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Olafur Arnalds Composer Toolkit
USER MANUAL

CONGRATULATIONS

Thank you for purchasing Ólafur Arnalds Composer Toolkit. For composers, for songwriters, for producers. An intimate and deeply personal set of tools curated by BAFTA winning composer Ólafur Arnalds with the writer in mind. Centred around a hugely characterful 'felted' grand piano and a comprehensive set of extraordinary and inspiring sounds recorded in Iceland.

Quick Specs

- 4691 samples
- 22.7 GB Uncompressed WAV
- 15.2 GB Disk space required
- **30.4 GB Disk space required during install**
- Kontakt FULL required
- New intuitive GUI with inline help
- Detailed sampling:
 - Multiple Instruments
 - Multiple Articulations
 - Multiple dynamics
 - Multiple round robins
 - Release Triggers

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WELCOME

So many virtual instruments libraries are created with the art of production in mind. Ólafur and the Spitfire team created a more nuanced brief here with the writer at heart. Everyone has that piano, that guitar, that instrument they love to write on, everyone has that place that inspires them. “What if we could create a set of tools that could enable anyone to take an inspiring collection of instruments recorded in an inspiring setting to write with anywhere?” they asked themselves.

Ólafur then conceived what would be his staple set of sounds that could enable him to continue to produce original, inspiring and moving music wherever he was in the world. Spitfire is proud to present Ólafur’s Composer Toolkit.

A crack team of Spitfire technicians, musicians and engineers descended on Ólafur’s studio in Reykjavik to work closely with the BAFTA winning composer to capture the essence of Arnald’s approach to harnessing the spirit of his surroundings.

Centred around a deep sampled ‘felted’ antique grand recorded ultra quiet via Ólafur’s vintage outboard. The levels of recording were so hyped that everyone in the room had to hold their breaths for the duration of every sound. This piano is accompanied by what can only be described as a gift selection of go-to sounds personally programmed and curated by the man himself.

BACKGROUND

This is the second Spitfire collaboration with BAFTA-winning, multi-instrumentalist and producer Ólafur Arnalds who mixes strings and piano with loops and edgy beats crossing over from ambient/electronic to pop. In 2009, Ólafur came together with another Icelandic native, Janus Rasmussen to form an experimental techno project, called Kiasmos. And in 2014 Ólafur announced his electronic debut album under the Kiasmos project.

Ólafur gained huge notoriety with a new audience for his BAFTA-winning score featuring haunting strings, pianos and electronics for the British crime drama, Broadchurch. He has drawn heavily on the techniques he explored for that project for this selection of evolutions.

FEATURES

The main feature of the library is a 1904 Beckstein grand piano, which Ólafur has customised, after several tests using various strips, with a single piece of felt. This was sampled in meticulous detail over several days to capture the subtle nuances of the softest layers. The felt piano is presented with 4 unique signals; KM84, Coles, Processed and Spaced. The KM84 signal is the pure sound of the small condensers in place, giving a tight crisp sound to the piano. The Coles is a mono signal below the soundboard, processed through a Roland Space Echo as a LoFi tape simulation to give a gritty low end. The processed signal is a mix of the KM84s with a pair of C12s, mixed by Ólafur into a pair of Pultec EQs and finally slammed through a 1178 stereo compressor to give the distinctive Arnalds sound. This processed sound has been paired with a ‘Spaced’ sound in a ‘Mixed’ patch that

Ólafur has further processed to give a truly unique take on his signature piano.

To accompany this inspirational instrument, Ólafur has created numerous sonic manipulations of the original piano as well as individual instruments to provide instant aural inspiration. With nearly 100 presets, neatly presented by type, the library contains more than enough to allow musical creativity to flow, all presented in Spitfire’s Mercury synth engine.

DOWNLOADING & INSTALLING

Thank you for buying this Spitfire product. If you are a total newbie to this kind of thing you can get up to speed here: <http://www.spitfireaudio.com/info/basics/>

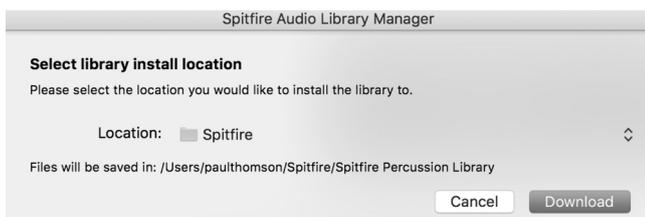
First though, grab our 'Library Manager' app from this link: <http://www.spitfireaudio.com/info/library-manager/>
This app will enable you to download the library



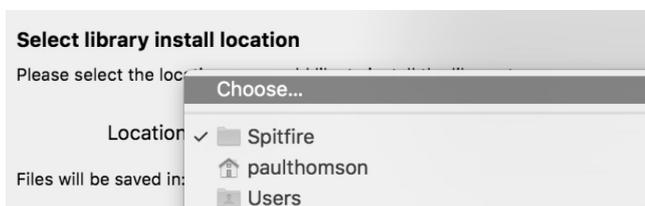
When you launch the app you will be prompted to login using the same details you use at our site. Then you'll see your available downloads:



Once you have selected what you wish to download on the left pane and clicked the 'download' button you will have the option to select a location.



A default location will be generated but you'll most likely want to change this. Here's how! Click on the two little vertical arrowheads to the right of the default location. You will be presented with the following options, and you'll want to click 'CHOOSE'.



Once you've selected the location you can proceed with the download. **NOTE THAT THE DOWNLOADER WILL CREATE A SUB-FOLDER FOR YOUR LIBRARY IN THE LOCATION SELECTED.** This is important: if you have a multi part library, or an update, it means that the Library Manager app will look **INSIDE** the selected location for your library folder. If its not there, it will create a new library folder. So, if you mistakenly select the actual 'SSB library' folder itself, when adding content or doing an update, instead of the location (one folder level up) that **CONTAINS** this library folder, you'll end up with a nested mess!!

TOP TIP: You will need approx **TWICE** the amount of hard drive space as the library uses (see the product page on our site for this info) to download: this is because the zip files are all downloaded, and then unzipped. This process takes a while so don't panic if it looks like its frozen!

TOP TIP 2: If you get in a total mess you can reset the download of either the whole library or just the latest update from the 'Library' menu of the app. This is limited to a couple of downloads as bandwidth is expensive! Please only do this if you actually need to.

You'll see an option also to Change Install Location, if you selected the wrong one, at any time you can hit the **PAUSE** button to pause the download, then select **CHANGE INSTALL LOCATION** and the app will move all the downloaded files to the new location. Once it has finished you'll be prompted if you want to proceed, **THEN** you can hit the **RESUME** button to continue the download in the new location.

NATIVE INSTRUMENTS KONTAKT

If you've never used one of our libraries before and you don't own a copy of Native Instruments Kontakt, you'll need to buy it from Native instruments:

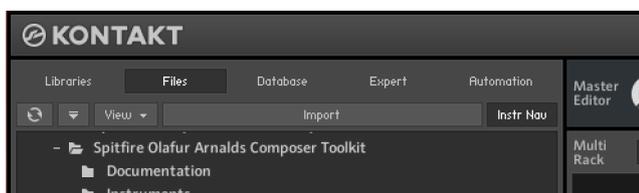
<https://www.native-instruments.com/en/products/komplete/samplers/kontakt-5/>

If you'd like to find out more about the differences between Kontakt and Kontakt Player (we know, very confusing!) go to [Appendix A](#).

