

"Big messages come in small packages...."

Rachel Naomi Remen

The Crow Hill Company thanks you for your purchase. Designed by professional composers with the sonic connoisseur in mind.

We're a small team and have worked hard to make everything as intuitive as possible. Our hope is this user manual can offer further help to best explain how to install and use our plugin.

In order to help you make music, your music, we have taken time to make this affectionate user manual get the best out of your purchase.

However if you find yourself still stuck with anything we have a great set of FAQ and videos at:

thecrowhillcompany.com/faqs

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WHATS IN THIS BOX MR CROW?

CROW HILL | SMALL STRING GESTURES

An armada of strings can create awe, an epic tidal wave of human emotion, of scale, of wonder.

But sometimes, we just want it to be intimate, truthful, personal, human. With Small String Gestures we hope to create a set of tools where individual instruments and instrumentalists playing style, strengths and frailties are apparent even within a group of players. Dialling up the personality and humanity of your piece.

We purposely selected a band size (3.3.3.3) that would ensure that our sampling style brought every individual within that ensemble into detailed beautiful and intimate focus. Providing your toolset with a different lens or aperture for you to play through.

We like to keep things moving, whilst this latest incarnation of our strings gestures is very much related to String Murmurations. There may be new features that make it worth RTFM.

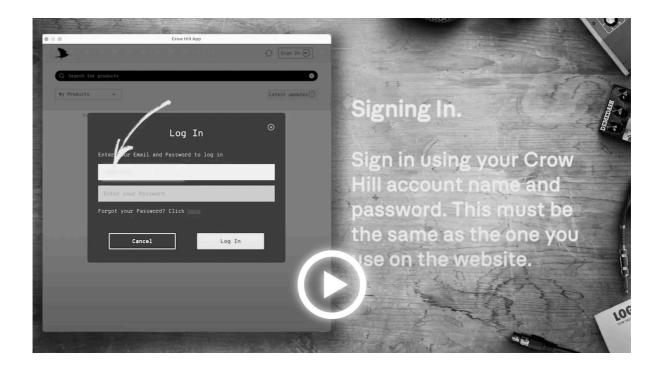
Small String Gestures are designed to make you approach composing from a totally new angle. One where it feels like there are musicians at your fingertips, not just samples.

This instrument was created at Clockwork Studios, with the world-class Scottish Session Orchestra; Playing some of the finest instruments through the finest microphones and mic pre-s available. Before finally being mixed and produced by world-class producers and engineers.

Our plug-in works within your preferred D.A.W (Digital Audio Workstation) i.e Logic, Ableton, Pro Tools, Cubase etc.

Within the plug in are 25 presets.





Installation of Crow Hill products couldn't be easier courtesy of our dedicated installer app.

Make sure you have this downloaded as you will require this to install Glass Strings.

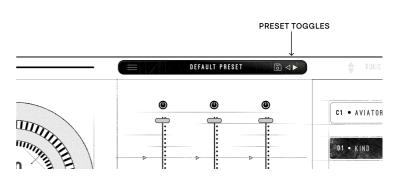
We've also prepared a simple overview of how the app works but also a suite of quick installation guides specific to your choice of DAW.

Everything you'll need is located here:

thecrowhillcompany.com/crow-hill-app

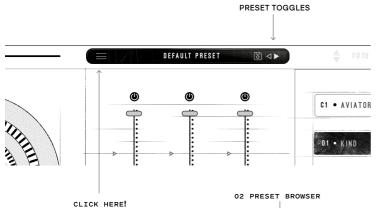
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All of the treasures found in this collection work directly in your D.A.W. If you want to get up and running quickly or audition some presets, simply load the plug-in, navigate to the top preset panel, and click the menu to see the fully integrated expression browser.

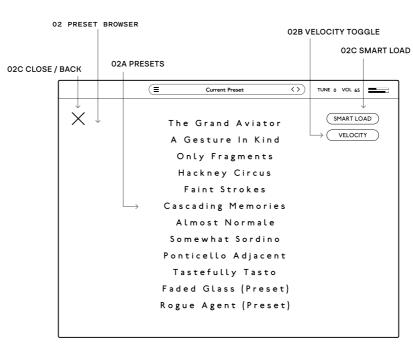


Whilst we'd encourage you to mess around with all the controls. The preset toggles will move you forward and backward through the different expressions.

