



vovious

User Manual

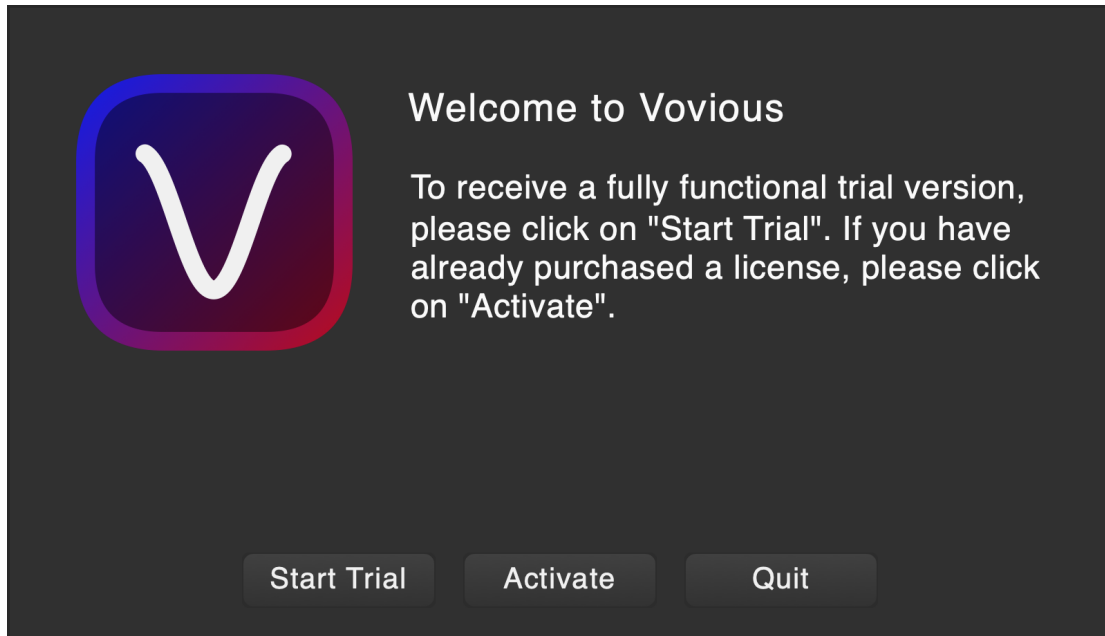
for Vovious 1.0.6 and later

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REGISTRATION / ACTIVATION

On the first launch, Vovious needs to be activated. A working internet connection is required!



Trial Activation:

To try Vovious, all you have to do is click on "Start Trial". If you have not tried Vovious before, you will receive a fully functional 30-day trial of Vovious.

Full License Activation:

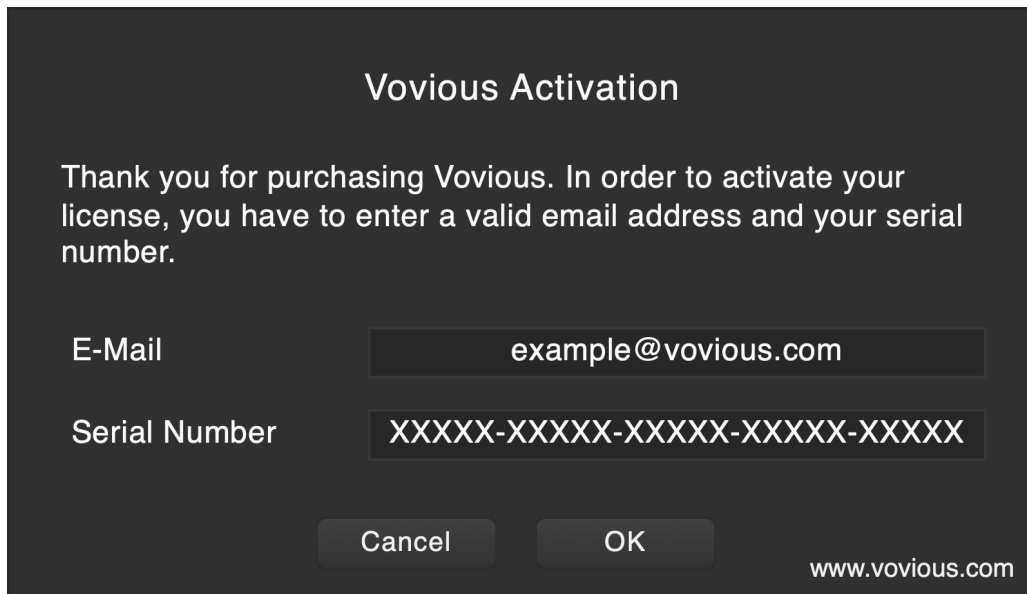
If you have purchased Vovious, first of all, we want to say **"Thank you!"**

We don't want to bother you with another user account, so we decided to make it as easy as possible. Your serial number in combination with your email address gives you the ability to activate your Vovious license on any device.

Why do we need your email address?

If your serial number is lost or stolen, we want to give you the opportunity to fix the problem. Your email address will allow us to validate you as a legitimate customer of Vovious.

Note: Maybe you need to perform this procedure with the Standalone version of Vovious because your DAW doesn't recognize all keystrokes inside the plugin.



Vovious Activation

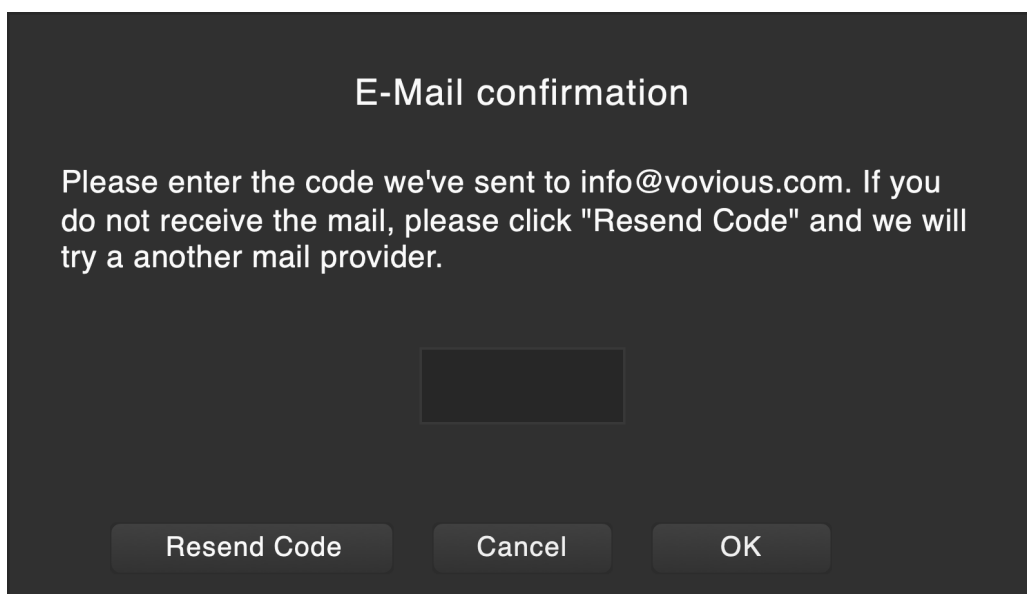
Thank you for purchasing Vovious. In order to activate your license, you have to enter a valid email address and your serial number.

E-Mail

Serial Number

www.vovious.com

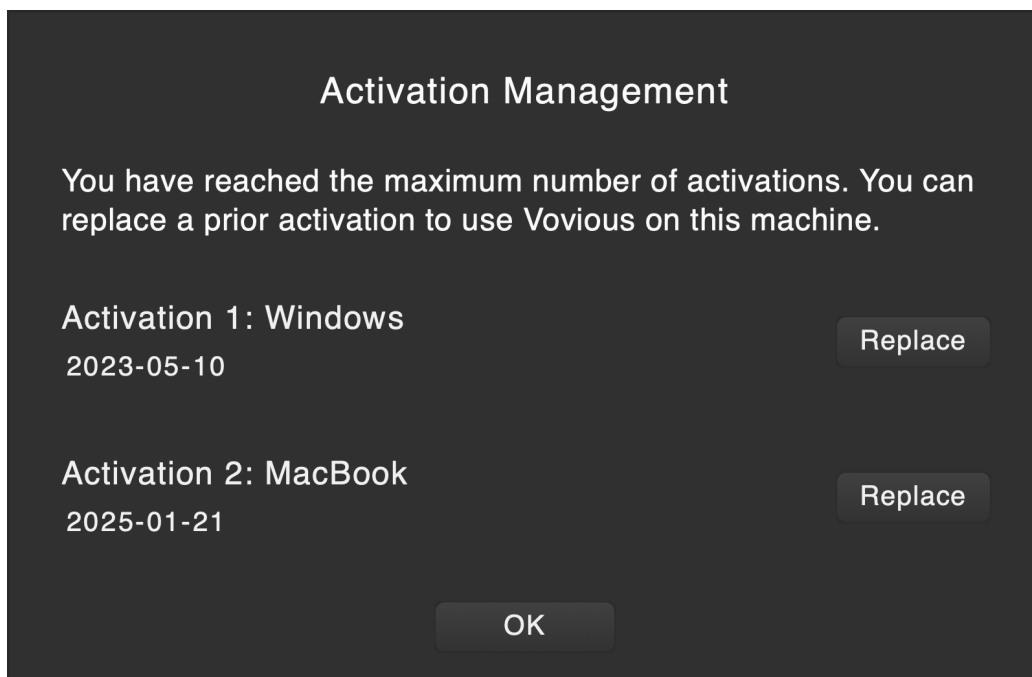
The first time you activate Vovious, you need to verify your email address by entering the code in Vovious that you received via email. If you have not received an email, you can click on "Resend Code" and we will send you another email from a different provider.



