

www.Suonopuro.net



the synthesizers that shaped modern music

to get the best from your MIDI instrument

by *Gino Chimenti*

MANUAL

Sample Library for  **KONTAKT**

Introduction

"*Suonopuro Synth Collection*" is a set of **60 synth sounds for Kontakt**, fully editable and customizable:

- 30 patches that reproduce the sound of several legendary synthesizer solos, drawn from songs that have shaped the history of rock, pop and fusion;
- 30 patches specifically designed to cover the most common needs of any musician.

The Suonopuro Synth Collection is designed to get the best, in terms of expression and control, from any kind of MIDI instrument:

- Electronic Wind Instruments (Akai EWI, Yamaha WX5, Casio Zanzithophone, Roland Ae10g, Morrison Digital Trumpet, 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.).

Stop wasting time searching through thousands of useless sounds: few sounds but very recognizable and very well sounding.

Features

- **Editable Dynamic Controller and Range.**
- **2 monophonic modes** with **real time automatic recognizing of legato and staccato**: by dynamic controller and by keys.
- **Play on release mode**: when you release a note, the software plays the previous note still pressed.
- **Configurable legato time** and **real time controlled portamento**.
- **4 round robin staccato attacks** with multiple and gradual gradients from soft to marcato.
- **2 parallel voices** at configurable intervals, **as used by Michael Brecker**.
- **Polyphonic mode** for polyphonic instruments and **sustain or hold 1st note** modes for monophonic instruments.
- **Bending technique**.
- **Automatic vibrato** and **flutter-tonguing** both configurable and controllable live.
- **Chorus, Three-band equalizer, Convolution reverb**, easy to use **Distortion** and **Delay** effects.
- **Low Pass Filter**, configurable and live controllable.
- **Keyswitches** that can be disabled; **live options activator**; **customizable sound banks** to change sound via Program Change.
- **Splitter by Suonopuro**, to split and layer many sounds across your keyboard or your MIDI instrument.

List of synth solos that inspired us

SONG TITLE	ARTIST	YEAR	SYNTH
Pop-Corn	G. Kingsley	1969	Moog Modular
Lucky Man	Keith Emerson	1970	Moog Modular
Chameleon	Herbie Hancock	1973	ARP Odyssey
Shine on you crazy diamond	Pink Floyd	1975	MiniMoog
Oxygene Part IV	Jean M. Jarre	1976	EMS VCS 3
A remark you made	Joe Zawinul	1977	Arp2600
Birdland	Joe Zawinul	1977	MiniMoog
Amarsi un po'	Lucio Battisti	1977	MiniMoog
Sì viaggiare	Lucio Battisti	1977	MiniMoog
Hot stuff	Donna Summer	1979	?
Jazz carnival	Azymuth	1979	?
Are you going with me? (2 patches)	Pat Metheny	1981	Roland GR 300s
Chariots of fire	Vangelis	1981	Yamaha CS-80
Magnetic Fields Pt. 2	Jean M. Jarre	1981	Fairlight CMI
Sweet Dreams (2 patches)	Eurythmics	1982	Juno-6
Rockit	Herbie Hancock	1983	Rhodes Chroma
Claire's song	JellowJackets	1983	Lyricon
Nimbus	JellowJackets	1983	Lyricon
Jump	Van Halen	1984	Oberheim OB-Xa
Got a match?	Chick Corea El. B.	1986	Yamaha KX5/TX816's
The final countdown	Europe	1986	Roland JX-8P
Truth	T-Square	1987	Akai Ewi
Kingston Town	UB40	1990	Yamaha Wx7
Facing West	Mays/Metheny	1992	Kurzweil K2000
Boheme	Deep Forest	1995	?
Melody for Theremin	Lydia Kavina	97-29	Theremin
New Rochelle	Bob Mintzer	1997	Akai Ewi 4000s
Paradise	Coldplay	2011	?

