

[www.Suonopuro.net](http://www.Suonopuro.net)



# Virtual Pan flute

For Electronic Wind Instruments, Keyboards or MIDI

Made by *Gino Chimenti*

# Manual

Virtual instrument for  **KONTAKT**

# INTRODUCTION

The **Super Pan Flute** by Suonopuro is a **virtual instrument** for NI Kontakt, emulating an ancient flute consisting of multiple pipes of gradually increasing length.

The pan flute is named after Pan, the Greek god of nature often depicted with such an instrument. In Greek mythology, **Syrinx** was a forest nymph. In her attempt to escape the affection of god **Pan** (a creature half goat and half man), she was transformed into a water-reed. Then, Pan cut several reeds, placed them in parallel one next to the other, and bound them together to make a melodic musical instrument. Ancient Greeks called this instrument Syrinx, in honour of the Muse, and Pan-pipes or Pan-flute, after Pan.

The Super Pan Flute is the **evolution** of the previous Suonopuro Pan-Flute. The **new algorithm**, with a **new interface**, takes full advantage of the sampled sounds of the previous library, allowing you to obtain a more realistic instrument that can be played more fluidly, expressively and intuitively.

The Super Pan Flute **simulates all the expressive possibilities of the instrument**: staccato, legato, glissando, crescendo, diminuendo, accentato, bending, etc. It also has a **wide dynamic and tonal range**, adjustable and controllable in many ways, and **an incredible five and a half octave range**. The **crescendo** and **diminuendo** are very natural, without earing overlapping notes.

The Super Pan Flute also has a **wide range of effects**, which transform the flute sound into something more modern: **brilliance effect**, **chorus**, **distortion**, adjustable **breath noise**, automatic **vibrato**, **flutter**, **stereophonic effect**, and more.

The Suonopuro Super Pan Flute is **designed to get the best**, in terms of expression and control, from **any kind of MIDI instrument**:

- **Electronic Wind Instruments** (Akai EWI, Roland Aerophone, Yamaha YDS, Berglund NuEVI, etc.);
- **MIDI strings** (Cantini MIDI violin, Zeta MIDI violin, etc.);
- **MIDI converters**, like the Sonuus i2M;
- **MIDI keyboards** (NI Komplete control, M-Audio Oxygen, etc.);
- **MIDI controllers** (TEC breath controller, MIDI expression pedal, Yamaha BC3, etc.).



# FEATURES

- 24bit/48kHz stereo sampling.
- A modern and complex algorithm for a very realistic sound.
- **The Perfect Crossfade:** transition from piano to forte and vice versa on **2 levels** without hear overlapping notes.
- **Editable Dynamic Controller and Range.**
- **Two monophonic modes** with **real time automatic recognizing of legato and staccato:** by dynamic controller or by keys.
- **Play on release mode:** when you release a note, the software plays the previous note still pressed.
- **Configurable legato mode** and **real time controlled glissando.**
- Playing **staccato**, **each new note is slightly different** from the previous one, with multiple and gradual gradients from soft to marcato.
- **Two parallel voices** at configurable intervals, **as used by Michael Brecker.**
- **Polyphonic mode** for polyphonic instruments and **sustain** or **hold 1<sup>st</sup> note** modes for monophonic instruments.
- **Bending technique**, which consists in starting a note with an ascending glissando, live controllable in duration.
- Release of notes with a descending (**Fall**) glissando that can be controlled in duration.
- **Automatic vibrato** and **flutter-tonguing** both configurable and controllable live.
- Easy to use **Chorus, Stereo, Compressor, Three-band equalizer, Convolution reverb, Distortion** and **Delay** effects.
- Adjustable and live controllable **breath noise.**
- **A Brilliance filter**, which boosts or cuts high frequencies dynamically.
- **Keyswitches** that can be also disabled and a **live options activator** to instantly switch from one configuration to another.
- **5 and a half octaves of range.**
- **Splitter by Suonopuro**, to split and layer many sounds across your keyboard or your MIDI instrument.