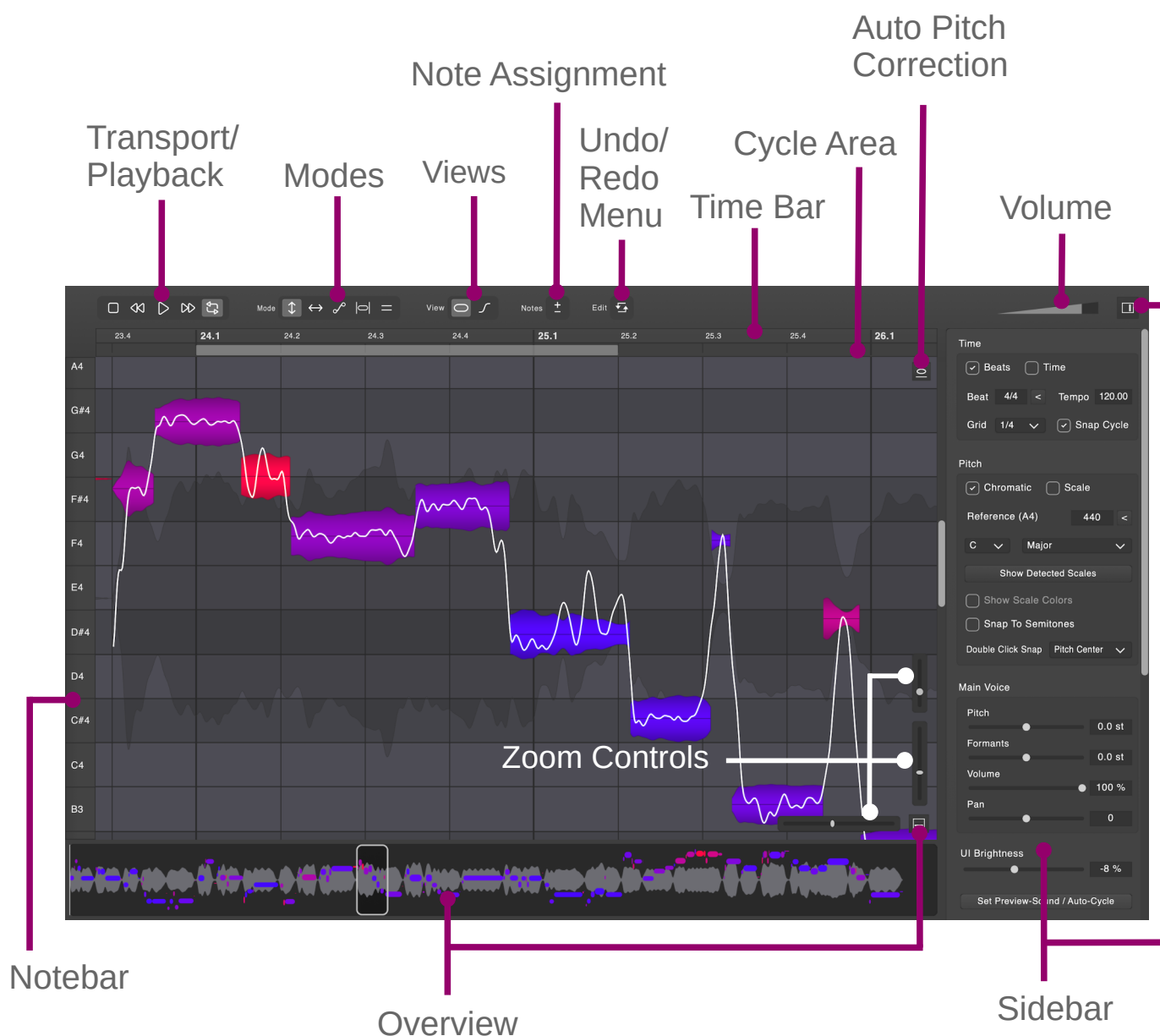
E-Mail confirmation

Please enter the code we've sent to info@vovious.com. If you do not receive the mail, please click "Resend Code" and we will try a another mail provider.

You have 2 activations which can be used on different devices. For example, on your desktop and mobile computer. If both activations are already in use, Vovious will show you a dialog where you can replace a previous activation.



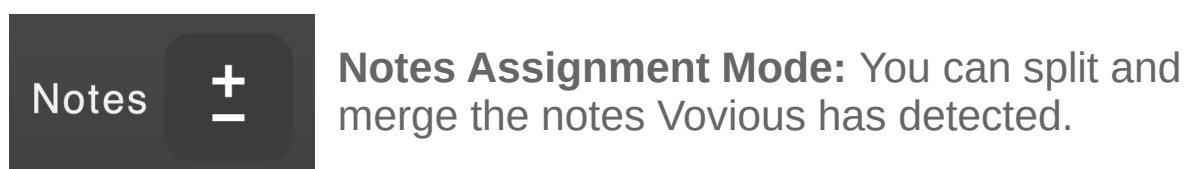
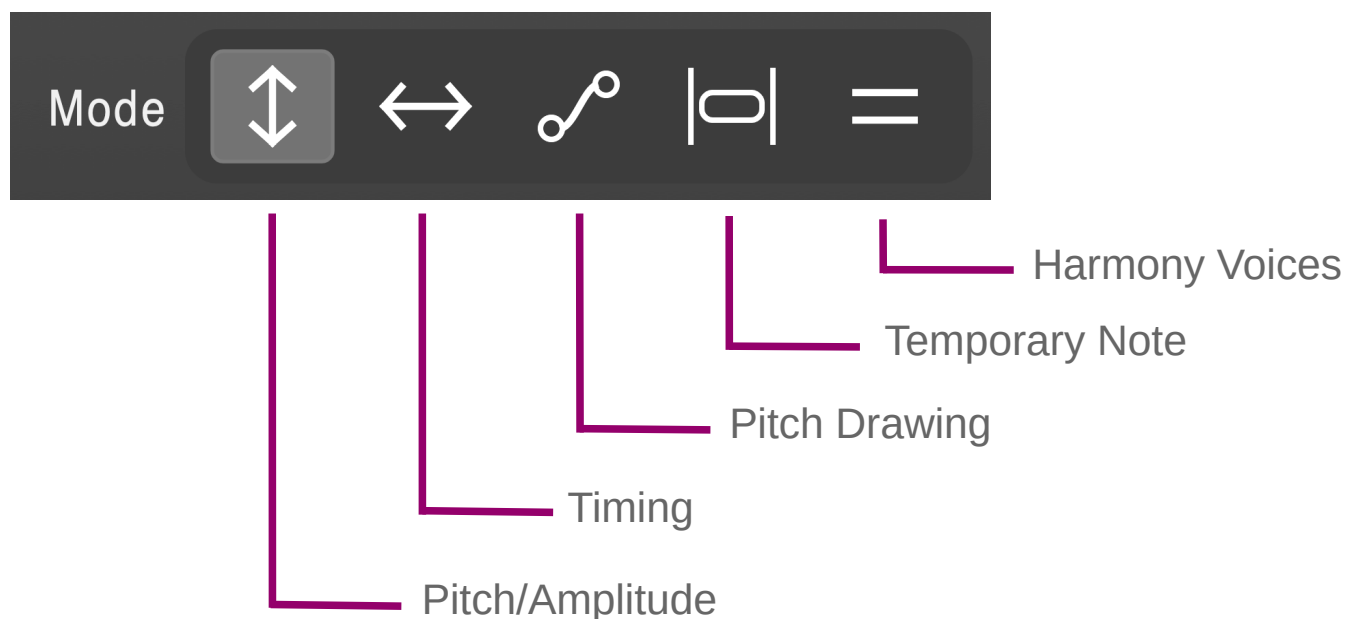
THE INTERFACE



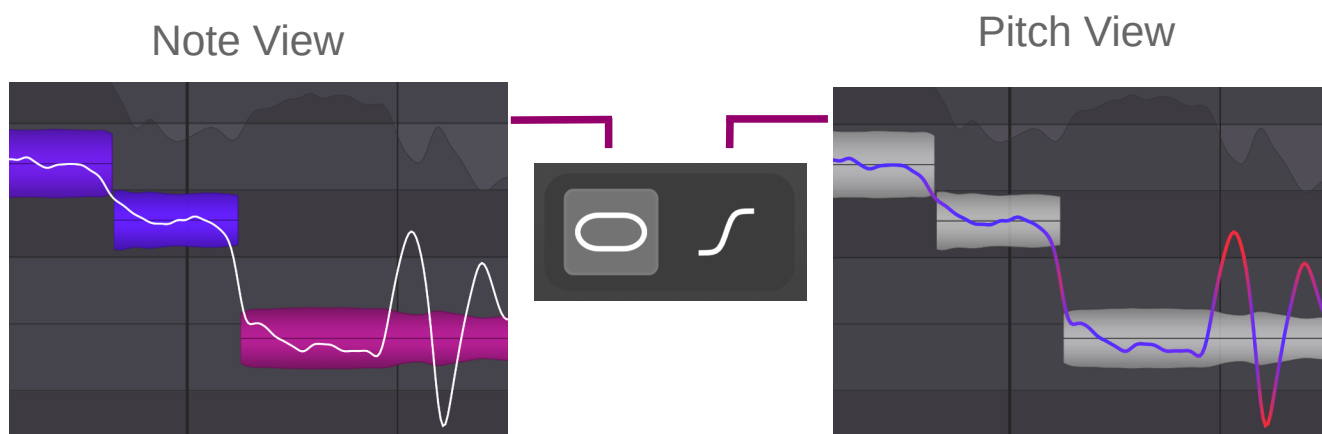
First of all: The best way to learn how Vovious works is just playing around with it. **You can't break anything!**

Note: Vovious works best on clean vocal recordings with no echo or other effects before Vovious.