System requirements

NI Kontakt 4.1.1 or higher FULL retail version. It is NOT compatible with Kontakt Player. You can open and run any patch of Suonopuro Synth Collection 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.

PC: Windows 7 or higher, Intel Core 2 Duo or AMD Athlon 64 X2, 2 GB RAM, **low latency audio driver.**

Mac: OS X 10.7 or 10.8 or higher, Intel Core 2 Duo, 2 GB RAM.

Any kind of **MIDI controller.**

License agreement

Thank you for purchasing the Suonopuro Synth Collection. By using this product, you must accept this license agreement:

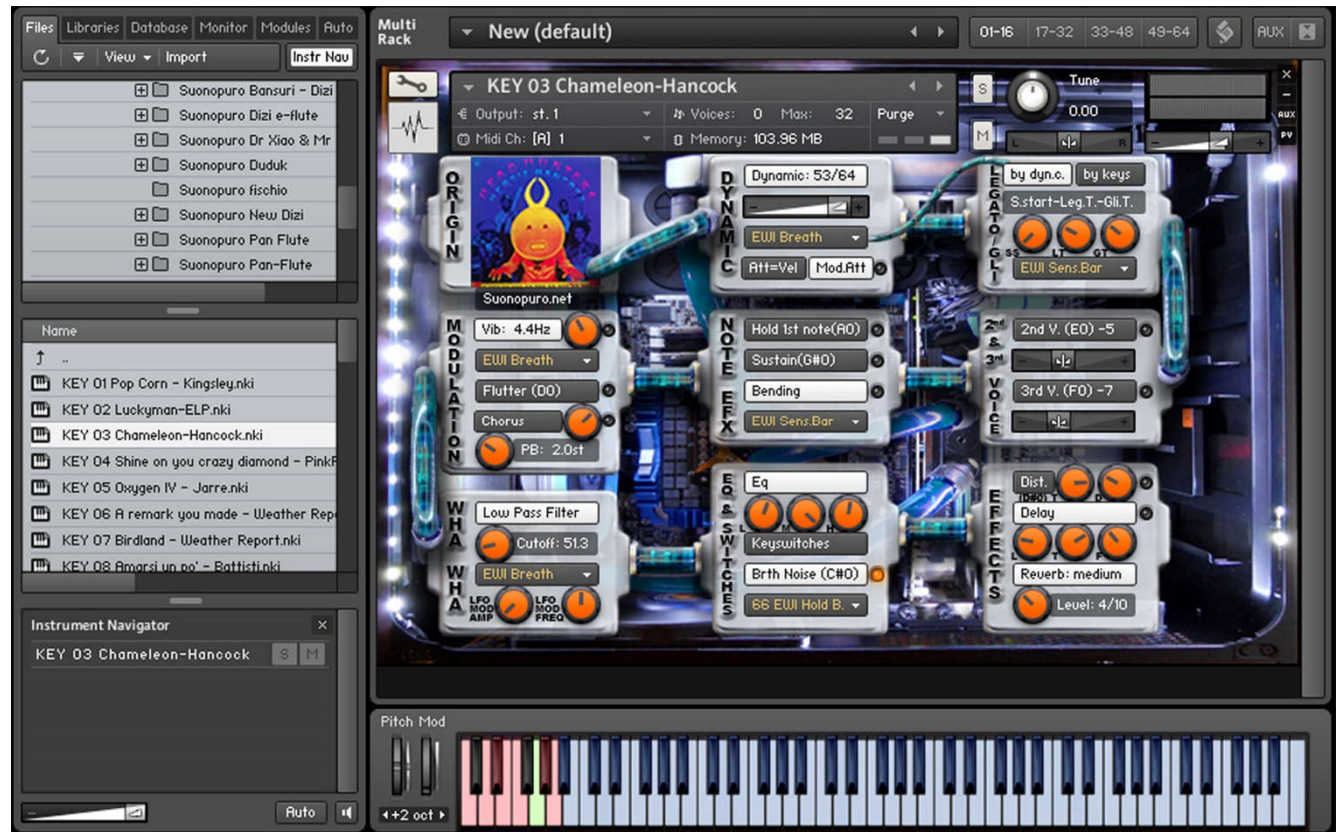
1. Suonopuro Synth Collection is copyright ©2018 Gioacchino Chimenti, via Don Mazzolari, 1 Partinico (PA) Italy.
It is licensed to you only for use as part of a musical performance, live, recorded or programmed. All rights reserved. Duplication other than for your own backup purposes is strictly prohibited. This software is licensed to one user only and cannot be sold, transferred, or used by any other party.
2. Please, take all reasonable steps to protect this product from unauthorized copying or use. The user does not have the right to upload files or samples of this product to any form of Peer-to-Peer Internet file sharing service.
3. This Agreement is effective from the time you received the product.
4. You may not rent, sell, lease, sublicense, distribute, transfer, copy (other than for your own backup purposes), reproduce, display, modify or time share the enclosed product or documentation. You may not resample and/or to create any form of sample library product with the samples of this creation.