# SYSTEM REQUIREMENTS

- **A COMPUTER:** Windows or Mac or Maschine+ by Native Instruments.
- **NI KONTAKT 5.8.1 or higher FULL retail version (tested with Kontakt 7).** **It is NOT compatible with Kontakt Player.** You can open and run any patch of Super Pan Flute in Kontakt player just for 15 minutes. After that, the demo period of the player times out and you have to re-start and reload the library.
- **A MIDI CONTROLLER:** an Electronic Wind Instrument or a Keyboard or any kind of MIDI instrument.

# LICENSE AGREEMENT

Thank you for purchasing the Super Pan Flute by Suonopuro. By using this product, **you must accept this license agreement:**

1. Suonopuro Super Pan Flute is copyright ©2023 Gioacchino Chimenti, Don Mazzolari street, 1 Partinico (PA) Italy.  
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# INSTALLATION

- **Download and unzip** (unrar) the Super\_Pan\_Flute.rar file into a folder of your hard-drive, using the password that was notified.
- **Keep all data within said folder.** Do not move the audio files to another folder, otherwise Kontakt will search for files.
- **Launch Kontakt** 5.8.1 or a higher version.
- From the files tab of the Kontakt browser, find the folder where you unzipped the Super Pan Flute and **double click on the file you want to load.**
- **Select the desired channel and options, and play.**
- You can also **install as a library** with the standard procedure.
- If you are experiencing latency issues or unexpected glitches, please adjust the buffer size from the driver configuration menu of your sound card.

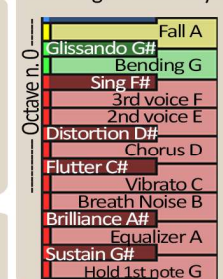
## The Suonopuro Super Pan Flute folder contains:

- **2 preconfigured files (.nki) for Electronic Wind Instruments** that work with the MIDI-CC2 whose name starts with **EWI** or **EVI** (Electronic Valve Instrument);
- **A preconfigured file for the Yamaha Digital Sax (YDS)** or other instruments that work with the MIDI-CC11.
- **2 preconfigured files for keyboard:** the first, whose name starts with **KEY**, whose dynamics are controlled by the force with which the keys are pressed, and the second, named **KEY+WHEEL**, whose dynamics are controlled by the modulation wheel;
- **An empty multi file (.nkm)** containing the **Suonopuro Splitter**, to split and layer many sounds across your MIDI instrument.

All instrument files are equal, share the same code and can be easily adapted to work with any MIDI instrument.





