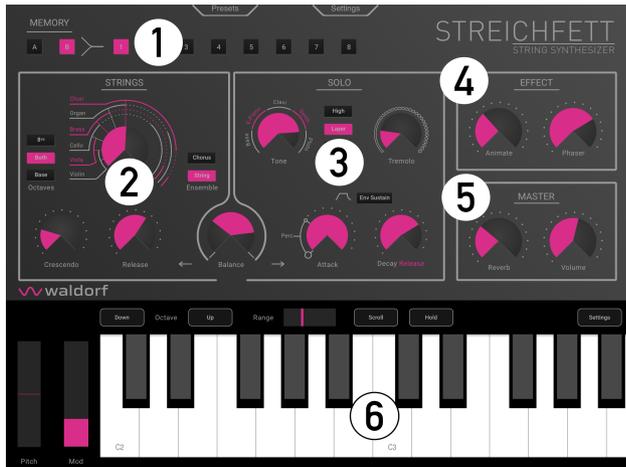
waldorfmusic.com

The Streichfett Plug-In



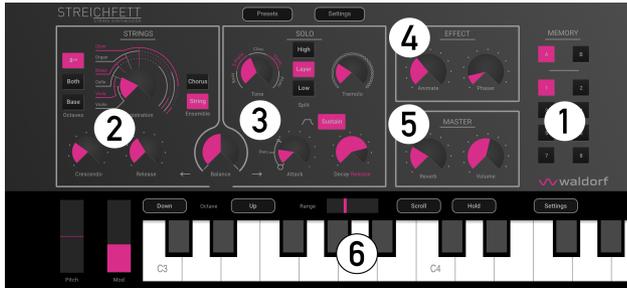
- ① Settings Section with Volume control
- ② Strings Section
- ③ Solo Section
- ④ Effect Section with Reverb
- ⑤ Memory Section

The Streichfett iPad App



- ① Memory Section
- ② Strings Section
- ③ Solo Section
- ④ Effect Section
- ⑤ Master Section
- ⑥ Keyboard with Option buttons

The Streichfett iPhone App



- ① Memory Section
- ② Strings Section
- ③ Solo Section
- ④ Effect Section
- ⑤ Master Section
- ⑥ Keyboard with Option buttons

About this Manual

This manual was written to help you to become familiar with the Streichfett software. It will also aid experienced users with routine tasks.

To avoid confusion, the terminology in this manual is based on the Streichfett parameter names. You will find a glossary at the end of this manual; it explains the various terms used.

We also used a uniform set of symbols to show you topics of particular interest or significance. Important terms are highlighted in bold letters.

Symbols



Caution – The comments that follow this symbol will help you avoid errors and malfunctions.



Info – Additional information on a given topic.



Instruction – Follow these guidelines to execute a desired function.

*** Example** – Real-world examples to try out.

Highlighted Control Features and Parameters

All of the Streichfett controls and parameters are highlighted in **bold** letters throughout the manual.

Examples:

- Press the **Chorus** button.
- Turn the **Registration** knob.

Streichfett Plug-in vs. iOS version

There are some small differences between both versions. We will specifically point this out in the appropriate chapters of this manual.

Installation & Authorisation

System Requirements for Windows

In order to be able to use Streichfett plug-in, you will need at least:

- PC with a Intel or AMD processor.
- Windows 10 or newer.
- VST 2.4 or VST3 compatible host application. This must be correctly installed on your computer.
- An AAX compatible host application. This must be correctly installed on your computer.

 Please also observe the system requirements of your host application!

 The Streichfett plug-in runs only within 64 bit host applications.

Installation under Windows

1. Refer to the folder where the downloaded Streichfett plug-in zip archive is located.
2. Double click on the archive file to extract it.

3. Double click on the Streichfett plug-in Installer icon. This launches a special installation program.

4. Follow the on-screen instructions.

 After installing Streichfett plug-in you will have to activate the program on your computer. Please refer to the chapter “Activation of Streichfett plug-in”.

System Requirements for macOS

In order to be able to use the Streichfett plug-in, you will need at least:

- Mac with Intel processor
or
Mac with Apple Silicon processor.
- macOS 10.14 or newer.
- VST 2.4 compatible host application or a VST3 compatible host application. This must be correctly installed on your computer.
or
- An AudioUnit 2.0 compatible host application. This must be correctly installed on your computer.
or

- An AAX compatible host application. This must be correctly installed on your computer.

 Please also observe the system requirements of your host application!

 The Streichfett plug-in runs only within 64 bit host applications.

