

deCADE

Nostalgia Driven Synth Machine

VST3 / AU / AAX
MACOS + WINDOWS

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Let's Install

- 1** Get the downloader from your ebbandflow account and open it. This lets you download the full installer.
- 2** Once the download has completed, follow the onscreen instructions or head to your Downloads folder and run the full installer (.dmg or .exe). Follow the prompts, pick your formats: VST3, AU, AAX and don't forget to choose your audio install location.
- 3** Open your D.A.W and find your new instrument in the plug-in list. If it's hiding, rescan your plug-ins. Still nothing? Make sure you have run the full installer and haven't just left it feeling lonely in your downloads folder.
- 4** First Time? You need to Activate your instrument. Enter your ebbandflow email and password, click ACTIVATE and get ready to make some music.
Forgot your password? Follow the onscreen instructions to reset your password.



EXTERNAL DRIVE?

Want the larger files to live on an external drive? During installation you'll be prompted to choose an audio content install location - select your drive and folder of choice, and you are done. Missed that step? Move the audio content files (.blob files) wherever you wish, and next time you open the plug-in it will ask where you moved them. Follow the prompts to reconnect them to make sure you are ready for future jamming sessions.

Getting Started

PRESETS

Click the preset name in the header to browse, search and favourite the included presets.

BROWSE SOUNDS

Over 100 Sound Sources, each a different starting point for your production. More on page 8.

RADIAL PAD

Drag the Radial Pad for independent control over Unison amount and a 2nd Layers volume.

Don't hold back, there are no rules, except to have fun. And try your best to look cool.

RANDOMISE

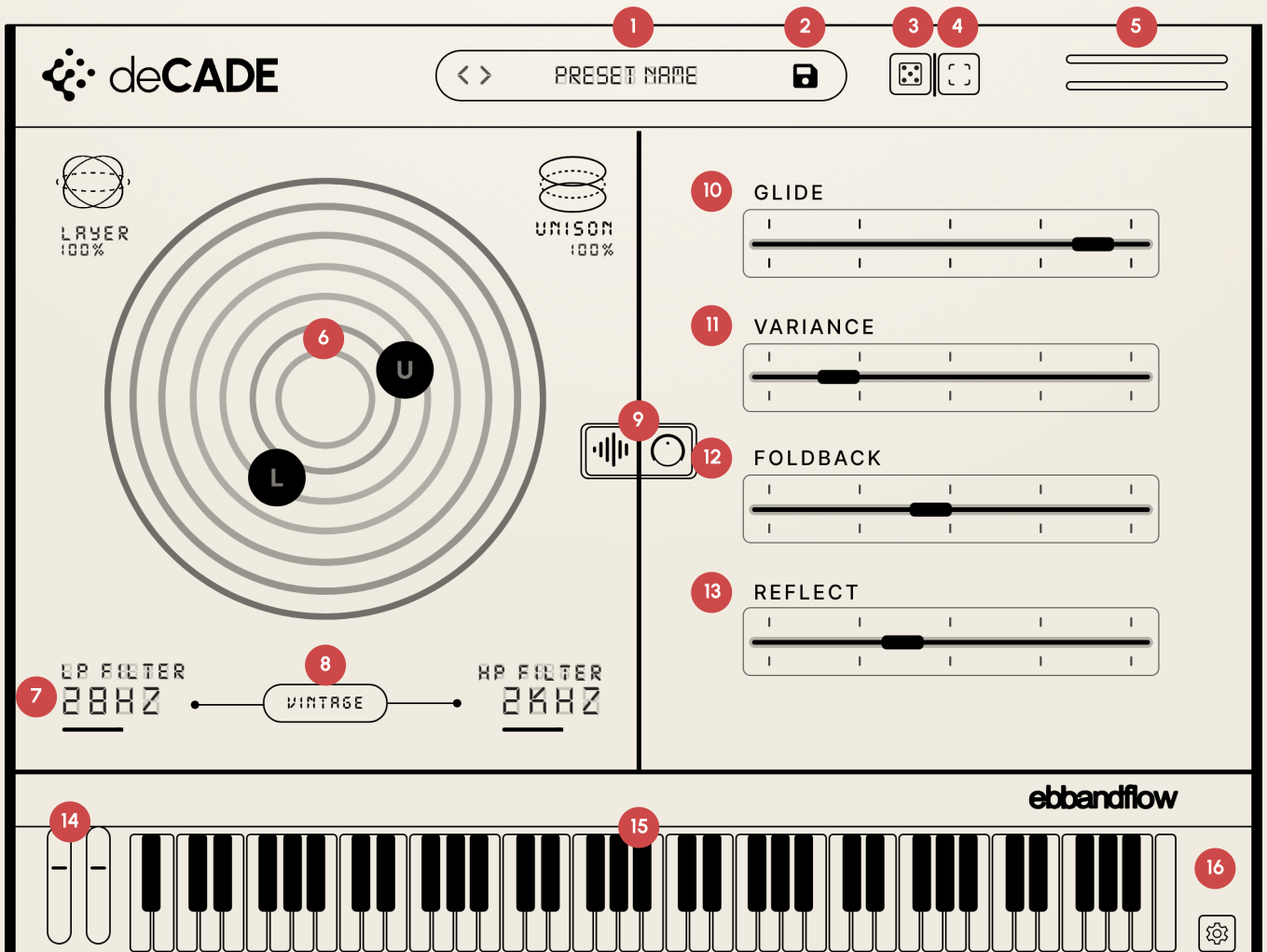
Stuck for ideas? The dice icon in the header generates new values for parameters across the instrument.



