

EVOMATIC

USER MANUAL

VERSION 0.9 BETA · VHSNOISE

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1 WELCOME TO EVOMATIC

EVOMATIC turns any song into something you can play. Load a track and it lands on a virtual record you can scratch, chop onto 24 pads, split into stems, turn into MIDI, and study down to its chords and drum pattern.

WHAT IT DOES

- **The Deck** - a turntable you can scratch with the mouse, a trackpad or your MIDI controller, with VOLUME, PITCH, DETUNE, DUST and WOBBLE to colour the sound.
- **The Sampler** - chop the song onto 24 pads by hand or automatically: on the beat, by the lyrics (AUTO VOX), by the bass, by drum hits, or at random.
- **Stems + MIDI** - split the song into vocals, drums, bass and instrumental, see each one as audio or MIDI notes, edit it like a DAW, and drag it straight into your own DAW.
- **Audio DNA** - the song's key, scale, tempo, chords, drum pattern and structure, all on one page, with sample-worthy moments marked for you.

> **Beta:** this is a pre-release version. Some features (marked BETA in the app) can make mistakes. Please report anything odd - see **SUPPORT**.

HOW THIS MANUAL WORKS

Each page of EVOMATIC is shown with numbered yellow markers. The table under the picture explains every numbered item. Where a feature has more to it, the table points to a later section with **SEE ...**.

Most buttons in EVOMATIC also explain themselves: hover the mouse over a control to see its tooltip (you can turn tooltips off in General Settings).

2 INSTALLING AND SETTING UP

WHAT YOU NEED

- Windows 10 or 11, 64-bit.
- A DAW that loads VST3 instruments (Ableton Live, FL Studio, Studio One, Reaper, Cubase, Bitwig and others) - or use the EVOMATIC app on its own.
- About 1 GB of free disk space. A multi-core CPU is recommended: splitting stems and reading lyrics are heavy jobs.

INSTALLING

1. Run **EVOMATIC-0.9.0-beta-Setup-Win64.exe**.
2. If Windows shows "Windows protected your PC", click **More info** then **Run anyway**. (This shows for new software that isn't signed yet; it's normal for the beta.)
3. Read and accept the beta terms.
4. Choose what to install: the **EVOMATIC app**, the **VST3 plugin**, or both. The AI models are always installed - EVOMATIC needs them.
5. Finish. The app appears in the Start menu, and the plugin is placed where DAWs look for VST3 plugins.

INSTALLED	WHERE
EVOMATIC app	C:\Program Files\VHSNOISE\EVOMATIC
VST3 plugin	C:\Program Files\Common Files\VST3\EVOMATIC.vst3
AI models and licences	C:\ProgramData\Evomatic
Your projects and exports	Documents\Evomatic (you can change this in General Settings)

USING IT IN YOUR DAW

1. Rescan your plugins if your DAW doesn't find EVOMATIC straight away.
2. Load **EVOMATIC** (by VHSNOISE) on an **instrument** track - it is a sampler instrument.
3. Arm the track for MIDI so your keyboard or pad controller can play the pads.
4. Turn **SYNC** on to follow your DAW's tempo and start / stop with it.

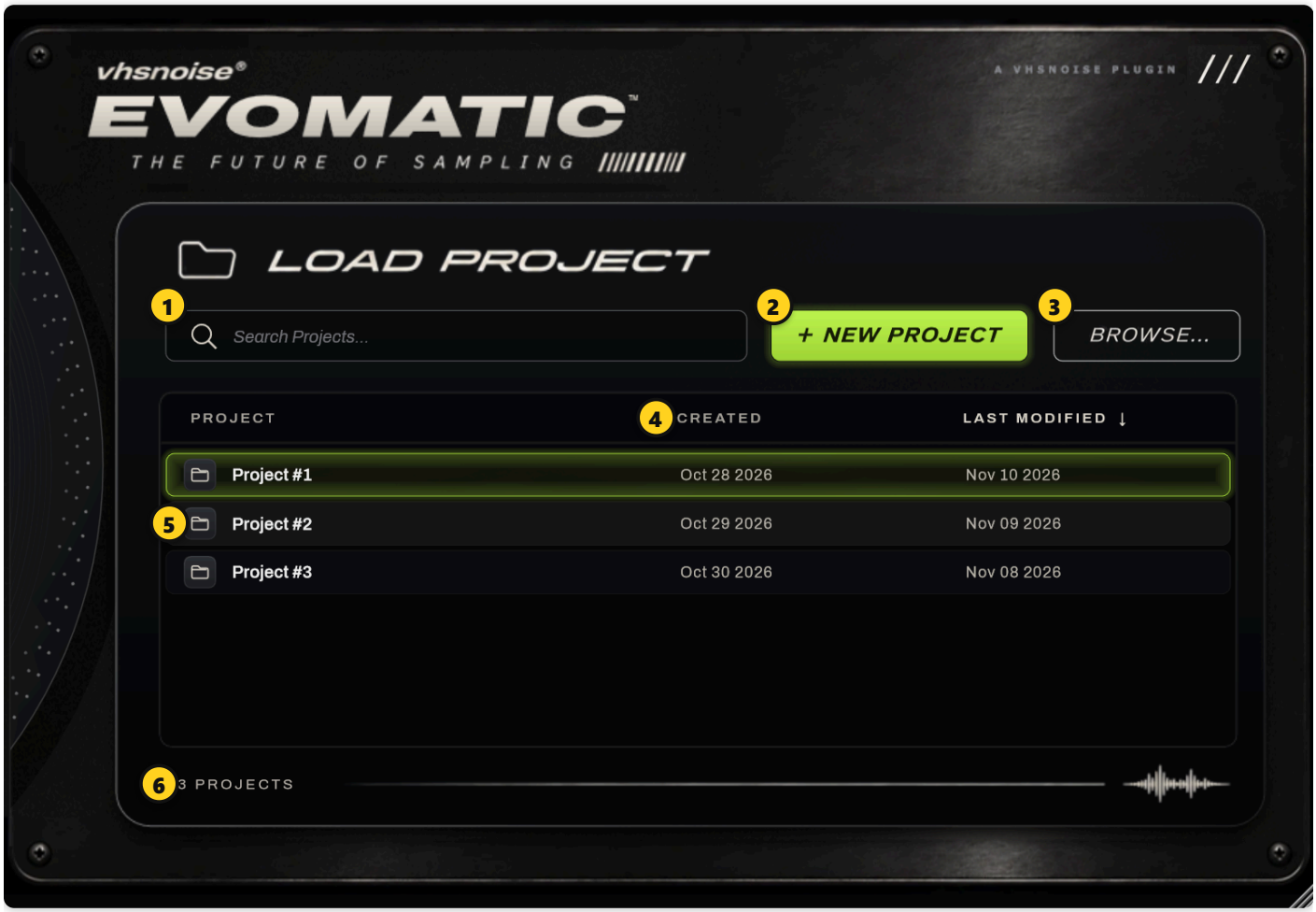
Your EVOMATIC session (song, chops, pad settings, edits) is saved inside your DAW project.

USING THE EVOMATIC APP

The app works on its own - no DAW needed. The first time, open the main menu ☰ (top left) > **Audio / MIDI Settings...** and pick your audio interface and buffer size. Any MIDI keyboard or controller you plug in is picked up automatically.

3 THE START SCREEN

The Start Screen opens with EVOMATIC. Start something new, or carry on with a saved project.



	ITEM	DESCRIPTION
1	**Search Projects**	Type to filter your projects by name.
2	**+ New Project**	Start an empty project. Drop a song on the record (or use LOAD) to begin.
3	**Browse...**	Open a project file from anywhere on your computer.
4	**Columns**	Click PROJECT, CREATED or LAST MODIFIED to sort the list. Click again to reverse the order.
5	**Project list**	Click a project to select it, double-click (or press `Enter`) to open it. `↑` `↓` move through the list; `Delete` removes the selected project.
6	**Project count**	How many projects are in your EVOMATIC folder. SEE PROJECTS AND FILES

4 THE DECK

The Deck is home: the record on the left, the controls on the right. Drop a song file anywhere on EVOMATIC to load it.