Installation under macOS

Proceed as follows to install Streichfett plug-in:

1. Refer to the folder where the downloaded Streichfett plug-in zip archive is located.
2. Double click on the archive file to extract it.
3. Double click on the Streichfett plug-in Installer DMG icon. This launches a special installation program.
4. Follow the on-screen instructions.

 After installing Streichfett plug-in you will have to activate the program on your computer. Please refer to the next chapter „Activation of Streichfett plug-in“.

System Requirements for iOS App

In order to be able to use the Streichfett iOS version, you will need at least:

- Apple iPad or Apple iPhone
- Minimum iOS 12 / PadOS 12 or newer. We recommend iOS 16 / PadOS 16 or newer.

Activation of Streichfett Plug-In

The Streichfett plug-in uses a copy protection system based on the users email address as well as a personalized serial number.

Proceed as follows to activate Streichfett plug-in:

1. Start your host application.
2. Load the Streichfett plug-in plug-in as instrument in your DAW.
3. An input field occurs. In the upper field, please enter the email address that was used for purchasing Streichfett plug-in. In the lower field, please enter the 20 digit serial number which you have received with your purchase.
4. Click on the OK button to confirm your data. From now on, the Streichfett plug-in is authorized for this computer.



If you want to use Streichfett plug-in on other computers, please proceed in the same way as described above.



For the Streichfett iOS version, you do not need to perform any activation process.

Using Streichfett as an Instrument Plug-In

Streichfett comes as VST2/VST3, Audio Unit (AU) and AAX plug-in formats for use in all major DAW software such as Ableton Live, Cubase, Logic, Pro Tools, Bitwig, Studio One, and more. When using Streichfett as an instrument plug-in, all audio and MIDI device settings are handled by your host music software. Please refer to your host music software's documentation if you have any questions about loading or using instrument plug-ins.

Basic Operations

General Operation for Plug-In version

Streichfett plug-in has been optimized for a screen resolution of at least 1024x768 pixels. You can click-drag one of the resize handles at the upper left and lower right corners of the plug-in window to scale the Streichfett plug-in window to your desired size.

Streichfeld plug-in has various on-screen controls. The knobs can be moved with greater accuracy by holding down the CTRL (Windows) / CMD (macOS) key on your computer keyboard while moving your mouse. Double-clicking the corresponding knob resets the parameter to the default value. Mouse scroll wheel is supported for all continuous controls.

General Operation for iOS version

The Streichfett iOS version has been optimized for iPad, iPad Pro and iPhone / iPhone Pro screens.

You can double-tap on a parameter to set it to its default value. All knobs and buttons can be edited by tapping and moving with your finger.

The Virtual Keyboard (iOS version only)



The iOS version provides a virtual keyboard with 128 keys (from C-2 to G8). Tap on a key to hear the corresponding note. The vertical position of the initial touchdown of the key determines the velocity. Tap on the **Scroll** button above the keyboard to shift the keys to a higher or to a lower notes. Tap on the **Hold** button to hold a note after playing. This option is similar to the function of a sustain pedal.

Use the **Range** slider to zoom the keys horizontally. The minimal setting provides less keys, while the highest setting offers more but smaller keys.

The **Octave Down** and **Up** buttons allow you to transpose the keyboard by one octave for each tap.

Left to the keyboard you find two wheels. The **Pitch** wheel changes the tone pitch in semitones as determined with the **Pitch Bend Range** parameter in the **Settings** menu.

The **Mod** wheel controls the vibrato level and speed of Strings and Solo sections.

Tap on the **Settings** button to exchange the options and parameters above the keyboard, like this:



MIDI Input

Here, you can select any to your iPad / iPhone connected MIDI device (if available) to control the Streichfett. The default setting is *None* but you can select any desired device or *All* devices.

BT Connect

Tap on this button to open a window for connecting Blue-tooth MIDI devices to your Streichfett app. All available devices will shown in a list. Tap the name of the device you want to connect to confirm.

Velocity

Tap on this button to activate or deactivate the velocity function for the virtual keyboard. If activated, the button is highlighted and the keys send velocity data as explained before. If deactivated, the keys send a fixed velocity value which can be determined with the **Fixed Velocity** slider rightmost to the **Velocity** button.

The Streichfett Parameters

There are some differences in the layout of the controls between the plug-in and the iOS version. However, the basic functionality is always identical.

Volume

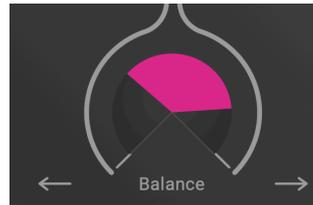


The **Volume** control determines the Streichfett's audio output. The audio output delivers the level returned into your DAW instrument track/iPad/iPhone audio output.

i In the iOS version, the Volume knob can be found in the Master section.