TOP TIP

Any... okay, MOST controls can be MIDI assigned by right-clicking them and moving your controller. Want to reassign? Simply Right-Click again or head over to the Settings panel to remove all assignments.

Main View



- | | | | |
|--------------------------------------|--|--|---|
| 1 PRESET
Browse & load. | 2 SAVE
Save a user preset. | 3 RANDOMISE
Roll new values. | 4 UI SCALE
Min or max size. |
| 5 VOLUME
Master output. | 6 XY PAD
Unison & 2nd Layer. | 7 FILTER
HPF & LPF cutoff. | 8 VINTAGE
Vintage filter model. |
| 9 VIEW
Main or Effects. | 10 GLIDE
Portamento time. | 11 VARIANCE
Random per note variation. | 12 FOLDBACK
Delay wet mix. |
| 13 REFLECT
Reverb wet mix. | 14 WHEELS
Pitch & Mod. | 15 KEYBOARD
MIDI input. | 16 SETTINGS
Global options. |

Main View - In Detail

HEADER

GLOBAL CONTROLS

1

PRESET

Clicking the preset name opens the full browser with searching, tags, favourites & most used presets.

3

RANDOMISE

Generates new values for parameters across the instrument. Stuck for ideas? Roll the dice.

5

VOLUME

The Master output level, to help you balance the overall instrument volume.

2

SAVE

Writes your current settings as a preset to the user folder, where it now appears within the browser next to the included factory presets.

4

UI SCALE

Switches the interface between its minimum and maximum size.

16

SETTINGS

Global settings such as Polyphony, MPE, Expression CC, Tooltips and MIDI Mapping reset all live here. More on page 10.

SHAPE

LEFT PANEL

6

XY PAD

Independent control over Unison and 2nd Layer amount. Drag for combined movements, letting you instantly discover new setting combinations.

8

VINTAGE

Switches the filter to a vintage filter model, for a warmer, older character.

7

FILTER

Low Pass and High Pass filter cutoff, shown in the readouts either side.

9

VIEW

Switches between the Main View and the Effects page.

CORE

CENTRE SLIDERS

10

GLIDE

Portamento time between overlapped notes.

11

VARIANCE

Random per note variation, so no two notes play back quite the same.

12

FOLDBACK

Foldback wet mix. More on page 7.

13

REFLECT

Reflect wet mix. More on page 7.