THE BROWSER WINDOW



Whilst you can work your way through the presets using the arrow toggles there is also a way of getting to where you want even faster. By opening the preset browser panel.



02 PRESET BROWSER

This is where you get to play! Scroll up and down to reveal all presets in each section.

02A PRESETS - Click to load a preset, double click to return to the front panel.

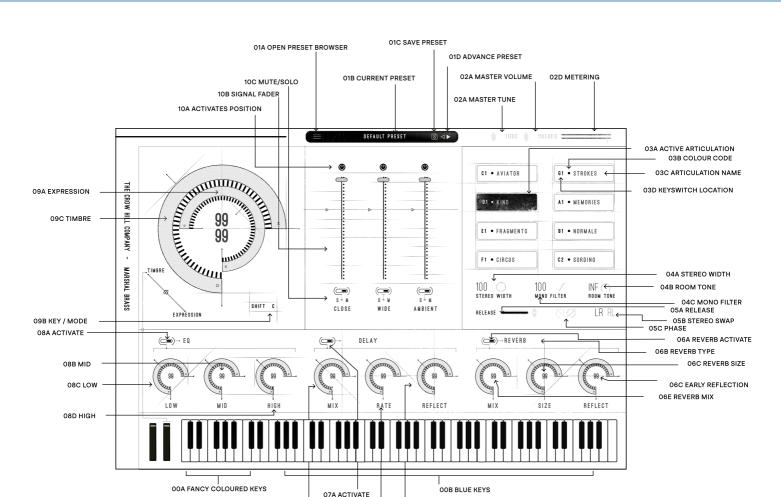
02B VELOCITY TOGGLE - If you want to control gestures through velocity toggle this on before loading presets.

02C SMART LOAD - When active, only loads the audio files you play into system memory.

02D CLOSE/BACK - Closes browser and returns you to the front panel.

FRONT PANEL OVERVIEW

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00 KEYBOARD

00A FANCY COLOURED KEYS - Denotes keyswitch location(s) 00B BLUE KEYS - The range of the articulation keyswitched

01 PRESET WINDOW

O1A PRESET BROWSER - Opens preset browser
O1B CURRENT PRESET - Indicates preset selected
O1C SAVE PRESET - Saves changes you have made to user location
O1D PRESET TOGGLE - Advances to next / previous preset

02 MASTER CONTROLS

O2A MASTER TUNE - Tunes whole instrument
O2B MASTER VOLUME - Changes volume of whole instrument
O2C METERING - Shows you when you overall output level

03 ARTICULATIONS / KEYSWITCHES

03A ACTIVE ARTICULATION - Shows articulation determined by 00A
03B COLOUR CODE - Shows which Key colour belongs to that articulation
03C ARTICULATION NAME - Articulation (double click to select)
03D KEY-SWITCH LOCATION - Displays key location (click to select)

04/05 ADVANCED MASTER CONTROLS

04A STEREO SPREAD - Adjusts Stereo Width of the instrument
04B ROOM TONE - Amount of included Room Tone (aka Noise)
04C MONO FILTER - Adjusts frequency at which signal folds to mono
05A RELEASE - Adjusts release envelope times (applies to longs only)
05B PHASE - Inverts phase of the instrument
05C STEREO SWAP - Swaps the channel assignment of the instrument

06 REVERB

07D REFLECT

07C RATE

07B MIX

06A REVERB ACTIVATE - Bypasses or activates effect
06B REVERB TYPE - Toggles Reverb Algorithm
06C REVERB SIZE - Adjusts time manipulation of the Reverb signal
06D REVERB REFLECT - Adjusts overall decay length
06D REVERB MIX - Midday = 50/50 dry/mix

07 DELAY CONTROLS

O7A ACTIVATE - Switches delay on/off
O7B MIX - Adjusts dry vs wet mix of delay effect
O7C RATE - Defines speed of delays
O7D REFLECTIONS - Adjust the number of "reflections" ie feedback.