THE MODES



THE VIEWS



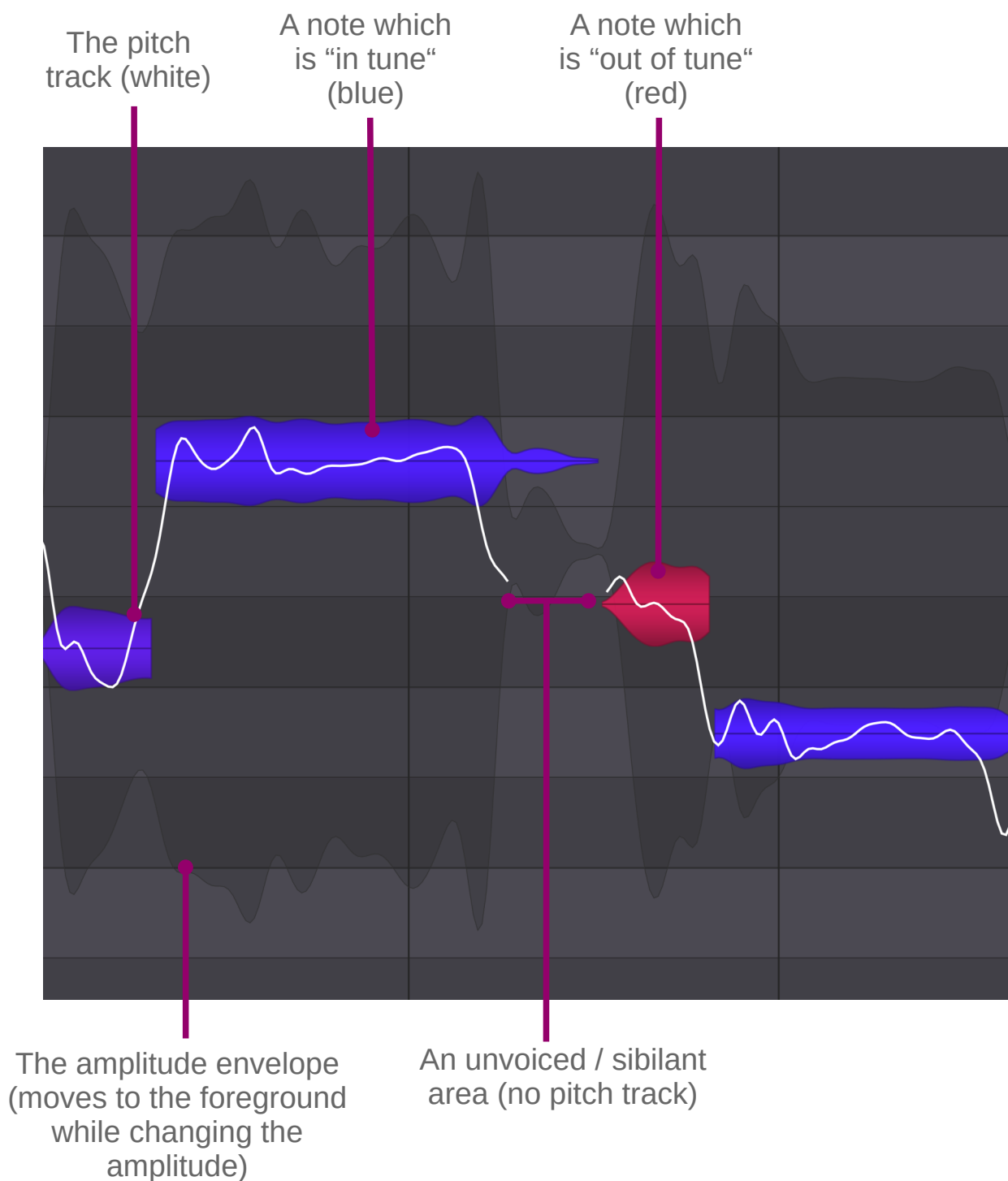
Note View: This is the standard view, where the colors of the notes show you the deviation from the correct pitch.

Pitch View: This view focuses on the Pitch Track. With a longer mouse click or right mouse click on the button, you can select whether the color of the pitch track is shown relative to the center of the note or to the center of the pitch.

THE NOTES / PITCH TRACK

Vovious shows you the pitch track and the notes calculated from it. The colors of the notes show how likely they match the “correct” pitch.

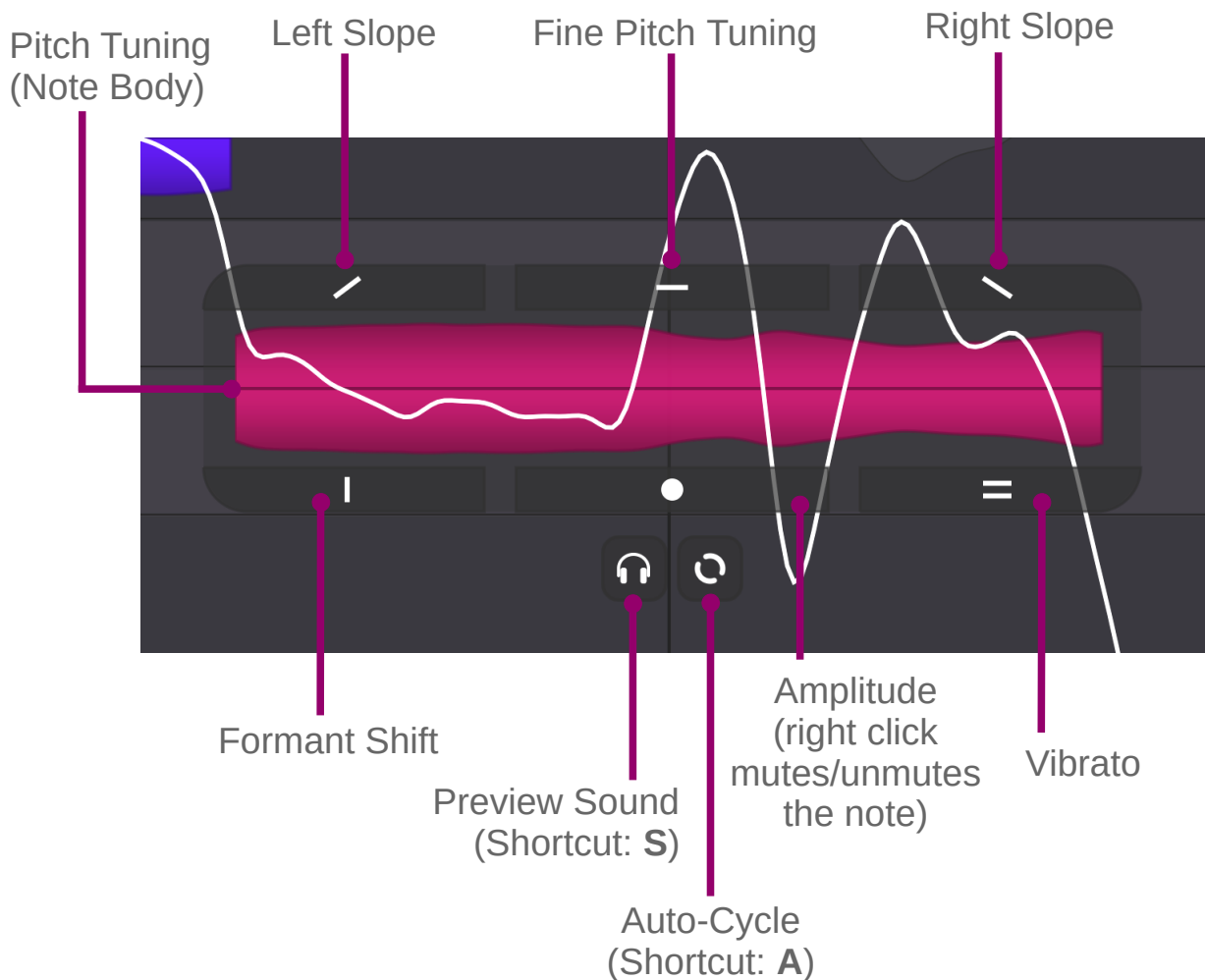
When no pitch track is displayed, it is an unvoiced area (sibilants) or silence. If you zoom out very far, the pitch track is faded out visually so you can still see the notes.



PITCH SHIFTING / AMPLITUDE MODE



The Controls



The controls (except the Preview Sound and Auto-Cycle) are working by drag 'n' drop up and down.

Note: More information about the Preview Sound and Auto-Cycle and how to configure them can be found in the **Preview Sound/Auto-Cycle** chapter.

Tip: With a double click in the middle of a Note, the selected notes snap to the “correct” pitch position.

Sibilants Editing (Amplitude Control)

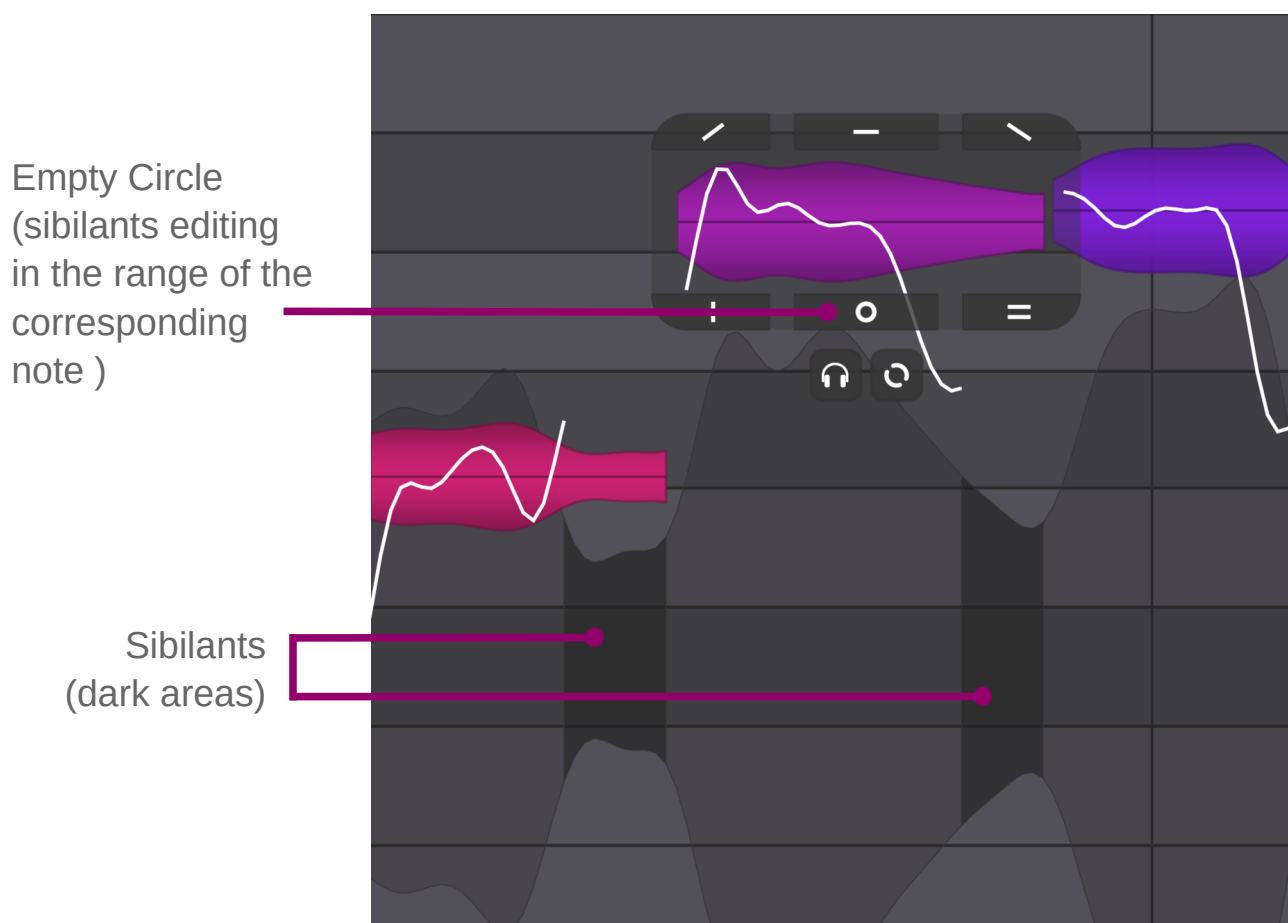
Sibilant editing can be achieved in two ways via the amplitude control:

- Enable "Sibilants Editing" in the Sidebar
- Hold down the **shift key** while editing the amplitude

The **shift key** reverses the behavior so that you can edit the entire note amplitude, even if "Sibilants Editing" is activated by pressing the **shift key**.

You can see that you are editing the sibilants by the empty circle in the amplitude control.

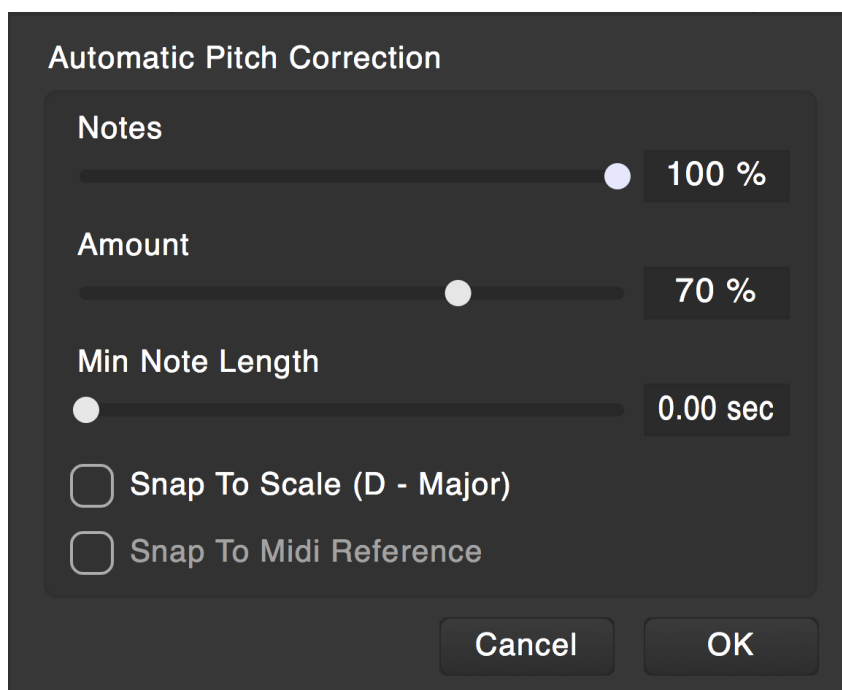
The sibilants are marked as dark areas in the waveform when "Sibilants Editing" is activated.



Auto Pitch Correction



If you have selected notes before opening the Auto Correct function, Vovious will tune these notes according to the parameters described below. If you don't have selected any note, Vovious will tune every note.



The image shows a dark-themed dialog box titled "Automatic Pitch Correction". It contains three sliders and two checkboxes. The "Notes" slider is set to 100%. The "Amount" slider is set to 70%. The "Min Note Length" slider is set to 0.00 sec. Below the sliders are two checkboxes: "Snap To Scale (D - Major)" and "Snap To Midi Reference", both of which are currently unchecked. At the bottom right are "Cancel" and "OK" buttons.

Parameter	Value
Notes	100 %
Amount	70 %
Min Note Length	0.00 sec
Snap To Scale (D - Major)	<input type="checkbox"/>
Snap To Midi Reference	<input type="checkbox"/>

Parameters:

Notes: The number of notes, the algorithm will affect. A smaller value means that only the notes highly out of tune will be corrected.

Amount: The amount of correction. The higher you set this parameter, the more correction will be applied. 100% means that the notes are getting tuned perfectly.

Min Note Length: Only notes that are longer than this value are taken into account.

Snap To Scale: The notes are getting shifted to the nearest pitch which is part of the scale, selected in the Sidebar. If you haven't selected a scale, this button is grayed out.

Snap To Midi Reference: If you have a Midi reference loaded, Vovious will tune the notes along the Midi reference.

Relevant Sidebar options for Pitch Mode:



Pitch

☒ Chromatic ☐ Scale

Reference (A4) 440 <

D Major

Show Detected Scales

☐ Show Scale Colors

☐ Snap To Semitones

Double Click Snap Pitch Center

In scale mode, the bright areas show the notes that belong to the scale

The frequency of the reference note (A4)

The currently selected scale

Show Detected Scales

Show Scale Colors

Snap To Semitones

Double Click Snap

Pitch Center

Snap To Pitch Center while dragging the Notes at the Body (**Shift key** reverses the behavior)

You can let the colors of the notes indicate whether they belong to the selected scale. (disabled in Chromatic mode)

The Scale Detection Menu shows the probability that a major/minor scale fits your audio material. When you move the mouse over the menu, you always see the corresponding notes in the note bar. The light notes belong to the scale, the gray ones don't.

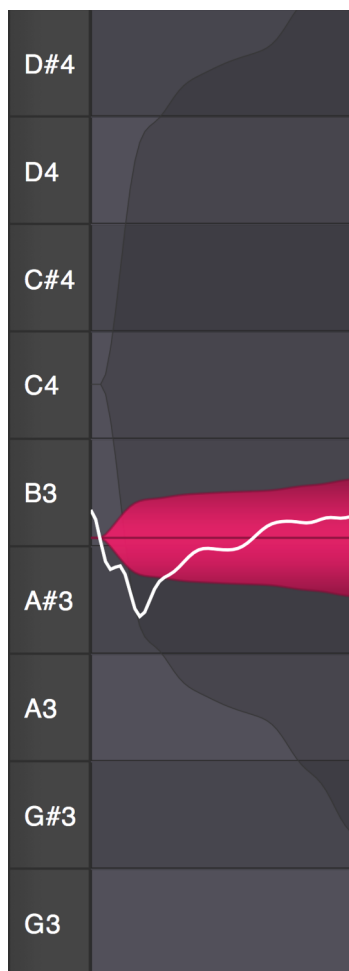
Show Detected Scales	
D# - Major	87.7 %
E - Minor	82.8 %
A - Minor	80.1 %
C - Major	74.5 %
C - Minor	71.6 %
A# - Major	67.9 %
G# - Major	67.8 %
G - Major	64.7 %
F - Major	61.4 %
G - Minor	57.4 %
C# - Minor	56.1 %
F - Minor	52.0 %
G# - Minor	44.0 %
D - Minor	43.2 %
D - Major	36.1 %
F# - Minor	34.0 %
B - Major	34.0 %
B - Minor	33.2 %
E - Major	32.4 %
C# - Major	28.3 %
A - Major	25.0 %
A# - Minor	24.3 %
D# - Minor	21.3 %

Note: The selected scale can also be used in the Automatic Pitch Correction.

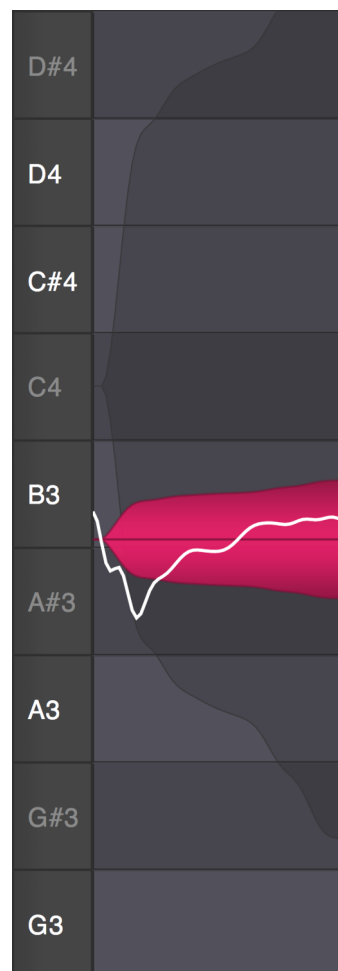


NOTE BAR

If you have selected a scale in the Sidebar, the tones that belong to this scale will be displayed brighter and the tones that do **not** belong to this scale will be displayed darker.



NoteBar **without** scale



NoteBar **with** scale
(D - Major)



Note: The scale also affects the background color of the main area. When no scale is selected, the background colors are like piano keys.