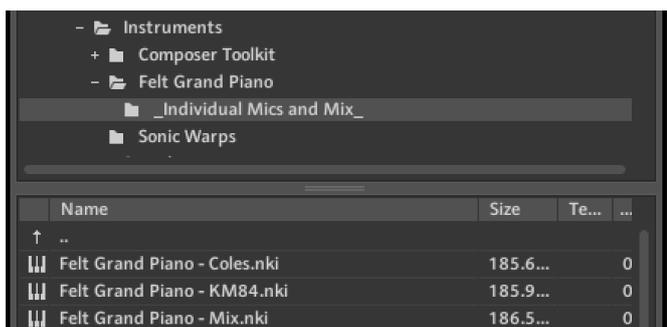
Service Center or the NATIVE ACCESS apps. Our libraries are frequently updated and often simply won't work on any previous versions. We cannot describe the multitude of painful symptoms you will experience if you don't do this!

If you'd also like to know what we recommend as an optimal set up please go to [Appendix B](#).

1. Install Kontakt (skip this step if you already have it)
2. Open Kontakt 5 and click 'Files' in the library browser window:



3. Navigate to the instruments folder within the library folder.
4. Double click or drag the .nki file corresponding to the instrument you want to load into the right hand side of Kontakt.



If you have never used Kontakt before we wholeheartedly recommend that you familiarise yourself with the basics of patch (or instrument) loading, multi management, outputting and midi routing detailed in the Kontakt user manual and native instruments website:

<https://www.native-instruments.com/en/products/komplete/samplers/kontakt-5/downloads/>

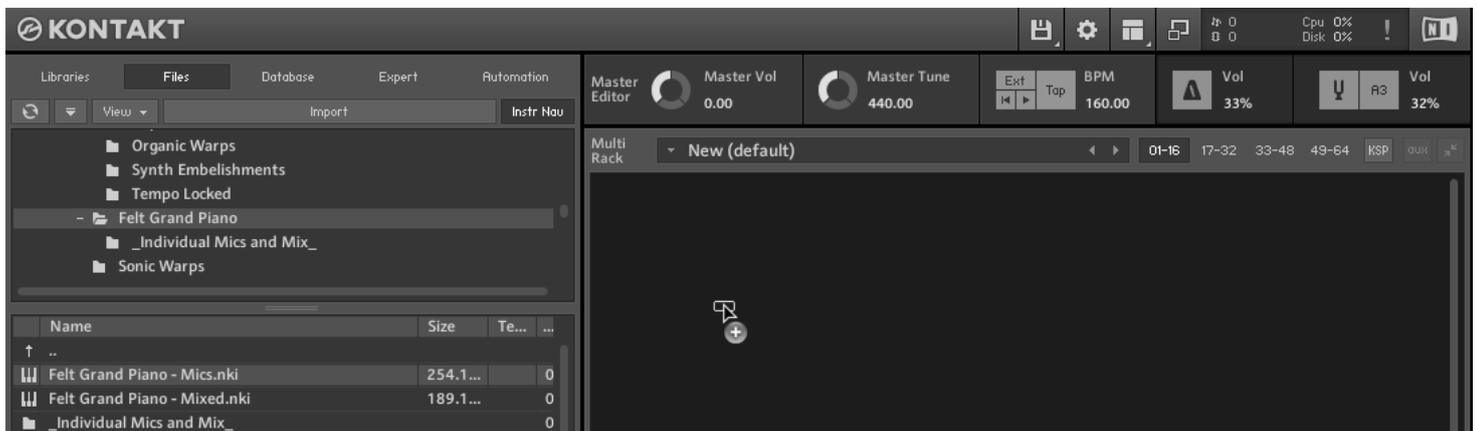
If you are an established Kontakt user please make sure you absolutely have the latest version of it downloaded via the NI

FOLDER STRUCTURE



The instruments folder is split into three distinct sections - The Composer Toolkit which contains the Organic Warps, Synth Embelishments and Tempo Locked patches, The Felt Grand Piano and the Sonic Warps.

OPENING YOUR FIRST INSTRUMENT.

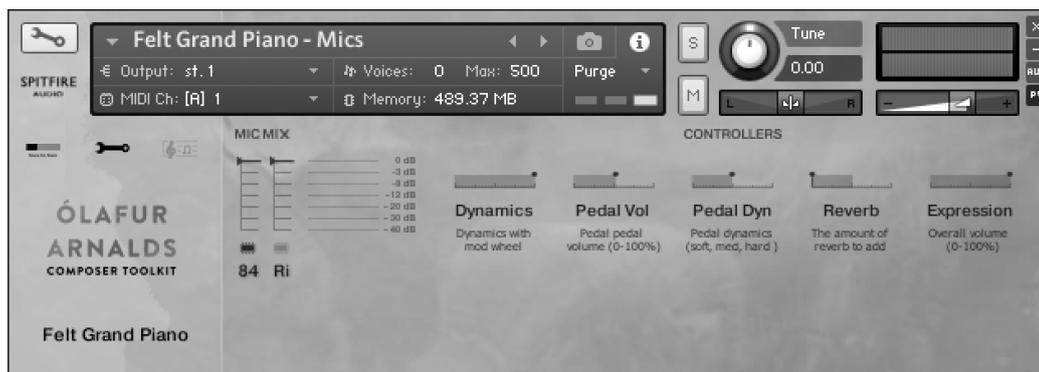


Simply double click an 'nki' file (this is Native Instruments' file extension for a Kontakt instrument) to load, or indeed drag the instrument (it'll have the little keyboard icon and the suffix .nki) from the left pane into the right pane.

If you can't hear anything double check first that the midi channel you are transmitting on with your keyboard is the same as the one in the Kontakt Instrument!

A QUICK LOOK - The Felt Piano

SWITCHING VIEWS



The felt piano is presented with 4 unique signals; KM84, Coles, Processed and Spaced. The KM84 signal is the pure sound of the small condensers in place, giving a tight crisp sound to the piano. The Coles is a mono signal below the soundboard, processed through a Roland Space Echo as a LoFi tape simulation to give a gritty low end. The processed signal is a mix of the KM84s with a pair of C12s, mixed by Ólafur into a pair of Pultec EQs and finally slammed through a 1178 stereo compressor to give the distinctive Arnalds sound. This processed sound has been paired with a 'Spaced' sound in a 'Mixed' patch that Ólafur has further processed to give a truly unique take on his signature piano.

The KM84 and Coles Microphones can be found in the "Mics" Patch and the Processed and Spaced sounds can be found in the "Mixed" patch. These can be mixed together within the patch using the faders.

When you first load up a the Felt Piano you'll be greeted with this GUI. This is one of 2 pages that you can switch between using the panel switcher...

ASSIGNING CONTROLS IN KONTAKT

All GUI controls can be assigned a unique controller number so you can automate or adjust via an external controller (vital when playing in virtual orchestral parts). To learn MIDI CC data or just to see what CC number is assigned to any control RIGHT or CTRL CLICK.

You can then alter the controller parameters in the "Automation pane" if for example you want your mod wheel to go all the way from top to bottom but the control to have restricted bandwidth change from the default of 0-127 to 20-100. Or if you want the controller to make the GUI control in the reverse direction change from the default of 0-127 to 127-0.