08 EQ

08A ACTIVATE - Switches EQ on or off 08B MID - Boosts / Cuts amount of mid-range 08C LOW - Boosts / Cuts amount of low frequencies 08D HIGH - Boosts / Cuts amount of high-range

09 PERFORMANCE CONTROLS

08A EXPRESSION - Attenuates your performance (defaults CC11)
08B KEY/MODE - (Gestures only) pitch shifts to key/mode you're playing in
08C TIMBRE - Crossfades dynamic layers or utilises dynamic filtering

10 MICROPHONE MIXER

10A ACTIVATES - Switches on/off signal (indicates when live) 10B FADER - Adjusts signal volume 10C SOLO/MUTE - Toggles Solo/Mute

WHAT IS HYSTERESIS

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hysteresis /hIstəˈriːsIs/ noun

1. the phenomenon in which the value of a physical property lags behind changes in the effect causing it, as for instance when magnetic induction lags behind the magnetising force.

The act of creating sample libraries means you are always asking the players to play stuff that is incredibly easy. Which means the end result is always "together".

Which is fine if you're programming or composing simple stuff, this will sound true to real life. However when playing more difficult passages in real life it becomes harder to remain totally locked to each other's tuning or time keeping, which means less of a pure sound. Less of the fundamentals and where there's less fundamentals there's more character. Which is why a lot of sample-based music you hear on the TV, in games and films, sounds "characterless". The samples lack hysteresis because they were easy to play and because you're playing something that's difficult it doesn't sound natural, real, or human.

So what makes musicians hysterical?

Speed - The faster you get them to play the loser they will get
(meaning they will be less in time, but also less in tune).
Reach - The wider the gap between the notes the further they have to
reach, the less perfectly in-tune they will be.
Pitch - In general terms the higher you get a player to play the harder
it is. For wind instruments it takes more lung effort. For string
players it requires more intense accuracy (imagine a fretboard on a
guitar, notice how the frets aren't uniform and get closer together the
higher they get, now imagine playing an instrument without frets).

So we decided to get our players to play the hard stuff. They're not compositions, but mere fragments. Which is why you will not feel like you are playing phrases, you will instead feel like you have a string band under your fingers.

Gestures are the very real sound of reach & performance.

But most importantly, by not giving musicians easy stuff, they don't get bored. So you also have the sound musicians make, when they're smiling... hysterically.

WHY SMALL STRINGS?

The effect of hysteresis on a large section (as you will find with String Murmurations) is a silky blurry sound. However there are times when we don't want that awe, epic, huge scale. But instead something more intimate, more personal, more human. Our theory was that if we were to get a string band small enough, the impact of Hysteresis wouldn't be a blurring, but instead an exposure of each player. Their own styles of bowing and vibrato, their own fragilities to help your audience connect more with the human nature of your music.

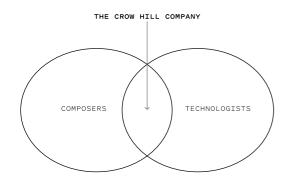


CROW HILL I SMALL STRING GESTURES

gesture /ˈdʒɛstʃə/ noun

 a movement of part of the body, especially a hand or the head, to express an idea or meaning.

Phraselets, transitions or as Bernard Herrmann referred to them, "cells". We've settled on **Gestures**. They're not music, they're the secondary colours that go into making it. Where the notes, rhythms and arrangements are the language of music. Without that human element, the gestures, inflections and nuances, music can become un-human sounding. Yes we have done these because they're fun to work with, but there is a more fundamental reason for them and it is the saddening fact that samples are really really bad at sounding alive. The best orchestral programmers in the world have a vast and intimate knowledge of symphonic instruments and how players adjust their playing style to create human-like gestures. We're not all the beneficiaries of that knowledge though, nor indeed are blessed with the time it takes to mimic humanity. So we've decided not to. The way you're about to make music is about to change, alongside the music you make.



This is where we bring two disciplines together for the first time. We have designed a system that is as akin to composing as it is to technology. Our Gestures allow you to create an almost infinite number of possibilities with which to make music, your music. Because of this combination of disciplines you yourself will feel these musicians playing YOUR music, not you playing the music written by someone else.

HOW TO USE THEM

1. Pull up a gesture preset, play a long sustained chord using just the "in key" notes on your keyboard controller.

...and that's it.

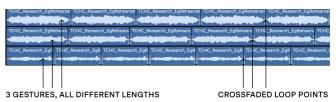
All the white notes tend to refer to the key of C, a happy primary colour, or A min, a sad primary colour. With various "modes" which contain more nuanced and complex harmonic colours. Gestures will work in any key or mode you like. Just change the key or mode with the "shift" function and adjust the relative major scale accordingly.

