USER MANUAL

ERIC WHITACRE CHOIR

USER MANUAL

CONGRATULATIONS

Thank you for purchasing Eric Whitacre Choir. Hard-wired to humanity, nothing gets to the heart of music like the human voice – and Spitfire's most anticipated release to date is a choir that captures the breathtaking range of our most personal musical instrument. Crafted and conducted by Grammy winner Eric Whitacre, and showcasing his elite family of singers, this encyclopaedia of the voice will enrich your composition. It will also blow away any dusty perception of the choir as a niche, occasional ingredient, reserved for angels and demons. With these sounds at your fingertips, you will start to think differently about the human voice. For this library we returned to the luxury of Lyndhurst Hall at Air Studios, which means Eric Whitacre Choir shares the acoustic DNA of Spitfire's orchestral catalogue, and will work hand in hand with those libraries.

Quick Specs

MAC SYSTEM REQUIREMENTS
Mac OS X 10.10 or later, Intel Core 2 Duo

PC SYSTEM REQUIREMENTS
Windows 7, Windows 8, or Windows 10 (latest Service Pack, 32/64-bit) Intel Core 2 Duo or AMD Athlon 64 X2

• 88550 Samples
• Disk space required: 164.59GB
• Disk space required during install: 170GB
• 170 Techniques
• 247 Presets

• Dedicated plugin (AU, VST2, VST3, AAX)
• Deep sampled:

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WELCOME

To Capture A Sacred Gem

"THE HUMAN VOICE CARRIES TERABYTES OF EMOTIONAL INFORMATION. THE IDEA THAT COMPOSERS CAN HAVE THESE SOUNDS AT THEIR FINGERTIPS JUST THRILLS ME"

When Paul and Christian approached Eric with the idea of sampling his choir, he took time to consider the project – and eventually realised this was the perfect vehicle with which to free composers from preconceptions about the voice and how it can be used in music. Eric Whitacre Choir is an exceptional library, filling 200GB of audio, but it is not designed to be treated as an exception. Go beyond the choral cliches of sacred, angelic and apocalyptic and use this as a versatile set of instruments, made to join forces with the rest of your Spitfire players.

"I write orchestrally for the voice; that's the way I think about it," says Eric. "The palette of colours is much broader than many people think when it comes to just using voices: from delicate whispers to gritty sounds at the back of the throat, to shimmering clouds of overtones."

Eric soon found himself at home with the microscopic detail of sampling. It reflects his composing method, with which he crafts every sinew of sound to have its own musical life and integrity. He calls this "hyper-musicality". Over weeks of recording, Eric conducted his choir for every thread of music in this Spitfire library, conjuring sounds that range from familiar vocal techniques – including vowels and open vocalisations whose harmonic content transforms with changes in mouth shape – through to more unusual articulations, including shorts and rhythmic passages.

The Choir

Eric Whitacre Choir is one of our biggest libraries. We've taken a decade of sampling experience and applied this approach to give music-makers a choral library that uses voices just like another section of your orchestra. In addition to a full orchestral set of samples, we have also recorded a stunning Evo Grid, with each element sculpted by Eric. With the help of design and user experience-agency UsTwo (Monument Valley, DICE), Eric Whitacre Choir is a bespoke, self-contained plugin (VST2, VST3, AU, AAX), developed primarily for composers, by composers. A composition tool that's easy to use, intuitive and inspiring.

There are 22 singers in total: six soprano, five alto, five tenor and six bass. In the Choir section you will find a total of 170 techniques, while the Evo Gid packs 111 Evolutions.

The EVO Grid

Where the choir meets Spitfire's unique Evo Grid technology, a new instrument is born – one that so impressed Eric he said, "Frankly I wish I could compose like this in everyday life." Simple in principle, inspiring in practice, the grid takes samples that change in different ways over time and arranges them across the keyboard. Play a single gesture or chord and it will weave a micro-composition that never stands still. Construct your own evolution, or hit the randomise button to generate automatically a unique instrument from an almost infinite array of possibilities. Always original, and always musical.

Eric Whitacre

Listening to Eric's music, you wouldn't imagine he grew up in Nevada, surrounded by the dust of the desert. It is a landscape that seems alien to the traditional view of choral music. Yet these open spaces and huge skies have helped create his unique sound. "It somehow found its way into my sense of aesthetic, and even into making the sample library. There's a lot of the open desert in there. What I love about the west coast of America and the desert is that it's pregnant with possibility, and that found its way into the sound." After high school, which was spent writing electronica and listening to Kraftwerk and Depeche Mode, Eric went to study in Las Vegas and – on a whim – joined a choir. "It absolutely changed my life. It was like hearing my real name for the first time. I thought, that's the sound that's been in my heart my whole life. It was a singular moment and it absolutely transformed me."

As conductor of the Eric Whitacre Singers he has released several chart-topping albums, including 2010's best-selling Light and Gold. A sought-after guest conductor, Eric has conducted choral and instrumental concerts around the globe, including concerts with the London Symphony Orchestra, Royal Philharmonic Orchestra and the Minnesota Orchestra. In addition to several collaborations with Hollywood composer Hans Zimmer, he has worked with British pop icons Laura Mvula, Imogen Heap and Annie Lennox.

The Singers

"London is where I found this amazing group of singers," says Eric. "There's this group of 70-80 singers in London who sing for the best choirs in the world. Over the years I have selected my favourites – not only singers, but personalities. So it's just this beautiful family. I love these people."

The Eric Whitacre Singers have established themselves as one of the finest ensembles of the day. This professional choir draws in audiences with a wide spectrum of age, interests and backgrounds, performing Monteverdi and Bach to Whitacre, Lauridsen and Britten. They received unanimous praise from critics and won a Grammy award for Best Choral Performance for their debut album, Light & Gold on Decca/Universal.

"I am humbled by the level of musicianship and the musical intellect, and they are lovely people. When I write I have these singers and their faces in mind. Even if they're not the ones who eventually sing it, these are the people I have in mind."

DOWNLOADING & INSTALLING

Thank you for buying Eric Whitacre Choir. 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 the 'Spitfire Audio App' from this link: this app will enable you to download the library http://www.spitfireaudio.com/info/library-manager/

THE SPITFIRE AUDIO APP
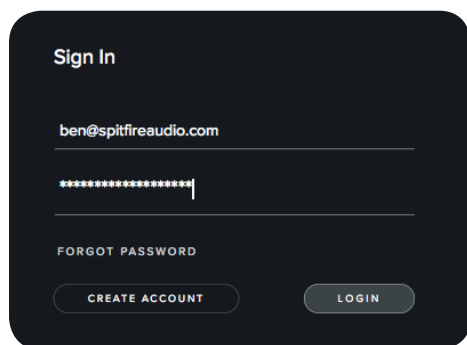
When you launch the app you will be prompted to login using the same details you use at our site. Then you'll see the page pictured below:

TABS the default tab is **My Products**, which shows all of the libraries on your Spitfire Account. **Downloads** will show currently downloading products and **Preferences** allows you to set default locations and behavours as described on the next page.

FILTERS clicking these filters will quickly display products you've yet to install, those already installed, and any available updates. Clicking again will remove the filter.

LIBRARY All libraries and plugins in your collection will appear with their artwork on the **My Products** tab. Clicking this artwork will open the product page. This is a great place to find information such as system requirements and insructions as well as where to find **Reset** and **Repair** options.

INSTALL/UPDATE buttons allow you to quickly start a download directly from the **My Products** tab, instead of clicking through to the **Library**. Next to the button the size of the download is shown, you will need twice as much available space to allow the download to unzip correctly.

THE SPITFIRE APP PREFERENCES
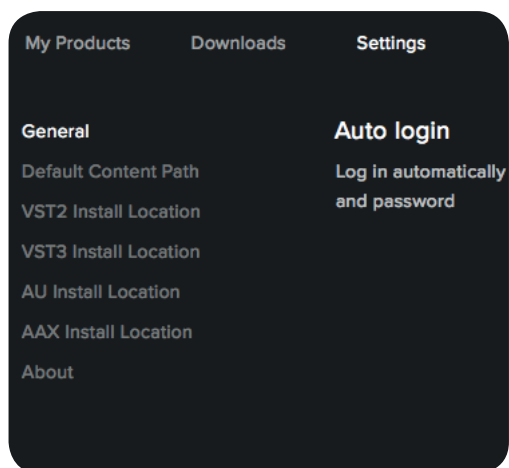
If this is your first time using the Spitfire Audio App for a download you may wish to first navigate to the **Settings** tab. Here you can set the **Default Content location**. You can also set the default **VST2 install location**.