	ITEM	DESCRIPTION
1	**Main menu ☰**	New, open and save projects, show the EVOMATIC folder, settings, help, and (in the app) Audio / MIDI Settings. **SEE MENUS AND SETTINGS**
2	**Project tabs**	Every song you load opens in its own tab. Click a tab to switch, **+** for a new project, double-click a tab to rename it, X to close it. **SEE PROJECTS AND FILES**
3	**The record**	Drag along the record to scratch it, or use a two-finger scroll, or your controller's mod wheel / pitch bend. Hold `Shift` to cut the sound while you scratch (like a crossfader). **SEE SCRATCHING**
4	**Table and size**	The two dots switch the table between black and silver; the percentage sets the window size (50%, 75% or 100%).
5	**Record menu (cog)**	Pick the record's colour, or roll a random one. **SEE RECORD COLOURS**
6	**Page tabs**	SAMPLE opens the Sampler, STEMS + MIDI the stem editor, AUDIO DNA the song analysis.

7	**Pads 1-12**	The first 12 chops, ready to play with the mouse or your controller. The name under each pad is its chop (lyrics with AUTO VOX). The Sampler has all 24. **SEE THE SAMPLER**
8	**Play / Pause**	Start or stop the record (`Space`).
9	**Reset**	Stop and put the needle back on chop 1.
10	**Loop**	Loop on / off (`L`). With no loop set, it loops 4 bars from the needle. Right-click to choose how long.
11	**Rec**	Record what you play. When you stop, drag from this button straight into your DAW to drop the take on a track. **SEE RECORDING TAKES**
12	**Volume**	The deck's output level. Double-click any knob to reset it.
13	**Pitch and Detune**	PITCH changes the record's speed and pitch together. DETUNE bends the pitch for that slightly-off, warped vinyl sound.
14	**Dust and Wobble**	DUST adds vinyl hiss and crackle. WOBBLE adds wow and flutter, like a warped record. Both also colour your chops.
15	**The screen**	The song's title and artist, its BPM (click for 2X / 1/2, double-click to type), its key, the metronome, and a live picture of the music. Drag the bar under it to move through the song.
16	**Screen buttons**	**LOAD** a song (or a recent one) · **EXPAND** opens the Sampler · **HISTORY** goes back to an earlier state of your edits · **VIEW** switches the screen between wave, EQ and the whole song · **SYNC** follows your DAW's tempo · **TIME** shows where you are in the song.

SCRATCHING

Grab the record with the mouse and move it back and forth - the sound follows your hand, like vinyl. Let go and it plays on. A two-finger trackpad scroll works too. With a MIDI controller, the **mod wheel** or **pitch bend** scratches.

Hold `Shift` while you scratch to cut the sound, the way a DJ uses the crossfader. Tap it in rhythm for transformer and chirp-style cuts.

RECORDING TAKES

Press **REC**, play - scratches, pads, knob moves - and press it again to stop. The take is saved as a WAV in your EVOMATIC folder (Takes). Drag from the REC button into your DAW to place it on a track.

RECORD COLOURS

Click the cog for the full list of record colours, each with a little picture. Pick one and the record changer swaps it in. **RANDOM COLOUR** picks one for you. In General Settings, "New record colour for each song" gives every new song its own colour.

5 THE SAMPLER

The Sampler is where you chop. Open it with the SAMPLE tab or EXPAND. The song's waveform is on top, how to chop it in the middle, the 24 pads and the selected pad's settings below.



	ITEM	DESCRIPTION
1	**Undo / Redo**	Undo or redo your last pad edits (`Ctrl` + `Z` / `Ctrl` + `Y`).
2	**Transport**	Play / stop, back to the grid start, and loop on / off.
3	**Play On / Cut Off**	**PLAY ON**: a boxed chop plays to its end when you let go of the pad. **CUT OFF**: it stops when you let go. A chop without a box (just a start line) always plays only while you hold it. SEE CHOP LENGTHS
4	**Mono / Poly**	**MONO**: a new pad cuts off the one before. **POLY**: pads ring on together.
5	**Song, key and BPM**	The song and the key and BPM EVOMATIC found. Double-click the key to type the real one if it's wrong (like F#m or Bb major). Right-click the BPM to go back to the one EVOMATIC found.
6	**Target key**	Play every pad in another key: pick the note and major / minor, or step in semitones with the arrows. 0 = the song's own key.
7	**Metronome**	Clicks on the song's beat (bar 1 accented). Set its volume in General Settings.

8	**Playback speed**	The speed the track plays at. Click for 2X / 1/2 and the time signature, double-click to type a BPM.
9	**Sync**	Follow the DAW's tempo, and start / stop with it.
10	**Menu and Close**	The menu saves or loads a **pad board** (your chops and their settings), resets every pad, shows all chops, or puts the grid start at the needle. X (or `Esc`) closes the Sampler.
11	**Edit Grid**	Set where bar 1 is and the song's tempo, so chops and loops land on the beat. **SEE EDIT GRID**
12	**Follow**	When zoomed in, the wave scrolls smoothly with the playhead. Turn it off to freeze the view while the song plays.
13	**Snap**	The magnet: chop starts, ends and the loop snap to the grid. Click the arrow to choose what they snap to (auto follows the zoom).
14	**Zoom**	Zoom in (+), out (-), or show every chop. You can also zoom with the mouse wheel over the wave.
15	**X-Ray and stems**	**X-RAY** shows each stem in its own colour; click a stem button under it to solo it (you hear it too). The sliders under the stem buttons set each stem's volume (double-click: 0 dB). In AUTO VOX / BASS / DRUM only that stem is shown.
16	**The waveform**	Each chop has a numbered marker. A chop with a box plays to its END bracket - drag the END to make it shorter or longer, drag the marker to move it. Click the wave to move the needle. AUTO VOX shows the lyric under each chop.
17	**Overview**	The whole song, with every chop marked. Double-click to jump there; drag the box to move the zoomed view.
18	**Chop method**	Pick how to find samples with the arrow, then click the big button to chop (again: a new set). **SEE CHOP METHODS**
19	**Method options**	Each method's own choices. For AUTO VOX: **RIFFS & RUNS**, **WORDS** or **PHRASES**, and PREV 12 / NEXT 12 to page through what it found.
20	**MIDI / Keys**	How you play the pads: **MIDI** (C3 plays pad 1 up to B4 for pad 24 - change this in MIDI Mapping) or **KEYS** (your computer keyboard: the Z row is pads 1-12, the Q row 13-24). MIDI always works.
21	**Pad boards**	Save this board of chops (with all their settings) or load one onto the pads.
22	**Select All, Delete, Arrange**	Select every pad, delete the selected ones, or **ARRANGE**: put the pads in a new order (or click two pads to swap them), then apply.
23	**The pads**	24 pads, each with its number, its MIDI note, a picture of its sound and its name. Click to select and hear it. The padlock locks a pad so re-chopping and edits leave it alone. `←` `→` step through the pads.
24	**Pad name**	The selected pad. The star marks it as a favourite; the arrows step to the previous / next pad.
25	**Sound / FX**	**SOUND**: how the pad plays. **FX**: one effect per pad, in time with the song, with a MIX amount. **SEE PAD EFFECTS**
26	**Level, Filter, Attack, Release**	LEVEL follows the deck VOLUME until you turn it (double-click: back to VOLUME). FILTER darkens or thins the sound. ATTACK fades the start in, RELEASE fades the end out.

27	**Stems and Velocity**	Which stems this pad plays - mix any of vocals, drums, bass and instrumental. VELOCITY: how much quieter a soft hit plays (0% = every hit at full level).
28	**Preview and More**	Play the pad. The **...** button opens more: play ONCE, LOOP or PING-PONG, REVERSE, and the pad's trim and fades.

CHOP METHODS

METHOD	WHAT IT DOES
MANUAL	Chop it yourself: while the song plays, hit an empty pad (or its key) to put a chop there.
AUTO CHOP	Chops on the grid, starting from the grid start. Choose the length (1/4 bar up to 16 bars); the arrows bring the next 12.
AUTO VOX *(beta)*	Chops from the vocal stem: **RIFFS & RUNS** (several sung notes on one vowel), **WORDS** (a chop on every word, named with the lyric) or **PHRASES** (whole sung lines, split at breaths). Lyrics are read on your computer; words it isn't sure of show as *(word)*.
AUTO BASS *(beta)*	Bass notes (one pad each, low to high) or bass lines, from the bass stem.
AUTO DRUM *(beta)*	Every different drum sound in the drum stem, once each, named (KICK, SNARE, HAT...).
RANDOM	24 random chops from anywhere in the song, each starting on a beat. Click again for a new set.

AUTO VOX, AUTO BASS and AUTO DRUM need the song's stems. If they aren't split yet, EVOMATIC splits them first (this takes a few minutes the first time; after that it's instant). If a song has no vocals, drums or bass, EVOMATIC tells you.