Click on these to switch views or pages:

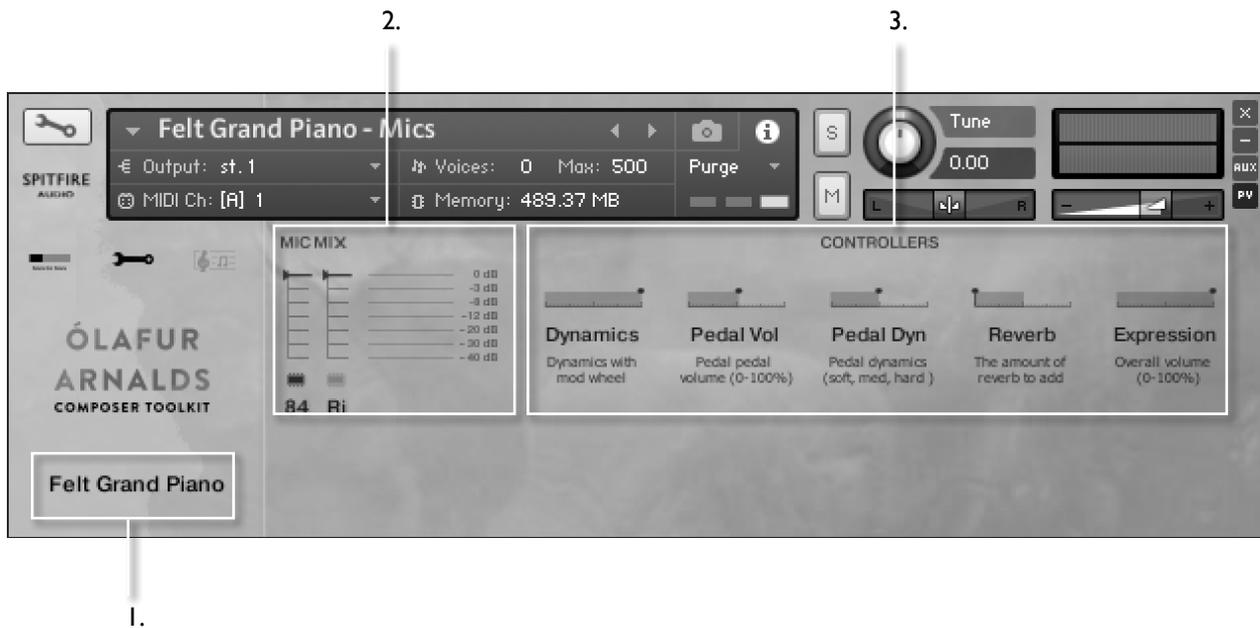
1. **General Overview** (the view shown above)

2. **Expert View**

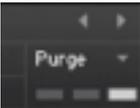
Not used in this library

All of which are discussed in more detail over the next few chapters...

THE 'GENERAL OVERVIEW' PANEL



LOAD STATUS:



Make sure Kontakt displays the instrument load status as pictured. If the left hand bar is illuminated and red it's in a queue and hasn't started loading yet, if the middle bar is lit and yellow the instrument is still loading up. If you try to play before it's loaded it may not be nice!

PURGE MENU

Above the load status is the purge menu which is standard Kontakt functionality - we recommend browsing the Kontakt reference manual for information on this and all other standard Kontakt menus.

1. SIDE BAR

Tells you what instrument you're playing.

2. MIX

The piano was recorded with two different mic perspectives. Move these sliders up or down to change the level of each mic. NB: the first time you use these it may need to load in the samples, so give it a moment!

3. EXPRESSIVE CONTROLLERS

Dynamics - This crossfades between the different dynamic layers recorded if you have "CC mapped vel." selected in the advanced view. If you are using keyboard velocity to dictate the dynamic, this controller does not affect anything.

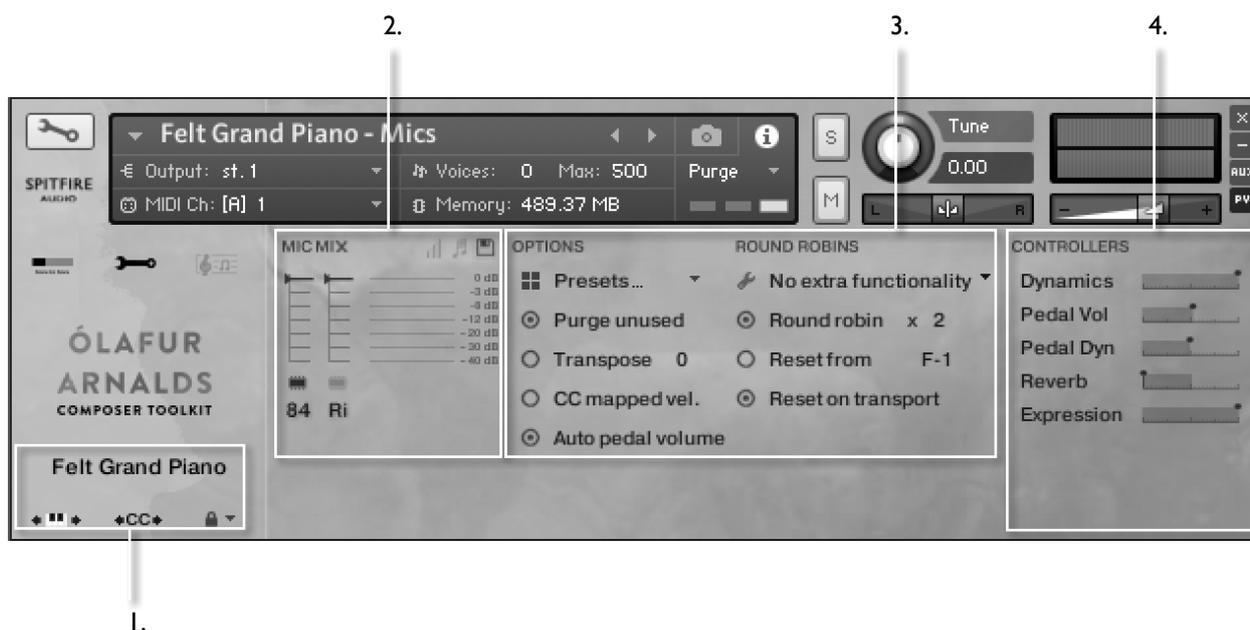
Pedal Dyn - Controls the sound of the pedal being physically pressed, this crossfades between three different dynamic layers and by default is automatically controlled based on the keyboard velocity

Pedal Vol - This trims the level of the physical sound of the pedal being pressed.

Reverb - Controls the amount of reverb added to the piano

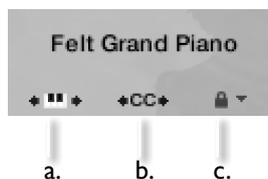
Expression - Instrument trim (CC11), so this adjusts the volume within the instrument volume (CC7)

THE EXPERT VIEW



I. SIDE BAR

On the 'General Overview' page this simply displays the instrument being played. In the 'Expert View' there are some additional functions:



Ia. "KEYBOARD SHIMMIER" - This shifts your bank of keyswitches left or right to suit your needs, preference or performance. Simply click on the icon and drag your cursor left or right and you'll see the pink bank of keyswitches follow! Wherever you stop, those will be the new keyswitches.

Ib. "KEYSWITCH TO CC SELECTOR" - Use this to assign a CC controller to act as articulation/ keyswitcher. RIGHT or CTRL Click on "CC" and you can assign a controller to change articulations.

