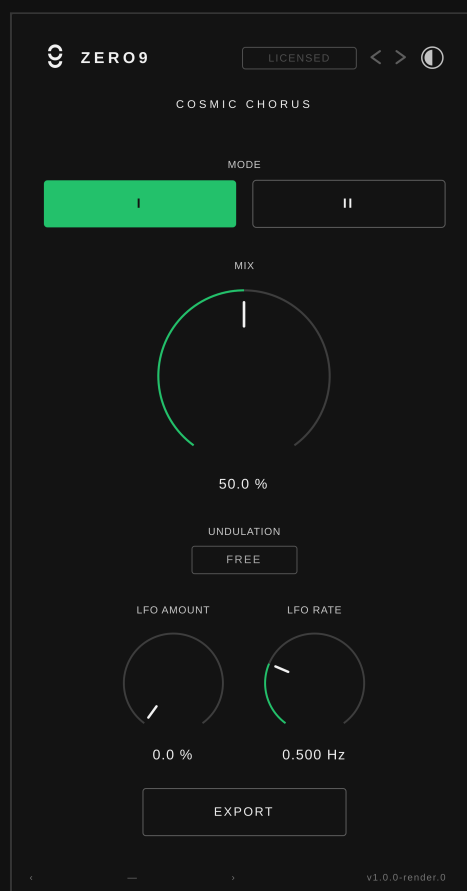




Cosmic Chorus

A dual-BBD-style stereo chorus with two fixed core voicings, free vibrato and tempo-synchronised undulation.



Widen the source. Slow the drift. Push it into wobble.

VERSION 1

Two chorus modes, plus a separate movement layer.

Mode I and II are fixed chorus voicings. LFO AMOUNT and LFO RATE add a separate vibrato layer, while UNDULATION can tempo-lock the main chorus movement itself.

QUICK START

- 1

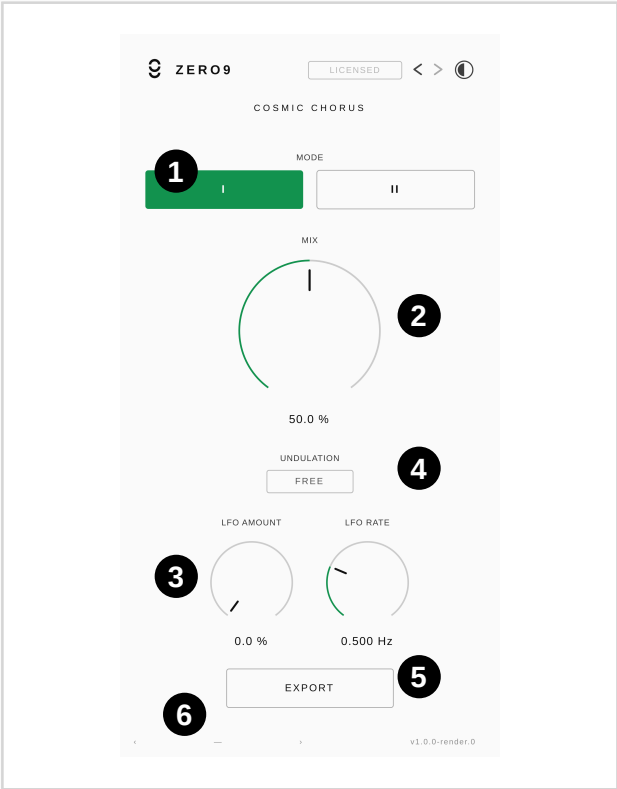
Choose I or II
I is slower and gentler; II is faster and deeper.
- 2

Set the blend
Use MIX for the dry/wet balance.
- 3

Add vibrato
Raise LFO AMOUNT and set LFO RATE from 0.05-50 Hz.
- 4

Tempo-lock the chorus
Cycle UNDULATION through its host-synced divisions.

INTERFACE MAP



- 1

Mode
Core chorus I / II.
- 2

Mix
Dry/wet balance.
- 3

LFO
Additional vibrato.
- 4

Undulation
Tempo-lock chorus movement.
- 5

Export
4x Export Mode.
- 6

Presets
Preset name, previous/next and menu.

Two distinct fixed voicings.

Mode I and Mode II are designed as different chorus characters rather than generic presets. The extra LFO controls add another layer of movement without replacing the chosen mode.

Stereo output requirement

Cosmic Chorus requires a stereo output bus. Input may be mono or stereo.

MODE I

Slower and gentler movement for classic widening and subtle drift.

SLOWER / GENTLER

MODE II

Faster and deeper movement for a more obvious chorus effect.

FASTER / DEEPER

STEREO CHARACTER

The chorus is designed to create a wide stereo result from either mono or stereo material.

STEREO OUTPUT

MIX

Use lower values for width around a solid centre, or push towards wet for a more obviously modulated sound.

DRY / WET

Free vibrato or tempo-locked chorus movement.