CHOP LENGTHS: LINES AND BOXES

A chop is either a **line** (just a start - it plays for as long as you hold the pad) or a **box** (a start and an END - it plays that stretch). Drag a line's end out to make it a box; push the END back onto the start to make it a line again. A chop can be up to 25 seconds long.

PLAYING THE PADS

- **Mouse**: click the pads on the Deck or in the Sampler.
- **MIDI**: C3 to B4 play pads 1 to 24 (change it in MIDI Mapping). Velocity works - see VELOCITY.
- **Computer keyboard**: switch the pads to KEYS. The letters are printed on the pads.

6 EDIT GRID

The grid is the song's bar lines. EVOMATIC sets it for you when a song loads; Edit Grid is for when it's off - a song that starts with a pickup, a live drummer, a wrong tempo.

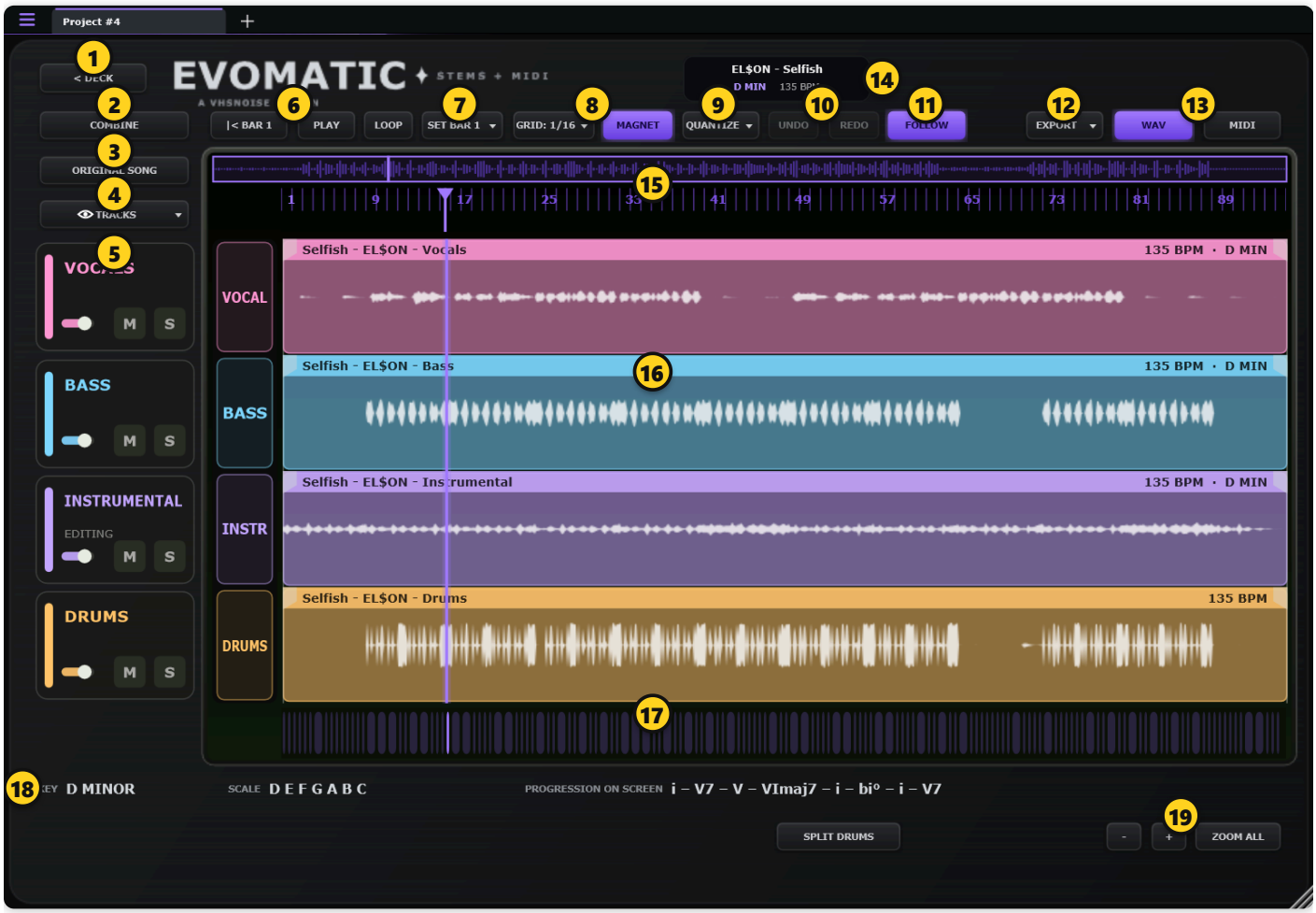


	ITEM	DESCRIPTION
1	**Auto**	Put bar 1 on the **DOWNBEAT** (the drums' first downbeat - worked out from the beat pattern when a song opens with only snares or hats) or on the **FIRST SOUND**.
2	**At the Needle**	Put bar 1 exactly where the needle is.
3	**Slip**	Slide the whole grid earlier or later. You can also drag the wave with the SLIP tool.
4	**Adjust**	Spread the grid lines apart or closer (bar 1 stays put): this changes the song's BPM.
5	**Tap**	Tap along to the beat (4 taps or more) to set the BPM.
6	**BPM**	Type the song's BPM, or nudge it with the small arrows.
7	**X2 and 1/2**	Double or halve the BPM if EVOMATIC found half-time or double-time.
8	**Confirm / Cancel**	Keep the new grid (`Enter`) or put it back as it was (`Esc`). The Stems page uses the same grid.
9	**Snap bar 1**	**HIT** puts bar 1 on the nearest drum hit; a note value moves it in whole steps of the grid.

10	**Bar 1 pin**	Drag the pin, or click the wave, to move bar 1 by hand.

7 STEMS + MIDI

The stem editor works like a DAW. Split the song into vocals, drums, bass and instrumental; see each one as audio (WAV view) or as notes (MIDI view); cut, move and edit; then drag the result into your own DAW.



	ITEM	DESCRIPTION
1	**< Deck**	Back to the Deck (`Esc`).
2	**Split Stems / Combine**	**SPLIT STEMS** splits the one master track into vocals, bass, instrumental and drums, each its own track with WAV and MIDI. **COMBINE** folds them back into one.
3	**Original Song**	A/B: hear the untouched song instead of your edited stems.
4	**Tracks**	Hide or show tracks. A hidden track leaves the page but still plays - use M / S for the sound.
5	**Track headers**	Each track's name, its volume slider, **M** (mute) and **S** (solo). Click a track's name to edit it.
6	**Bar 1, Play, Loop**	Back to bar 1 (`Home`), play / stop (`Space`), loop on / off (`L` - no loop yet: 4 bars from the playhead).
7	**Set Bar 1**	Click it, then click where bar 1 starts. Set automatically after the split.
8	**Grid and Magnet**	The grid size for notes and loops, and the magnet that snaps to it (hold `Alt` to move freely).

9	**Quantize**	Pull note starts onto the grid - the selected notes, or the whole stem if none are selected (`Q`).
10	**Undo / Redo**	Undo or redo edits (`Ctrl` + `Z` / `Ctrl` + `Y`).
11	**Follow**	The view moves with the playhead while it plays.
12	**Export**	Export the highlighted track as WAV or MIDI, every stem, or the mix. Click to save it to Documents\Evomatic\Exports. The arrow picks what's covered: the whole song from bar 1, or just the loop. **SEE EXPORTING**
13	**WAV / MIDI**	See and hear the stems as audio (WAV) or as notes (MIDI). **SEE MIDI VIEW**
14	**Song**	The song, with its key and BPM.
15	**Ruler and loop**	Click or drag the numbers to move the playhead. Drag the lower strip to set a loop (drag its edges to resize; double-click it: loop on / off). The small box at the top is the whole song - drag it to scroll.
16	**Tracks and boxes**	Each stem's audio, in boxes you can select, move, slice and merge like clips in a DAW. Hover a track's corner for its WAV / MIDI file to drag into your DAW. **SEE EDITING BOXES**
17	**Chord strip**	The chords and where they sit in the key. Click a chord to go there; double-click to loop it.
18	**Key and scale**	The song's key and the notes of its scale.
19	**Split Drums and Zoom**	**SPLIT DRUMS** splits the drums into kick, snare and hats - each its own track with its own WAV and MIDI (again: back to one drums track). **- / +** zoom; **ZOOM ALL** shows the whole project.