Ic. "ARTICULATION LOCKER" - We all like to select articulations and use our templates in different ways. Many composers like to have a single articulation loaded to each instance of an instrument for example. So it's worth locking off the articulation switching once you've selected one so you don't have sounds disappearing from slaves way off in your machine rooms!

Unlocked Artic' - Is the standard setting, select articulations via the front panel or associated keyswitch.

Locked Artic' - This locks your articulation so it doesn't change either via front panel or keyswitch.

Locked Keyswitch - This locks your articulation via keyswitch but you're free to switch via the front panel.

Locked to UACC - This is a new standard being developed by

Spitfire and detailed in appendix E. The default controller channel is #32 but this can be changed by right/ CTRL clicking on the padlock.

Locked to UACC KS - The functionality of UACC with the flexibility of a keyswitch. When activated, a single keyswitch is available. Pressing this key at varying velocities (according to UACC standards) changes articulation.

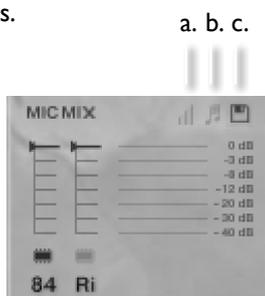
Shared Keyswitches - In larger libraries, this setting allows you to spread keyswitches across multiple palettes of articulations.

2. MICROPHONE MIXER

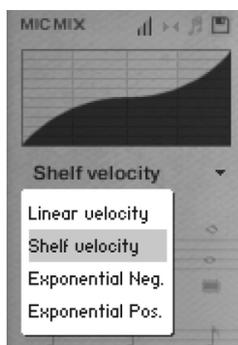
The microphone mixer gives you greater control over the blends of microphone positions for your work.

Use the chips beneath the faders to load & unload different microphones and the faders above to tweak the balance of them. Turning a fader all the way down will also unload the mics, conversely turning the fader back up will reload. Right click on the faders to assign CC controllers so you can mix these live for fantastic shifts in the spatial nature of the samples. Left click on the mic names to change Kontakt channel/output assignment.

On the top right of the mixer controller section are some deeper mixing options.



2a VELOCITY RESPONSE

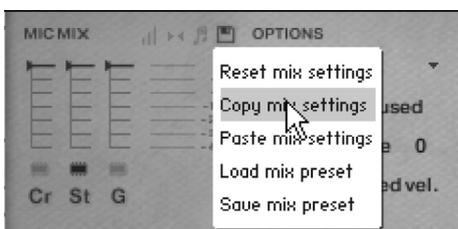


Pick from 4 different velocity curves to suit your controller.

2b MIC MIX TO ARTICULATION LINKER

The small notation symbol locks the microphone mix or tweak you've made to the articulation selected. This means if you want to boost any perceived inconsistencies in volume between say pizzicato and col legno you can. Or indeed if you want to roll off some of the hall ambience for a short versus the long articulations this is how to fine tune.

2c MIXER PRESETS



A new way to transfer mixer settings between patches, or save and load presets to disk.

AUTOMATING MIXER FADERS - Each mixer fader has a dedicated #CC. To change this to suit your MIDI controller or surface, simply RIGHT or CTRL click on the fader itself to "learn" the new controller.

ROUTING MIC MIXES - To route each mic mixer channel to unique Kontakt channels simply click on the mic letter. Great for putting your ambient mics in the surround for example. Also good for tracklaying individual mics for your engineer to control in your final mix sessions.

FELT PIANO AVAILABLE SOURCES

Felt Grand Piano - Mics

84 - The KM84 small condensers in place giving a tight crisp sound to the piano

Ri - Coles Ribbon mic, a mono signal below the soundboard, processed through a Roland Space Echo as a LoFi tape simulation to give a gritty low end

Felt Grand Piano - Mixed

Mx - A mix of the KM84s with a pair of C12s, mixed by Ólafur into a pair of Pultec EQs and finally slammed through a 1178 stereo compressor to give the distinctive Arnalds sound.

Sp - A spaced sound that Ólafur has further processed to give a truly unique take on his signature piano.

3. GENERAL CONTROLS

OPTIONS

PRESETS - This allows you to load predetermined sets of articulations affectionately called articulation sets (see General Overview Panel) quickly and easily to optimise your system quickly for essential articulations or to start building templates using empty “shells”.

PURGE UNUSED - This control keeps unloading any samples you are not using to keep your memory usage as low as possible.

TRANPOSE - Toggle this on and tweak the number to the right to transpose your instrument. Note this is not the same as tuning, the instrument will actually offset the samples to the selected pitch.

CC MAPPED VEL(OCITY) - Click this to control note velocity with the Dynamics slider. If a user has customised the dynamics slider, that same customised CC will control velocity now.

AUTO PEDAL VOLUME - This is selected as default and allows the key velocity to control the pedal volume. When unselected, the pedal volume slider will control the pedal volume.

ROUND ROBINS & LEGATO

NO EXTRA FUNCTIONALITY(NEIGHBOURING ZONES)- Next to this lies a pop-down menu with some amazing new functions:

- **“No extra Functionality”** - Is the standard default where round robins are used as they were intended.
- **“Neighbouring Zones”** - pulls from neighbouring zones, so for an ‘8RR’ instrument, you effectively cycle through up to 24 different sounding notes when pressing a key. It’s still just playing the one RR at a time, though giving you more of them. In legato mode this also alternates between 3 legato intervals to give a fake round robin.
- **“2x Round Robin With Skip”** - plays two RR simultaneously, so you get a thicker sound, it’s the equivalent of plopping two notes on top of each other in your DAW (and it drops the overall volume ~6db so that the levels remain the same but it just sounds thicker). NB THIS IS NOT AVAILABLE TO LEGATO TRANSITIONS. This plays the pairs and moves ahead by 2 RR. In this mode RR is effectively halved. eg, if you press a note it would play RR1/RR2 then RR3/RR4 ,etc.
- **“Layer 2x Round Robins With No Skip”** - As above but this plays a pair but doesn’t move ahead by 2 so that RR isn’t halved. So if you press a note it would play RR1/RR2, then RR2/RR3, then RR3/RR4.

ROUND ROBINS - This refers to the number of round robins (multiple recordings of the same notes that cycle around as you repeatedly play a note) your instrument uses, the number can be dragged up and down (1-8) to save you memory.

RESET FROM F0 - This enables you to control the round robin cycle (so it sounds identical every time you play) toggle on & play the key(s) selected to reset. You can click and drag to change the keys and CMD/CTRL-click to toggle between resetting to specific round robins and only resetting to RR#1

RESET ON TRANSPORT - As above but resets every time you press play! Genius!

4. EXPRESSION CONTROLS

We curated some of these for the general controls view, here is the full complement, dial these cc’s into your midi controller for an infinite choice of emotional and human responses.

DYNAMICS - CC#1 This slider displays and controls which dynamic layer is live. Also controlled via the modulation wheel.