In addition, you can enable **Auto Login** to have the app remember your password for the next time you log in.
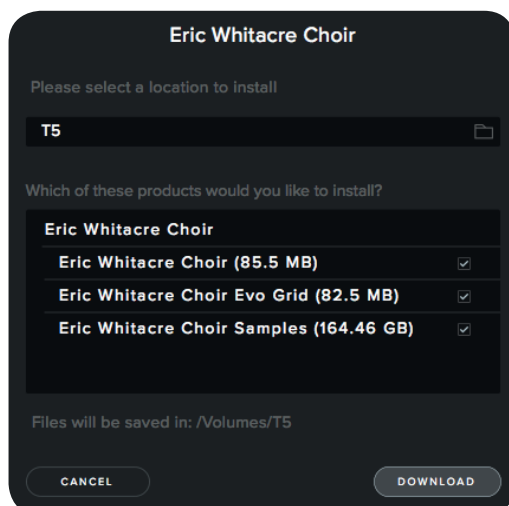
Once you are happy with your preferences, click the **Install** button under the artwork.

You will be prompted for a location to store the samples, patches and presets for the library, the **default content location** in your **preferences** will be suggested but you can select any suitable location. If you ordered the library on a hard drive, copy the Spitfire Audio - Eric Whitacre Choir folder into your chosen location and then choose that location when prompted.

Other supporting files such as .component and .aax will be installed in the correct location automatically.
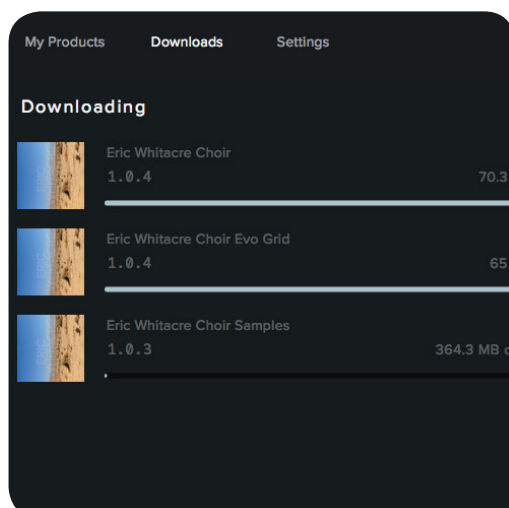
After clicking download you will be taken to the Downloads tab where you can watch the progress of the download. You can of course leave the Downloads tab but you should leave the Spitfire App open until the download completes.

AN ALL NEW PLUGIN

Unlike many Spitfire libraries, you don't need Kontakt to use this library. Eric Whitacre Choir is its own, all new, self contained plugin built for VST, AU and AAX, so once you've downloaded and installed you're ready to go. The image below shows how you would open Eric Whitacre Choir in Apple's Logic Pro X. We've clicked on software instrument and have scrolled to the stereo version of Eric Whitacre Choir via the dedicated 'Spitfire Audio' Folder.

Here is Eric Whitacre Choir being loaded into Cubase.
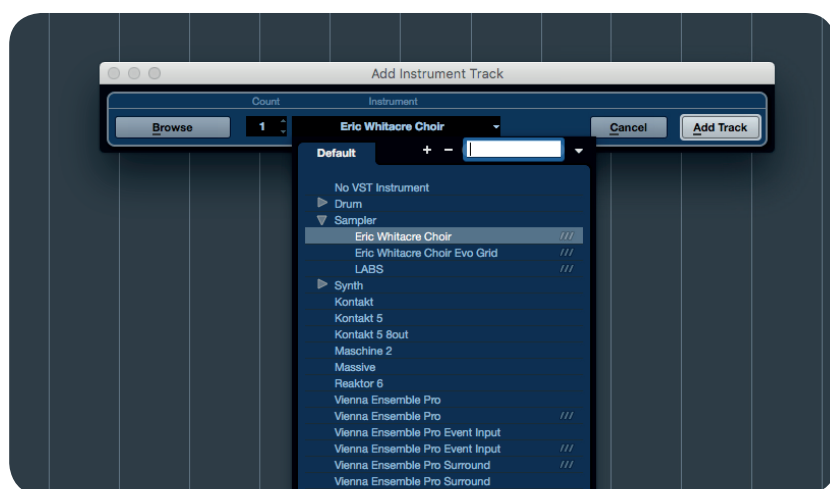
And finally, as an AAX on an instrument track in Pro Tools:
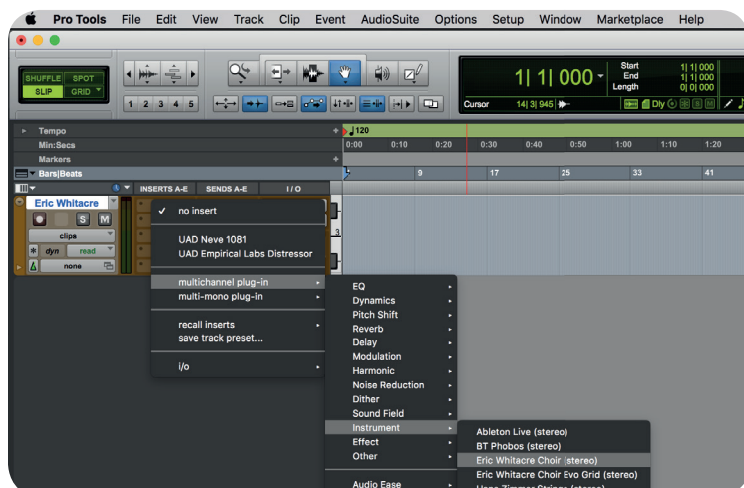
A QUICK LOOK

OUR NEW INTERFACE!

OPENING YOUR FIRST PRESETS.

When you first open Eric Whitacre Choir, this is what you will see. It opens with a blank preset, so you can load any preset you choose first.

HAVE A LOOK AROUND

TOP MENU

PRESET SELECTOR

MAIN CONTROLS

SIGNAL MIXER

TECHNIQUE SELECTOR

CONTROLLERS

KEYBOARD AND INFO

PRESET SELECTOR

1. PRESET NAME

Here you can see the currently selected preset. Note that some presets are single techniques, like "Breathy Mmm", others are collections of techniques, like the "Tutti All In One".

2. INSTRUMENT GROUP

As you scroll through the available presets, the instrument group is displayed here.

3. CLEAR FILTERS

Click here to show all instruments at once.

4. FILTERS

Click on a filter to only show those presets. The filters are subtractive, so selecting "Alto" and "Legato" will show you only the Alto Legato presets. Click the "Clear" button to return to a view of all presets.

5. NEXT, PREVIOUS AND SAVE

With the presets view collapsed, you will be able to see the Next, Previous and Save icons. Next and Previous will simply send you to the next available preset - if you have a filter enabled, you will scroll through the filtered set of presets. Save allows you to save your own preset, click save, name the preset and it will appear under the "user" filter.

6. PREVIEW

Play back a short example of the preset without having to load it! Enormously helpful when choosing a sound.

7. PRESET LIST

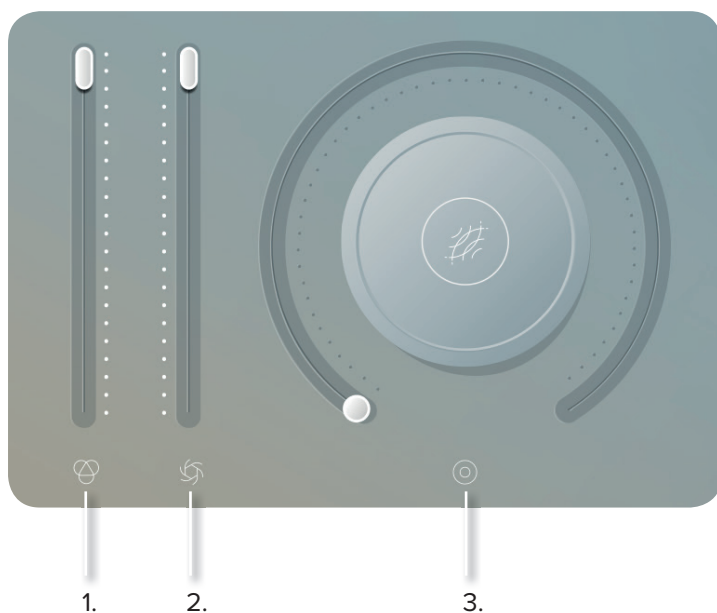Scroll through the list of presets here. Double-click to load a preset or click the Load button.

8. INFORMATION

Hover over on the "i" icon to see some information about the preset.