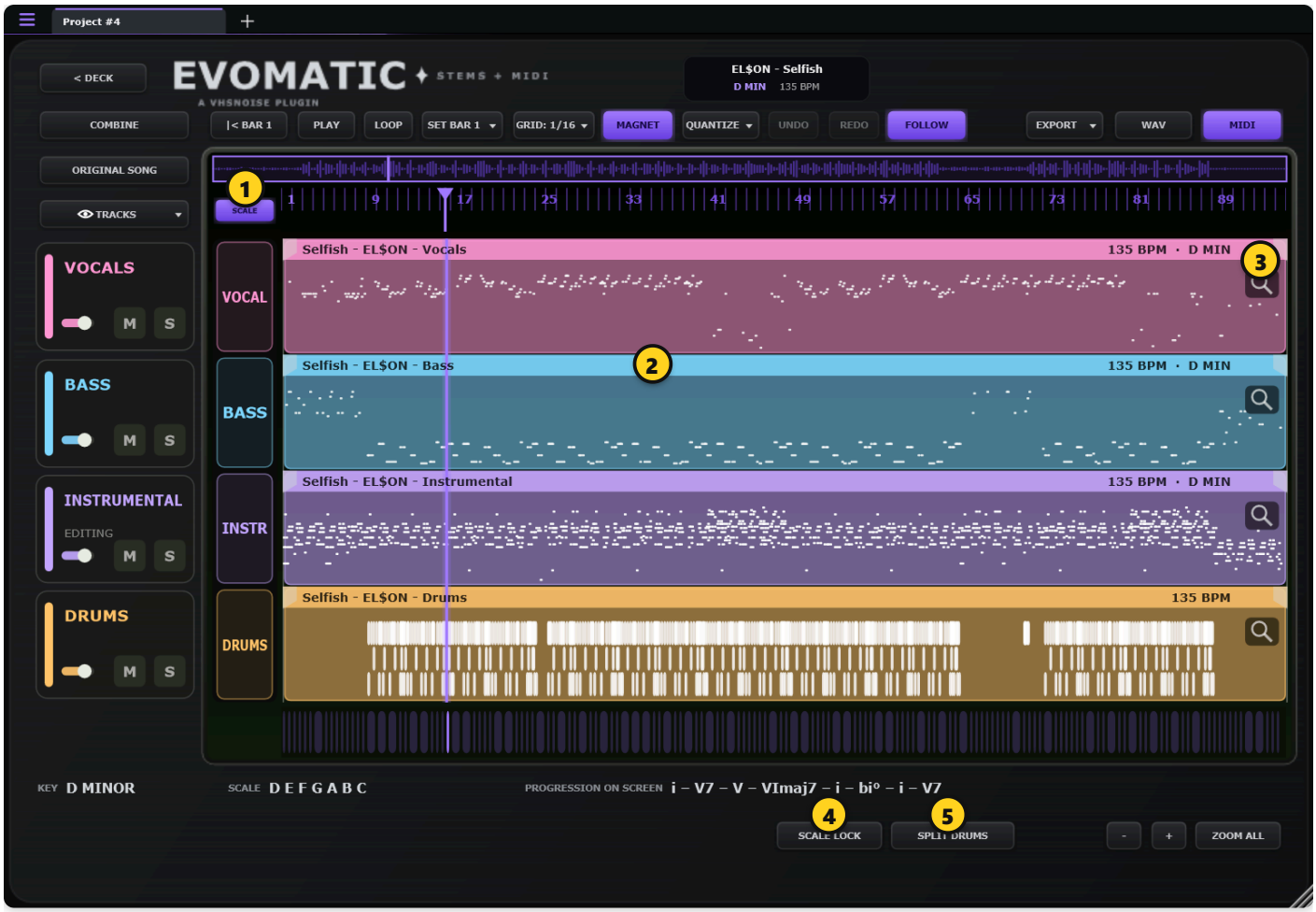
EDITING BOXES

Every track is made of boxes (clips). They work like clips in a DAW:

- **Select**: click a box - only that box lights up. `Ctrl`+click adds or removes boxes; `Shift`+click picks a range.
- **Move**: drag a box (or its title bar). Hold `Ctrl` while dragging to copy it.
- **Slice**: right-click > **Slice** cuts the box at the playhead into two boxes, each with its own title.
- **Trim and extend**: drag a box's edge. At a slice, dragging moves the cut; next to empty space, the box grows or shrinks.
- **Merge**: select two or more boxes (they don't have to be next to each other) and right-click > **Merge** - they become one box from the first to the last.
- **Delete**: select and press `Delete` (or right-click > Delete).
- **Cut, Copy, Paste, Duplicate**: right-click, or `Ctrl` + `X` / `C` / `V` / `D`.

The right-click menu: **Cut, Copy, Paste, Duplicate, Select All, Slice, Merge, Delete**.

MIDI VIEW



	ITEM	DESCRIPTION
1	**Scale**	Light up the piano keys (and rows) in the song's key. Click a key to hear it.
2	**Notes**	Drag a box around notes to select them, drag notes to move them, drag a note's end to resize it, double-click to draw a note, right-click to delete. Edits play straight away.
3	**Stacked view**	All four stems' MIDI at once (drums at the bottom). Click the magnifier on one to make it fill the box. `Ctrl` +click a stem on the left to show its notes faintly behind the one you edit.
4	**Scale Lock**	Notes you draw or move snap to the song's key, so nothing goes out of key.
5	**Chord View**	Group the notes by chord, in boxes you can drag around the piano roll.

The sound MIDI view plays with can be the song itself (your edits use the stem's own sound) or a simple synth, with a few bass and instrument sounds to choose from.