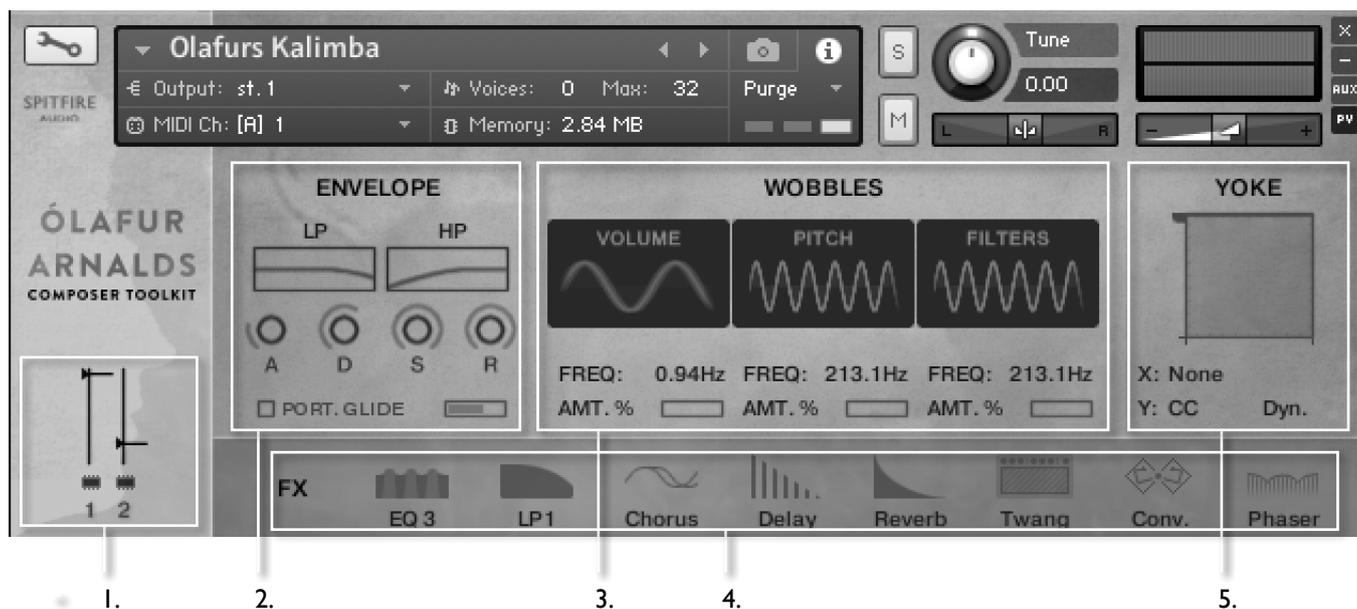
PEDAL VOL - CC#16 This trims the level of the physical sound of the pedal being pressed.

PEDAL DYN - CC#17 - Controls the sound of the pedal being physically pressed, this crossfades between three different dynamic layers and by default is automatically controlled based on the keyboard velocity

REVERB - CC#18 - Controls the amount of reverb added to the piano

EXPRESSION - CC#11 Displays the overall instrument volume (0-100%). Remember you can also trim your instrument volume with CC#7.

THE MERCURY SYNTH - Composer Toolkit



1. Mics & Mixes

This enables you to load and mix these different mono signal paths.

Use the chips beneath the faders to load or unload different “microphones” or channels and the faders above to tweak the balance of them. Turning a fader all the way down will also unload the mics, conversely turning the fader back up will reload. Right click on the faders to assign CC controllers so you can mix these live for fantastic shifts in the spacial nature of the samples. Left click on the mic letters to change Kontakt channel/output assignment.

For more information regarding Kontakt audio channels & routing please consult your Kontakt User Manual.

2. General Controls

Lo & Hi Pass Filters

LPF = Low, HPF = Hi. For some, a counter intuitive industry standard in titling. Adjust the graph on the LPF to chop off the top end, HPF to chop off the bottom. So if you want to reduce your fizzing synth sound to a muted sub tone drag the LPF graph from right to left.

A.D.S.R.

Attack, Decay, Sustain Release envelope. These knobs will adjust the shape of the sound from a volume point of view. Adjust attack to make the sound come thudding in or gradually fade in. Adjust release to make the sound go from a sharp end or off to a gradual decay. For an 808 style bass pull up one of the subbier sounds and pull the attack all the way to the right. The release to about mid way (to taste) and play some short notes.

Portamento Glide On/ Off Toggle

Click this to make the sound monophonic (so you only can play one note at a time) and to activate the portamento glide function.

Portamento Glide Amount

Now that your Glide toggle is on hold one key down and whilst holding press another. Because you're in monophonic mode the sound will transition from the first pitch you depressed to the second, this fader controls the time this transition takes.

3. Wobblers

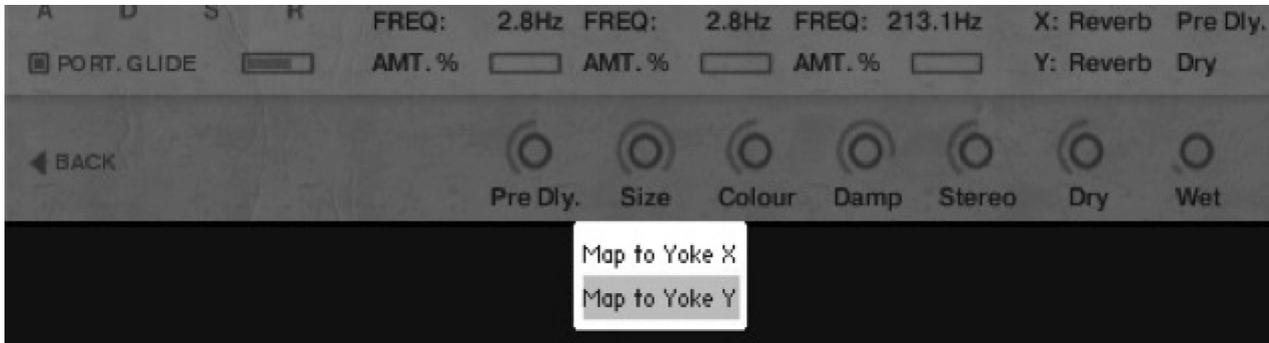
Three modulator windows that give you wobble, or sometimes, WAB WAB WAB! Adjust the AMT to effect the amount of WAB WAB.

Wobble Frequency

Adjust the graph by dragging up and down to change the frequency or speed of your wobbles. For tempo sync'd modulators, this will tune coarsely to provide you with 8th triplet 16th, etc etc. Hold down ALT and drag to change all three graphs at once.

4. FX Parameter Display

We've pre-loaded a selection of FX. Activate by clicking the FX icons along this bar then CMD/CTRL click to display the controls.



...and if you wish to have real-time control map ALT click on the controllers to map to...

5. The Yoke

The yoke is a dual FX controller that adjusts your FX parameters in real time for fantastic sequencing options. Y = vertical controller, X = horizontal. Scroll down to select which FX you wish to control.

You can also alter the FX parameters further and map them directly to the Yoke controller. Command/ CTRL Click on the FX Icon you'd like to access additional parameters for. You can map them to the yoke by ALT-clicking on the name of the parameter or by selecting the parameter just under the yoke itself.

Yoke X&Y FX Parameter Selector

Determines which parameter from your selected FX you wish to map to the X or Y yoke controller.

APPENDIX A - RECOMMENDED TECH SPECS

PLEASE MAKE SURE YOU HAVE THE LATEST VERSION OF KONTAKT 5 INSTALLED.

RECOMMENDED SPEC:

The better your computer, the better the performance of any Spitfire module. But not to worry if you're not spec'd up to the hilt. All programs are provided with a set of parameters that enable you to dial back the CPU demands of any given patch. But moving forward, we're confident this module will keep your computer busy for many years to come! We recommend a combination of high processor speeds, a good chunk of memory and a devoted 7200rpm eSata, USB2 or 3, or Thunderbolt audio drive. The more memory you have, the less demand placed on your drive, and having a totally devoted drive gives you the chance to load less into memory and reduce load times. The higher the speed of your CPU, the more capable your computer will be to deal with some of the amazing, but complicated scripts we've written.