9. LOAD

Select a preset and then press "load" (or double-click the preset).

MAIN CONTROLS

1.   2.   3.

1. VOLUME

Often referred to as "Expression" in our Kontakt Libraries, this is a simple level control for you to adjust along with...

2. DYNAMICS

Adjust the dynamic layer that you are playing here, use in conjunction with the volume to make your performances sound so much more musical than before!

3. KNOB

The configurable knob allows you to control any of the other available parameters for the technique.

Hover over the knob and it will turn black

Click and you will be able to assign any of the remaining available controls to the knob.

Right click on any of these controls to assign them to a MIDI controller. Remember that if you assign a MIDI controller to a parameter via the knob, the MIDI controller will follow the parameter rather than being permanently assigned to the knob.
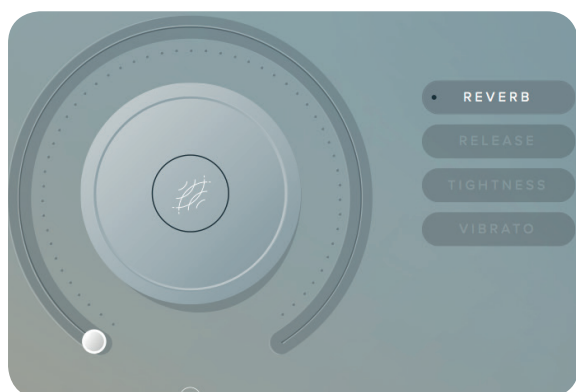
SIGNAL MIXER

1. MIXER PRESETS

Load and save your own mixer presets here, this is a good way for you to share your mixes across different instruments and presets. Click on the down arrows to save and the up arrows to load.

To rename a preset after saving or delete a preset, browse to Spitfire Eric Whitacre Choir > Presets > mix in the finder and edit the .mpreset files.

2. TECHNIQUE NAME

3. ADVANCED

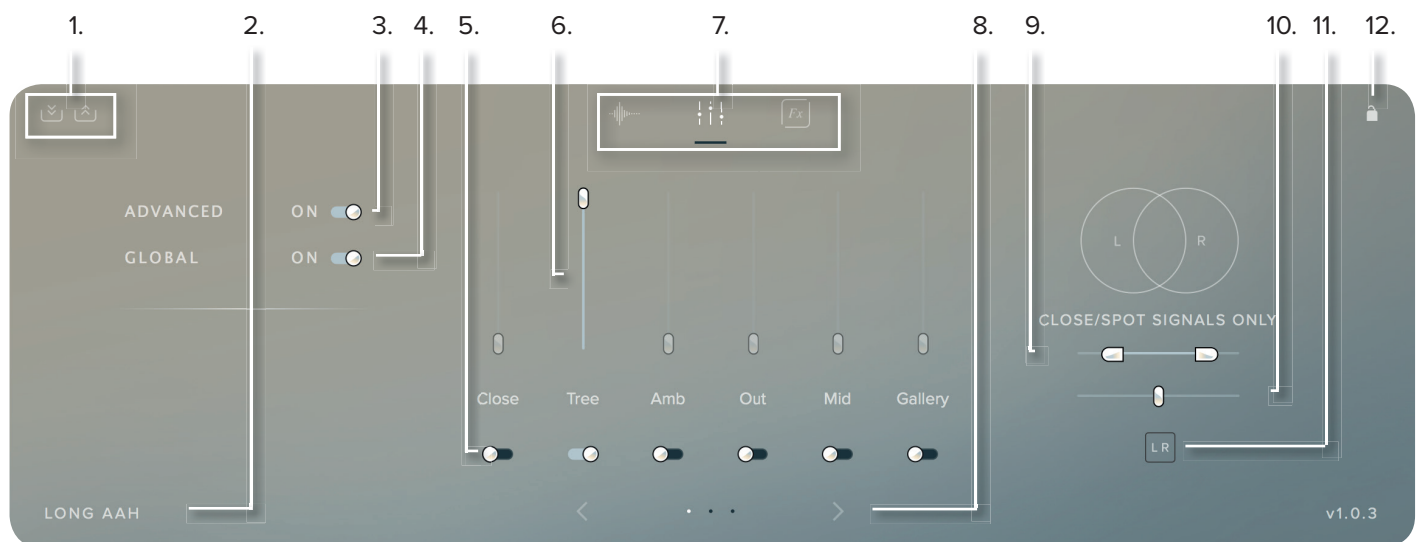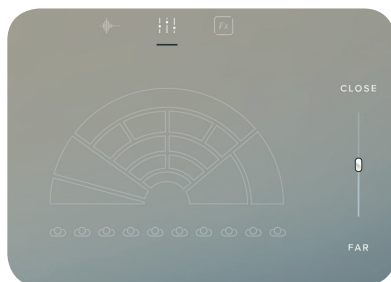By default, the mixer will load up in the advanced view, turn it off to show this simple view:

In this view, you can adjust how close the instruments sound with a single fader. Under the hood, this will adjust the Close, Tree and Ambient signals.

4. GLOBAL

By default, this is "on" and means that any changes you make to the mixer are replicated across any technique in that particular preset.

5. SIGNAL ON/OFF

Here you can turn signals on or off (you can also turn them on by fading them up). If you turn a signal on, pay attention to the LED in the top left of Eric Whitacre Choir, if it is flashing red, it means that the samples are still loading into RAM and you should wait before playing again to avoid glitches.

6. SIGNAL FADER

Adjust the level of each signal here, right-click to learn MIDI cc# automation.

7. VIEW SELECT

Choose between the Technique Switcher, Mixer and Effects, the Technique Selector and Effects are covered in different chapters of this manual.

8. SIGNAL NAVIGATION

Click the right arrow to access additional signals. Unused signals are greyed out.

9. STEREO WIDTH

Adjust the stereo width of the close and spot signals here. Right-click to assign to a MIDI cc#.

10. PAN

Adjust the position of the close and spot signals within the stereo field. Right-Click to assign to a MIDI cc#.

11. INVERT

Click to swap the left and right channels.

12. LOCK

Click to lock the Mixer. This will prevent further changes to the mixer, useful if you're happy with what you've done and don't want to accidentally change it. This will even prevent changes made by MIDI controllers, but beware, as soon as you unlock the mixer, the control will be active.

TECHNIQUES

LONG

The basic standard singing style, recorded with and without vibrato. Here we can choose from a number of different vowel sounds. The long vowels are Aah, Mmm, Ooh, Oh, Breathy Aah and Nanana.

SHORT

The second basic standard singing style. The short vowels featured for this technique are Aah, Mmm, Ooh, Oh and Breathy Aah.

LEGATO

Legato in this context refers to the technique of capturing the sound of a voice moving from one note to the next.

Capturing this detail gives a lot of added realism, but means that you need to play monophonically (one note at a time). The legato vowels are Aah, Mmm, Ooh, and Oh.

EPISODIC

Episodic articulations are the sound of a single vowel combined with short burst of another. This can be great for creating a unique textural bed when playing long spread chords.

MICROTONAL

Beginning with a soft timbre, over time slight pitch variances are introduced creating a dark and dissonant vocal sound. Great for tension!

CLASHES

Splits the section with some recorded 'clashes' of 2 separate intervals. These range from Minor 2nd all the way to a Perfect 5th.
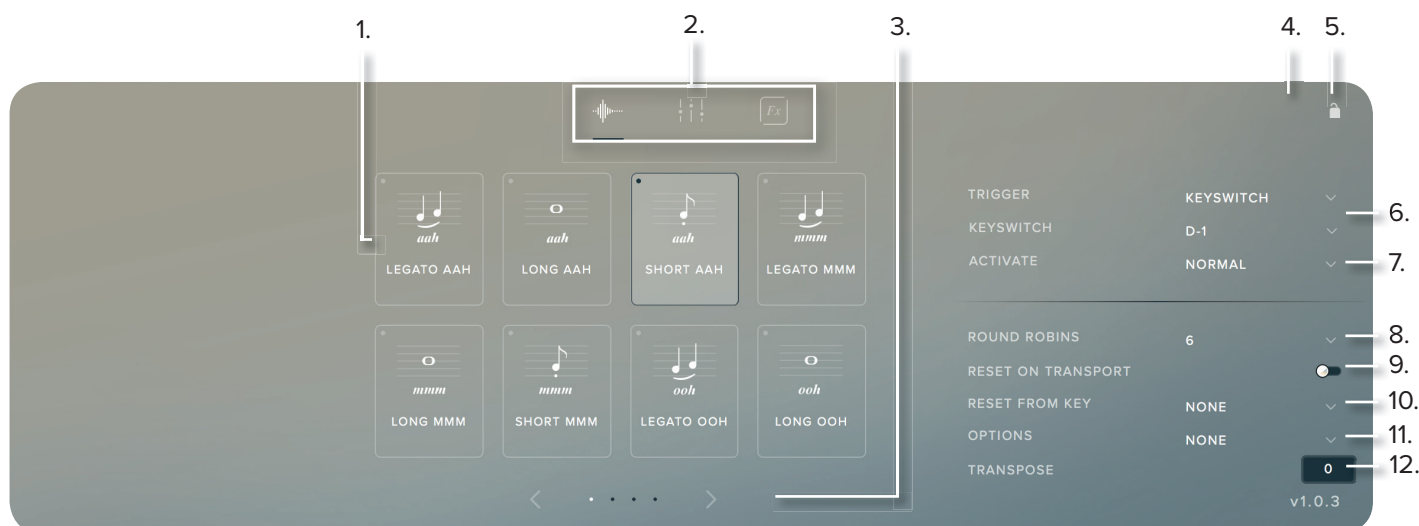
SWELLS

Swells will begin soft and gradually increase in dynamics. Once the peak of a swell is reached it will return to the softer dynamics and repeat. The result is a gentle wave-like effect.

