



Resonance: Emotional Mallets - Serum 2 · SFZ · WAV

An Impact Soundworks Instrument
for Serum 2 and .sfz compatible plugins

Instrument Version 1.0.0

Product Manual

Introduction

When we set out to create a new library built from custom, unique instruments, we were initially planning on just a few deep-sampled sounds. However, as the vision for Resonance became clearer, we decided that a whole collection of such deep-sampled instruments would be an incredible tool for all types of composers and producers working in any number of genres. As the recording sessions progressed, we constantly experimented with new techniques, mics and tools; each new sound we discovered was inspiring and had to be included.

As we combed through the recordings, we found that the wealth of sounds were ripe for further sound design. With the help of programmer and sound designer [Jain Morland](#), we took it upon ourselves to create a suite of versatile textures, ambiences, pads, basses, leads, impacts and percussion built from the original audio. As with our other libraries, we intended for Resonance to be immediately playable, useful and intuitive.

Resonance: Emotional Mallets - SFZ Version is a slightly slimmed-down version of the Kontakt instrument of the same name; we have included an easy-to-install Serum 2 preset pack with both natural and designed patches for all instruments, as well as .sfz files - compatible with all SFZ players. You also have the option of downloading all of the samples in WAV format as a separate folder.

Inspired by composers like Thomas Newman and Danny Elfman, we hope you will find the wide variety of timbres in Resonance to be as usable as they are inspiring.

— *The Team at Impact Soundworks*

Installation

The process of installing **Resonance: Emotional Mallets - SFZ Version** will differ slightly depending on what plugin you intend to use it with.

First, install [Pulse Downloader](#).

Open the Pulse Downloader app, and click the 'Add a Product' button. In the dialog box, paste in the Pulse product key you received in your order confirmation email; the format will look like this: xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx (containing only lowercase letters and numbers). Select an installation destination, and Pulse will download **Resonance: Emotional Mallets - SFZ Version**.

The Installation Folder Structure

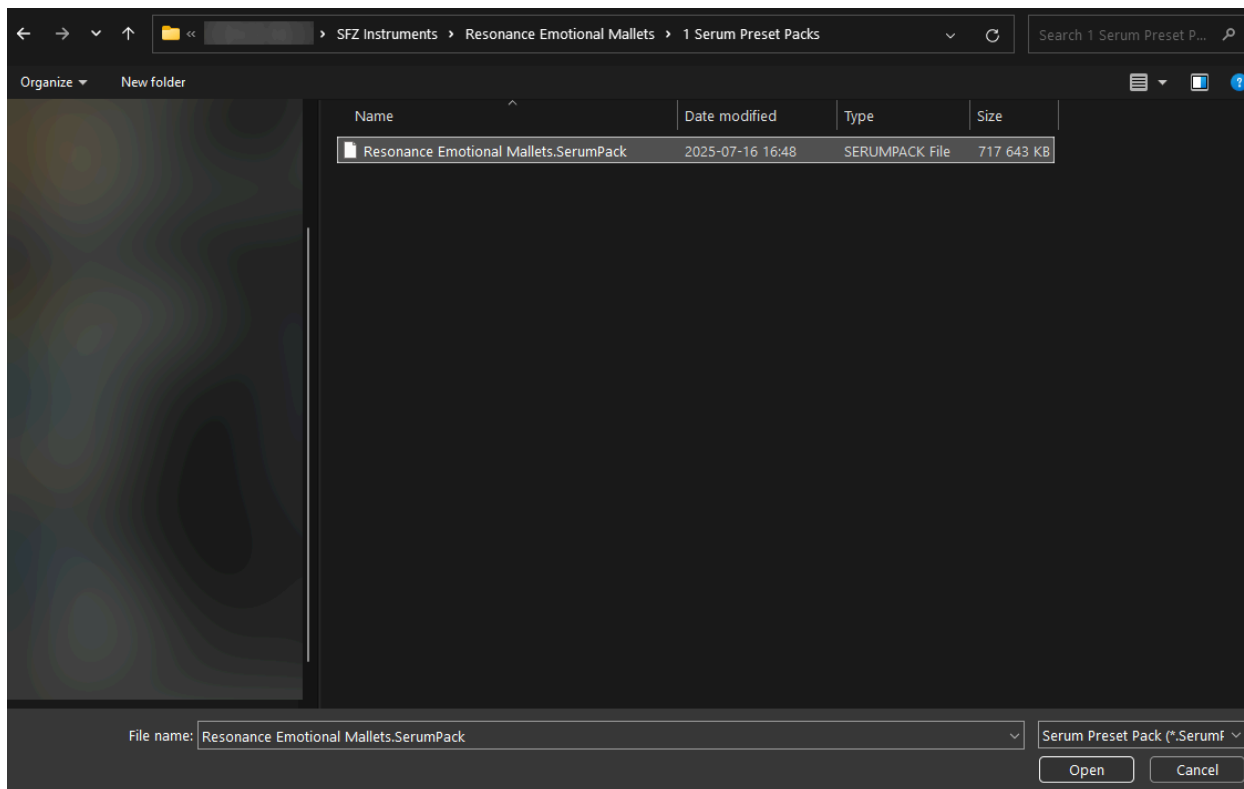
Inside the downloaded folder you will find three sub-folders: *1 Serum 2 Preset Pack*, *2 Sfzs + Samples* (which contains two sub-folders: *1 Sfzs* - which in turn contains two sub-folders: *Designed* and *Natural* - and *2 Samples*), and *3 Samples (WAV)*.