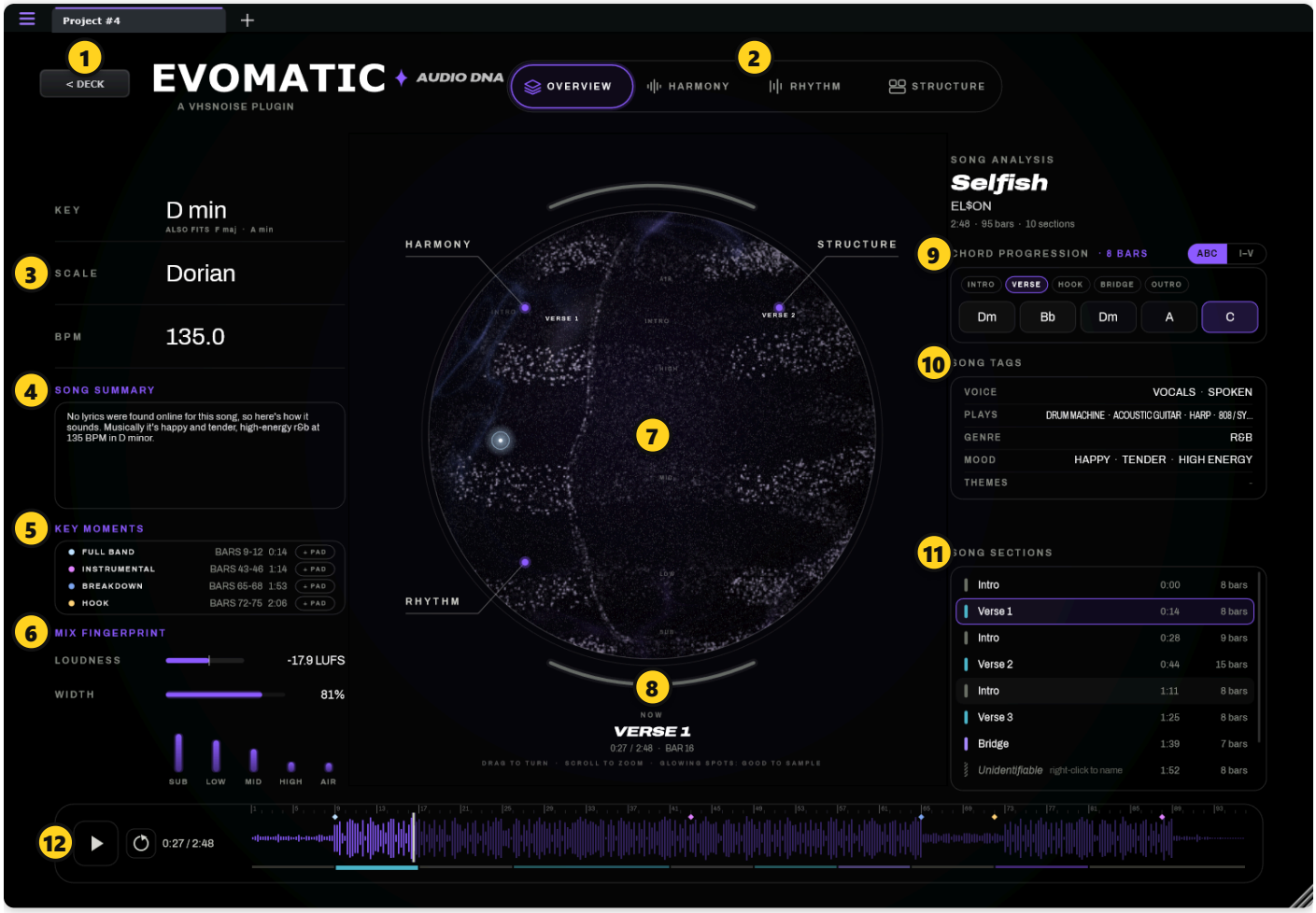
EXPORTING AND DRAGGING TO YOUR DAW

- **Drag**: hover a track and drag its WAV or MIDI file icon straight onto a track in your DAW.
- **Export**: the EXPORT button saves WAV files (the selected track, every stem plus the master, or the mix) or MIDI to **Documents\Evomatic\Exports**. Turn "Ask where to save exports" on in General Settings to choose the place each time, and pick 24-bit or 16-bit WAV there too.
- Exports cover the whole song from bar 1, or just the loop - set it with the arrow next to EXPORT.

8 AUDIO DNA

Audio DNA reads the whole song: key, scale, tempo, chords, groove and structure. It has four tabs - Overview, Harmony, Rhythm and Structure - and a player along the bottom.

OVERVIEW

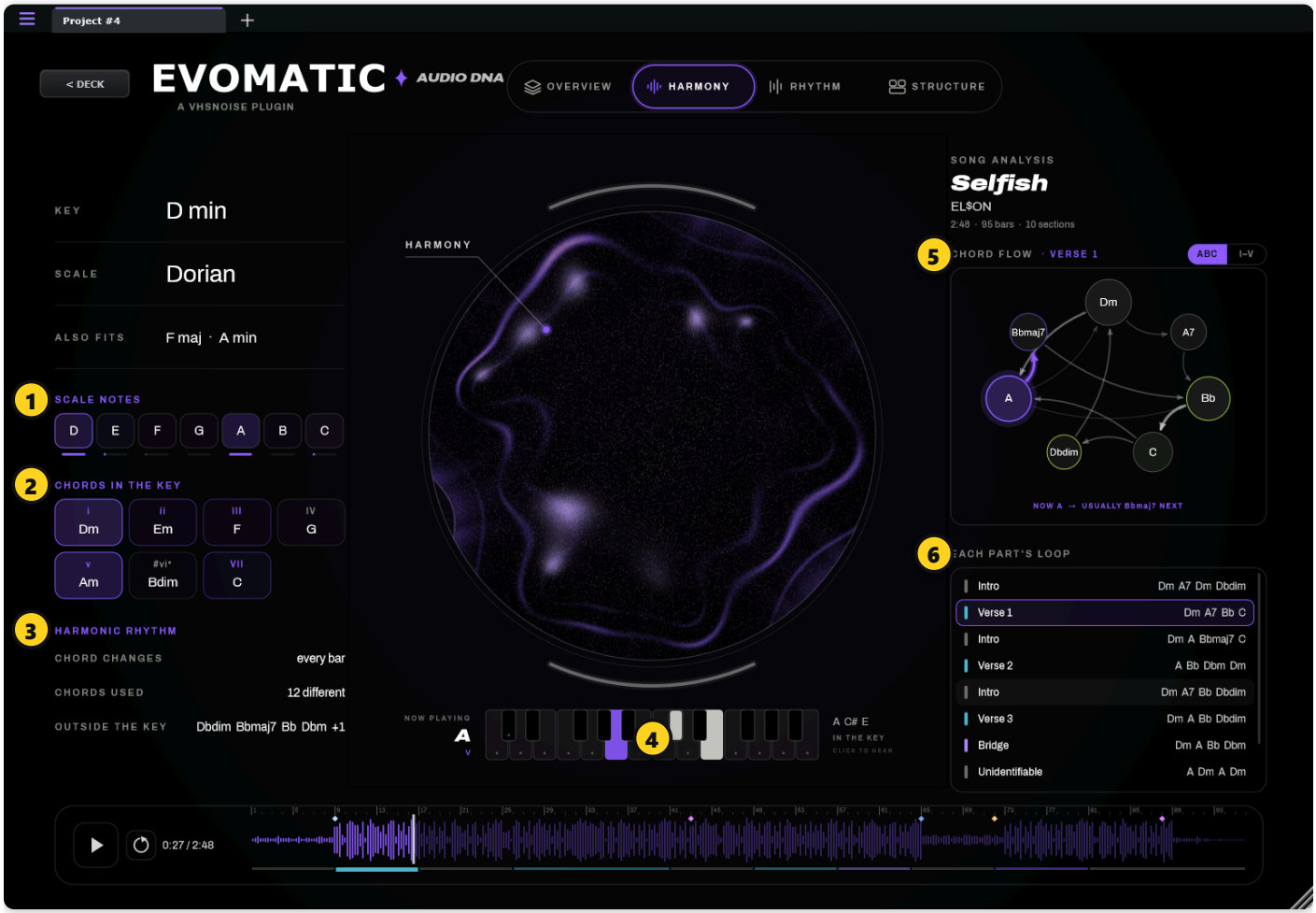


	ITEM	DESCRIPTION
1	**< Deck**	Back to the Deck (`Esc`).
2	**Tabs**	OVERVIEW, HARMONY, RHYTHM and STRUCTURE.
3	**Key, Scale, BPM**	The song's key (and other keys it also fits), its scale and its tempo.
4	**Song Summary**	What the song sounds like - and what it's about, when its lyrics can be found online.
5	**Key Moments**	Spots that are good to sample - a full-band moment, an instrumental break, a breakdown, the hook. Click to loop it, double-click to go there, **+ PAD** to put it on the next free pad.
6	**Mix Fingerprint**	How loud and how wide the song is, and how its energy spreads from sub bass to air.
7	**The song globe**	The song as a picture. Drag to turn it, scroll to zoom. The glowing spots are good places to sample - click one to loop it. The labels open each tab.

8	**Now**	The part playing now, the time and the bar.
9	**Chord Progression**	Each kind of part's chords. Pick a part with the pills; click a chord to hear it. ABC / I-V switches between chord names and numerals.
10	**Song Tags**	The voice, the instruments, the genre, the mood and the themes EVOMATIC heard.
11	**Song Sections**	Every part of the song in order. Click one to pick it (the player loops it with `L`); right-click to rename it.
12	**Player**	Play / stop, back to the start (`Home`), and the song's wave with its parts underneath. Click the wave to jump; the diamonds are the key moments.

> **Tip:** the first time you open Audio DNA for a song it reads the song (a few seconds). **SKIP** on the loading screen lets you carry on while it finishes.