FX

A unique selection of effects sung by the choir.

TECHNIQUE SELECTOR

1. TECHNIQUE SWITCHER

Click to select a technique. Shift-Click to select multiple techniques. The black dot in the top left shows which technique(s) will play, the black outline shows which technique will be affected by any changes you make to the other options in this page.

2. VIEW SELECT

Choose between the Technique Selector, Mixer and Effects. The Mixer and Effects are covered in different chapters of this manual.

3. TECHNIQUE NAVIGATION

Click the right arrow to access additional techniques.

4. KEYSWITCH ADJUST

Click and drag to move the keyswitches to the left or right on your keyboard.

5. LOCK

Click here to lock off the technique section and prevent any unwanted changes.

6. TECHNIQUE TRIGGER

With the technique trigger section you can choose to trigger techniques using various parameters:

Keyswitch - Pick a key on the keyboard that will select this technique. The selected keys will show up in green for unselected techniques and in orange for selected techniques:

CC Range - Choose a cc# and a range of values (or a single value) for the control that you want to trigger this technique.

VEL. Range - Switch technique based on how hard you are playing! You might want to trigger longs when playing softly and shorts when playing hard.

MIDI Channel - Switch techniques based on the incoming MIDI channel.

Speed - Switch technique based on the speed of playing. Specify the time interval between notes to switch to a particular technique.

7. ACTIVATE

Choose between "NORMAL" and "LATCH" for your technique switching.

8. ROUND ROBINS

Round robins are a way to ensure that repeated notes don't sound robotic and unnatural. We record the same note multiple times and then cycle through them. Here you can choose to reduce the number of round robins that are being used.

9. RESET ON TRANSPORT

If you're worried about the effect of the round robins making each run through of your session sound different, you can choose to reset the round robins using the DAW transport.

10. RESET FROM KEY

You can also reset the round robins using a keyswitch. Choose that keyswitch here.

11. OPTIONS

Neighbour Zone RR - Double the number of round robins by "stealing" notes from neighbouring notes and transposing them to match the pitch.

Layer x2 - Thicken the sound by layering round robins on top of one another. This option will play round robins 1/2 followed by 3/4, effectively halving the number of round robins.

Layer x2 (No skip) - Same as above but this time you will be playing 1/2 followed by 2/3 and so on, meaning that you will not halve the number of round robins available.
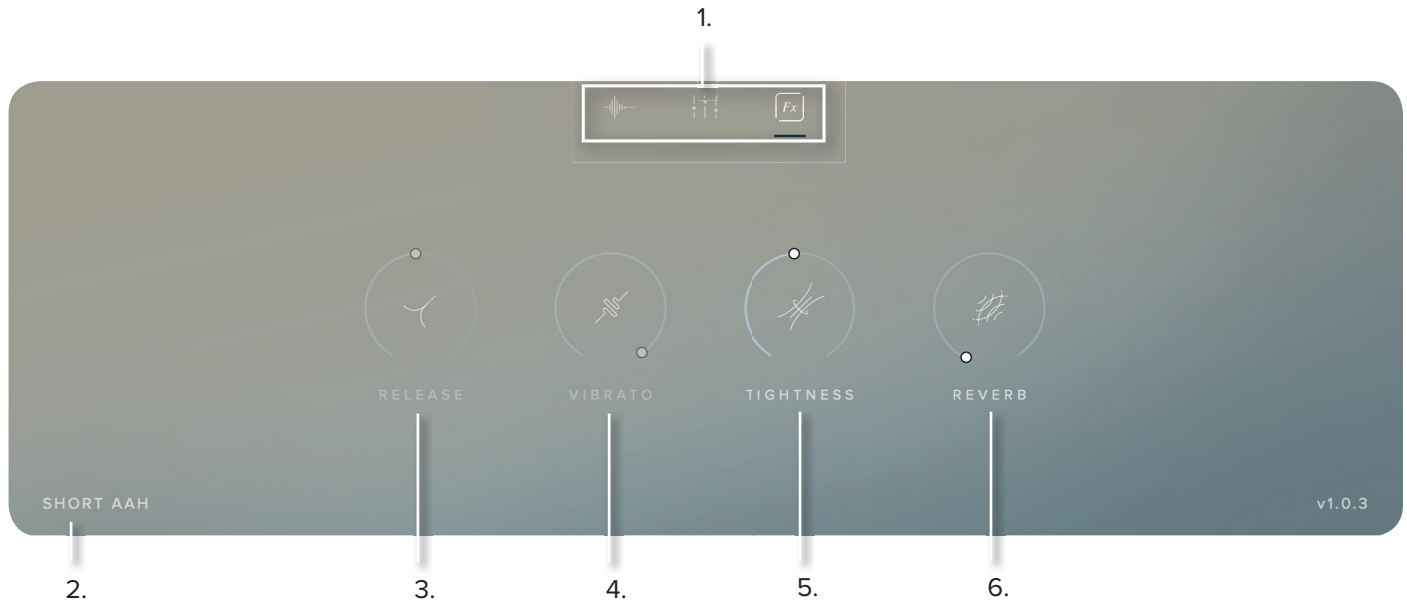
Layer +2 - This option will play the round robins from the tone above the key played but transposed down so that it plays at the right pitch.

Layer -2 - This option will play the round robins from the tone BELOW the key played but transposed UP so that it plays at the right pitch.

12. TRANSPOSE

Transpose the instrument up or down in 1 semitone increments.

EFFECTS

1. VIEW SELECT

Choose between the Technique Selector, Mixer and Effects, the Technique Selector and Mixer are covered in different chapters of this manual.

2. TECHNIQUE NAME

3. REVERB

You can add additional reverb to the sound here. Right-click to learn cc#

4. RELEASE

Allows you to change the amount of release trigger you and your listeners hear. This only applies to Long techniques. Right-click to learn cc#

5. TIGHTNESS

The start of a note is often not the start of the 'sound' of the instrument. This cuts further into the note to make it tighter. But does detract from realism. Worth tightening up when playing in, then loosening and putting a negative delay into your DAW to compensate for ultimate reality! This only applies to Short techniques. Right-click to learn cc#

6. VIBRATO

Where appropriate this crossfades from no (or senza) to lots (molto) vibrato. Right-click to learn cc#

TOP MENU

1. 2. 3. 4. 5. 6.   7. 8. 9. 10. 11. 12. 13.

1. LED

Shows when an instrument is loaded by lighting solid green. If this is flashing, your instrument is not loaded yet

2. CPU METER

An indication of how much your CPU is being taxed, the green flash next to the CPU meter will turn red when you are overloading it.

3. DISK METER

How hard are you taxing your hard drive? If this is close to, or going over 100% it's time to consider a faster drive. See next page for settings that can help get the most out of a slower drive

4. MEMORY

This shows how much RAM you are currently using in this instance of Eric Whitacre Choir. While the preset is loading, this will show the instrument loading into memory.

5. VOICES

Shows how many voices are being used at any one time.

6. REFRESH

Refresh the instrument, alt-click to refresh the whole plug-in. This can be useful if you have hanging MIDI notes or have moved samples in your file system

7. MIDI CH

Set the MIDI channel that will control the instrument here. If in doubt select "all" so that the instrument will react to any incoming MIDI messages.

8. TUNE

Move this knob to tune in semitone increments, shift-click to move in increments of 0.01 of a semitone. Alt-click to reset to default

9. PAN

Pan the whole plug-in left and right in the stereo field. Alt-click to reset to centre.