Installation

- Download and unzip (unrar) the S_Synth_Collection.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 4.1.1 or a higher version.
- From the files tab of the Kontakt browser, find the folder where you unzipped the collection and double click on the file you want to load.
- Select the desired channel and options, and play.
- If you are experiencing latency issues or unexpected glitches, please adjust the buffer size from the driver configuration menu of your sound card.

The Synth Collection folder contains:

- **60 preconfigured files (.nki) for Electronic Wind Instruments** or monophonic (whose name starts with **WIND**);
- **60 preconfigured files for generic keyboards** (whose name starts with **KEY**);
- **4 banks (.nkb) for EWI** or monophonic instruments with 15 sounds each recalled by program change;
- **4 banks for Keyboards** with 15 sounds each recalled by program change;
- **One empty multi file (.nkm)** containing the **Suonopuro Splitter**, to split and layer many sounds across your MIDI instrument.



The **Dynamic Range Slider** defines the difference between pp and ff, from 0 = very compressed to 64 = very wide.

The **Dynamic Controller Menu** allows you to select how to control the dynamic, from pp to ff. You can choose any kind of MIDI controller, like the Breath Controller CC2, the Expression Pedal CC11, the Velocity (the speed of the key-press) or a fixed value.

Att=Vel button allows you to control the attack of the notes, from soft to marcato, by the speed of the key-press regardless of the dynamics controller.

Mod.Att. button changes the attack of each staccato note.

The **Origin** panel is just an image of the album containing the synthesizer solo that inspired this patch.

The **Vibrato Button** puts on a pitch and volume modulation controlled via the sensor selected in the **Modulation Controller Menu**.

The **Flutter Button** enables a flutter-tonguing style mode, also regulated via the sensor selected in the **Modulation Controller Menu**.

The **Vibrato Frequency Knob** adjusts the base frequency of the modulation.

The **Chorus Button** generates a detuned and modulated copy of the audio signal.

The **Chorus Depth Knob** adjusts the range of modulated detuning.

The **Pitch Bend Knob** sets the pitch wheel range, from 0 to ± 24 semitones.

This button activates a **Low Pass Filter** that attenuates signals with frequencies higher than the **Cutoff Frequency** adjustable with the knob and modulated with the **Controller** selected in the **Menu**. This is a very important setting because it can result in the cancellation of sound.

It is possible to modulate the cutoff frequency automatically. These two knobs set respectively the **Amplitude** and the **Frequency** of the automatic modulation.

Each of these two buttons activates the **Monophonic Mode**, which allows you to play in a more expressive way.

You can choose between **two ways to control the Legato/Staccato**:

1) by dynamic controller: if the selected dynamic controller sends a value greater than 0 then you will play legato, otherwise the sound stops and the next note will be detached. This mode is most suitable for wind or string MIDI instruments.

2) by keys: to play legato you must press the key of the next note in the sequence before the key of the previous note is released. This mode is the most suitable for keyboard instruments. If you release a note, the software will play the previous note that you are still pressing (**Play on release**).