PLAY

ALWAYS VISIBLE

14

WHEELS

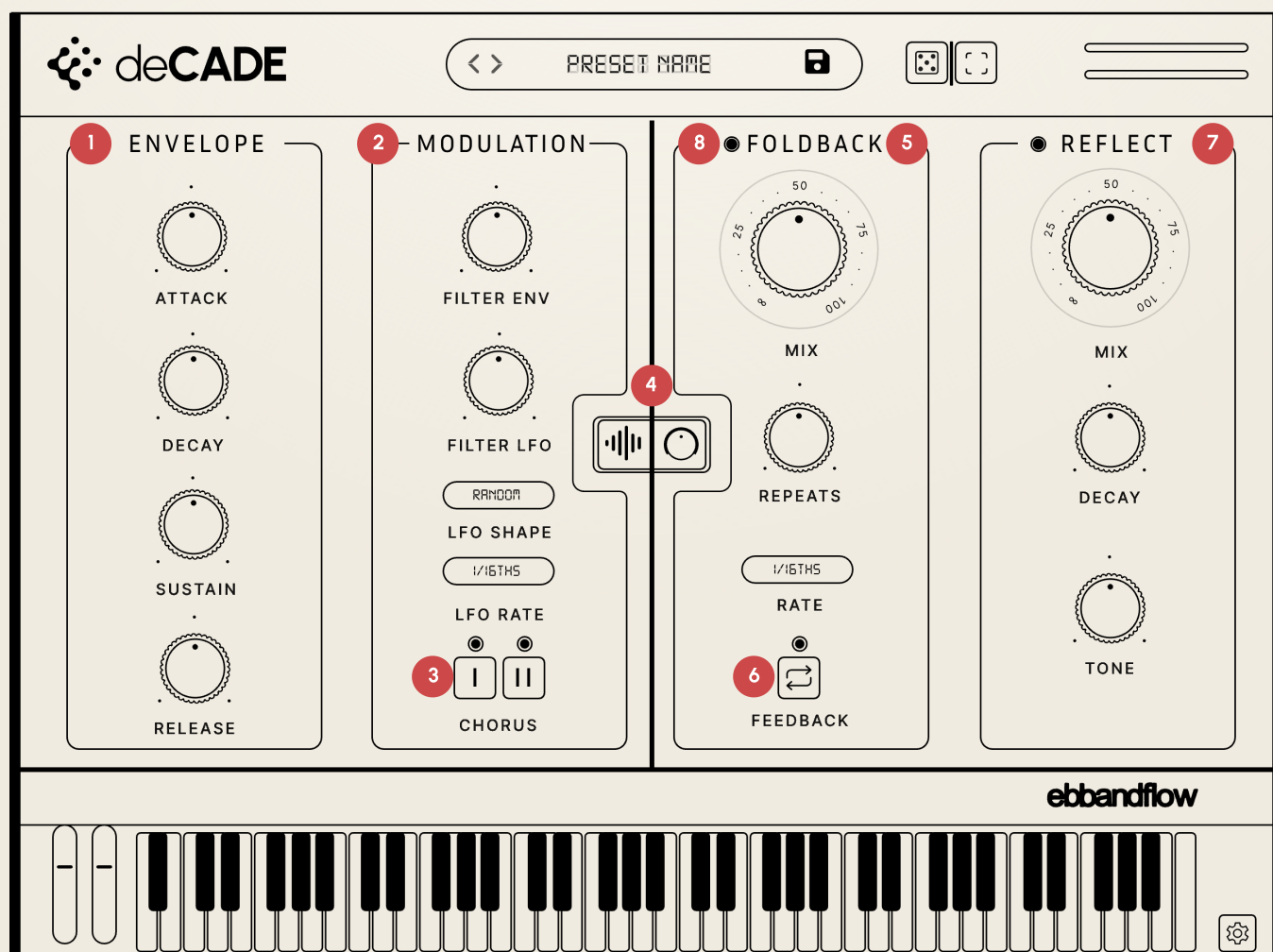
Standard pitch and modulation wheel. The Mod Wheel controls the pitch LFO, with its range set in Settings.