All gestures have been imagined for a wide array of emotional purposes. From sweeping, grand and epic. To romantic, atmospheric & even a little scary. Dive in and see what works for your mood. Please note this manual doesn't come with a shovel to get you out of the rabbit hole it'll send you down.

HOW TO CREATE A MURMURATION

When you hold down a chord you will notice the effect that gave this collection of samples its name. This is caused by engineering in a-symmetrical gestures.

BY ALLOWING GESTURES TO GO OUT OF PHASE YOU HEAR YOUR MUSIC VARY CONTINUOUSLY FOR THE DURATION OF YOUR CHORD.



TROUBLESHOOTING

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I Can't Hear Anything!

As much as we all love John Cage, we are sure you want to hear your instrument. Included in each instrument are a few utilities that can be used to diagnose some likely causes.

Each plug-in has a combination of ways to control the overall volume.

- Ensure Expression (CC11) is at its maximum value.
- If included, check that the mixer controls are not set to -Infinity or muted (m).
- Check that your Master Output Volume is not set to its minimum value (- Infinity).

This can be quickly checked by looking at the Volume Meter, which should be moving while sound is passing through your instrument.

Still no luck?

If you have tried the above and still hear nothing, the onscreen MIDI keyboard can be directly played by Left-Clicking a piano key in the user interface.

If you can now hear the instrument then the issue is likely the connection between your MIDI keyboard and your workstation's associated track.

Ensure there are no loose connections, triple-check your MIDI input settings, and remember to arm your track.

Help! My Plug-In's interface is entirely blank.

Don't worry. Looks can be deceiving, this means the plug-in is unable to locate the audio (.blob) files.

Ensure your external drives are connected and restart your digital audio workstation (D.A.W).

Unable to locate your .blob files, lost track of where you installed them, or had the misfortune of misplacing a drive? Simply re-run the installer to be up and running in no time.

We recommend frequent back-ups of your system, as well as archiving your instrument installer files to ensure a speedy recovery should it ever be needed.

How Do I Relocate My Instruments Audio Files?

The simplest way to relocate your instrument's audio files (.blob) is to delete the previous files (where you previously installed your .blob's) and re-run the installer, selecting the newly desired install location.

This ensures no files are accidentally removed and will automatically overwrite any pre-existing instrument files.

APPENDIX - SCALES AND MODES

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Whilst we won't attempt to explain one of the more complex fundamentals of music theory, we do want you to get the best out of your purchase. So, gestures and scales. How do these work?

The way of determining a scale is its tonic. Basically the note you return to the most. A scale is defined by its relationship to that tone.

When looking at a keyboard, playing all the white notes and returning to the "C" will give you the most pleasant tonal character. It is the thing of nursery rhymes and Christmas carols. However it has a darker twin, if you play all the white notes but return to the "A" most of the time you will have a sadder tonal quality. The "C" scale is a major one, the "A" is a Minor (strictly speaking a diminished minor). These are both modes, and there's not just two, there's seven.

Without shifting the key of any gestures you are playing you can alter the tonal character of the music by simply changing the tonic whilst playing just the white notes. Modes have funny names too. 7 white notes, 7 tonics, 7 modes.

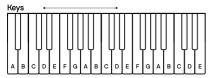
Mode Key

Does Everything

Take me seriously, worrying, intense, time to act, this sh*t is about to get real.

Weird Greek-God Name

Dorian



Notation	Transposition Calculator											
&	-2	-1	0	1	2	3	4	5	-6	-5	-4	-3
	С	C#	D	D#	E	F	F#	G	G#	Α	A۶	В

Mnenomic:

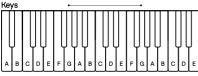


Good For Romcoms

Doing something positive with no guarantee of a positive outcome.

Weird Greek-God Name

Mixolydian

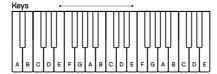


5 -6 -5 -4 -3 -2 -1 0 1 2 3 4 C C* D D* E F F* G G* A A* B

Exotic

Mystical, unusual, unsettling, slightly dark.