The **Sample Start** knob changes the position from which the legato note sample will be played.

The **Legato Time** defines the glide time between 2 legato notes.

With the **Glide Controller Menu** you can choose how to activate and control the portamento, a pitch sliding from one note to another.

The **Glide Time** knob sets the portamento time.

2nd V. and 3rd V. Buttons activate, respectively, the second and the third parallel voice.

The **Interval Sliders** indicate, respectively, the intervals in semitones between the note you are playing and the notes of the second and the third voices. You can set them from -24 (2 octaves lower) to 24 (2 octaves upper).

Distortion Button causes distortion by clipping high sample values.

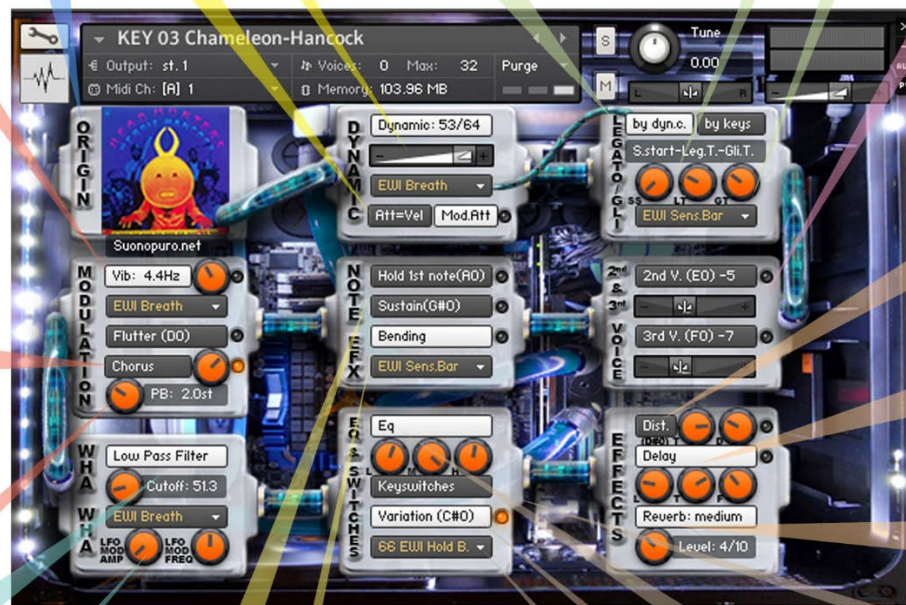
Tone Knob controls the brightness of the distorted sound.

Drive Knob adjusts the amount of distortion.

The **Delay Button** enables the delay effect with 3 adjustable parameters: **Level** (in dB), **Time** (in ms) and **Feedback** (in %).

With the **Reverb Button** you can activate and select a convolution reverb between **short**, **medium** or **long**.

The **Reverb Knob** adjusts the reverb level.



Hold 1st Note sustains the first note you play with a single breath.

The **Sustain Button** "sustains" all the notes you play with a single breath.

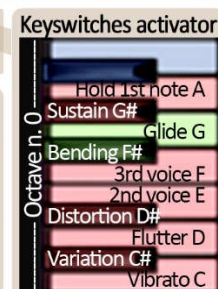
Warning: these two functions work only in Legato by dyn. c. mode with any controller other than the velocity.

The **Bending Button** enables an effect that starts the notes with a light initial glissando. This effect is activated via the controller selected in the **Bending Controller Menu** below.

This button enables a **three-band Equalizer system**, which divides the frequency bands into **L** (low range), **M** (middle range), and **H** (high range).

In some patches you can activate a **Variation** via this button.