10. VOLUME

Control the overall volume of the instrument.

11. LEVEL

A visual indication of the level of the instrument.

12. PRESET SETTINGS
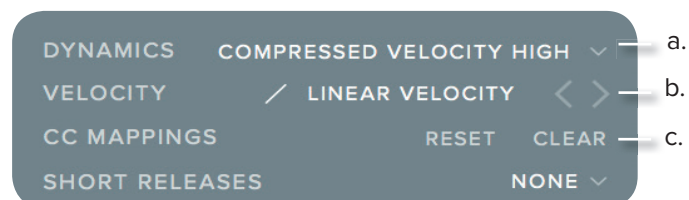
a. **Velocity mapped to dynamics** - Here you can choose from up to 4 different behaviours for the Dynamics fader. 1) Full Velocity Range. 2) Velocity Mapped to Dynamics. 3) Compressed Velocity High. 4) Compressed Velocity Low.

b. **Velocity response** - Pick from 4 different velocity curves to suit your controller.

c. **Reset CC Mappings** - Clicking on this will reset all of the CC mappings for this instrument to the defaults - useful if you've got yourself in a mess! **Clear CC Mappings** - Delete all CC mappings - this is good if you have a clear idea of what parameters you want to control and want to start from a clean slate!

For a list of all the default CC mappings, please see Appendix C.

13. PLUGIN SETTINGS
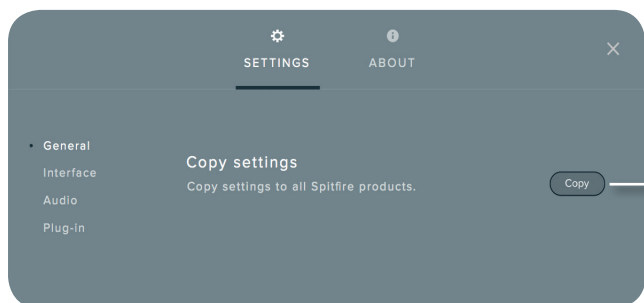
a. Copy Settings - Common Controller values will transfer over to other Spitfire Products

b. Help Text - Turn this on to display parameter information in the bottom left corner of the plug in.

c. Default size - Set whether the instrument opens up collapsed or expanded by default.

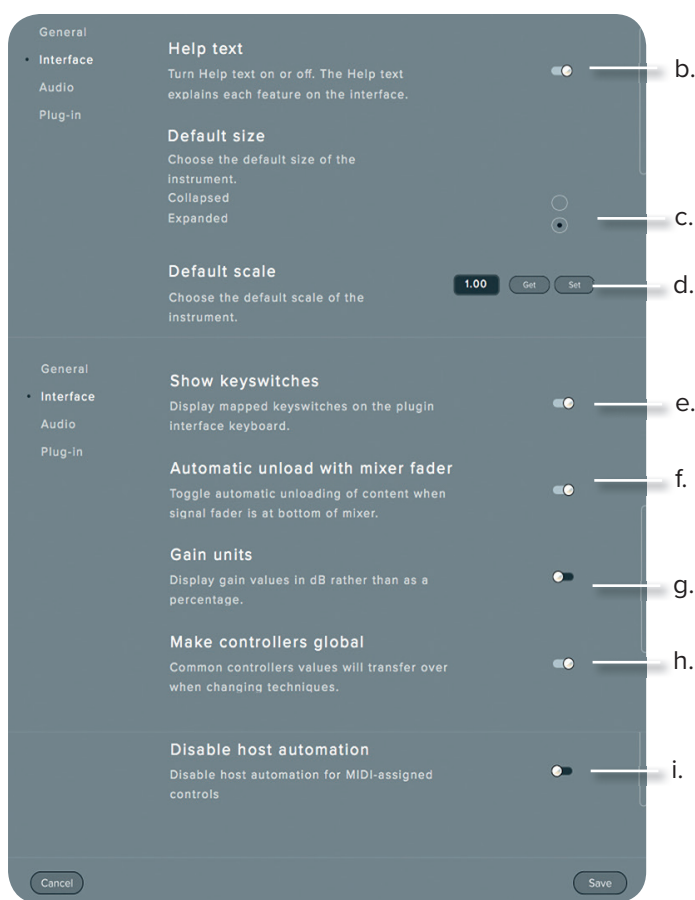d. Default scale - How big the instrument is when you open it as a fraction of its original size. Here you can "get" the current scale of the instrument or change the value and press "set" to change the scale of the instrument. Press "save" to save the current scale as the default.

e. Show keyswitches - When this option is on, presets that have multiple techniques will show available keyswitches in green and the currently selected technique(s) in orange.

f. Automatic unload with mixer fader - Toggle this to unload data from RAM when fader is pulled down to the bottom.

g. Gain Units - Toggle this if you want your gain to be displayed in dB instead of as a percentage.

h. Make Controls Global - Common Controller values will remain when switching techniques.

i. Disable Host Automation - Turn this on to enable the Host Automation from the DAW.
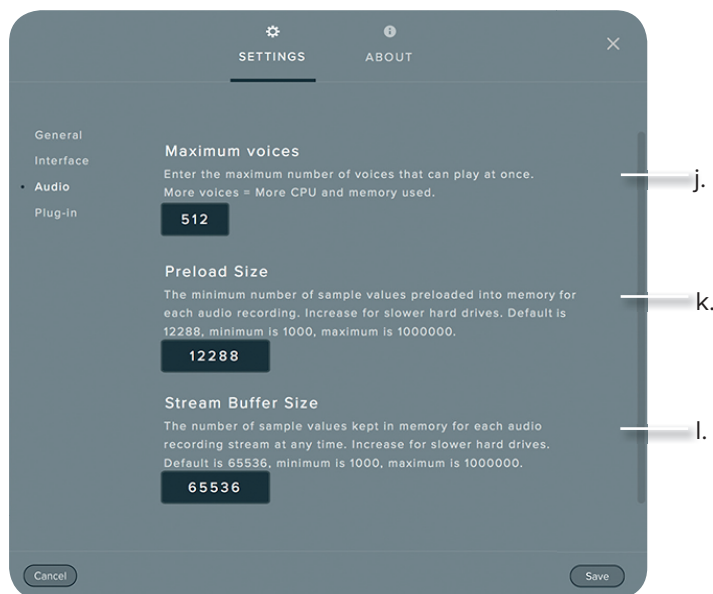
j. Maximum voices - Enter the maximum number of voices that can play at once. More voices = More CPU and memory used.

k. Preload Size - The minimum number of sample values preloaded into memory for each audio recording. Increase for slower hard drives. Default is 12888.

l. Stream Buffer Size - The number of sample values kept in memory for each audio recording stream at any time. Increase for slower hard drives. Default is 65536.
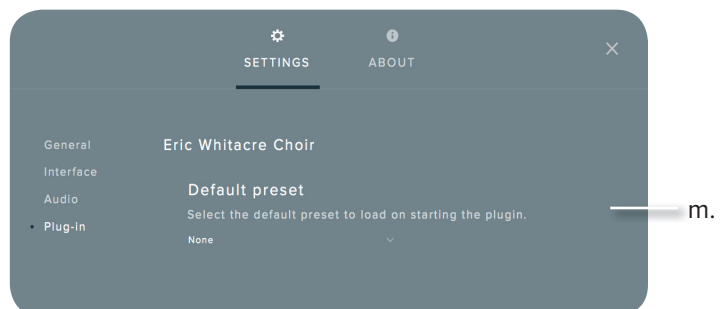
m. Default Preset - Choose a preset that you wish the plug in to load by default on launch