Serum 2 Preset Packs

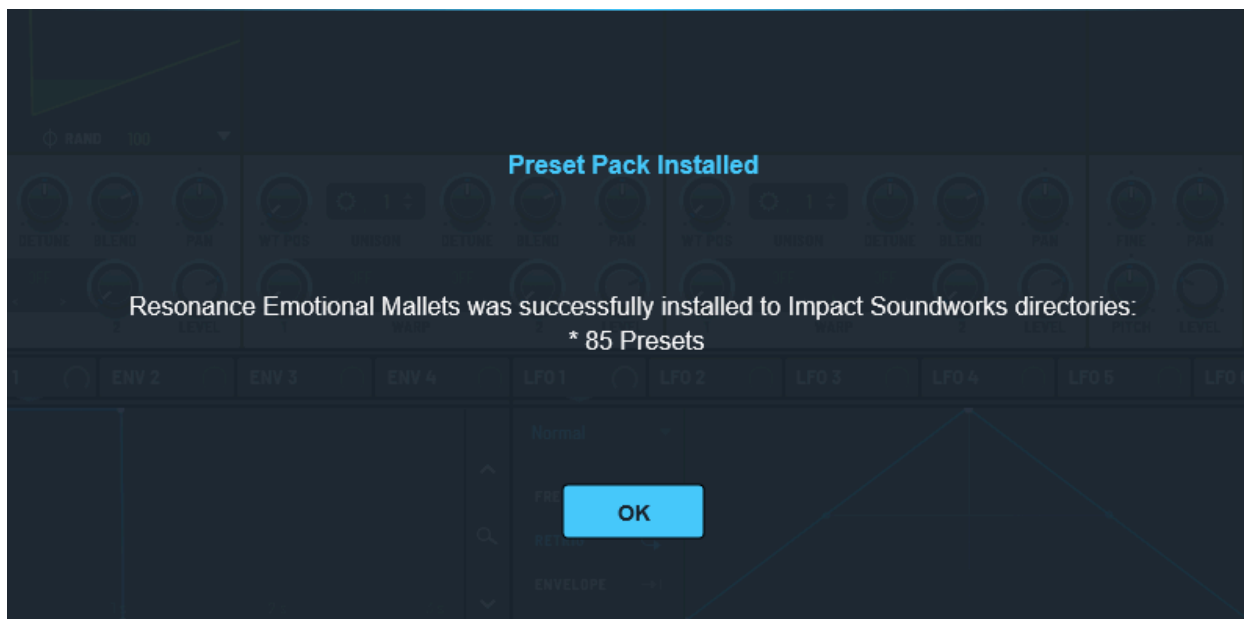
If you own Serum 2, the process of installing **Resonance: Emotional Mallets - SFZ Version** is very straightforward. Open up Serum 2, open the *Menu*, and select *Import Preset Pack...* in the dropdown menu:



In the dialog box that appears, navigate to the *Resonance Emotional Mallets* folder you downloaded with Pulse, open the *1 Serum 2 Preset Pack* folder, and open the 'Resonance Emotional Mallets.SerumPack' file:



You should see a confirmation message that looks like this (it can take a few seconds before it appears):



Open the Preset Browser and navigate to *Packs > Impact Soundworks > Resonance Emotional Mallets*. This folder contains sub-folders for *Designed* and *Natural*, and these are in turn organized into categories [see pages 7-8]. You can select *Resonance Emotional Mallets* to show the full preset list, or select a sub-folder and category to narrow your filter; click the preset you want to load and you are ready to go!



These presets all use the first oscillator in Serum 2 in Multisample mode and there is a lot of flexibility to change things around as needed (add additional oscillators, per-oscillator filters, effects, and a whole ton more). **NB:** The additional oscillators in Serum 2 are disabled in these presets by default, but they have been gain-staged to match the samples, so if you turn them on they will blend with the samples immediately!