The two movement systems are intentionally distinct. LFO AMOUNT/RATE adds free-running vibrato; UNDULATION locks the main chorus movement to the host grid.

FREE	1 BAR	1/2	1/4 dotted	1/4	1/8 dotted	1/4 triplet	1/8
1/8 triplet							

LFO AMOUNT

Controls the depth of the additional vibrato layer.

0-100 %

LFO RATE

Runs from 0.05 Hz for very slow drift up to 50 Hz for extreme modulation effects.

0.05-50 HZ

UNDULATION

Click to cycle through musical divisions. FREE leaves the core mode at its natural movement rate.

TEMPO SYNC

SYNCED MOVEMENT

Tempo-synced settings keep the chorus musical across a wide range of host tempos.

HOST-LOCKED

Control reference.

CONTROL	RANGE	DEFAULT	WHAT IT DOES
Mode	Off / I / II	I	Selects the core chorus voicing; Off is dry-only.
Mix	0-100%	50%	Dry/wet balance.
LFO Amount	0-100%	0%	Depth of the additional vibrato layer.
LFO Rate	0.05-50 Hz	0.5 Hz	Free vibrato speed.
Undulation	FREE + 8 divisions	FREE	Tempo-locks the chorus movement; click to cycle values.
Export Mode	On / Off	Off	Runs the chorus processing in 4x oversampling.
Dark Mode	On / Off	On	Interface theme only; not automatable.

Rate range

LFO RATE covers the full confirmed 0.05-50 Hz range.

Automation

Export Mode is automatable.

Export Mode and interface.

EXPORT MODE

4x

Export Mode runs the chorus processing at 4x oversampling for higher-quality rendering.

Latency / host behaviour

The Export switch is automatable and may add reported processing latency while active.

Window resizing

The interface is tall, aspect-locked and resizable.

Dark Mode

The circular header toggle changes the interface theme only. Dark Mode is not an audio parameter.

Channel layout

The plugin always outputs stereo; mono output layouts are not supported.

Preset system.

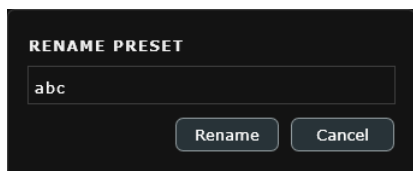
Every ZERO9 plugin includes the same built-in preset system. Load Factory or User presets, step through them with the arrow controls, and save or manage your own sounds directly in the plugin.

Load / Browse



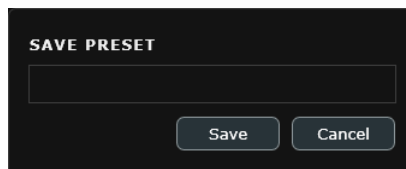
Click the preset name to open the menu. Factory and User presets are separated. Default restores the shipped settings; the arrows step through the combined list.

Rename



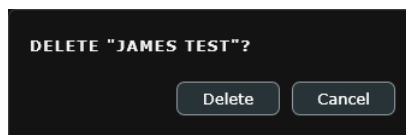
Rename changes the name of a User preset. Factory presets remain protected.

Save



Choose Save... to create a User preset. When a User preset is active, Save over updates it. Factory presets are read-only, so saving from one creates a new User preset.

Delete



Delete removes a User preset after confirmation. Show presets folder opens the User preset location.

Modified

An asterisk (*) after the preset name means the current settings differ from the loaded preset.

Factory / User

Factory presets are installed with ZERO9 and are read-only. User presets are stored separately and survive plugin updates.

What presets store

Presets capture the plugin sound state. Window size, Dark Mode and other UI preferences are not included.

Host presets

The ZERO9 system works the same in every compatible VST3 host. Cubase may also show its own preset strip; the two stores are separate in Version 1.

Licence and compatibility.

Cosmic Chorus installs as a fully working VST3 plugin with no account required.

Demo mode

Without a licence file loaded, the plugin periodically bypasses its processing so you can evaluate it before purchase.

Routing note

Cosmic Chorus accepts mono or stereo input, but its output bus must be stereo because the chorus is designed to create a stereo result.

LOAD A LICENCE

Drag your **.zero9lic** file onto the licence panel in the plugin UI, or click the panel to browse for the file.

Licence files do not require online activation.

Manage licences: **zero9.uk/plugins**

SYSTEM REQUIREMENTS

Format

VST3

Platforms

64-bit Windows or macOS

Host

Works with any compatible VST3 host.

Installers

Use the current ZERO9 installer for your platform.

SUPPORT / CURRENT INFORMATION

For installation, licence or technical support: **support@zero9.uk**

Current plugin information and licence management: **zero9.uk/plugins**

ZERO9 plugins are designed and developed by electronic music artist and producer James Harcourt.

Signal flow.

The diagram below shows the signal path and the order of the main processing stages.

AUDIO PATH



LFO RATE runs from 0.05-50 Hz.

Export Mode runs the chorus processing at 4x for higher-quality rendering.

Mode Off

With the chorus mode off, the plugin passes the dry signal at unity.