Balance

The sound engine of Streichfett consists of two parts: Strings and Solo, clearly labeled on the main page. **Balance** controls the mix of these two. The leftmost position selects the **Strings**



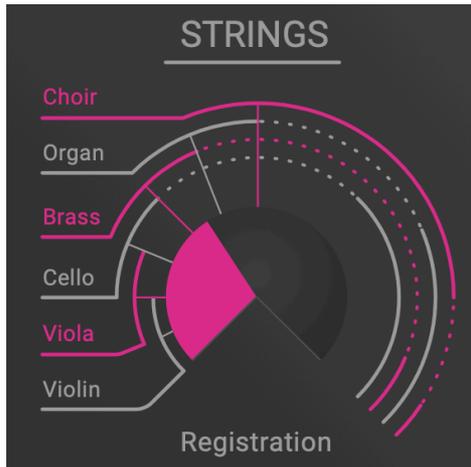
section only, while on the far right only the **Solo** section is audible. In the middle position, both Strings and Solo are mixed with full scale.

Strings Section

Here you find all controls regarding the Strings section.

Registration

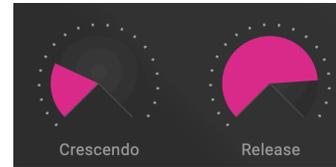
This is the oscillator bank, equalizer and formants setting for the sound of the Strings section. Moving this control morphs smoothly through Violin, Viola, Cello, Brass, Organ, Choir as well as combinations of the registrations.



Octaves Selection Buttons

This is the octave setting for the Strings. Three positions are available:

- **8^{va}**: One octave higher than Base octave.
- **Both**: Base octave mixed with the 8^{va} octave.
- **Base**: The regular octave setting.



Crescendo

This is the attack rate for the Strings envelope. We called it Crescendo to honour a well-known instrument.

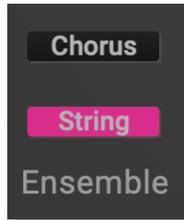
Release

The release rate for the Strings envelope. Sustain is always at 100%, so there is no need for a decay control.

Ensemble Buttons

Switches the Ensemble/Chorus effect for Strings on or off. This effect adds more depth and width to the sound. We recommend to always activate it for strings and choir sounds.

The ensemble effect is an advanced chorus effect which consists of three delay lines with different modulation speeds and phase shiftings.



Three modes for the Ensemble effect can be selected:

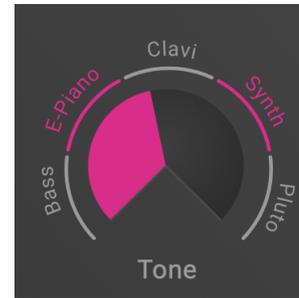
- Only **String** is activated: the classic string machine ensemble effect with LFOs at two different frequencies.
- **String + Chorus** are activated: Combination of string and chorus for maximum depth and width of the sound.
- Only **Chorus** is activated: The classic chorus effect with only one LFO.

Solo Section

Here you find all controls regarding the Solo section.

Tone

This is the sound setting for the Solo section. Moving this control blends smoothly through sounds named Bass, E-Piano, Clavi, Synth and Pluto. Note that sounds only have a faint resemblance to their names, which is common for the genre of String synthesizers.



Keep in mind that the Bass tone is played one octave lower than the other tones

Split Selection Buttons

These buttons allow to set a keyboard split for the Solo section. Three settings are available:

- **Low:** Only keys lower than the split key will sound. To set the Split key, open the **Settings** menu.
- **Layer:** Solo plays on all keys.
- **High:** Only keys higher or equal to the split key will sound. To set the Split key, open the **Settings** menu.



Attack

In addition the attack rate of the envelope, settings from leftmost to 10 o'clock position control how much of a percussive sound is added, each time a key is pressed.

Tremolo

This control adjusts both the rate and depth of the stereo tremolo effect.



Env Sustain Selector

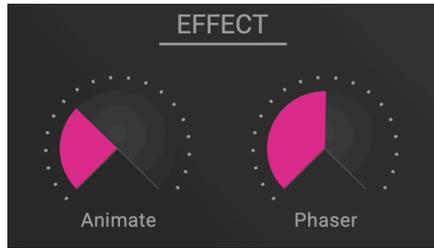
Controls envelope operation for the Solo section:

- When deactivated, the envelope has no sustain and decays immediately after the initial attack. This is perfect for clavinet or bass sounds.
- When activated, notes are held at full sustain level until keys are released.

Decay / Release

Decay or release rate for the envelope.