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The sheer power and scope of Serum 2 is outside the scope of this manual, so please check out the [Serum 2 User Guide](#) for more info!

It's also important to note that, much like the more 'generic' .sfz files, the Serum 2 presets for **Resonance: Emotional Mallets - SFZ Version** do not contain all of the controls present in the Kontakt version.

Generic SFZs + Samples

This folder contains what we refer to as 'generic' .sfz files; these can be opened in most .sfz players.

NB: *The internal folder structure of the '2 Sfzs + Samples' folder **must** remain unchanged. If this folder structure is altered, you will run into errors attempting to load the .sfz file.*

Since the most common .sfz player is Sforzando, we will briefly go over how you load these files in that player here.

Sforzando

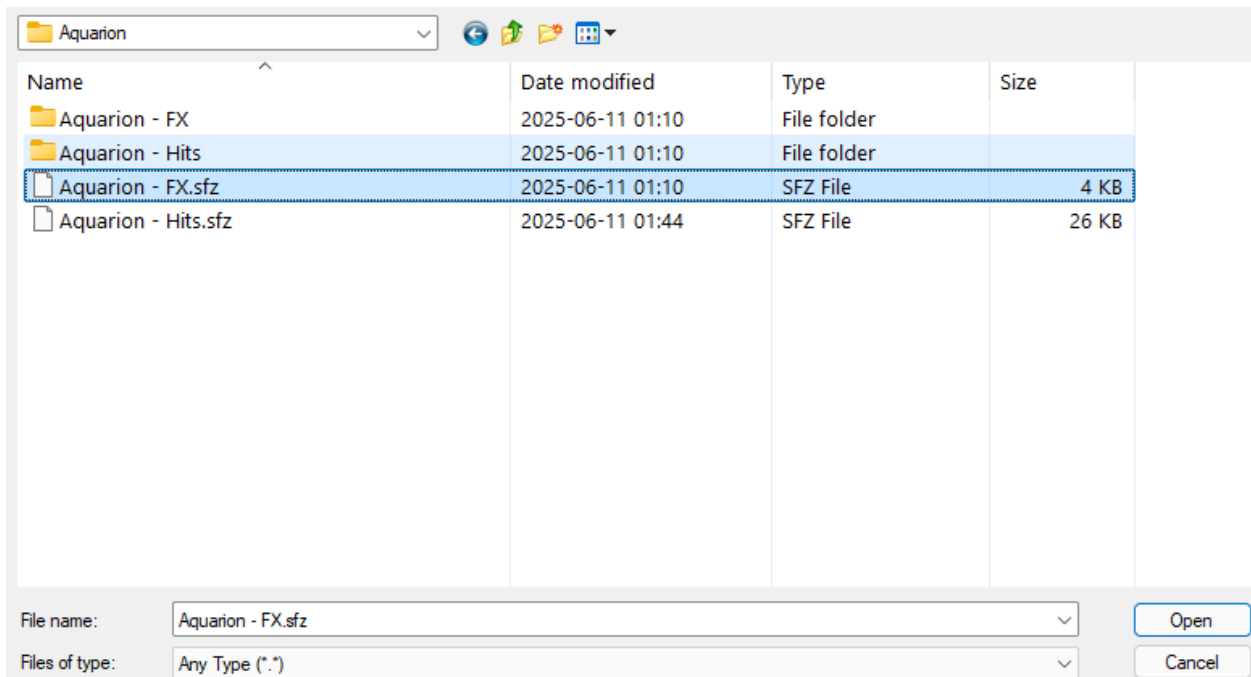
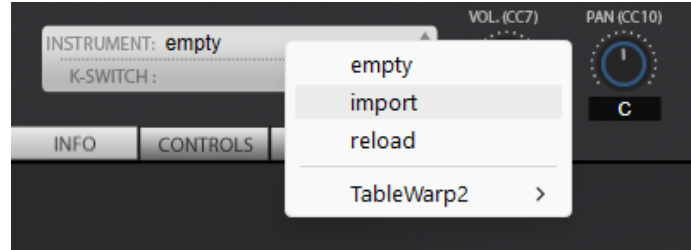
Sforzando is a free SFZ player made by Plogue, available for Windows, Mac, and Linux (in beta).

First, head over to <https://www.plogue.com/downloads.html#sforzando> and download the version that's appropriate for your system. The Windows and Mac installers should guide you through the process and install the plugin in a directory of your choosing (keeping in mind that the plugin component(s) should be installed to a directory your DAW scans for new plugins).