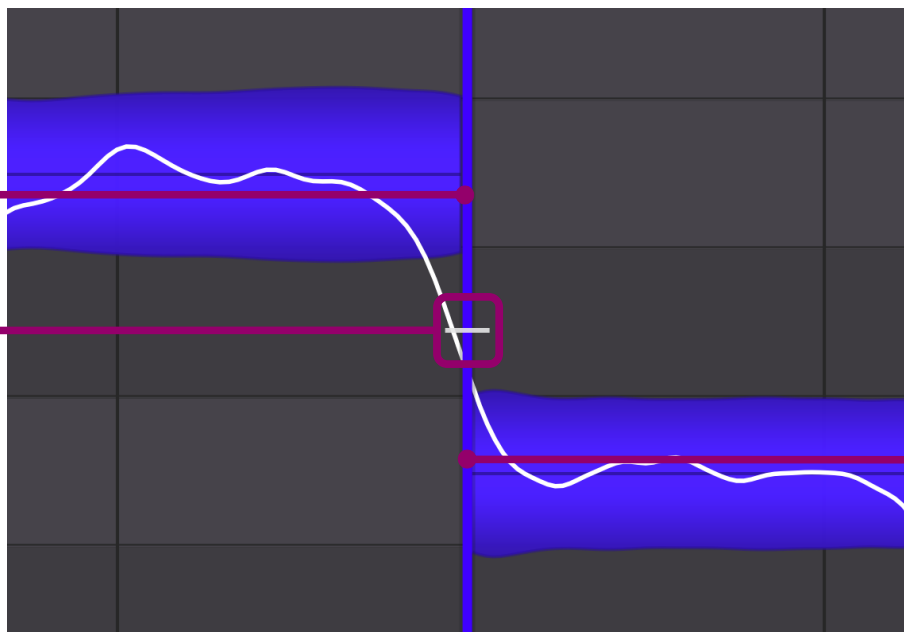
TIMESTRETCHING MODE



You can stretch the note segments by dragging the vertical lines. The line colors show the deviation from the beats. The time stretching always depends on how many notes you have selected.

Vovious has two different time stretching behaviors, which depend on whether you drag the lines above or below the small white horizontal line:

-  **Above:** Only the note(s) to the left of the vertical line are getting time stretched and the right note(s) are only moved in time
-  **Below:** The notes to the left and to the right are getting time stretched.



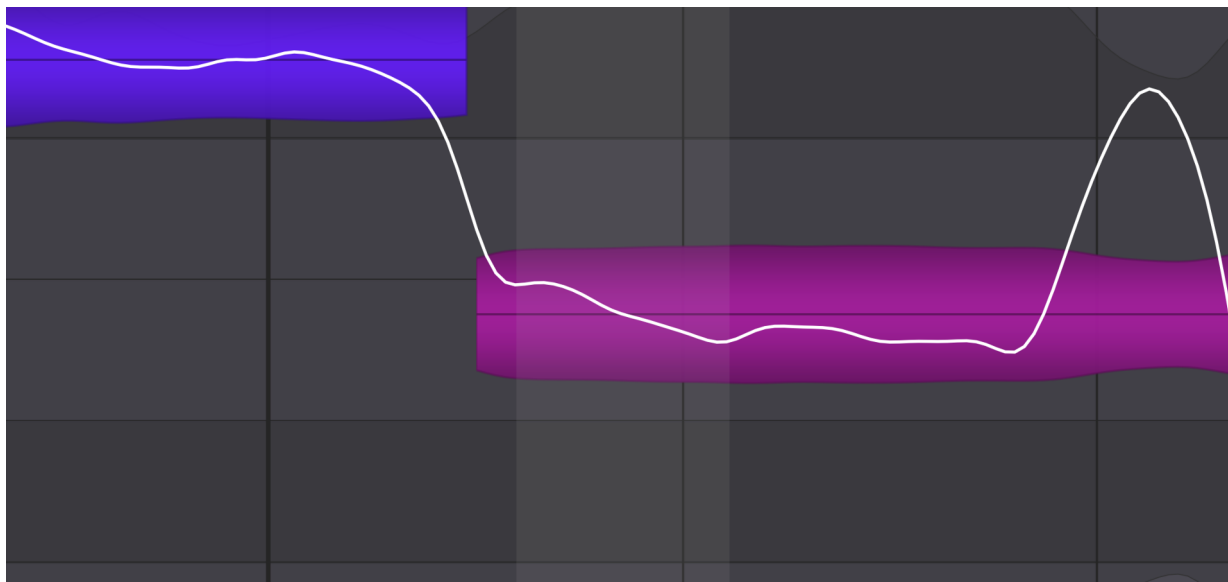
Tip: Double-clicking on a vertical line aligns it directly with the beat.

Note: There are two algorithmic limitations when changing the timing. You can expand the signal by a maximum of 4 times and reduce it by a maximum of one eighth. When exceeding this limit, Vovious may not allow further timing changes.

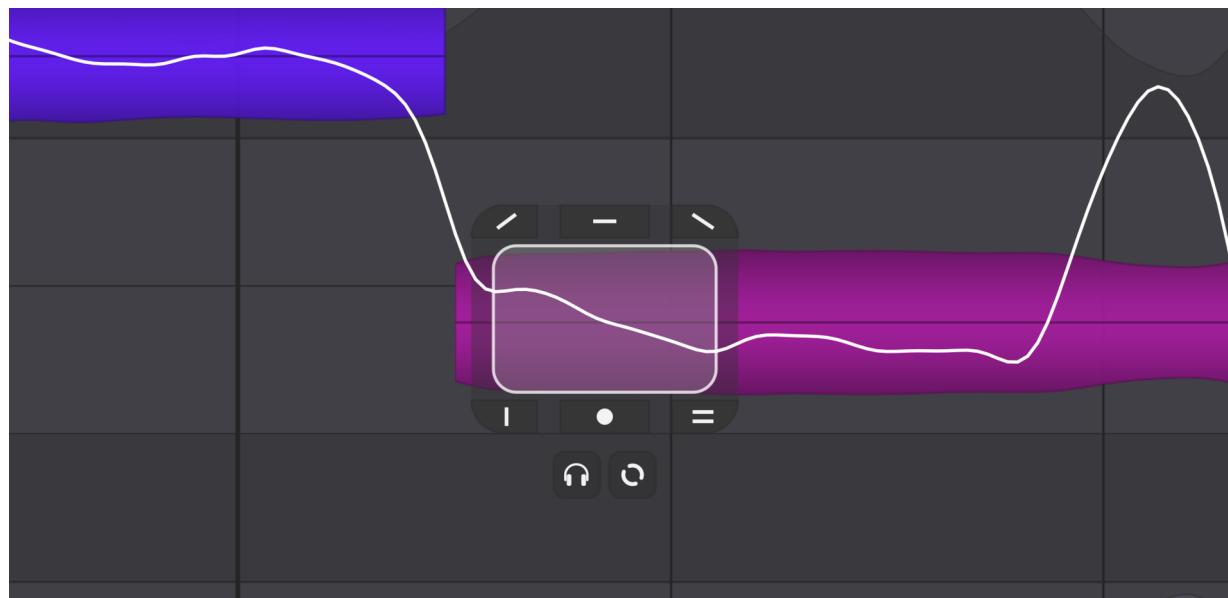
TEMPORARY NOTE MODE



The main purpose of the temporary note is to fine-tune parts of a note. It always affects a certain range in time. You can select this range by dragging the mouse cursor horizontally:



After selecting the range, there are the same controls available as in the Pitch / Amplitude Mode:



Note: By dragging again outside the note boundaries, you select another temporary note. The previous one gets discarded.

PITCH DRAWING MODE



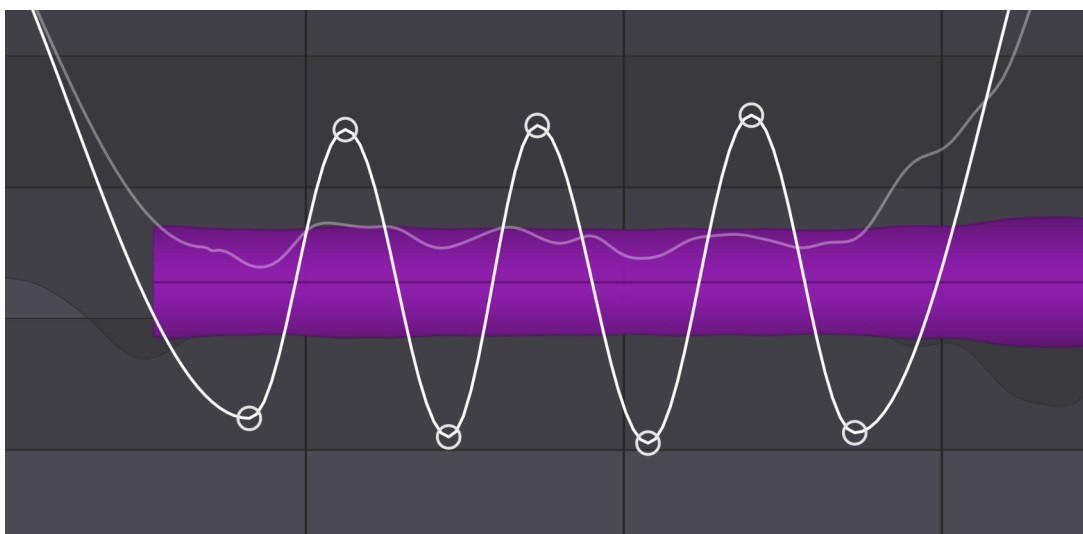
The Pitch Drawing Mode allows you to freely draw the pitch track. The resulting line has the shape of a sine wave, which is the natural way a human sings.

If you click somewhere on the screen, you add a so-called anchor point. You can move the existing anchor points by dragging them on the screen. The thin line in the background shows you the initial pitch before you started editing.