15

KEYBOARD

Shows the playable range and reflects the inputted MIDI signal. Click the keys to troubleshoot your signal flow.

Effects



- | | | | |
|--------------------------------|--|-----------------------------------|---------------------------------------|
| 1 ENVELOPE
Amp ADSR. | 2 MODULATION
Filter Env & LFO. | 3 CHORUS
I, II or both. | 4 VIEW
Main or Effects. |
| 5 FOLDBACK
Delay. | 6 FEEDBACK
Increased feedback. | 7 REFLECT
Reverb. | 8 BYPASS
Per effect on/off. |

Effects - In Detail

ENVELOPE

AMP

ATTACK

Amp Envelope attack time. How quickly a note fades in.

DECAY

Time taken to fall from the peak to the Sustain level.

SUSTAIN

The level held while a note is pressed.

RELEASE

Amp Envelope release time. How long a note rings on after you let go.

MODULATION

MOVEMENT

FILTER ENV

Amp Envelope amount applied to filter cutoff.

FILTER LFO

LFO amount applied to filter cutoff.

LFO SHAPE

Waveshape of the modulator.

LFO RATE

Speed, synced to host tempo.

CHORUS I

Vintage style stereo chorus. The subtle one.

CHORUS II

Vintage style stereo chorus, more intense.
*Engage I and II together for the well known hack on a certain famous synth: an intense vibrato. Not sure who wants it, but it does it.

FOLDBACK

DELAY

MIX

Blend between the dry signal and the effected signal.

REPEATS

Number of repeats.

RATE

Delay time signature, synced to your host tempo.

FEEDBACK

Increased feedback mode. High values will self oscillate.

REFLECT

REVERB

MIX

Blend between the dry signal and the effected signal.

DECAY

Reverb decay time.

TONE

Tone filter applied to the reverb only.

MODULES

PER MODULE

BYPASS

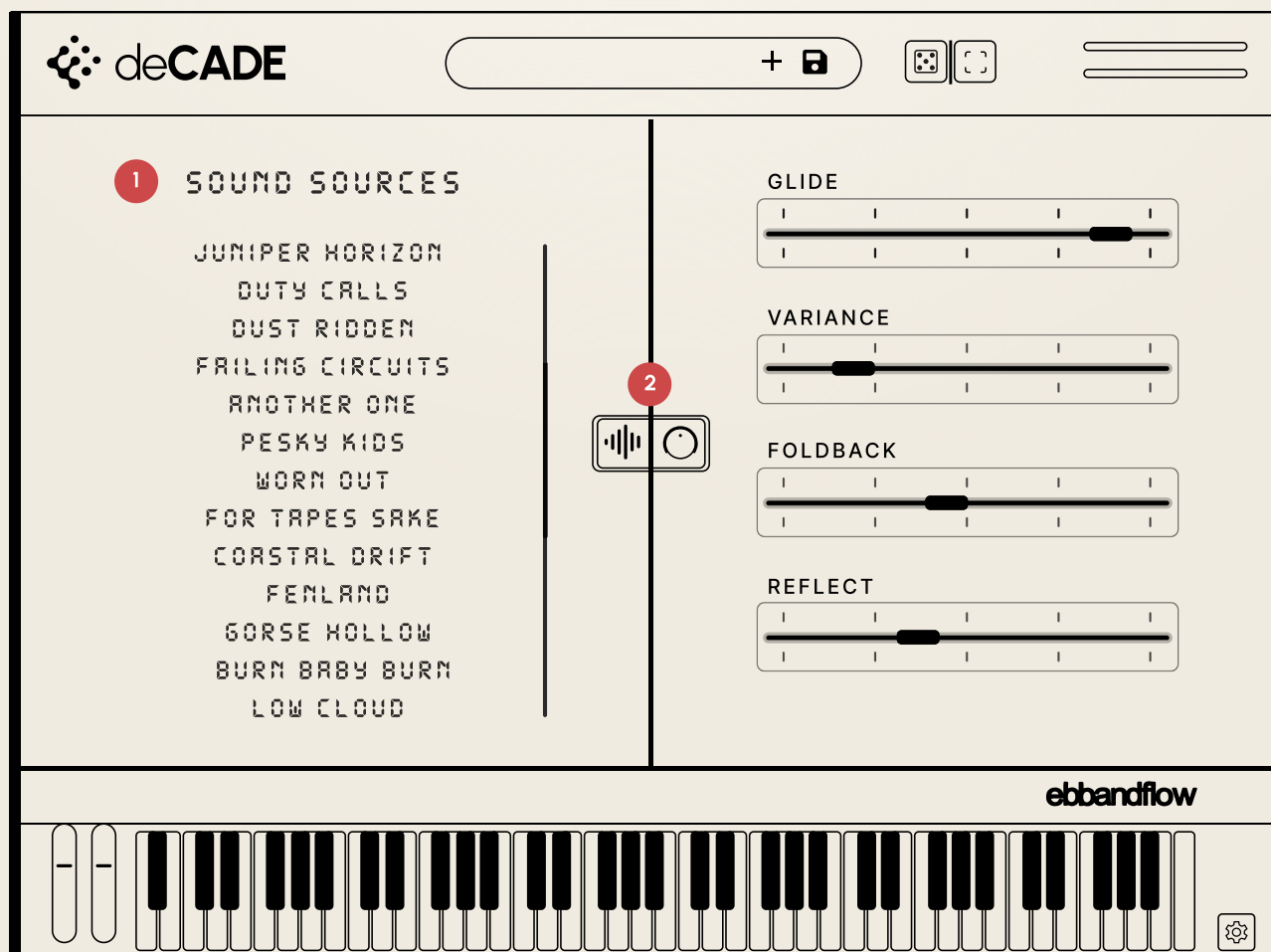
Activates or bypasses Foldback or Reflect. Settings are retained, so you can A/B without losing any work.