ERIC WHITACRE EVO GRID
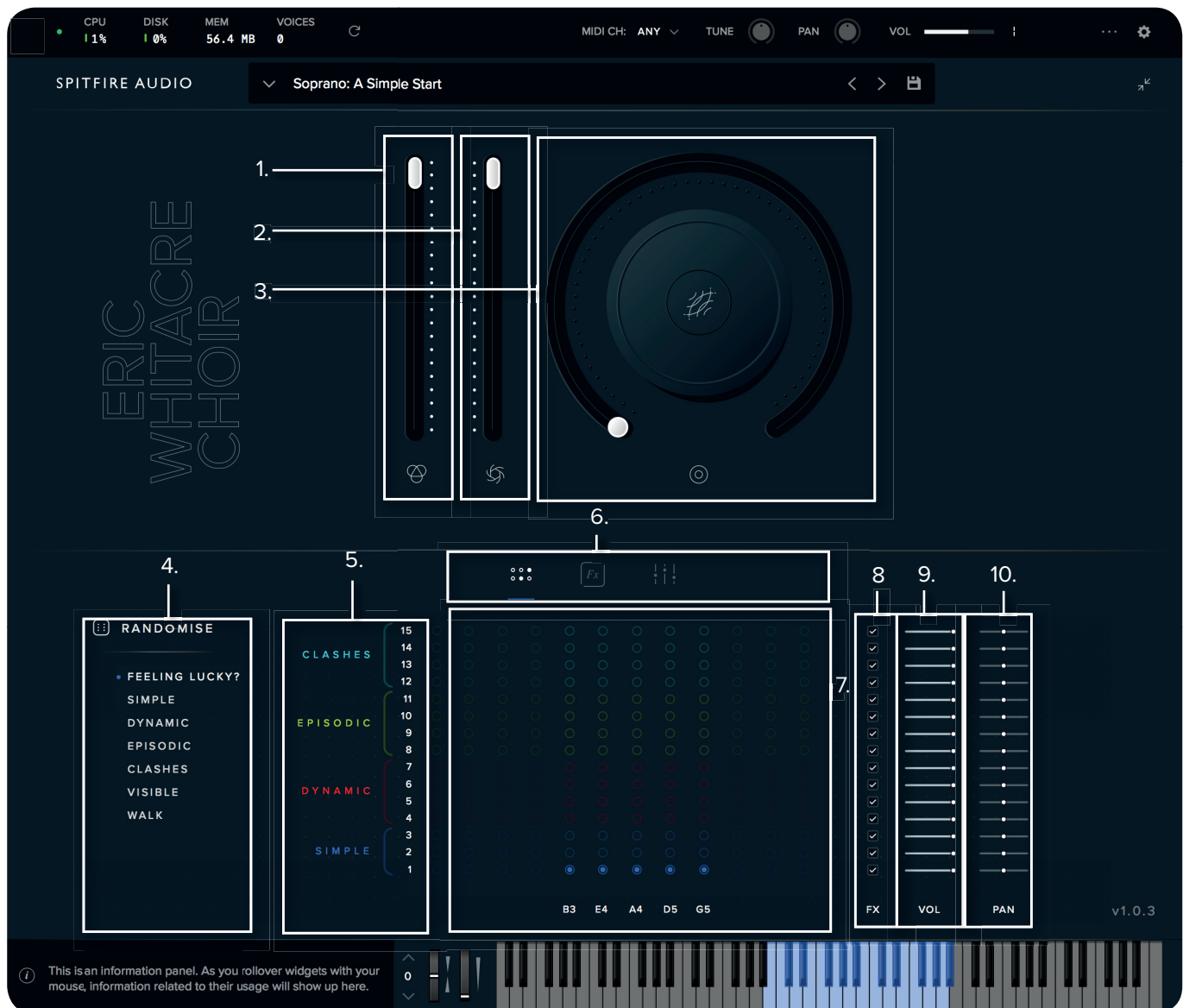
1. VOLUME

Often referred to as "Expression" in our Kontakt Libraries, this is a simple level control for you to adjust along with...

2. DYNAMICS

Adjust the dynamic layer that you are playing here, use in conjunction with the volume to make your performances sound so much more musical than before!

3. KNOB

The configurable knob allows you to control any of the other available parameters for the grid.

4. RANDOMISE THE PEG BOARD

Clicking one of these options randomises the pegboard.

FEELING LUCKY randomises across the whole range of evolutions.

SIMPLE randomises across only the "simple" evolutions.

Clicking on DYNAMIC gives a random selection of evolutions from the "dynamic" category.

Click on EPISODIC to give a random selection of the "episodic" evolutions.

CLASHES randomises across only the "clashes" evolutions.

Clicking on VISIBLE will give a random selection of evolutions from only the evolutions that are currently visible on your interface.

When you have a pattern of evolutions and want something something subtly different, you can click WALK to move each peg up or down by one evolution at random.

5. PEG RANGE

The Peg Range colour codes the Pegs dependent upon the category of EVO.

6. VIEW SELECT

Choose between the Evo Grid, Mixer and Effects, the Technique Selector and Effects are covered in different chapters of this manual.

7. PEG BOARD

The pegs behave like toggles, click them to select / automatically disable any peg. On the X axis are the pitch centres, on the Y axis are the Evos.

8. EVO FX ENABLE

Clicking the tickbox enables a global FX send for the corresponding row.

9. EVO VOLUME

Each volume slider is a global volume control for the corresponding row.

10. EVO PAN

Each pan slider is a global pan control for the corresponding row.

EFFECTS
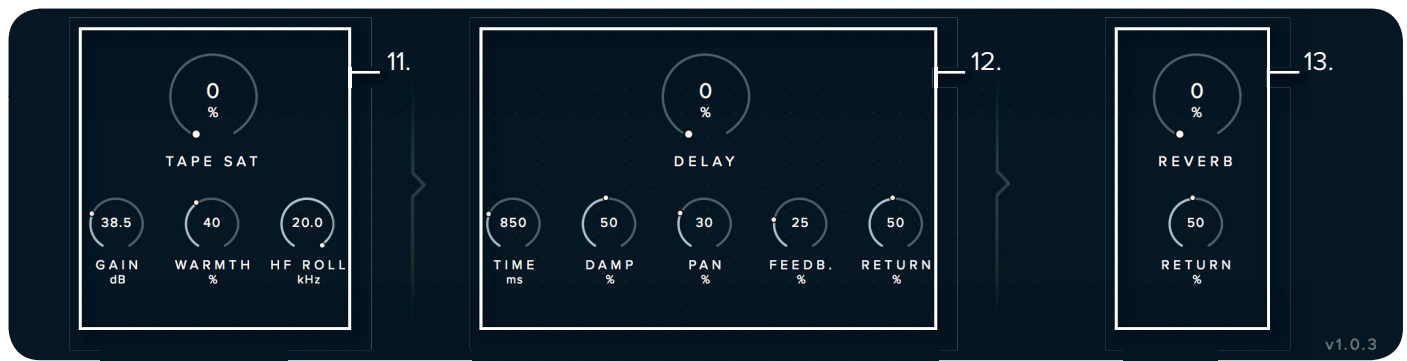
11. TAPE SATURATION

TAPE SAT - Controls the amount of tape saturation heard on the signal with 0% being none and 100% being full tape saturation.

GAIN - Controls the amount of additional gain on the tape saturated signal.

WARMTH - Controls the level of warmth on the tape saturator.

HF ROLL - Controls the frequency in kHz at which high frequencies are slightly attenuated.

12. DELAY

DELAY - Controls the amount of signal sent to the delay effect.

TIME - Changes the delay time in milliseconds.

DAMP - CHanges the damping on the delayed signal. The higher the damping, the more HF are reduced on each repeat.

PAN - Adjust the stereo spread effect of the delay signal

FEEDB. - Control the level sent back through the delay. The higher the level, the more repeated and pronounced the delay effect.

RETURN - Adjust the level of the delay effect in the mix.

13. REVERB

REVERB - Adjust the amount of signal sent to the reverb.

RETURN - Adjust the level of reverb in the mix.

Note: These controls can be assigned to the Knob by holding "Alt" on the keyboard and right clicking the control.

MIXER

14. MIXER PRESET

Load and save your own mixer presets here, this is a good way for you to share your mixes across different instruments and presets. Click on the down arrows to save and the up arrows to load.

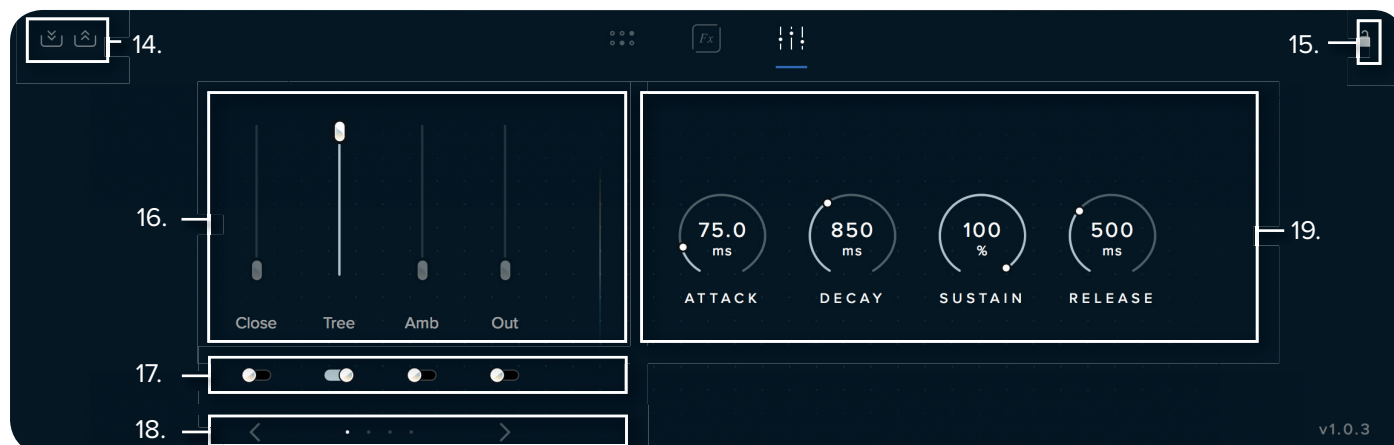To rename a preset after saving or delete a preset, browse to Spitfire Eric Whitacre Choir > Presets > mix in the finder and edit the .mpreset files.