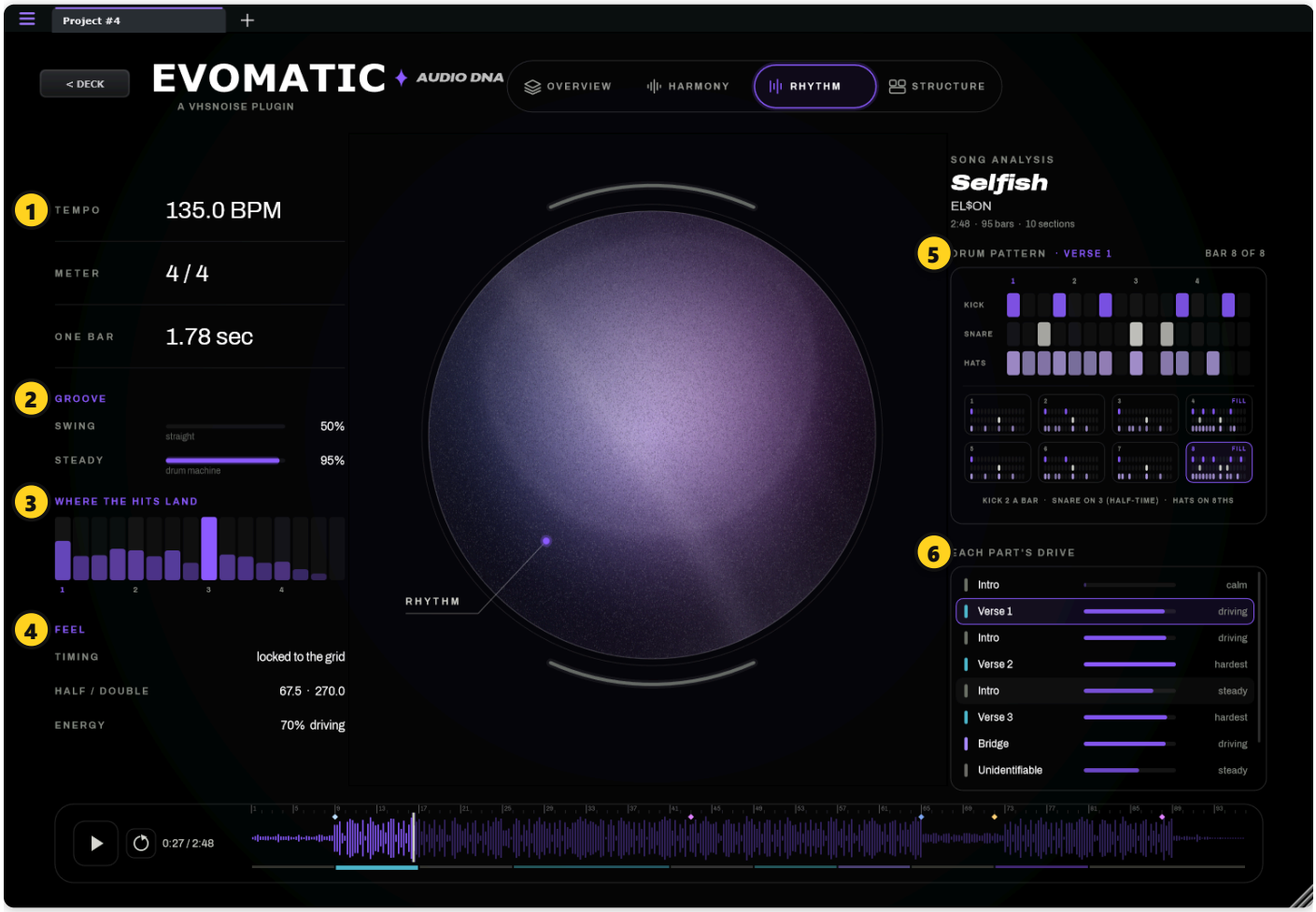
HARMONY



	ITEM	DESCRIPTION
1	**Scale Notes**	The notes of the song's scale. The bars under them show how much each one is used.
2	**Chords in the Key**	Every chord that belongs to the key, with its numeral. The ones the song uses are lit. Click to hear one.

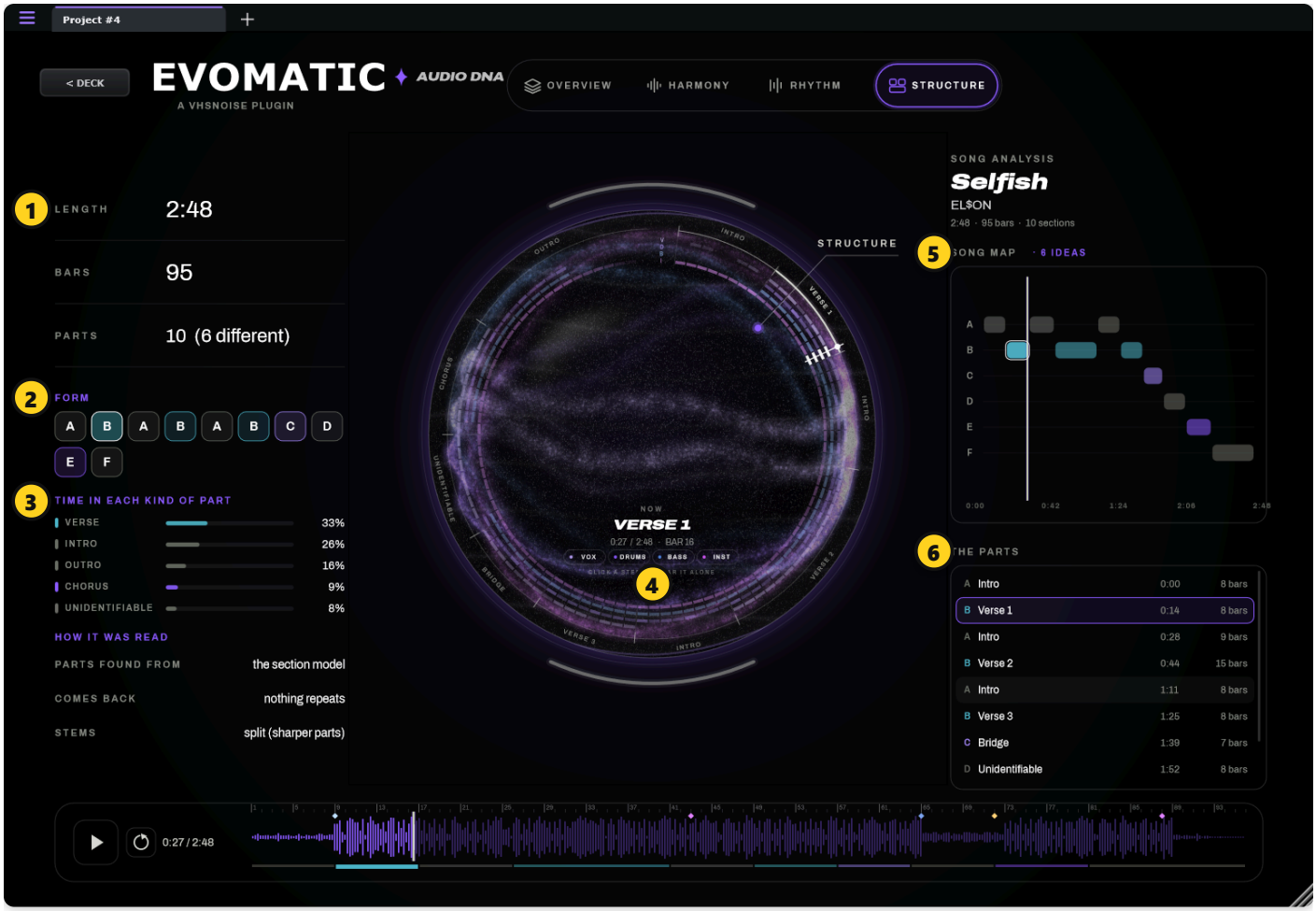
3	**Harmonic Rhythm**	How often the chords change, how many it uses, and which ones step outside the key.
4	**Now Playing**	The chord playing now, on a keyboard, with its notes.
5	**Chord Flow**	Which chord usually comes next. The thick arrow is the next most likely move.
6	**Each Part's Loop**	The chord loop of every part of the song.

RHYTHM



	ITEM	DESCRIPTION
1	**Tempo, Meter, One Bar**	The BPM, the time signature and how long one bar lasts.
2	**Groove**	How much swing the beat has, and how steady (programmed) or loose (played live) it is.
3	**Where the Hits Land**	How often a hit falls on each 16th of the bar.
4	**Feel**	Its timing, the half- and double-time tempos, and its energy.
5	**Drum Pattern**	Kick, snare and hats in a 16-step grid for the bar playing (or the one you click), and the part's 8 bars underneath.
6	**Each Part's Drive**	How hard each part of the song pushes. Click a part to go there.

STRUCTURE



	ITEM	DESCRIPTION
1	**Length, Bars, Parts**	How long the song is, in time and bars, and how many parts it has.
2	**Form**	The song's form in letters: parts that sound alike share a letter.
3	**Time in Each Kind of Part**	How much of the song is verse, chorus, intro and so on.
4	**Stem buttons**	VOX, DRUMS, BASS, INST: hear one stem on its own (click again for the full song).
5	**Song Map**	Every part laid out over time, one row per idea. Click a part to go there.
6	**The Parts**	Every part with its letter, start time and length.