MAIN VIEW SLIDERS

The Foldback and Reflect sliders on the Main View also set each effect's wet mix.

Sound Sources

deCADE ships with over one-hundred Sound Sources, each one a different oscillator pairing and starting point for everything else in the instrument.



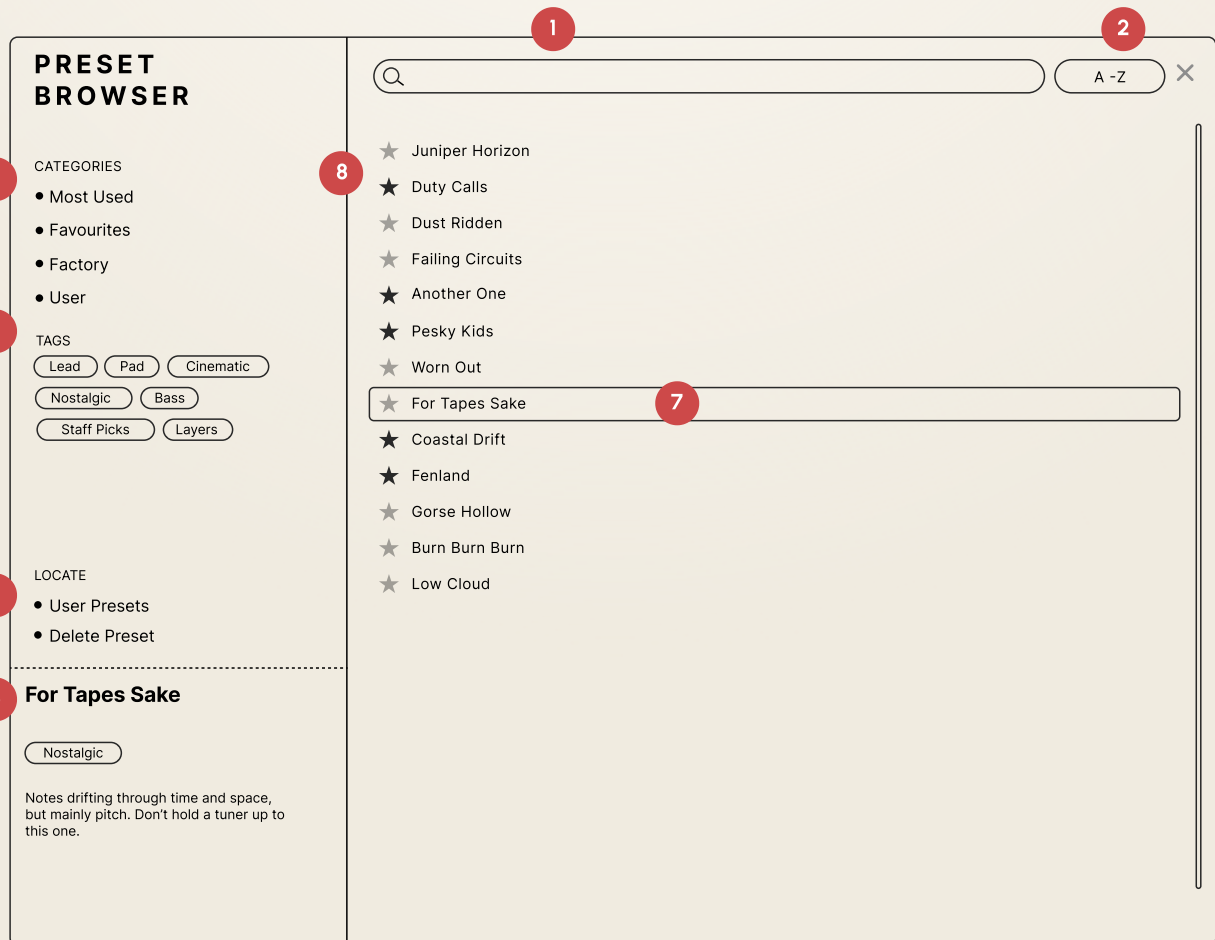
1 SOURCE LIST

Click a name to load that Sound Source. Your other settings stay as they are. [TBD]

2 VIEW

Switches between the Main View and the Effects page.

Preset Browser



1 SEARCH
Filters by name as you type.

4 TAGS
Tags to help you refine your search.

7 PRESET LIST
Click to select, double-click to load and close the browser.

2 SORT ORDER
Alphabetical, one way or the other.

5 LOCATE
Reveal your user presets on disk, or delete one you regret making.

8 FAVOURITE
Star a preset to pin it to Favourites. Go on, make it feel special.

3 CATEGORIES
Browse Most Used, Favourites, Factory & User presets.

6 INFO
Name, tags and a sometimes far too detailed preset description.

Settings



- 1 POLYPHONY**
Maximum note count. Lower it if your CPU is struggling; raise it if long releases are being cut off.
- 3 PITCH BEND RANGE**
Available Pitch bend range in semitones.
- 5 EXPRESSION**
Chooses which MIDI CC controls expression (internal volume) this defaults to CC11.
- 7 MPE**
Turn on for MPE controllers so per-note pitch, slide and pressure can be used.
- 9 LIMITER**
Catches extreme peaks before unwelcome distortion hits the master output, so your heavy-handed mixing doesn't cause too much damage.
- 11 MIDI MAPPINGS**
CLEAR removes all plug-in MIDI assignments you have made. Warning... there is no undo.
- 2 ANTI-ALIAS**
High-quality playback. Noticeably smoother output at higher frequencies.
- 4 PITCH LFO AMOUNT**
Available pitch range in semitones, controlled by the Modulation Wheel.
- 6 DETUNE AMOUNT**
How far Unison voices drift in pitch from one another.
- 8 ENHANCE**
It does something incredibly fancy. Did we forget what? Of course not. Does it sound better on? You bet.
- 10 TOOLTIPS**
Activates or bypasses the per control Tooltip overlay. Turn this off if you are an expert and want to show off to your friends.

Troubleshooting

I don't hear a thing.