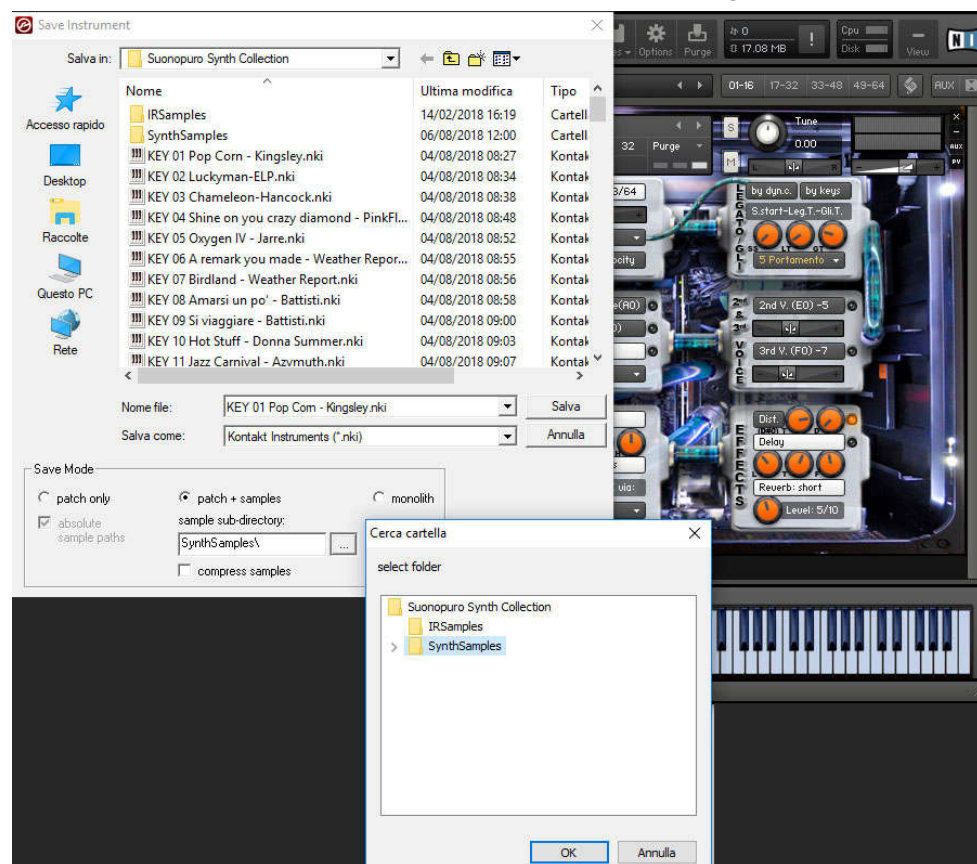
The **Activator Controller Menu** allows you to select which controller to use to activate the functions marked with . When the controller sends a value of 0, the marked functions are activated or deactivated. In this example, double clicking on the button will activate the chorus and the variation will be disabled.



How to save

To save a customized file or bank, 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 Synth Collection" 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 "SynthSamples", then click OK.
6. In "File Name", insert a name of your liking and save.



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 synth bass in the bottom half of the keyboard, and a lead synth layered with a pad 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).

Suonopuro Synth Collection Banks

An Instrument Bank allows you to combine up to 128 KONTAKT Instruments into one slot of your Rack. Only one of the Instruments in a Bank can be active at any time, and you can switch between them by sending MIDI program change messages. All Instruments in a Bank will share the same MIDI channel, Output Channel, maximum note count value, output and pan settings, and Aux send levels. You can adjust these settings in the Bank Header, which appears in the Rack and resembles an Instrument Header in structure.

The Synth Collection Banks contain just 15 instruments each, to avoid overloading the memory ram, but you can also load them all, if the memory of your computer allows it.

In order to add or modify Instruments to this Bank, click on the wrench icon at the left side of its header; this will open a list of 128 Instrument slots. Dragging an Instrument (.nki) file from the Browser into a slot of the Instrument Bank will load the Instrument into this slot. The number in the slot field indicates the program change number that will switch to this Instrument.

To edit an instrument you can double click on it.

To save a Suonopuro Synth bank, please follow the instructions on page 7.