Effect Section



Animate

A Low Frequency Oscillator (LFO) modulates the Strings registration. Both depth and rate are controlled by the **Animate** control.

Phaser

Classic phase shifter effect. Feedback, depth and rate are adjustable with **Phaser** according to the most pleasing settings we could find.

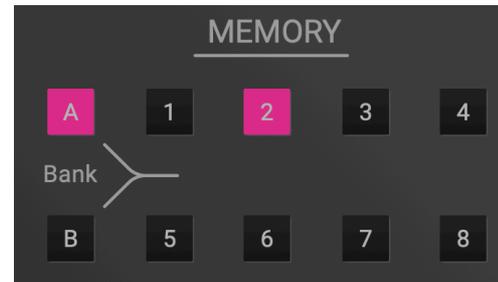
Reverb

Reverberation with adjustment of mix, size and dampening of the ambient room according to useful settings.

i In the iOS version, the Reverb knob can be found in the Master section.



Memory Section



Memory section of the Streichfett plug-in version

The Memory section offers 16 patches for fast preset accessing. Two banks of 8 sounds each are available.

For selecting a sound, switch to the desired **Bank** [A or B] and click on one of the buttons labeled 1 to 8 in order to access the corresponding sound.

For storing a sound, click/tap and hold any of the desired **Memory** button until its flashing once. After that, the current sound is saved to this location.

Additional Functions

Presets Menu

Click/tap on the **Presets** button to open the Presets menu with the following options.

A screenshot of a dark grey menu with white text. The menu items are: Save Edit Buffer, Load Edit Buffer, Save All, Load All, Reset to Factory Presets, About, Open Waldorf Website, and Show Manual. A horizontal line separates the top five items from the bottom three.

- Save Edit Buffer
- Load Edit Buffer
- Save All
- Load All
- Reset to Factory Presets
- About
- Open Waldorf Website
- Show Manual

Save Edit Buffer

This option saves the current sound edit buffer with all its settings to desired location on your computer drive or your corresponding iOS device memory location (iCloud Drive, Folder).

Load Edit Buffer

This option loads a saved sound edit buffer file from your computer drive or your corresponding iOS device memory location (iCloud Drive, Folder) into Streichfett.

Save All

This option saves all data (including the sounds on all memory slots) to desired location on your computer drive or your corresponding iOS device location (iCloud Drive, Folder).

Load All

This option loads a saved data file to desired location on your computer drive. Or your corresponding iOS device location (iCloud Drive, Folder).



Keep in mind, that this overwrites all sounds in the memory slots.



For the plug-in version, you can also use your DAW preset saving and loading options. For more information, please refer to the manual of your corresponding DAW.

Reset to Factory Presets

This option restores the original factory sounds in the memory slots. All user saved sounds will be overwritten.

About

Opens an "About box" window. Here, you can view the current Streichfett software version and your license status.

Open Waldorf Website

Opens your favorite web browser and directly navigates to our Waldorf Music company website (if your computer/iOS device is connected to the internet).

Show Manual

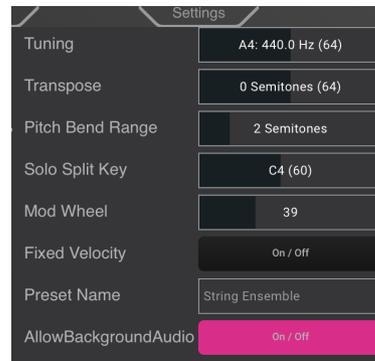
Opens your favorite web browser and directly navigates to the location of this PDF manual (if your computer/iOS device is connected to the internet).

Settings Menu

Click on the **Settings** button at the top of the software window to open the **Settings** pop-up window with the following options:



Setting menu Streichfett plug-in



Setting menu Streichfett for iOS

- **Tuning** controls the Streichfett's overall pitch. The value specified here is the reference pitch for MIDI note A4. The default setting is *440.0 Hz*, which is commonly used by most instruments.
- **Transpose** allows a global pitch transposition for the tone generator in semitones from *-12* to *+12* semitones.
- **Pitch Bend Range** determines the intensity of the pitchbend in semitones from *0* to *12* semitones.
- **Solo Split Key** sets the base key for the split mode.

- **Mod Wheel** shows the actual controller value for the modulation wheel. Here, you can also set the basic Mod wheel position for the current patch.
- **Fixed Velocity:** If activated (On), the velocity will be set automatically to maximum, regardless of which velocity is played.
- **Preset Name:** Shows the current selected preset name. Click/tap on the name to enter a desired preset name. Don't forget to save your preset after renaming it.
- **Allow Background Audio** (only for iOS version): If active, the Streichfett reacts on incoming MIDI data when the App is running in background. Use Background Audio when you want to work with another App while the Streichfett should keep on playing. Keep in mind: Running idle in background still consumes CPU and battery power. So, if you don't need it, switch it off.

settings are also restored. As soon as you move the Modulation wheel, this replaces the stored setting.