PCs:

We recommend Windows 7 or later (latest Service Pack, 32/64 Bit), Intel Core Duo or AMD Athlon 64 X2, 4 GB RAM (8 GB recommended).

MACs:

We recommend Mac OS X 10.10 or later (latest update), Intel Core 2 Duo, 4 GB RAM (8 GB recommended).

DRIVES:

USB2 or USB3, Thunderbolt, or eSata, 7200rpm. Ask your dealer for drives that are suitable for "AV use". If you can afford an SSD drive, this will massively increase the power of your system. Instead of 7-9ms seek time, the usual seek time is <0.1ms. These are fast enough to run a patch 'Purged' of all its samples, and they can load on the fly as you play the notes. You can also reduce your sampler's "pre-load" buffer tenfold meaning you'll be able to load enormous orchestral palettes into a single machine.

HOST:

The Kontakt 5 platform should work comfortably on most commonly found platforms and DAWs. As always make sure you're as up-to-date as you can afford! If your main DAW is not a newish machine, or has a limited spec, and you're planning on building or adding Spitfire to an already large orchestral palette, you could consider running your library independently of your DAW, either on your host computer (e.g. via Re-Wire) or on a slave device (e.g. via Midi or MOL). This will assist your loading times, and will allow your DAW to do what it does best, sort out all your note ons and note offs! We heartily endorse Plogue Bidule (<http://www.plogue.com>) as a virtual rack/ routing system.

APPENDIX B - KONTAKT vs KONTAKT PLAYER

Kontakt Player is a free version of the Kontakt sample playback engine available to download:

<https://www.native-instruments.com/en/products/komplete/samplers/kontakt-5/downloads/>

It works with libraries that the developer has paid a license fee for. Essentially, you've bought this playback engine along with your library.

The Kontakt player gives you full access to all the sounds and all the editable parameters on the front panel. Also, unlike non-Player libraries, these libraries will also have a banner that appears on the Kontakt Libraries pane.

If you want to go deeper into editing you'll need a full version. As you will already own the free Kontakt player and have bought one of our 'player' libraries you will be eligible for a discount upgrade to Kontakt via the NI website. See here for more details:

<https://www.native-instruments.com/en/products/komplete/samplers/kontakt-5/pricing/crossgrade-offer/>

If the library you want to use is NOT a 'Player' library then you need to buy the full retail version of Kontakt.

Then you can also load 'non-Player' libraries like some of our other ranges, Spitfire LABS, Harp, Piano, Harpsichord, Solo Strings etc. Please note that non-Player library instruments will not appear on the Kontakt libraries pane and so can't be added as a library as Player libraries need to be. Instead, these libraries will simply need to be loaded via the Kontakt files browser or alternatively you can add the library as a favourite to the Kontakt Quick Load window.

APPENDIX C - PRESET/ARTICULATION LIST

FELT GRAND PIANO:

INDIVIDUAL MICS AND MIX:

Felt Grand Piano - Coles
Felt Grand Piano - KM84
Felt Grand Piano - Mix
Felt Grand Piano - Mics
Felt Grand Piano - Mixed

COMPOSER TOOLKIT:

ORGANIC WARPS:

Evo Ambience
Ólafurs Kalimba
Plate Space Piano
Prime Crusher

SYNTH EMBELISHMENTS:

Basic 60
Big 60
Big Open 60
Big Pad
Dark Angel
Detuned 60
Detuned Tape
Hi Jen
High Thrills
Init 60
Jen Distortion
Low Thrills
MonoLead
Noise Stab
P6LFO
SoftEntrance
Sonar Rhodes
Sub 60
Wild Resonance

TEMPO LOCKED:

Less Resonant Synth TM
Resonant Synth TM
Rhythm I TM
Slow Attack Perc Rhythm TM
Timed Delay Stab TM

SONIC WARPS:

A Flickering Start
A Soft Entrance
Arrival Pad
Becomes Granular
Bevelled Ice
Bowed Waves
Celestial Pad
Chorus Pad
Closing
Cool EP
Dark Hold

Deep Broodings
Detuned Glass
Dirty Pipe Piano
Distant Voices
Dream Sequence
Dreams
Dreamscape
Dusk Pad
Dusk To Dawn
Encapsulated Pad
End Credits Pad
Enter Noises
Excited String
Filtered Noise
Flatland Pad
Ghost Bowls
Head In The Clouds
High Noise Mellow
Hill Organ Fuzz
Hill Organ
Holar Falls
Holding On
Hollow Wind
Hope Pad
Hopes And Dreams Pad
Horizon Pad
Innnes Piano
Is it Simple
Jarring Music Box
Kopasker Wind High
Light Noise
Longing Pad
Lost In Thought Pad
Meditate Pad
Moving Filters
Opportunistic Moment
Past Ride Piano
Pure Contact
Realisation Pad
Resonant Glass
Reversed Fun
Reversed Pad
Soft Bowls
Soft Chords
Sombre Waves
State Of Mind
Sub Organ
Submerged Hopes
Sunken Heaven
Sunrise Pad
Taking Time
Tasty Round Bottom
Underorgan
Underwater Panic
Vertical Lead
Voices in the Machine
Was It Right
Wave Swept Pad

Whale Song

MICS AND MIXES:

FELT GRAND PIANO:

KM84
Coles
Processed
Spaced

COMPOSER TOOLKIT/SONIC WARPS

Single signal

APPENDIX E - UACC

With the development of Spitfire's BML Sable it was proving quite difficult to standardise how to access the ever-growing number of articulations contained within instruments and libraries. While they worked adequately, Keyswitches and CC32 were inconsistent between sections and instruments and it could prove a pain to do something as simple as substituting a Viola for a Violin section.

To address the problem, Spitfire developed UACC, a specification that hopes to standardise articulation control between instruments and libraries. UACC is turned on via the Keyswitch locking option () and utilises the same CC as above (and can be customised identically). When UACC is activated you can change articulation by setting CC32 to specific values that correlate with different articulations. Here's the latest (v2) spec:

Long (sustain)	34	Detache	80	Synced - 120bpm (trem/trill)
1 Generic	35	Higher	81	Synced - 150bpm (trem/trill)
2 Alternative	36	Lower	82	Synced - 180bpm (trem/trill)
3 Octave				
4 Octave muted	Short		Phrases & Dynamics	
5 Small (1/2)	40	Generic	90	FX 1
6 Small muted	41	Alternative	91	FX 2
7 Muted	42	Very short (spicc)	92	FX 3
8 Soft (flaut/hollow)	43	Very short (soft)	93	FX 4
9 Hard (cuivre/overb)	44	Leisurely (stacc)	94	FX 5
10 Harmonic	45	Octave	95	FX 6
11 Tremolo/flutter	46	Octave muted	96	FX 7
12 Tremolo muted	47	Muted	97	FX 8
13 Tremolo soft/low	48	Soft (brush/feather)	98	FX 9
14 Tremolo hard/high	49	Hard (dig)	99	FX 10
15 Tremolo muted low	50	Tenuto	100	Up (rips/runs)
16 Vibrato (molto vib)	51	Tenuto Soft	101	Downs (falls/runs)
17 Higher (sultasto/bells up)	52	Marcato	102	Crescendo
18 Lower (sul pont)	53	Marcato Soft	103	Decrescendo
19 Lower muted	54	Marcato Hard	104	Arc
	55	Marcato Long	105	Slides
Legato	56	Plucked (pizz)		
20 Generic	57	Plucked hard (bartok)	Various	
21 Alternative	58	Struck (col leg)	110	Disco up (rips)
22 Octave	59	Higher	111	Disco down (falls)
23 Octave muted	60	Lower	112	Single string (Sul C/G/etc.)
24 Small	61	Harmonic		
25 Small muted				
26 Muted	Decorative			
27 Soft	70	Trill (minor 2nd)		
28 Hard	71	Trill (major 2nd)		
29 Harmonic	72	Trill (minor 3rd)		
30 Tremolo	73	Trill (major 3rd)		
31 Slow (port/gliss)	74	Trill (perfect 4th)		
32 Fast	75	Multitongue		
33 Run	76	Multitongue muted		