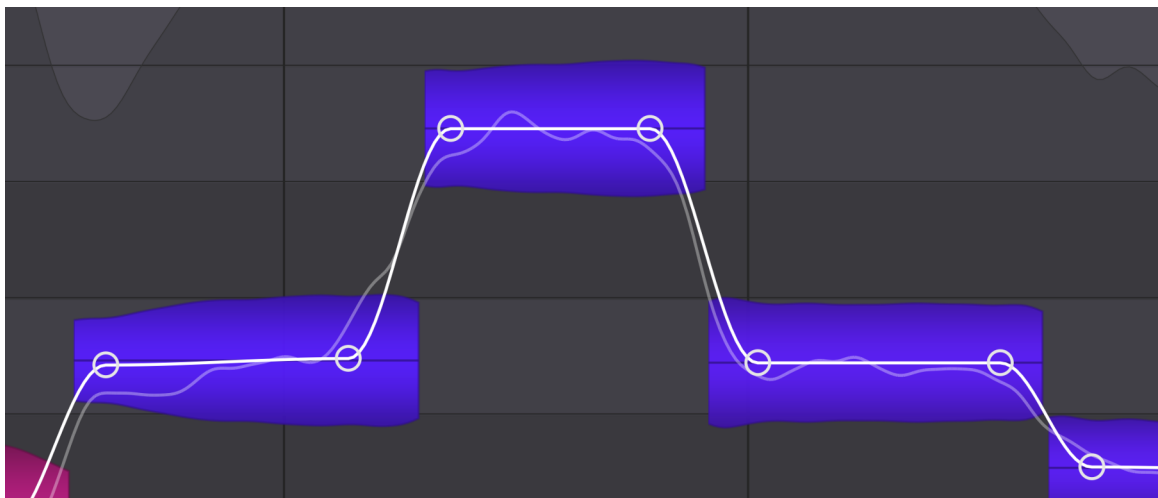
Note: To make these changes permanent, you have to apply them. Before clicking on the “apply” button, you can undo/redo every step. After clicking on the “apply” button, the whole drawing becomes one step in the undo/redo history, and the anchor points are gone.



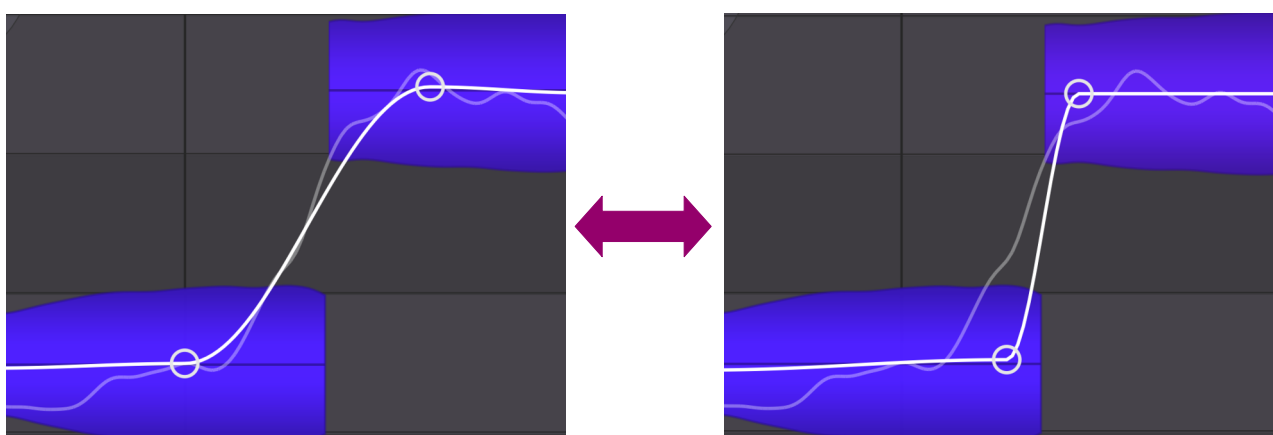
Tip 1: You can freely draw a very natural vibrato



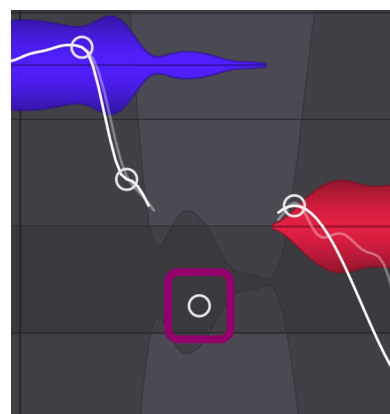
Tip 2: You can use this function to smooth the notes



Tip 3: You also have the possibility to freely draw the transition between two notes



Note: You can set the anchor point to an unvoiced region (no pitch line). This is neither a mistake nor a wrong operation, because it improves the usability if dragging within/through a sibilant region is allowed. Besides this, these anchor points can still model the pitch line to the right and left of the sibilant region.



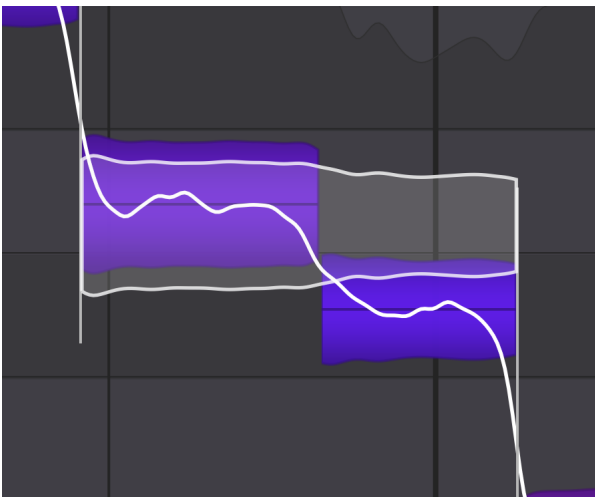
NOTE ASSIGNMENT MODE



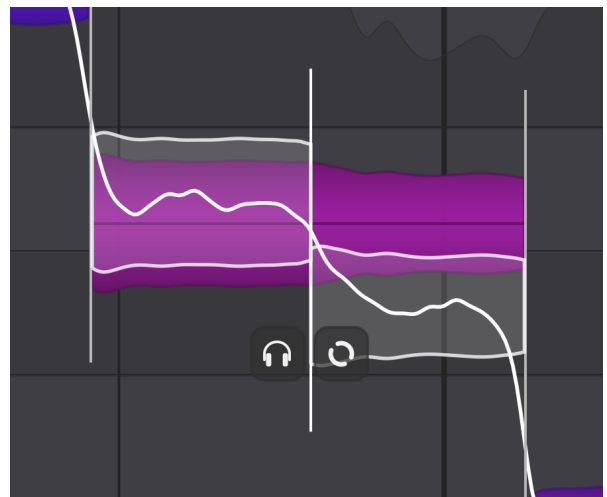
The Note Assignment Mode lets you adjust the detected notes. The transparent note shows you a preview of the result before you do the real change.

Note: These changes are only visual and do not affect the sound.

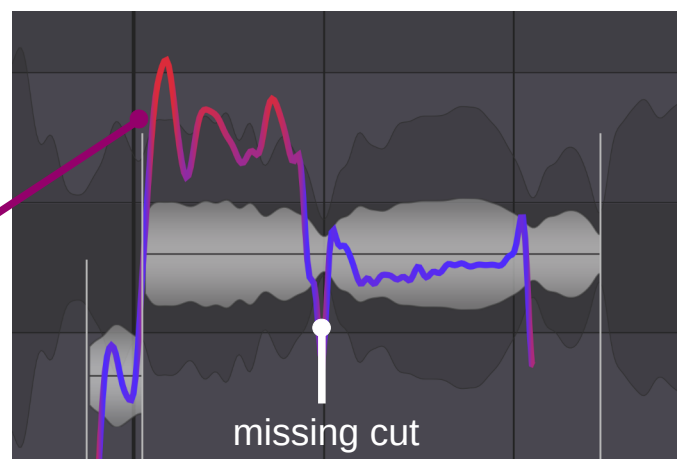
By clicking onto the vertical line between two notes, the notes get merged:



If you click in the middle of a note or close to the Pitch Track, you split the note at this position:



Tip: To find missing note separations, we recommend scrolling through the song with the **Pitch View** to see if the pitch track is in the middle of the note. If you see something like **this**, it is likely that a note separation is missing. (a horizontal red line out of the note's body)



Tip: The Preview Control can be useful to determine whether a note split should be made or not.



Note: You can enter this mode temporarily by holding the **N** key.

HARMONY MODE



The Harmony Mode lets you add additional voices (like a choir) to your vocal track.

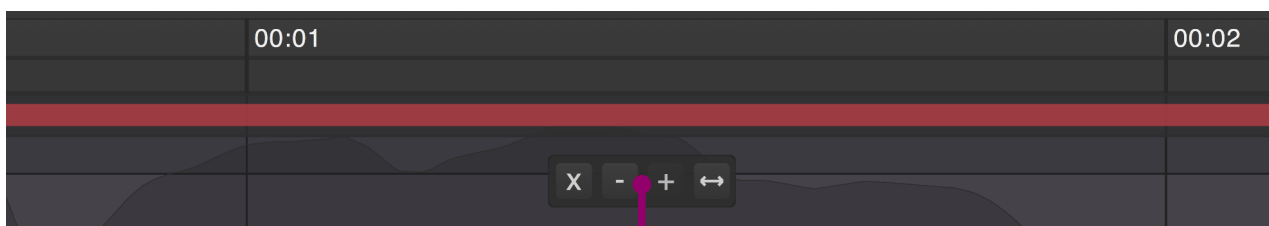
Delete Voice

Mute/Solo

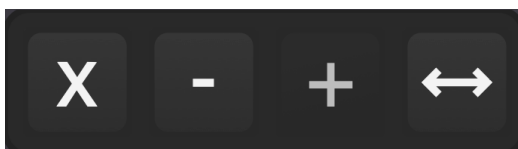


Add Voice

The harmony timeline at the top of the screen represents the segments where the additional voices are sounding.