15. LOCK

Click to lock the Mixer. This will prevent further changes to the mixer, useful if you're happy with what you've done and don't want to accidentally change it. This will even prevent changes made by MIDI controllers, but beware, as soon as you unlock the mixer, the control will be active.

16. SIGNAL MIXER

Adjust the level of each signal here, right-click to learn MIDI cc# automation.

17. SIGNAL ON/OFF

Here you can turn signals on or off (you can also turn them on by fading them up). If you turn a signal on, pay attention to the LED in the top left of Eric Whitacre Choir, if it is flashing red, it means that the samples are still loading into RAM and you should wait before playing again to avoid glitches.

18. SIGNAL NAVIGATION

Click the right arrow to access additional signals. Unused signals are greyed out.

19. ADSR

ATTACK - The time in taken for the sound to fade in.

DECAY - Once the "attack" has finished, this is the amount of time taken for the sound to then decay to the sustain level.

SUSTAIN - The level of the note from after the attack and delay have finished to when the note is released.

RELEASE - The time taken for the sound to die away after the note is released.

Q: WHAT ARE THE SYSTEM REQUIREMENTS?
MAC SYSTEM REQUIREMENTS: Mac OS X 10.10 and above.

Minimum: 2.8GHz i5 (dual core), 8GB RAM, 184GB free HD space (7200rpm).

Recommended: 2.5GHz i7 (quad-core), 16GB RAM, 184GB free SSD space.

Machine must be connected to the internet during install

PC SYSTEM REQUIREMENTS: Windows 7, Windows 8, or Windows 10 (latest Service Pack, 32/64-bit)

Minimum: 2.8GHz i5 (dual core), 8GB RAM, 184GB free HD space (7200rpm).

Recommended: 2.5GHz i7 (quad-core), 16GB RAM, 184GB free SSD space.

Machine must be connected to the internet during install

Q: I WANT TO RESET MY ERIC WHITACRE CHOIR SETTINGS TO THE DEFAULT
You can delete the Eric Whitacre Choir.settings and/or the Eric Whitacre Choir Evo Grid.settings file to reset the settings to default. This is located at Users/*username*/Music/Spitfire Audio/Settings on a Mac and C:\Users\username\AppData\Roaming\Spitfire Audio\Settings on a PC.

Q: MY LIST OF PRESETS IS EMPTY, HOW DO I SOLVE THIS?
If you have moved your Eric Whitacre Choir Library folder, you can solve this problem by using the "Locate Library" feature in the Spitfire Audio App.

If this does not solve the problem, the library likely needs reauthorising, to do this, use the "repair" feature in the Spitfire Audio App.

Q: I SEE A RED EXCLAMATION MARK IN THE TOP LEFT OF ERIC WHITACRE CHOIR, WHAT DOES THIS MEAN?
This means that there is an error, you can click the exclamation mark to open a log with further details. It is likely that using the "Repair" and "Locate Library" features in the Spitfire Audio App will solve the problem but if not, contact our support team at spitfireaudio.com/support and attach the log.

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. If you have purchased the library on a hard drive, you should copy the contents of the drive on to the destination machine before completing the download with the Spitfire App. If you download Eric Whitacre Choir, you can copy the library folder over to the second machine and then use the "Repair" and "Locate Library" features in the Spitfire Audio App.

Q: I CAN'T SEE THIS IN THE KONTAKT LIBRARIES PANE AND WHEN I TRY AND LOAD IT INTO KONTAKT IT SAYS NO LIBRARY FOUND
This library does not run in Kontakt, it is a standalone plug-in that you can run in your chosen DAW.

Q: HOW DO I AUTHORISE ERIC WHITACRE CHOIR ON A MACHINE NOT CONNECTED TO THE INTERNET?
It is currently not possible to authorise Eric Whitacre Choir on a machine not connected to the internet. Authorisation is done with the Spitfire Audio App and an internet connection is required.

Q: HOW CAN I REDOWNLOAD A PRODUCT?
This can easily be done via your Spitfire Audio App. To reset both your entire library download or the latest update;

-Open up the Spitfire Audio App and log in with your account email and password.
- Select the product artwork you wish to re-download
- On this page is a "cog wheel". Select this, choose "reset" from the menu. Then "Reset Entire Download" (for a full-download) or (Latest Update) for the latest update.

- This will reset your latest update ready for install again. 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 or use a different drive. We recommend NTFS on PC and Mac OS Extended (journalled) on Mac.

Other possible issues:

• Spitfire App 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 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 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 Spitfire App 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 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 SPITFIRE APP
A handful of customers may find that when they log into their Spitfire App, some of their previously 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 we have, 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 Spitfire App downloads into the folder you choose, so it is important 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 Spitfire App can read. We advise a file path of something along the lines of: Samples Drive > Spitfire Audio

When it comes to downloading / updating - if you have a folder called 'Spitfire Audio' always point the Spitfire App 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 Spitfire Audio App, we have incorporated the ability to reset your own downloads.
This can easily be done via your Spitfire Audio App.

Open up the Spitfire Audio App and log in with your account email and password.
- Select the product artwork you wish to re-download
- On this page is a "cog wheel". Select this, choose "reset" from the menu. Then "Reset Entire Download" (for a full-download) or (Latest Update) for the latest update.

- This will reset your latest update ready for install again.

You can repeat this process for any other updates you wish. If you do not see the option to reset your download in your Spitfire Audio App, we would advise to download the latest version of the Spitfire App 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?
Yes, you can copy the library folder and plugin files over to the second machine and then use the "Repair" and "Locate Library" features in the Spitfire Audio App. Please note that although the majority of the download can be done on a

separate machine, you will always need an internet connection to finish the authorisation process.

Q: HOW DO I DOWNLOAD PRODUCTS ON MAC OSX 10.9?

The version of the Spitfire App needed to install Eric Whitacre Choir only supports Mac OSX 10.10 and upwards.

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 preset name (or presets) 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 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 1-2 days after you order.

Q: I'VE FORGOTTEN MY PASSWORD?

If you have forgotten your password, please see this link 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.

APPENDIX B - TECHNIQUES / MICS / MIXES

PRESETS / TECHNIQUES

INDIVIDUAL TECHNIQUES:

PRESETS / TECHNIQUES / ARTICULATIONS / MICS / MIXES

SOPRANO

Eric's Funtime FX1 (Long)
Eric's Funtime FX2 (Short)
Long Aah
Long Dynamic Swell Aah
Long Dynamic Swell Eh
Long Dynamic Swell Mmm
Long Dynamic Swell Ooh
Long Episodic Evo Aah Dah
Long Episodic Evo Aah Nah
Long Episodic Evo Mmm Hyah
Long Episodic Evo Ooh Nah
Long Mmm
Long Nanana
Long Oh
Long Ooh
Long Pitch Clash Aah Maj2
Long Pitch Clash Aah Min2
Long Pitch Clash Static Aah Maj2
Long Pitch Clash Static Aah Min2
Long Soft Breathy Aah
Short Aah
Short Mmm
Short Oh
Short Ooh
Short Soft Breathy Aah

TENOR

Eric's Funtime FX1 (Long)
Eric's Funtime FX2 (Short)
Long Aah
Long Dynamic Swell Aah
Long Dynamic Swell Eh
Long Dynamic Swell Mmm
Long Dynamic Swell Ooh
Long Episodic Evo Aah Dah
Long Episodic Evo Aah Nah
Long Episodic Evo Mmm Hyah
Long Episodic Evo Ooh Nah
Long Mmm
Long Nanana
Long Oh
Long Ooh
Long Pitch Clash Aah Maj2
Long Pitch Clash Aah Min2
Long Pitch Clash Static Aah Maj2
Long Pitch Clash Static Aah Min2
Long Soft Breathy Aah
Short Aah
Short Mmm
Short Oh
Short Ooh
Short Soft Breathy Aah