For example, turning on UACC and changing CC32 to 26 will change the current articulation to Legato - Muted. Setting it to 52 would change to Short - Marcato. You can set these manually in your DAW but it's much easier to utilise DAW functionality such as VST Note Expression, or a dedicated tablet app such as Lemur, TouchOSC, LiveControl, etc.

The advantages of UACC are that it's consistent between all supported libraries (ie. setting CC32 to 52 will change to Marcato regardless of the library or patch) and easily configurable on tablet apps such as Lemur. It remains consistent between updates (any product using v2 will have the articulations mapped to the above spec). It also takes up no space on the keyboard.

The disadvantages are that it's difficult to control for live playing (unless using a tablet) and it does not support articulation layering.

UACC KEYSWITCH

UACC keyswitching is a new feature in Spitfire products and updates. It is a mixture of keyswitching and UACC to provide the advantages of both methods. When UACC Keyswitch is activated via the lock panel menu () a single keyswitch is available. Using the UACC spec outlined above, this keyswitches velocity is used to switch articulation.

For example pressing the keyswitch at velocity 70 would switch to the Trill (minor 2nd) articulation while pressing at velocity 56 would switch to Short Pizzicato. As with UACC, you can manually input these velocity values but it's easier to use your DAW or tablet app's functionality.

The main advantage of UACC KS over UACC is that you can layer articulations by overlaying the keyswitch's notes on the piano roll.

APPENDIX F - FAQs & TROUBLESHOOTING

Q: HOW DO I AUTHORISE A KONTAKT PLAYER LIBRARY ON A MACHINE NOT CONNECTED TO THE INTERNET?

You have to use the Native Instruments Service Centre. There is an offline system. Copy it over to the offline machine, add the library as usual, then run Service Centre - it will generate a file that they can copy back to the online machine. Its explained as you do it.

Q: HOW DO I DOWNLOAD AND AUTHORISE A KONTAKT FULL LIBRARY ONTO MY MAIN RIG IF IT ISN'T CONNECTED TO THE INTERNET?

Simply use our download manager on a computer that IS connected, transfer over either over your LAN or via a shuttle drive. No further authorisation is required.

Q: THE LIBRARY KEEPS DISAPPEARING FROM MY KONTAKT 'LIBRARIES' PANE OR I CAN'T ADD THE LIBRARY - IT FAILS EACH TIME I TRY?

This is a known Kontakt bug. Please contact our support team to obtain a small file which should enable you to workaround the problem.

Q: "NO LIBRARY FOUND" ERROR MESSAGE

If you are getting the error message "No Library Found" in Kontakt when trying to add a new library, it's because the product you have purchased isn't a "Player" library (also see appendix B) You will therefore need to load the files manually into Kontakt to load them. This can be done via the 'Files' browser, top left hand side of Kontakt, or by simply dragging the instrument files over the Kontakt window to load them.

Q: WHAT IS THE DIFFERENCE BETWEEN KONTAKT AND KONTAKT PLAYER?

See appendix B

Q: HOW CAN I REDOWNLOAD A PRODUCT?

With the continuous improvements to our Library Manager app, we have incorporated the ability to reset your own downloads, be it the entire library or the most recent update!

This can easily be done via your Library Manager app. To reset both your entire library download or the latest update;

Open up the Library Manager app and log in with your account email and password.

- Select the download you wish to re-download
- In the toolbar under Library > Reset Download > Entire Download/Latest Update
- This will reset your whole download/your latest update

You can repeat this process for any of the libraries you own.

Note that there is a limit to how many times you can reset your downloads in a certain time frame. If you do exceed your reset limit please get in touch.

Q: DIFFICULTIES IN DOWNLOADING / INSTALLING

Customers may find that they have some difficulties in the downloading process. If you find that you are having some trouble, please check the list below for possible causes.

- The formatting of your drive, if it is FAT32 this will cause errors, because there is a maximum file size with this format of 4GB and our download files will exceed this limit. To solve this problem, reformat your drive to a more modern format, or use a different drive. We recommend NTFS on PC and Mac OS Extended (journalled) on Mac.

- Free space on your hard drive, please allow at least double the space for the respective library. This is because your library is downloaded compressed, then uncompressed into a separate location, then the original is deleted. So briefly during install, there are two copies of the library on disk. To solve this problem use a drive with more space (the size you'll need during install is listed on the website page of the product you bought).

Other issues;

- Library Manager freezes in the "Extracting" stage for hours. This may be because our libraries are often very large files, and this is the stage where the compressed files are extracted and placed in their final locations on the hard drive. There could be hundreds of GB of content to unpack, so it really can take hours. If you're unsure whether it has crashed or is simply extracting files, visit the installation folder you chose when you started the install. If everything is working normally you'll see various files appearing in the folder (or one of its sub-folders).

- If you see a "Download interrupted" message, this may be caused by a change in IP, usually the case with people using a VPN, or people who for some reason started a download in one country and tried to resume it in another. In this case, please submit a support ticket and we can unblock you.

- If your download gets stuck and is continually cycling and not resuming, please get in touch with us, giving us as much detail as possible about your set up. It would be helpful if you can tell us: Your operating system, where you are downloading from (your country, and also whether you're at home or work), your ISP, and whether there are any proxy servers or firewalls between your computer and the internet.

Q: I'VE LOST MY INSTRUMENT FILES.

In some cases, instrument files may get lost when transferring libraries from one place to another, or if an update has gone wrong. If this happens, the best way forward is to re-download the library in question. It will ensure you will get all of the content you are missing

Q: I HAVE FAST INTERNET, WHY IS MY DOWNLOAD SLOW?

We have no direct influence on your actual download speeds, our libraries are hosted on Amazon S3 servers which are normally very quick but it may well be that at certain times of the day when traffic is particularly busy, your ISP may throttle your connection speeds.

We would advise you to leave your download running overnight as speeds should ramp up at less busy times. Our Library Manager downloader aims to use as much of the available bandwidth as possible to give you the quickest possible speeds, and may take several minutes to reach its peak.

Q: CAN I INSTALL ON MORE THAN ONE COMPUTER?

With our products you have two licenses. This means that you are allowed to download and install on two computers you own, say your main rig and your mobile rig. The best way to get your library on both of your machines is to copy it from one to another via an external HDD. It saves you from having to re-download the whole library again!

Q: CAN I TRY BEFORE I BUY?

No - it is not currently possible to demo our products. If you go to our YOUTUBE CHANNEL you'll see many many walkthroughs containing detailed info about all our products -- you can hear them being played in real time with no smoke and mirrors!