The Harmony Timeline Controls:



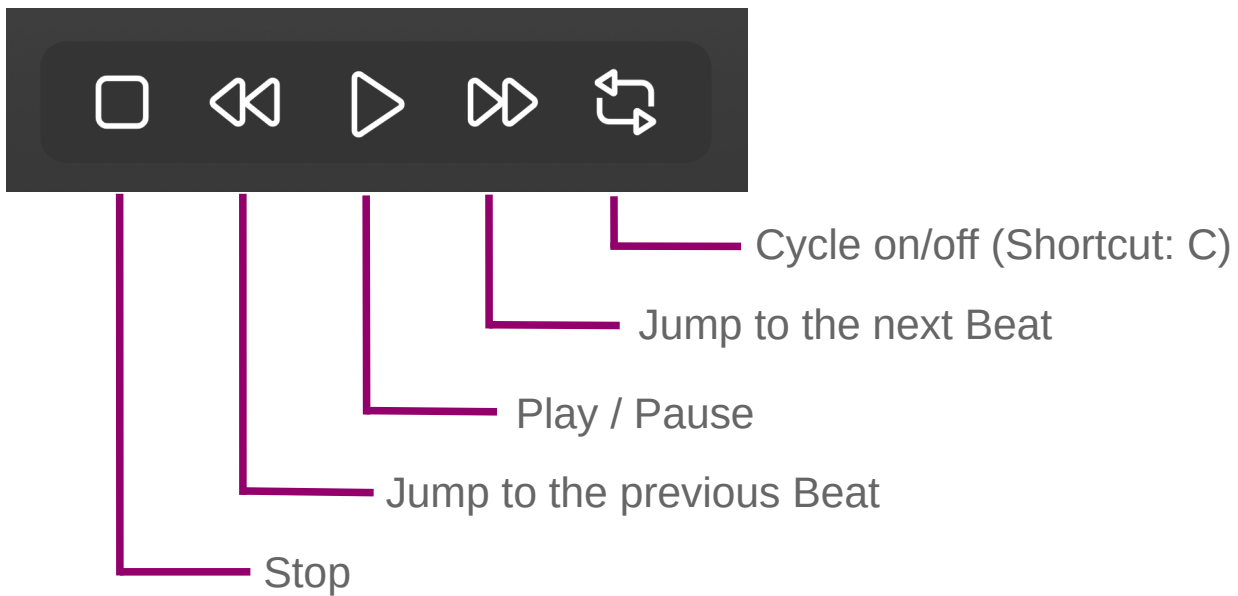
expand the harmony timeline over the whole arrangement

drag 'n' drop at the timeline enables the harmony on the range you are dragging

drag 'n' drop at the timeline disables the harmony on the range you are dragging

clear the full harmony timeline

THE TRANSPORT CONTROLS



TIME BAR / CYCLE AREA

In the top half of the time bar, you can set the playback cursor by clicking.

The Time Bar can have two different views, which can be set in the Sidebar (Settings). When choosing the Beat View, you can set the Beat and BPM in the Sidebar or use the tempo from the host.

In the cycle area (bottom half), you can set the cycle range by dragging from start to the end or vice versa. A double-click on the cycle disables it temporarily. A right-click deletes the cycle.

Time View:

00:00	00:01	00:02

Beat View (cycle enabled):

1.1	1.2	1.3	1.4	2.1

Note: With a click in an empty area with the right mouse button, you can set the cursor (playhead) at the clicked position.

THE UNDO / REDO MENU



The Undo/Redo menu gives you the option to jump backwards and forwards through your editing steps. The white line shows you the current state of editing. When clicking under the white line, you do one or multiple "undo" steps; when clicking over the white line, you do one or multiple "redo" steps.

The times show you where the changes were made and help you to identify which changes belong together. For example, when comparing whole bars. If your change spans several beats or bars, the average time is displayed.

2 steps were discarded

5 steps are preserved

current state

The arrangement time in bars/beats (can be switched to minutes/seconds in the Sidebar)

Clears the whole history (can't be undone!)

Undo Redo	
Note Slope	26.1
Note Pitch	26.2
Auto Pitch Correct	26.4
Note Amplitude	25.4
Note Slope	25.2
Note Pitch	25.2
Note Pitch	25.4
Memory Usage: 4.9 kB	
Clear History	

Note: A single click leaves the menu open so you can compare multiple steps. A double-click closes the menu. This menu can also be shown and hidden with the **E** key.

Examples:

Undo Redo	
Note Slope	26.1
Note Pitch	26.2
Auto Pitch Correct	26.4
Note Amplitude	25.4
Note Slope	25.2
Note Pitch	25.2
Note Pitch	25.4
Memory Usage: 4.9 kB	
Clear History	

Undo three steps

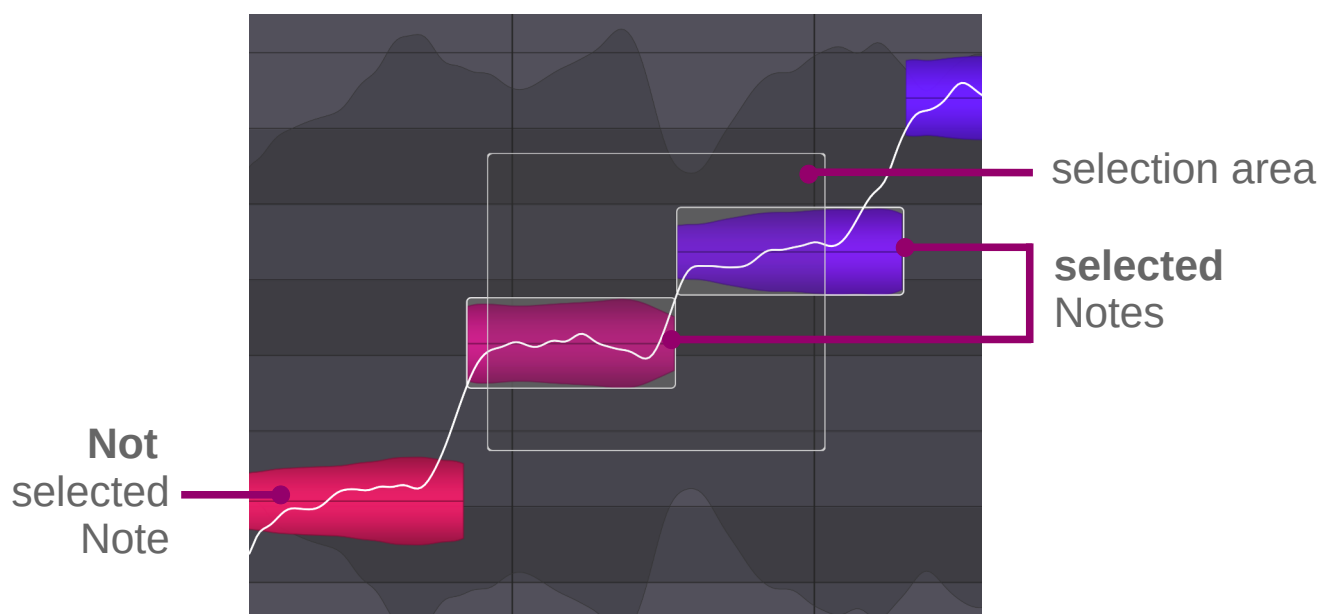
Undo Redo	
Note Slope	26.1
Note Pitch	26.2
Auto Pitch Correct	26.4
Note Amplitude	25.4
Note Slope	25.2
Note Pitch	25.2
Note Pitch	25.4
Memory Usage: 4.9 kB	
Clear History	

Redo one step

Note: When using Vovious as a plugin, there is always **one** undo/redo **history per track**, so you can't accidentally undo or redo changes on another track.

NOTE SELECTION

You can select several notes by clicking and dragging in an area on the screen. The notes inside the area get selected. The white rectangles around the notes show you which notes are selected.

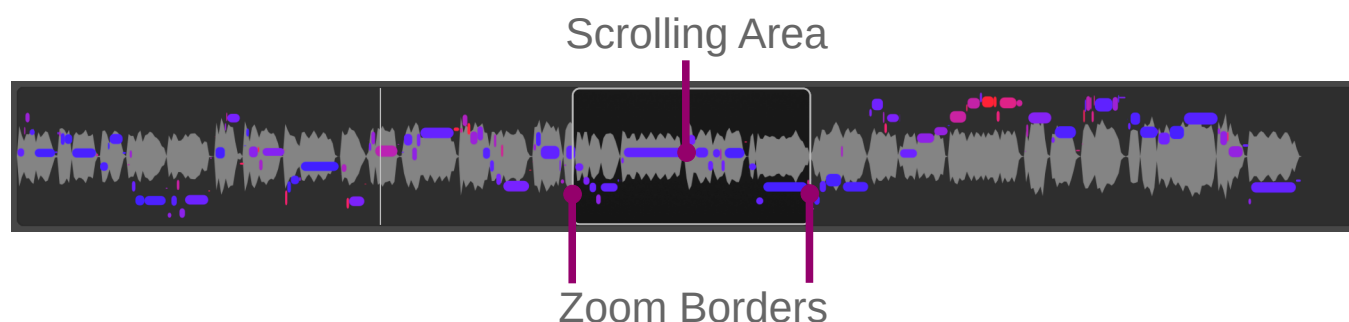


OVERVIEW



The Overview acts like a scrollbar at the bottom of the screen. If you move the visible area by dragging in the middle of the brighter area, you can scroll horizontally.

When you drag the borders, you can adjust the horizontal zoom.



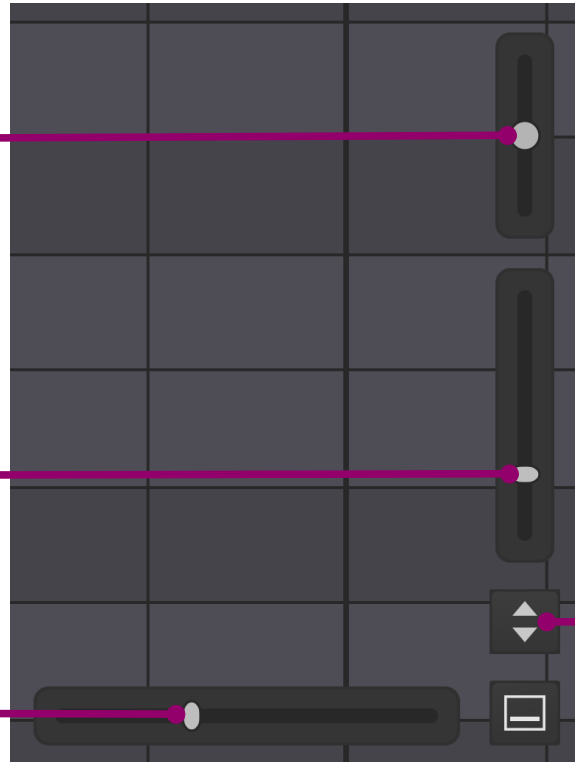
Tip: To scroll horizontally through pages, use the **left/right keys**.