Phrygian



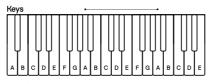
Transposition Calculator -4 -3 -2 -1 0 1 2 3 4 5 -6 -5 C Cs D Ds E F Fs G Gs A As B

Always Sad

Loss, loneliness, no hope

Weird Greek-God Name

Aeolian



3 4 5 -6 -5 -4 -3 -2 -1 0 1 2 C C+ D D+ E F F+ G G+ A A+ B

Mode Key

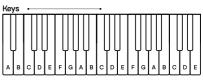
Mnenomic:

Cheese

Set the scene, all is good, resolution, happiness.

Weird Greek-God Name:

Ionian



0 1 2 3 4 5 -6 -5 -4 -3 -2 -C C* D D* E F F* G G* A A* B

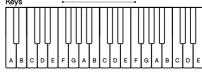


Forever Hollywood

Positive & happy with a sparkly hint of adventure.

Weird Greek-God Name:

Lydian



Notation

Transposition Calculator

-5 -4 -3 -2 -1 0 1 2 3 4 5 -6 C C* D D* E F F* G G* A A* B

Mode Key

Mnenomic:

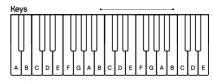


Broken

Totally ambivalent with no chance of a satisfying resolution

Weird Greek-God Name

Locrian



Notation

1 2 3 4 5 -6 -5 -4 -3 -2 -1 0 C C* D D* E F F* G G* A A* B

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Small String Gestures wouldn't be possible if it wasn't for the efforts of these amazing, talented and generous individuals.

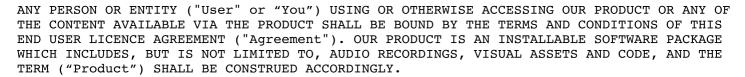
Conductor:Adam Robinson
Leader:Gregg Lawson
Engineer:David Donaldson
Co-producer / Musicians Contractor:Kobus Frick
Orchestration:Jack McKenzie
Orchestration:Joshua Hicken

All of us at Crow Hill would like to offer our sincerest thanks to all of the musicians who took part. Everyone at Clockwork Studios. The undying support of our family and friends getting this across the line.

But most of all, to you for buying it. Without you we wouldn't get to play with such a wonderful train set.

APPENDIX - EULA

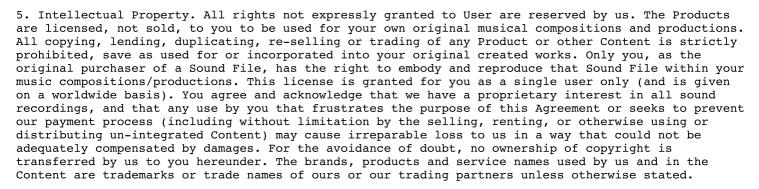
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APPENDIX - EULA (CONTINUED)

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- 15. Entire Agreement. This Agreement constitutes the entire agreement between the parties on the subject matter hereof. There are no understandings, agreements, or representations, oral or written, not specified herein regarding this Agreement.
- 16. Force Majeure. We will not be liable or responsible for any failure to perform, or delay in performance of, any of our obligations hereunder that is caused by events outside our reasonable control including but not limited to: natural disasters (fire, storms, floods), governmental or societal actions (war, invasion, civil unrest, labour strikes), infrastructure failures (transportation, energy, electricity), or any epidemic or pandemic.
- 17. Severance. If any part, term, or provision of this Agreement shall be held by a court of competent jurisdiction to be illegal, unenforceable, or in conflict with any relevant law, the remaining portions or provisions shall still remain valid and continue in full force and effect.
- 18. No Waiver. No waiver, express or implied, by either party of any term or condition or of any breach by the other of any of the provisions of this Agreement shall operate as a waiver of any breach of the same or any other provision of this Agreement.
- 19. Variation. This Agreement may be varied from time to time and any such amendment will be applicable from the date and time such revised terms have been made publicly available. Your continued use of the Product constitutes agreement with and acceptance of any such amendment or other changes.
- 20. Law and Jurisdiction. This Agreement shall be governed by and construed in accordance with the laws of England and any disputes shall be subject to the exclusive jurisdiction of the Courts of England.
- 21. Contacting Us. If you have any questions, please contact us at www.thecrowhillcompany.com/faqs