If you select the Pluto tone in the Solo section, which contains an additional vibrato, this is synchronized to the vibrato of the Modulation wheel.

Worth to know about the Modulation Wheel

The Modulation wheel controls the vibrato level and speed of Strings and Solo sections.

The state of the Modulation wheel is stored with the sound program. When you recall a sound program, the vibrato

Appendix

Sound Parameters

| Sound Control | Value Range |
|-------------------------|--|
| Volume | 0 ... 127 |
| Tune | 1 = 415.7 Hz...64 = 440.0 Hz...127 = 465,7 Hz |
| Transpose | 52 = -12 Semitones...64 = 0 Semitones...75 = +12 Semitones |
| Bend Range | 0 ... 12 Semitones |
| Fixed Velocity | On, Off |
| Strings Registration | 0 ... 127 |
| String Octaves | 0 = Base, 1 = Both, 2 = 8va |
| Strings Ensemble Effect | 0 = Strings, 1 = Strings + Chorus, 2 = Chorus |
| Strings Ensemble | On, Off |
| Strings Crescendo | 0 ... 127 |
| Strings Release | 0 ... 127 |
| Solo Tone | 0 ... 127 |
| Solo Tremolo | 0 ... 127 |
| Solo Split | 0 = Low, 1 = Layer, 2 = High |

| | |
|-----------------------|--|
| Solo Split Key | 12 ... 120 |
| Solo Sustain | On, Off |
| Solo Attack | 0 ... 127 |
| Solo Decay/Release | 0 ... 127 |
| Balance | 0 ... 127 |
| Animate | 0 ... 127 |
| Phaser | 0 ... 127 |
| Reverb | 0 ... 127 |
| Modulation Wheel | 0 ... 127 |
| Reset All Controllers | Resets Mod. Wheel, Sust. Pedal, Pitch Bend |
| Local Control | 0 = Off, 127 = On |
| All Notes Off | Releases all voices |

Streichfett Plug-In MIDI Implementation

I) Channel Voice Messages

Note OFF Message

Release a note played

Format: *8c nn vv*

Where:

c : MIDI channel (0 - 15)

nn : Note index (0 - 127)

vv : Release velocity (0 - 127)

Note ON Message

Trigger a new note

Format : *9c nn vv*

Where :

c : MIDI channel (0 - 15)

nn : Note index (0 - 127)

vv : Key on velocity (0 - 127)

Remark: If *vv* is 0, the message is equivalent to a Note off

Polyphonic Key Pressure

A specific key has been pressed down after Note-On.

Format : *Ac nn vv*

Where :

c : MIDI channel (0 - 15)

nn : Note index (0 - 127)

vv : Pressure value (0 - 127)

Channel Pressure Message

One or more keys have been pressed down after Note-On. A common pressure value for the MIDI channel.

Format : *Dc vv*

Where :

c : MIDI channel (0 - 15)

vv : Pressure value (0 - 127)

Pitch Bend Message

Temporarily alter the pitch

Format : *Ec ll mm*

Where :

c : MIDI channel (0 - 15)

ll : Pitch bend LSB

mm : Pitch bend MSB

II) Control Change Messages

Modulation Wheel

Format : *Bc 01h vv*

Where :

c : MIDI channel (0 - 15)

vv : wheel position

Damper Pedal (Sustain)

Format : *Bc 40h vv*

Where:

c : MIDI channel (0 - 15)

vv : 0 pedal is released

> 0 pedal is engaged

Channel Mode Messages

All Sound Off

The instrument sound is muted directly

Format : *Bc 78h 00h*

c : MIDI channel (0 - 15)

Reset All Controllers

Set all controllers to their default value

Format : *Bc 79h 00h*

c : MIDI channel (0 - 15)

All Notes Off

All playing notes are released

Format : *Bc 7Bh 00h*

c : MIDI channel (0 - 15)

Product Support

Any Questions?

If you have any questions about your Waldorf product, feel free to contact us. We're here to help.

① Visit our support page at our website. This is the most efficient and fastest way to contact us. Your questions will be forwarded immediately to the resident expert and you will quickly receive an answer.

support.waldorfmusic.com

② Send us a letter. It will take a bit longer, but it is just as dependable as an E-Mail.

Waldorf Music GmbH
Lilienthalstr. 7
53424 Remagen, Germany

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