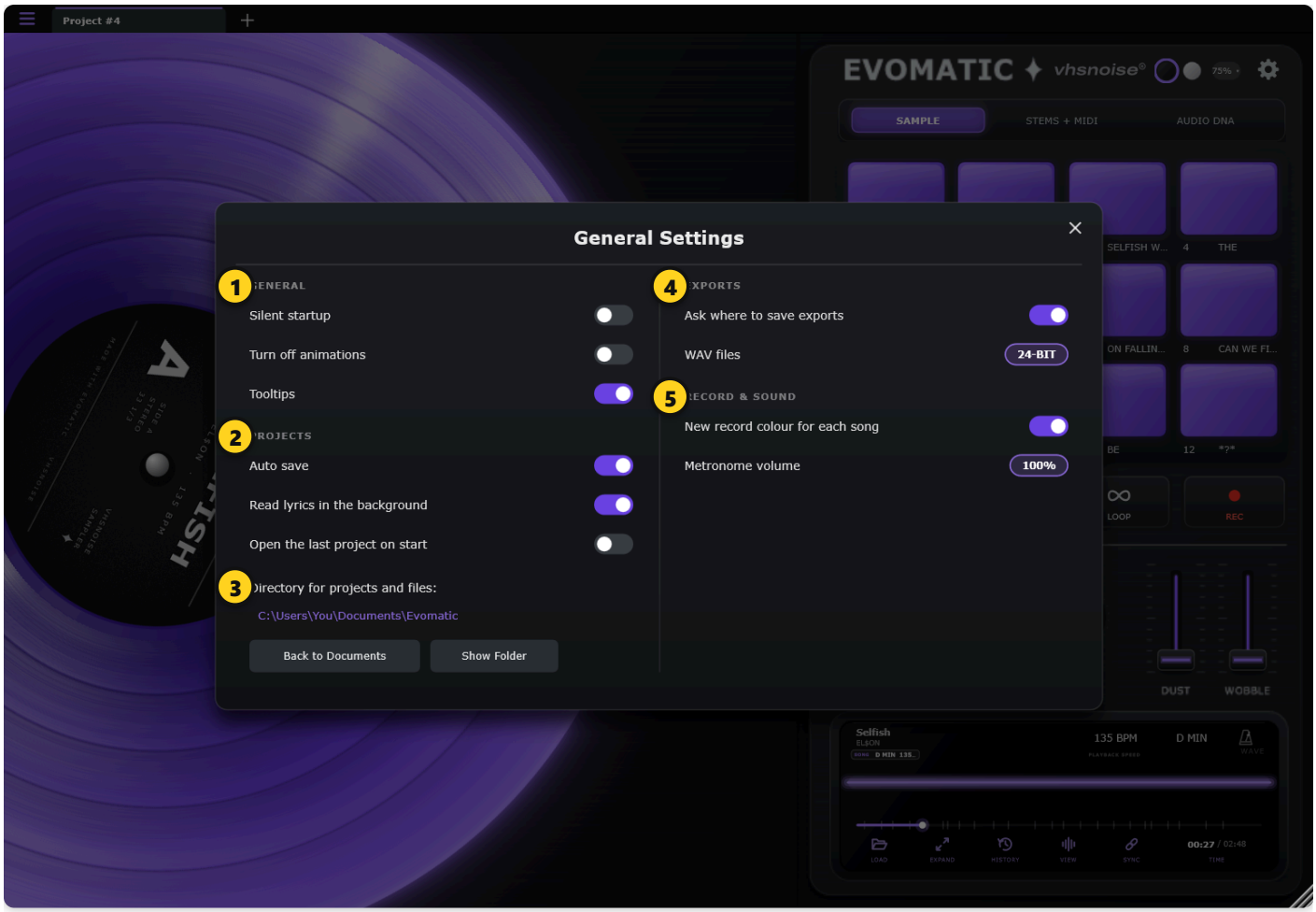
9 MENUS AND SETTINGS

THE MAIN MENU ☰

ITEM	WHAT IT DOES
New Project	Start a new, empty project in a new tab.
Open Project...	Open a saved project.
Save Project / Save Project As...	Save now, or save a copy under a new name. (With Auto save on, projects save by themselves as you go.)
Show the Evomatic Folder	Open your EVOMATIC folder in Windows Explorer.
General Settings...	Preferences - see below.
Pad Mapping... / MIDI Learn...	Set which notes play which pads, and control the knobs from your controller. SEE MIDI MAPPING
License	Shows your licence status. **Manage License...** activates your key on this computer, or deactivates it so you can move it to another one.
User Manual	Opens this manual.
Report a Bug...	Describe what happened; EVOMATIC saves a report with its diagnostics and opens an email to support@vhsnoise.com. Attach the report file it shows you.
Export Diagnostics...	Save a text file about your system and EVOMATIC's setup, to send to support.
Check for Updates...	See whether a newer version is out.
About Evomatic	The version, credits and the open-source licences.
Reset Preferences...	Put every preference back to how it came.
Audio / MIDI Settings...	(App only) Your audio interface, sample rate and buffer size.

The **cog** on the Deck is the record menu: every record colour, and Random Colour.

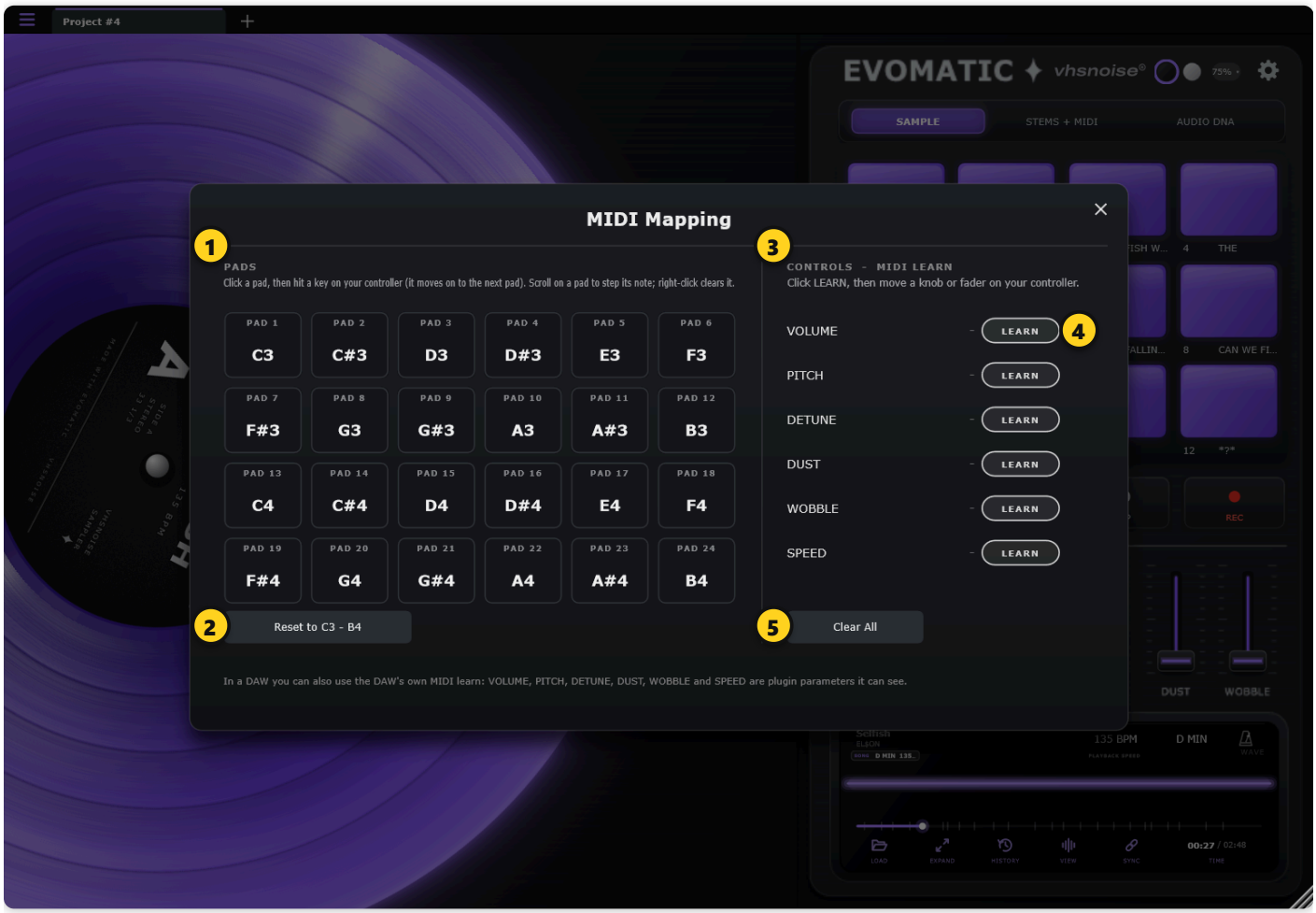
GENERAL SETTINGS



	ITEM	DESCRIPTION
1	**General**	**Silent startup**: no boot sound when EVOMATIC opens. **Turn off animations**: the moving extras hold still (handy on slower computers). **Tooltips**: the hover help on every control.
2	**Projects**	**Auto save**: projects save by themselves as you go. **Read lyrics in the background**: once a song's stems are ready, EVOMATIC quietly reads its lyrics so AUTO VOX is instant. **Open the last project on start**.
3	**Folder**	Where EVOMATIC keeps projects, exports, takes and pad boards. Click the path to choose another folder; **Back to Documents** resets it; **Show Folder** opens it.
4	**Exports**	**Ask where to save exports** (off: they go straight to the Exports folder), and **WAV files**: 24-bit or 16-bit.
5	**Record and Sound**	**New record colour for each song**, and the **Metronome volume**.