ALTO

Eric's Funtime FX1 (Long)
Eric's Funtime FX2 (Short)
Long Aah
Long Dynamic Swell Aah
Long Dynamic Swell Eh
Long Dynamic Swell Mmm
Long Dynamic Swell Ooh
Long Episodic Evo Aah Dah
Long Episodic Evo Aah Nah
Long Episodic Evo Mmm Hyah
Long Episodic Evo Ooh Nah
Long Mmm
Long Nanana
Long Oh
Long Ooh
Long Pitch Clash Aah Maj2
Long Pitch Clash Aah Min2
Long Pitch Clash Static Aah Maj2
Long Pitch Clash Static Aah Min2
Long Soft Breathy Aah
Short Aah
Short Mmm
Short Oh
Short Ooh
Short Soft Breathy Aah

BASSES

Eric's Funtime FX1 (Long)
Eric's Funtime FX2 (Short)
Long Aah
Long Dynamic Swell Aah
Long Dynamic Swell Eh
Long Dynamic Swell Mmm
Long Dynamic Swell Ooh
Long Episodic Evo Aah Dah
Long Episodic Evo Aah Nah
Long Episodic Evo Mmm Hyah
Long Episodic Evo Ooh Nah
Long Mmm
Long Nanana
Long Oh
Long Ooh
Long Pitch Clash Aah Maj2
Long Pitch Clash Aah Min2
Long Pitch Clash Static Aah Maj2
Long Pitch Clash Static Aah Min2
Long Soft Breathy Aah
Short Aah
Short Mmm
Short Oh
Short Ooh
Short Soft Breathy Aah

TUTTI

Eric's Funtime FX1 (Long)
Eric's Funtime FX2 (Short)
Long Dynamic Swell Aah
Long Dynamic Swell Eh
Long Dynamic Swell Mmm
Long Dynamic Swell Ooh
Long Episodic Evo Aah Dah
Long Episodic Evo Aah Nah
Long Episodic Evo Mmm Hyah
Long Episodic Evo Nonvib To Vib Aah
Long Episodic Evo Nonvib To Vib Mmm
Long Episodic Evo Nonvib To Vib Ooh
Long Episodic Evo Ooh Nah
Long Evo Aah Eh Aah
Long Evo Aah Full Out
Long Evo Aah
Long Evo Aleatoric Aah
Long Evo Breathy Mmm
Long Evo Breathy Oohs
Long Evo Bubbling
Long Evo Cloud Grace Maj2 Aah
Long Evo Cloud Grace Min2 Aah
Long Evo Cyclical
Long Evo Eh
Long Evo Erupting Hums
Long Evo Fluctuating Oohs
Long Evo Fp
Long Evo Harmonic
Long Evo Maj3 Static Aah
Long Evo Microtonal Bending Aah
Long Evo Microtonal Cluster Pitch Aah
Long Evo Microtonal Oscillating Aah
Long Evo Microtonal Shift
Long Evo Min3 Static Aah
Long Evo Mmm Aah Mmm
Long Evo Mmm
Long Evo Nz
Long Evo Ooh Aah Ooh
Long Evo Ooh
Long Evo Pitched Air
Long Evo Ricochet Aah Nng
Long Evo Whistle Mmm Blend
Long Pitch Clash Aah Maj2
Long Pitch Clash Aah Maj3
Long Pitch Clash Aah Min2
Long Pitch Clash Aah Min3
Long Pitch Clash Aah Perf 4
Long Pitch Clash Aah Perf 5
Long Pitch Clash Static Aah Maj2
Long Pitch Clash Static Aah Min2
Long Rhythmic Evo Dee
Long Rhythmic Evo Lah
Long Rhythmic Evo Nah
Short Aah Full Out

EVOLUTIONS

SOPRANO

Long Aah
Long Mmm
Long Ooh
Dynamic Swell Aah
Dynamic Swell Mmm
Dynamic Swell Ooh
Dynamic Swell Eeh
Episodic Evo Aah Dah
Episodic Evo Aah Nah
Episodic Evo Mmm Hyah
Episodic Evo Ooh Nah
Long Aah (min2)
Long Aah (maj2)
Long Static Aah (min2)
Long Static Aah (maj2)

ALTO

Long Aah
Long Mmm
Long Ooh
Dynamic Swell Aah
Dynamic Swell Mmm
Dynamic Swell Ooh
Dynamic Swell Eeh
Episodic Evo Aah Dah
Episodic Evo Aah Nah
Episodic Evo Mmm Hyah
Episodic Evo Ooh Nah
Long Aah (min2)
Long Aah (maj2)
Long Static Aah (min2)
Long Static Aah (maj2)

TENNOR

Long Aah
Long Mmm
Long Ooh
Dynamic Swell Aah
Dynamic Swell Mmm
Dynamic Swell Ooh
Dynamic Swell Eeh
Episodic Evo Aah Dah
Episodic Evo Aah Nah
Episodic Evo Mmm Hyah
Episodic Evo Ooh Nah
Long Aah (min2)
Long Aah (maj2)
Long Static Aah (min2)
Long Static Aah (maj2)

BASS

Long Aah
Long Mmm
Long Ooh
Dynamic Swell Aah
Dynamic Swell Mmm
Dynamic Swell Ooh
Dynamic Swell Eeh
Episodic Evo Aah Dah
Episodic Evo Aah Nah
Episodic Evo Mmm Hyah
Episodic Evo Ooh Nah
Long Aah (min2)
Long Aah (maj2)

TUTTI

    Long Aah
    Long Mmm
    Long Ooh
    Dynamic Swell Aah
    Dynamic Swell Mmm
    Dynamic Swell Ooh
    Dynamic Swell Eeh
    Episodic Evo Aah Dah
    Episodic Evo Aah Nah
    Episodic Evo Mmm Hyah
    Episodic Evo Ooh Nah
    Long Aah (min2)
    Long Aah (maj2)
    Long Static Aah (min2)
    Long Static Aah (maj2)
    Long Pitch Clash Aah (Min3)
    Long Pitch Clash Aah (Maj3)
    Long Evo Static Aah (Min3)
    Long Evo Static Aah (Maj3)
    Long Aah (perf4)
    Long Aah (perf5)
    Long Evo Cloud Grace Aah (Min2)
    Long Evo Cloud Grace Aah (Maj2)
    Long Evo Aah Eh Aah
    Long Evo Aah Full Out
    Long Evo Eh
    Long Evo Ooh Aah Ooh
    Long Evo Mmm Aah Mmm
    Long Evo Breathy Mmm
    Long Rhythmic Evo Dee
    Long Rhythmic Evo Lah
    Long Rhythmic Evo Nah
    Long Episodic Nonvib to Vib Aah
    Long Episodic Nonvib to Vib Ooh
    Long Episodic Nonvib to Vib Mmm
    Long Evo Microtonal Bending Aah
    Long Evo Microtonal Oscillating Aah
    Long Evo Microtonal Shift
    Long Evo Microtonal Cluster Aah
    Long Evo Breathy Ooh
    Long Evo Fluctuating Ooh
    Long Evo Fp
    Long Evo Erupting Hums
    Long Evo Ricochet Aah Nng
    Long Evo Aleatoric Aah
    Long Evo Bubbling
    Long Evo Harmonic
    Long Evo NZ
    Long Evo Cyclical
    Long Evo Whistle Mmm
    Long Evo Pitched Air

MICS & MIXES

MICS

    C(lose)
    T(ree)
    A(mbient)
    Outrigger
    Mid
    Gallery
    Soprano
    Alto
    Tenor
    Bass

STEREO MIX

    Big
    Medium
    Small

APPENDIX C - DEFAULT CC MAPPINGS

Eric Whitacre Choir

Global Gain	7
Global Pan	10
Reverb	19
Tighness	18
Release	17
Expression	11
Dynamics	1
Vibrato	21
Close	22
Tree	23
Ambients	24
Outriggers	25
Mid	31
Close	22
Gallery	27
Soprano	28
Alto	29
Tenor	30
Bass	31
Big	33
Medium	34
Small	35

Eric Whitacre Evo Grid

Global Gain	7
Global Pan	10
Reverb	19
Expression	11
Dynamics	1
Vibrato	21
Close	22
Tree	23
Ambients	24
Outriggers	25
Mid	31
Close	22
Gallery	27
Soprano	28
Alto	29
Tenor	30
Bass	31
Big	33
Medium	34
Small	35