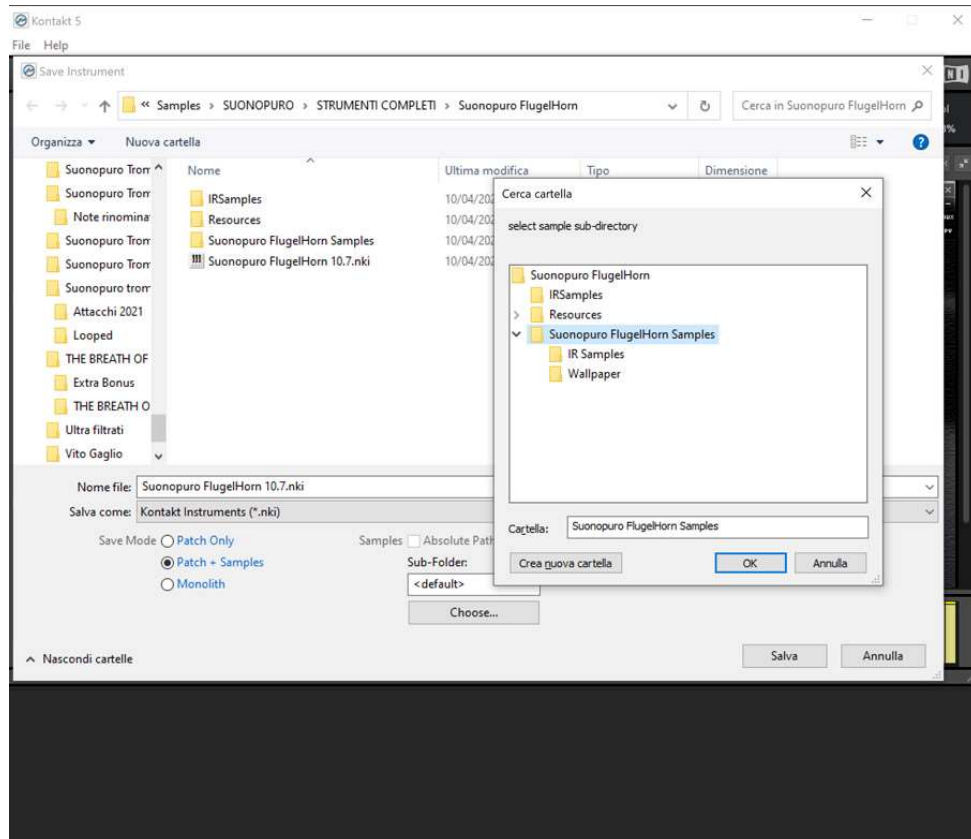




# HOW TO SAVE A CONFIGURATION

To save a customized file, please follow the instructions below:

1. Open the "Files" menu;
2. From "Save as..." select the file you want to save;
3. From the "Save in:" menu, select the "Suonopuro Super Pan Flute" folder. Do not change this folder, to avoid problems with convolution reverb files;
4. In the "Save Mode" box, select "patch + samples";
5. Select the "sample sub directory" by clicking the button "..." and selecting the folder "SP Pan Flute Samples", then click OK.
6. In "File Name", insert a name of your liking and save.



# HOW TO SETTING-UP ADDITIONAL CONTROLLERS

To assign any of Super Pan Flute's sliders or knobs to a certain MIDI controller:

1. Click the knob or slider you want to assign a MIDI controller to.
2. Select **Learn MIDI CC# Automation**.
3. Turn the knob or move the slider on your **MIDI hardware controller**. The control should pick up the movement instantly.

Alternatively:

1. In Kontakt's left browser, select **"Automation"** and then **"MIDI Automation"**.
2. Select a source from the list and drag it onto a knob whose parameter you want to automate.
3. With **"From %"** and **"To %"**, at the bottom of the pane, you can alter the scaling of the assignment so that the automation values are mapped to a limited range of the assigned parameter. For reverse operation, enter a value greater than To% on From%.