First, check the MIDI keyboard graphic lights up as you play. If MIDI is arriving but nothing leaves, check the master Volume and the filter handles. A CC parameter such as Expression may also be minimised, muting the instrument.

My sound is glitching out, what can I do?

There are a few basic practices for optimising performance. Increasing your D.A.W's buffer size, lowering Polyphony & bypassing active effects, as well as ensuring you are streaming from a fast enough drive. Remember you can always bounce tracks in place to reduce resources even further.

Where did my content go?

Sounds like you moved the audio content files. Load the instrument and it will ask you to point it to the new location, do that once and it will remember for next time.

My control learned the wrong CC.

Right-click the control to Re-Learn or clear it. It's as easy as that.

Help, I have forgotten my password!

Not to worry, happens to the best of us. Clicking "Forgot Password" in our plug-in takes you to your account page. Follow the instructions to reset your account log-in details.



USEFUL TIP

Before writing in, fill out our support form on ebbandflow.audio/pages/contact & make sure to include as much detail as possible. This will speed up any resolution & make sure we can stay friends, all while getting you back to making music as fast as possible.

Licensing Agreement

IMPORTANT NOTICE

Any person or entity ("User", "you", "your") who downloads, installs, accesses or otherwise uses the Product agrees to be bound by this End User Licence Agreement ("Agreement").

The "Product" means any installable software package and associated content supplied by us, including without limitation audio recordings, sound files, sample libraries, visual assets, software code and related materials.

1 • CONTRACTING PARTY

1.1 The Product is owned and controlled by Ebb & Flow Audio Ltd, a company incorporated in the United Kingdom with registered office at 73 Stirling Business Centre, Wellgreen, Stirling, FK8 2DZ ("we", "us", "our").

1.2 Your contract is with Ebb & Flow Audio Ltd.

1.3 This Agreement becomes effective on the earlier of:

- (a) download of the Product;
- (b) installation of the Product; or
- (c) first use of the Product.

2 • LICENCE GRANT

2.1 Subject to payment and compliance with this Agreement, we grant you a non-exclusive, non-transferable (except as permitted under Clause 4), non-sublicensable and revocable licence to download and use the Product on up to two devices concurrently.

2.2 The licence permits use solely for your own original musical productions and performances.

2.3 You may:

- (a) incorporate Sound Files into original musical compositions or productions;
- (b) commercially exploit those compositions;
- (c) distribute finished musical works containing the Sound Files in integrated, non-extractable form.

2.4 You may not:

- (a) resell, share, rent, lease or distribute the Product itself;
- (b) distribute isolated, extractable or standalone samples;
- (c) create competing sample libraries or sound products;
- (d) use the Product in datasets for artificial intelligence training or generative systems;
- (e) reverse engineer, decompile or extract source code;
- (f) allow access to any unlicensed third party.

2.5 This licence is personal to you.

3 • OWNERSHIP

3.1 All intellectual property rights in the Product remain vested in us.

3.2 You are purchasing a licence to use the Product, not ownership.

3.3 No copyright, trademark or other rights are transferred to you except as expressly granted in this Agreement.

4 • LICENCE TRANSFERS

4.1 General Rule

The licence is personal and non-transferable unless permitted under this Clause.

4.2 Permitted Transfers

You may request a permanent transfer of your licence to another individual provided that:

- (a) you permanently delete all copies of the Product from your systems;
- (b) the transferee agrees in writing to be bound by this Agreement;
- (c) no copies are retained by you;
- (d) any applicable transfer fee is paid.

4.3 Prohibited Transfers

Licences may not be:

- (a) shared across multiple users;
- (b) transferred to corporate entities without prior written approval;
- (c) split across accounts;
- (d) resold via online marketplaces without our written consent.

4.4 We reserve the right to refuse transfer requests at our reasonable discretion.

5 • REFUND POLICY

5.1 Digital Content Notice

The Product is digital content. By completing your purchase, you expressly consent to immediate delivery and acknowledge that you will lose your statutory 14-day cancellation right once download begins, in accordance with the Consumer Contracts (Information, Cancellation and Additional Charges) Regulations 2013.