When you load the Sforzando plugin, you will see this interface:



Drag-and-drop an .sfz file from the *2 Sfzs + Samples* folder into the plugin window to load it, or click the Instrument section, select 'import', navigate to the *2 Sfzs + Samples* folder, and load the desired .sfz file from the sub-folder you want:



It's important to note here that **Resonance: Emotional Mallets - SFZ Version** is (necessarily) a simplified version of [the Kontakt library of the same name](#), so the controls available to you in the Kontakt version are absent here.

Samples (WAV)

This folder contains audio files in .wav format of all samples used to build both the Natural and Designed patches. You can load these in your favorite sampler or drop them into your DAW for processing and additional sound design - the sky's the limit!

Natural vs. Designed

Natural

The *Natural* patches represent the original, largely unprocessed recordings of the instruments, sampled with numerous velocities and round robins.

The *Natural* category contains the following instruments, broken down further by playing technique (mallets, metals, FX, etc):

Aquarion

- *Hits*
- *FX*

Bass Tongue Drum

Boltophone

- *Mallets*
- *Metals*
- *Bowed Long*
- *Bowed Short*

Bowed Metal

Gamelan Ensemble

Glass Gong

- *Chromatic*
- *Original*

Glass Tongue Drum

- *Body*
- *Tongues*

Metal Ensemble

Metal Sheet

Pipeharp

- *Mallets*
- *Metals*
- *Bowed*
- *FX*

Pot Lids

- *Pot Lids*
- *Chromatic*
- *Tuned Wood*
- *FX*

Stonaphone

- *Mallets*
- *Bowed*

Whale Drum

- *Mallets*

- FX
- Inharmonic

Wrenchophone

- Bolts Authentic
- Bolts Optimized
- Mallets Authentic
- Mallets Optimized

Designed

The *Designed* patches are - as the name implies - designed; they are built from the original sampled sounds but also add extensive new material, created using a variety of external tools and processing, morphing them into entirely new sounds.

NB: *These patches sound slightly different when compared to their namesakes in the original Kontakt library. The Serum 2 presets include detailed FX signal chains in order to recreate the sound of the Kontakt patches as closely as possible. The .sfz patches do not have this kind of processing built into them, so they will produce an unprocessed version of these sounds.*

The *Designed* category contains:

Impacts & FX

- Rocket Launcher
- Heavy Metal Impact
- High Speed Crash
- Rubble Strike
- Bathysphere Descent

Keyboards & Mallets

- Aquiarion Rhodes
- Brushed Marimbas
- Coral Reef Keys
- Darkness FM Poly
- Icicle Music Box
- Silver Pocketwatch
- Dream Carnival
- Dream Stones
- Laser Mallet
- Tuned Anvils
- Millstone Organ
- Pentatonic Stab Organ
- Soft Harmonic Organ

Leads & Basses

- Giant Pipe Bass
- Hybrid Bass

- *Taped Sub*
- *Tibetan Bass Synth*
- *Call In the Dark*
- *Sone Flute*
- *Titanium Glass Bend*

Percussion

- *Balrog Drums*
- *Heavy Tongue Djembe*
- *Large Tongue Drum*
- *Impact Metal Ensemble 1*
- *Impact Metal Ensemble 2*
- *Iron Foundry - Dry*
- *Iron Foundry - Wet 1*
- *Iron Foundry - Wet 2*
- *Iron Foundry - Wet 3*
- *Iron Foundry - Wet 4*
- *Trash Metal*

Textures & Ambience

- *Stoneship Gate*
- *Oceans of Neptune*
- *Slow Motion Neurons*
- *Snow in Asia*
- *Alien Swell Texture*
- *Growling Drone*
- *Intense Grain Cloud*
- *Out of Body*

Tonal Pads

- *Bowed Ensemble*
- *Eternal Bows*
- *Ganymede Padpluc*
- *Glassy Timbral Pad*
- *Hanging Gardens*
- *Motional Nanometal Pad*
- *Softest Sunlight Pad*

Credits & Acknowledgements

SFZ / Serum 2 Version

SFZ Version: Jared Le Doux

User Manual: Fredrik Häthén

Quality Assurance: Fredrik Häthén, Shane Roberts, Jared Le Doux

Original Kontakt Version

Performances: Andrew Aversa, Gabriel Globus-Hoenich

Additional Performances: Jillian Aversa, Steve Davit

Engineering: Alec Henninger

Editing: Iain Morland, Andrew Aversa, Chris Gordon

Sound Design: Andrew Aversa, Iain Morland

Scripting: Andrew Aversa

Beta Testing: Jeff Ball, Wilbert Roget II, Dirk Ehlert, Erik Ekholm

Photography / Filming: Jillian Aversa

Artwork: Blake "PROTODOME" Troise

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