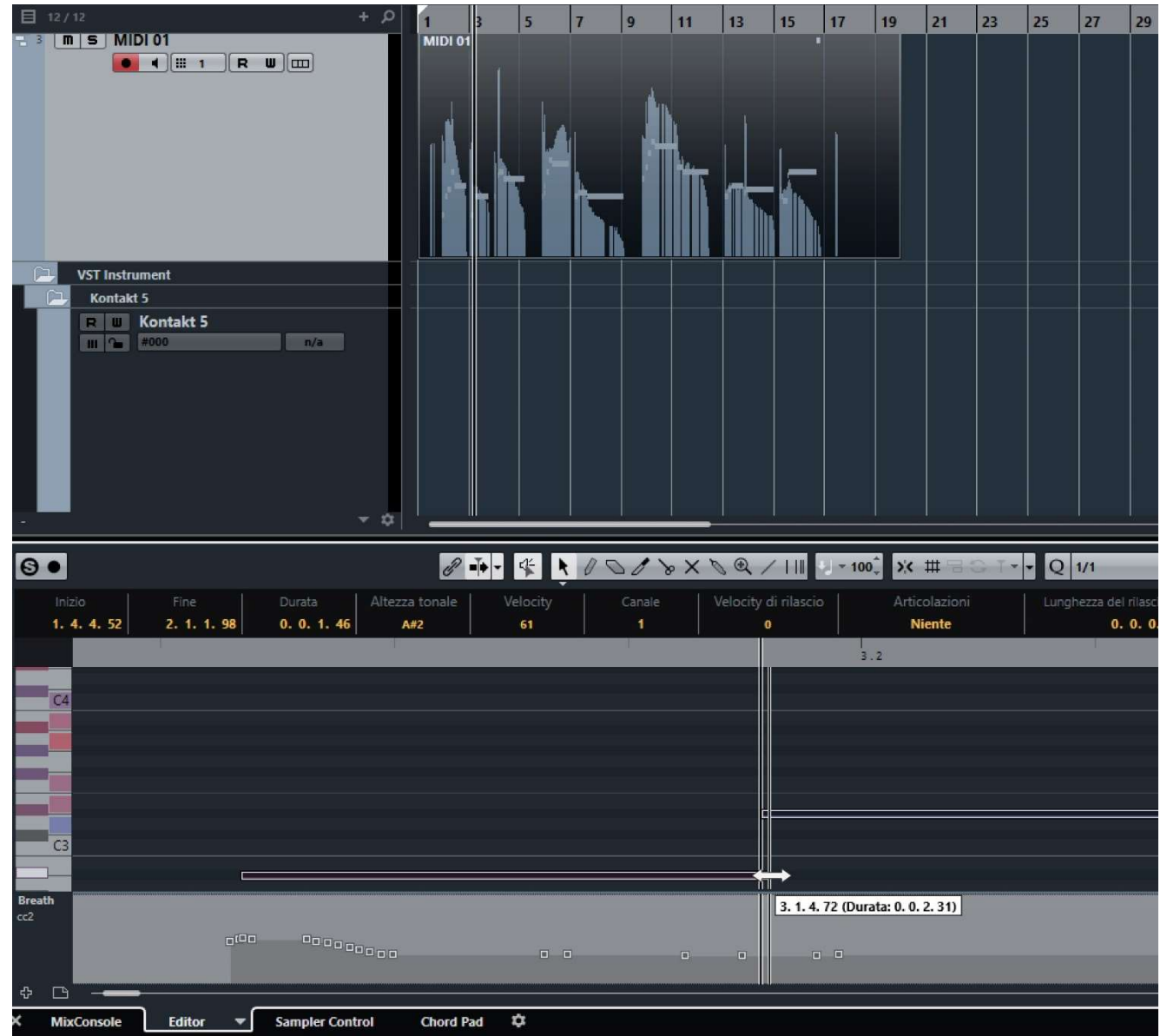
You can add additional MIDI controllers (CC#s) to the same KONTAKT knob. You can also assign multiple knobs or sliders to the same MIDI controller.



## HOW TO PLAY A MIDI TRACK CORRECTLY

If, after recording a part in MIDI, the ties are not reproduced correctly, proceed as follows:

1. Select the part and open it in the MIDI editor.
2. Select all (Ctrl A) and zoom in on the point where two tied notes meet.
3. Extend all the notes by dragging the end of the first tied note so that it slightly overlaps the second tied note.



# SUONOPURO SPLITTER

The Splitter by Suonopuro is a **multiscript** for Kontakt that allows you to **split and layer many sounds** across your keyboard or your MIDI instrument.

For instance, you could put a Super Duduk in the bottom half of the keyboard, and a Super Pan Flute in the right.



Instruction:

1. Load the first sound you want to use, and set it to channel 1;
2. Now choose the lowest and the highest notes of the range you want to use to play the instruments assigned to channel 1. You can do this in 2 ways:
  - a. By typing the lower and the upper note (from C-2 to G8) in the "**CH1 Low:**" and "**CH1 Up:**" text fields.
  - b. By clicking on the "**Learn CH1 range**" button and playing on your instrument first the lowest note and then the highest one of the desired range.
3. Transpose the instruments assigned to channel 1 with the appropriate knobs:
  - a. **CH1 OCT** changes the octaves, from -4 to +4
  - b. **CH1 ST** transposes by semitones, from -12 to +12
4. Do the same with the other sounds, up to channel 6; (leave or set your keyboard, or the MIDI instrument you use, to MIDI channel 1).