10 MIDI MAPPING

Make EVOMATIC fit your controller: choose which notes play the pads, and move its knobs from your own knobs and faders.



	ITEM	DESCRIPTION
1	**Pads**	Click a pad, then hit a key or pad on your controller - it's set, and the next pad is ready, so you can map all 24 in a row. Scroll over a pad to step its note; right-click clears it.
2	**Reset to C3 - B4**	Back to the standard layout: C3 plays pad 1, up to B4 for pad 24.
3	**Controls**	VOLUME, PITCH, DETUNE, DUST, WOBBLE and SPEED, each with the controller knob (CC) it's on.
4	**Learn**	Click LEARN, then move a knob or fader on your controller. The X next to it clears it.
5	**Clear All**	Remove every learned control.

> **In a DAW** you can also use the DAW's own MIDI learn or automation: VOLUME, PITCH, DETUNE, DUST, WOBBLE and SPEED are plugin parameters it can see.

11 PROJECTS AND FILES

PROJECTS

A project is one song with everything you did to it: chops, pad settings, stem edits, the grid and the record colour. Every song you load opens in its own tab, named Project #1, #2 and so on - double-click a tab to rename it. With Auto save on, projects save as you go; you never have to remember.

In a DAW, the project is also saved inside your DAW session, so opening the session brings everything back.

THE EVOMATIC FOLDER

By default: **Documents\Evomatic**. Change it in General Settings.

FOLDER	WHAT'S IN IT
Projects	Your saved projects (.spinproject), each in its own folder.
Exports	WAV and MIDI files you export from Stems + MIDI.
Samples	Pads and chops you dragged out into a DAW. Keep these where they are - your DAW points to them.
Takes	Recordings from the REC button.
Pad Boards	Saved pad boards (.spinchops).
Support	Bug reports made with Report a Bug.

Split stems and read lyrics are kept in a cache, so the same song never has to be split or read twice.

SUPPORTED AUDIO FILES

WAV, AIFF, FLAC, MP3 and OGG. Songs up to about 10 minutes work best.

12 KEYBOARD SHORTCUTS

EVERYWHERE

KEY	DOES
`Space`	Play / stop
`L`	Loop on / off (no loop yet: 4 bars from the needle)
`Shift` + `B`	Back to the start of the grid (Audio DNA: the start of the song)
`Shift` **(hold)**	Cut the sound while scratching
`Ctrl` + `Z` / `Ctrl` + `Y`	Undo / redo
`Esc`	Close the page you're on (back to the Deck)

SAMPLER

KEY	DOES
`←` `→`	Previous / next pad
`Ctrl` + `A`	Select all pads
`Delete`	Delete the selected pads (locked pads stay)
`Shift` + `Z` / `Shift` + `Y`	Undo / redo (also with Ctrl)
`Enter` / `Esc`	In Edit Grid: confirm / cancel
Pad keys (KEYS on)	**Z S X D C V G B H N J M** = pads 1-12, **Q 2 W 3 E R 5 T 6 Y 7 U** = pads 13-24

STEMS + MIDI

KEY	DOES
`Home`	Back to bar 1
`Ctrl` + `X` / `C` / `V` / `D`	Cut / copy / paste / duplicate
`Ctrl` + `A`	Select all notes (MIDI view)
`Delete`	Delete the selected boxes or notes
`Q`	Quantize
Arrow keys	Nudge the selected notes
`Alt` **(hold)**	Move freely, without the grid
`Ctrl` **+drag**	Copy a box while you drag it

START SCREEN

KEY	DOES
`↑` `↓`	Move through the projects
`Enter`	Open the selected project

`Delete`	Delete the selected project

13 PAD EFFECTS (FX) REFERENCE

Each pad can have one effect, picked on the pad's FX tab. Every effect follows the song's tempo. MIX sets how much of it you hear.

EFFECT	WHAT IT DOES
NONE	The chop plays as it is.
REVERSE	Plays backwards, like pulling the record back.
STUTTER	Repeats the start in 1/16 notes.
HALF SPEED	The record at half speed (an octave down).
TAPE STOP	Slows down to a stop, like cutting the motor.
TAPE START	Winds up from a stop, in time from the next beat.
SLOW TRIP	Every quarter-note triplet runs at half speed, then catches up.
BABY	A baby scratch: back and forth on the beat.
TRANSFORM	Transformer cuts: the fader chops it in 1/32s.
CHIRP	A quick push with a fader cut.
BACKSPIN	Plays, then the record is spun back hard and slows to a stop.
REWIND	A DJ rewind: halfway it's pulled back to the start, then plays again.
DRAG	A hand riding the platter: it drags slow and rushes back, in time.
STOP START	Each bar winds down to a stop, then drops back in on the one.
BRAKE	Plays, then the STOP button: it brakes hard to a stop.
SCRATCH	The last beat of every bar is a quick baby scratch.
SLOWDOWN	Each bar the speed sinks to half, then snaps back.
HI-LO	The chop, then an octave up, then an octave down - on the next beats.
FLUTTER	A fluttering grain echo, a beat behind, bouncing left and right.
SHIMMER	Sparkly grains an octave up that echo and ring out.
CASCADE	Echoes that climb: a fifth, an octave, then higher.
FREEZE	Grabs one moment and holds it as a pad.
SCATTER	Glitchy grains from all over the chop.
SWELL	Backwards grains that swell up into the sound.
SMEAR	Half speed without dropping the key: a dreamy smear.

14 TROUBLESHOOTING AND SUPPORT

COMMON QUESTIONS

No sound in the EVOMATIC app

Open ☰ > **Audio / MIDI Settings...** and pick your audio interface and output. If the screen says "NO AUDIO OUTPUT", the audio device isn't running.

My DAW doesn't show EVOMATIC

Rescan plugins, and make sure your DAW scans **C:\Program Files\Common Files\VST3**. Load EVOMATIC as an **instrument**, not an effect.

Stems or AUTO VOX take a while

The first split of a song takes a few minutes (it runs on your computer, not online). After that the stems are kept, so it's instant. Reading lyrics also takes a little time the first time; turn on "Read lyrics in the background" to have it ready before you need it.

The grid / BPM is off

Open the Sampler and use **EDIT GRID**: AUTO, AT THE NEEDLE, TAP or X2 / 1/2 usually fixes it in one click. SEE EDIT GRID

The key is wrong

Double-click the key in the Sampler's top bar and type the right one (like F#m or Bb major).

Windows says "Windows protected your PC"

Click **More info**, then **Run anyway**. This shows for new software that isn't signed yet.

GETTING HELP

- **Report a Bug** (☰ menu): describe what happened and EVOMATIC prepares an email with a report attached.
- Email **support@vhsnoise.com** - include what you were doing, and the report or diagnostics file if you can.
- **vhsnoise.com**

CREDITS

EVOMATIC © VHSNOISE. All rights reserved. Made with JUCE and open-source AI: HT-Demucs (Meta), Basic Pitch (Spotify), Whisper (OpenAI) and whisper.cpp, YAMNet (Google), All-In-One (Taejun Kim), madmom, ONNX Runtime (Microsoft), and the Archivo typeface. Synced lyrics from LRCLIB. The full licences are in the app (☰ > About Evomatic > View Licenses). VST is a registered trademark of Steinberg Media Technologies GmbH.

Screenshots show "Selfish" by EL$ON, used with permission.