Q: MY LIBRARIES ARE NOT SHOWING UP IN MY LIBRARY MANAGER

A handful of customers may find that when they log into their Library Manager, some of their previous purchased products do not show up in the 'Installed' section or in the 'Download Ready' section either. It may be that you have purchased these under another email address. Checking other possible email addresses for your previous purchases may help to find these missing products. If this is not the case, and these missing products were purchased a few years ago, please create a support ticket telling us your account email address, and any serial numbers you may have to go with these missing products. Our support team can also merge one or more accounts together if you'd like to consolidate all your purchases in one place.

The more information, the quicker we can get you back up and running!

Q: HOW DO I UPDATE MY PRODUCTS?

The main premise of downloading our products is that our library manager downloads into the folder you choose, so it is always good to choose the folder above where you want the download to go. The best file path for our products is something very simple, a long file path will cause errors as there is a character limit on how far the library manager can read. We advise a file path of something along the lines of:

Samples Drive > Spitfire Audio - always point the downloader to the folder 'Spitfire Audio' (the folder above the library) for all downloads and updates.

When it comes to downloading / updating - if you have a folder called 'Spitfire Audio' always point the library manager to the folder Spitfire Audio - never go into this folder and choose the actual library in question.

Q: HOW DO I REDOWNLOAD THE LATEST UPDATE?

With the continuous improvements to our Library Manager app, we have incorporated the ability to reset your own downloads. This can easily be done via your Library Manager app.

Open up the Library Manager app and log in with your account email and password.

- Select the download you wish to re-download
- In the toolbar under Library > Reset Download > Latest Update
- This will reset your latest update

You can repeat this process for any other updates you wish. If you do not see the option to reset your download in your Library Manager App, we would advise downloading the latest version of the library manager from spitfireaudio.com/info/library-manager/.

Q: I'VE BEEN WAITING AGES FOR MY DOWNLOAD LINKS...???

We run all our orders through a fraud checking process. The automatic fraud check takes 20 minutes (but can take up to an hour during a very busy period, eg. Black Friday), but if your order gets caught at this stage, we run a manual order check, and this can delay the processing of your order for up to 24 hours (though this would be a rare and exceptional case).

You should however receive an order confirmation email IMMEDIATELY upon placing your order. This confirms that your order has successfully been logged in our system and that your payment was successfully taken. Please check your junk folders before contacting our support. The message will come from do_not_reply@spitfireaudio.com if you'd like to add us to your whitelist.

Q: CAN I DOWNLOAD ON A PC, THEN TRANSFER TO A MAC OR VICE VERSA?

All of our libraries are compatible on both PC and Mac computers (as they run inside Kontakt). You can download all of our libraries on either PC or Mac and they will work if you need to transfer them across to the other operating system. We advise to do this by copying the library you want to move across to an external HDD and then copying it to your other machine.

Q: 'SAMPLES MISSING' ERROR MESSAGES

In some cases, samples files may get lost when transferring libraries from one place to another, or if an update has gone wrong. You may also get this error in some cases if you installed your library on a drive with just under the minimum necessary amount of space to install the library (remembering that you need DOUBLE the size of the final library to install successfully - see above). If this happens, the best way forward is to re-download the library in question. It will ensure you will get all of the content you are missing. For more information on how to re-download a product, please see the question above.

Q: HOW DO I DOWNLOAD PRODUCTS ON MAC OSX 10.8?

Our Library Manager only supports Mac OSX 10.9 and upwards. If you do not have a system with 10.9 upwards installed, or do not wish to update your system there is a way of creating an external boot drive that will work with our Library Manager app. Alternatively, you can download the library to any other Mac or PC that is compatible with the Library Manager and then simply copy everything over to your own machine. We suggest doing this via an External Hard drive.

Q: NON PLAYER INSTRUMENT OPENING IN 'DEMO' MODE?

If you are seeing the 'demo' button and your patches are timing out, it means you are trying to run a non-player library in the Kontakt Player software. You need to upgrade your Player to the full version of Kontakt. We try very hard to ensure at all stages of our website that everyone understands which libraries need full Kontakt and which need the Player only. Essentially our Player libraries don't need the full Kontakt because we have paid the license fee on our customers' behalf. This is more financially viable on our higher priced libraries. If you have any of our Player libraries you can qualify for a discount on the full version of Kontakt. See the following page for more information: <https://www.native-instruments.com/en/products/komplete/samplers/kontakt-5/pricing/crossgrade-offer/>

HOW TO BATCH RESAVE A LIBRARY

There are two main reasons to batch resave: Firstly it greatly speeds up the loading of patches once you have batch resaved them. Secondly, it can help you find missing samples and relink them to the patches so that you don't need to search every time you load a patch. Bear in mind that it can sometimes take a few attempts to batch resave, and if Kontakt crashes the first time you try, you could go into the instruments folder and batch resave a bit at a time -- go by sub folders for example, just to lessen the load on Kontakt.

Q: I WANT TO BUY A COLLECTION, BUT I ALREADY OWN ONE OR MORE OF THE PRODUCTS IN IT

Our cart will intelligently deduct the proportional cost of any products you already own from the total price when you get to the checkout.

Q: I'VE LOST MY SERIAL NUMBER FOR PRODUCT ACTIVATION

Emails get misplaced and you might find that you are out of luck when you need to find a past serial number. The best place to find all of your serial numbers would be to log into your Native Instruments account here: <https://www.native-instruments.com/en/>, and traverse to the My Products, Serials, And Downloads section. Under there you will find all of your serial numbers, including your Spitfire Audio serial numbers. If you find that the serial number you are looking for is not there, please contact us with all of the relevant information.

Q: I HAVE FOUND A BUG

In some cases we can't squash them all and bugs shamefully make their way through. If you think you have found a bug, please contact us with all the relevant information;

- A description of the bug you have found
- A screencast (video) of the bug happening, or an audio example
- The exact patch name (or patches) in question and also the library giving us as much detail as possible will help us get to the bottom of the issue.

Q: WHAT IS THE NCW COMPRESSED FORMAT?

This is Native Instrument's new lossless compressed sample format - we have managed to reduce the sample data pool by around 55% and this also shows a benefit in streaming for you, along with reduced hard disk space required.

Q: WHAT IS YOUR REFUNDS / RETURNS POLICY?

If you have NOT completed the download / installation process, then we CAN refund / return your product, please contact support with your account email address and order number so we can handle this quickly. If you HAVE completed the installation process (even if you've not yet registered your serial number), please see our EULA in regards to why we do not accept refunds and returns. We can refund hard drive orders up until the point when the drive is dispatched from our office. This is usually 2-4 days after you order.

Q: I'VE FORGOTTEN MY PASSWORD?

If you have forgotten your password, please go to [spitfireaudio.com/my-account/login](https://www.spitfireaudio.com/my-account/login), and click 'Forgotten Password'. If at some point in the past you asked us to merge two or more accounts but have since forgotten, you MAY find that the forgotten password isn't working for the email address you asked us to merge FROM. In this case, please contact support with your name, and any email addresses you think we might know about, and we'll work out what has happened.

Q: VEP - CONTROLS / GUI HAS DISAPPEARED!?

You need to 'connect' the instance of VEP to your sequencer, and send it some MIDI - then the controls will reappear. Unless the instance of VEP is 'booted up' by actually connecting it, Kontakt will not complete the setup of the instrument which includes drawing the GUI.

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