5.2 Refund Eligibility

Refunds will only be granted where:

- (a) the Product is materially defective;
- (b) we are unable to remedy a fault within a reasonable time; or
- (c) we are required to do so under applicable consumer protection legislation.

5.3 Non-Refundable Circumstances

Refunds will not be provided for:

- (a) change of mind after download;
- (b) system incompatibility where minimum requirements were clearly stated;
- (c) subjective dissatisfaction;
- (d) failure to understand licence restrictions.

5.4 Nothing in this Agreement limits your rights under the Consumer Rights Act 2015.

6 · ARTIFICIAL INTELLIGENCE RESTRICTIONS

6.1 The Product may not be:

- (a) used to train machine learning models;
- (b) incorporated into AI training datasets;
- (c) used as input for generative AI systems designed to reproduce or simulate sample libraries;
- (d) used to create competing AI-driven audio products.

7 · WARRANTIES AND DISCLAIMERS

7.1 To the fullest extent permitted by law, the Product is provided "as is" and "as available".

7.2 We do not guarantee:

- (a) uninterrupted availability;
- (b) error-free operation;
- (c) compatibility with all systems.

7.3 Nothing in this Agreement excludes or limits liability for:

- (a) death or personal injury caused by negligence;
- (b) fraud or fraudulent misrepresentation; or
- (c) any liability which cannot lawfully be excluded under Scots law.

8 · LIMITATION OF LIABILITY

8.1 Our total aggregate liability shall not exceed the greater of:

- (a) the amount you paid for the Product; or
- (b) £100.

8.2 We shall not be liable for indirect or consequential loss, including loss of profits, revenue, data or business opportunity, except where such limitation is not permitted under applicable law.

9 · INDEMNITY

9.1 You agree to indemnify and hold us harmless against any loss, damage or expense arising from:

- (a) breach of this Agreement;
- (b) misuse of the Product;
- (c) unauthorised distribution.

10 · TERMINATION

10.1 We may terminate this Agreement immediately if you breach its terms.

10.2 Upon termination, you must permanently delete all copies of the Product.

10.3 Termination does not affect accrued rights or remedies.

10.4 We may seek interdict or any other remedy available under Scots law in the event of breach.

11 · COMPLAINTS

11.1 If you believe any content infringes rights, please contact: hello@ebbandflow.audio

12 · GENERAL

12.1 This Agreement constitutes the entire agreement between the parties in relation to its subject matter.

12.2 If any provision is found invalid or unenforceable by a court of competent jurisdiction, the remaining provisions shall remain in full force and effect.

12.3 No failure or delay in exercising any right shall operate as a waiver of that right.

12.4 We may amend this Agreement from time to time. Continued use of the Product constitutes acceptance of any revised terms.

12.5 Nothing in this Agreement creates any partnership, joint venture, agency or fiduciary relationship.

12.6 No person who is not a party to this Agreement shall have any right to enforce any term of this Agreement.

13 · GOVERNING LAW AND JURISDICTION

13.1 This Agreement shall be governed by and construed in accordance with the laws of Scotland.

13.2 The courts of Scotland shall have exclusive jurisdiction to resolve any dispute arising under or in connection with this Agreement.

One Last Thing

CREDITS

RECORDING FACILITY	Assumption Studios
DEVELOPMENT	Calum Goold
PRODUCTION	Calum Goold & David Donaldson
PLAYER	A rather attractive MIDI file
GUI DESIGN	Calum Goold & David Donaldson
TECH SYSTEMS	Stephen Tallamy
MARKETING	Harry Woods & Pete Gleadall

With special thanks to Craig Armstrong, Scott Wood, Joe Logan, our friends over at UJAM and our families for all your kindness and support.

Thanks, truly, for letting us share another strange and wonderful idea with you and your music. If something feels broken or unclear, or you've made something you want to share, write to us at hello@ebbandflow.audio or find us at [@ebbandflowaudio](https://twitter.com/ebbandflowaudio).

That's all from us, 'til next time.