ZOOM CONTROLS

Amplitude Zoom
(the changes are
only visual and do
not affect the
amplitude)

Vertical Zoom
(pitch)

Horizontal Zoom
(time)



Tip: If you move the mouse over the zoom sliders, you can use the mouse wheel to fine-tune the zoom.

VERTICAL AUTO ZOOM



The Vertical Auto Zoom button (**Shortcut: Z**) lets Vovious automatically adjust the vertical zoom so that all notes in the current time range are visible and the available screen space is used optimally.

By holding down the left mouse button or right-clicking on the Vertical Auto Zoom button, you can select from a menu which actions will automatically trigger the Vertical Auto Zoom.




Vertical Auto Zoom on:

- ☒ Overview
- ☒ Switch Tracks Via Key
- ☒ Follow Cursor
- ☒ Left/Right Keys
- ☒ Resize Window
- ☒ Shift + Scroll

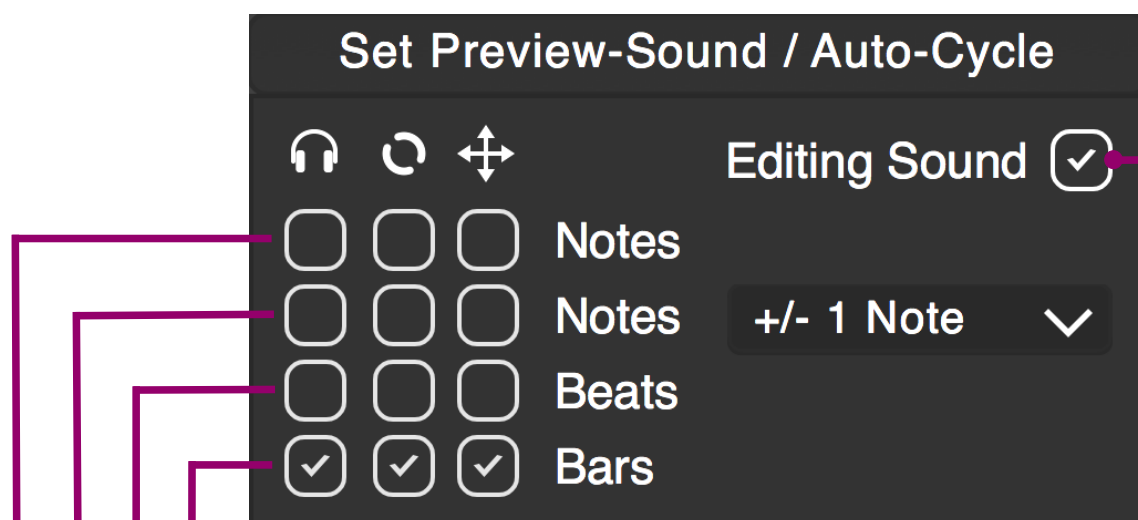
PREVIEW / AUTO-CYCLE

When the playback is stopped, you can use the preview function to hear your vocals without the music. The preview function lets you hear the edited/selected notes in a loop. You can select the range you want to listen to in order to compare your changes in context to the surrounding notes, beats or bars.

Vovious offers you two ways of preview + the Auto-Cycle option:

-  The Preview control (preview the selected range without editing, Shortcut: **S**)
-  Editing Preview Sound (must be activated via “Editing Sound”, Shortcut: **P**)
-  The Auto-Cycle control (sets the cycle to the selected range)

You can choose the range (via the button in the Sidebar):



The bars around the selected/edited notes

The beats around the selected/edited notes

The selected/edited notes +/- X notes or seconds

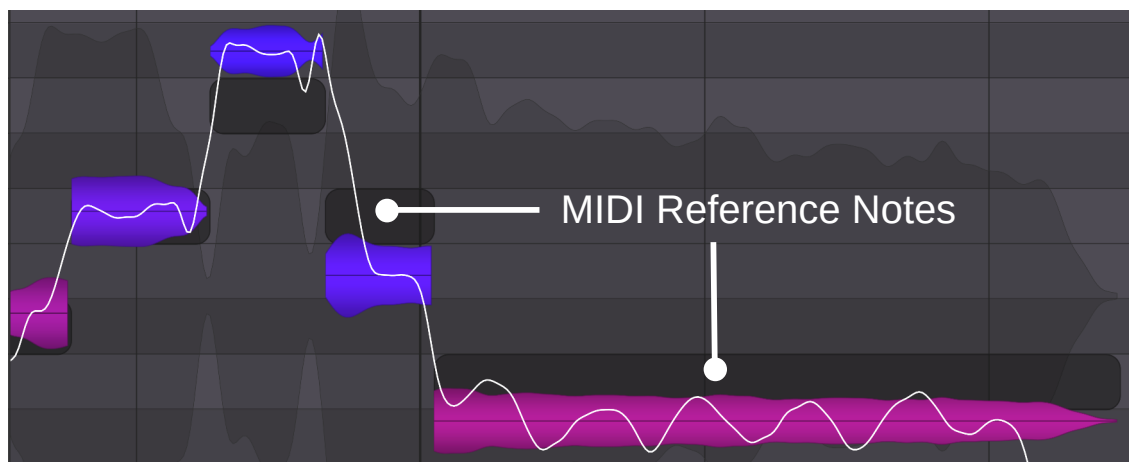
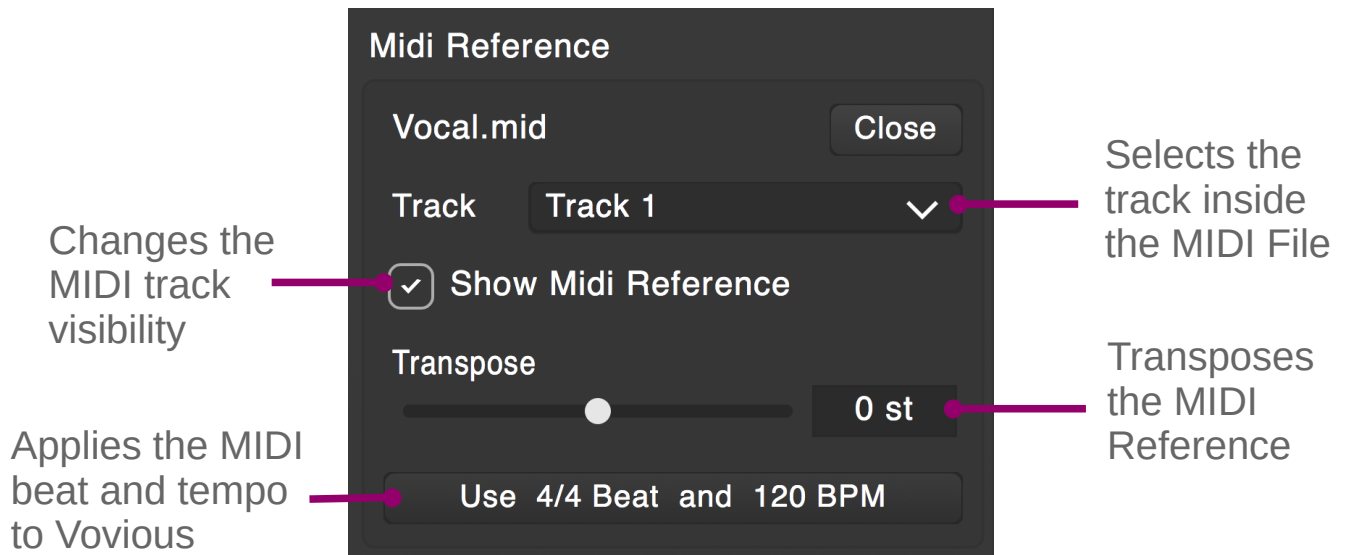
Only the selected/edited notes

Tip: With the mouse over the Preview or Auto-Cycle control you can see the selected range.

Note: Some hosts may not support audio previews when playback is paused because audio plug-ins are bypassed.

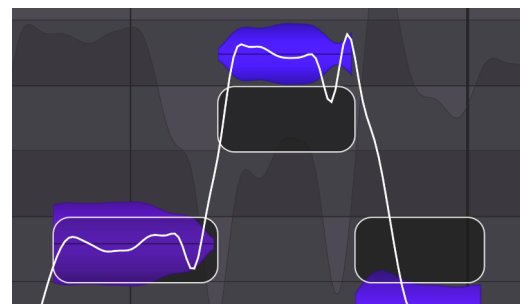
MIDI REFERENCE TRACK

You can use a MIDI Track as a reference for tuning the vocals. Just open a MIDI File in the Side Bar or **drag a MIDI file** onto Vovious. The loaded MIDI data is saved by Vovious in the Vovious project file (standalone) or in the project file of your DAW (plugin).



Better visibility:

By holding the **M key**, you bring the outlined reference track to the front.



Tip: You can change the **Double Click Behavior** in the **SideBar** to let the Notes snap to the nearest MIDI Notes by double-clicking.

THE SIDEBAR (SETTINGS)



You can choose the subbeats, which also impacts the Time Stretching colors and snap

Affects the whole arrangement (if you are using Harmony Voices, it affects the first voice)

The scrolling follows the cursor
(Shortcut: F)

Shows help texts while moving the mouse over the controls

The Time options affect the TimeBar and background only optical, without altering the sound

Let the Cycle snap to the beat (**shift** reverses behavior)

Note Bar View Options (more information in chapter "Pitch Shifting / Amplitude Mode")

The sidebar settings panel is divided into several sections:

- Time:** Includes checkboxes for ☒ Beats and ☐ Time. Below are fields for Beat (4/4), Tempo (120.00), Grid (1/4), and ☒ Snap Cycle.
- Pitch:** Includes checkboxes for ☒ Chromatic and ☐ Scale. Below are fields for Reference (A4) (440), D (D), Major (Major), and a button for Show Detected Scales. There are also checkboxes for ☒ Show Scale Colors and ☐ Snap To Semitones, and a Double Click Snap button with a Pitch Center dropdown.
- Main Voice:** Includes sliders for Pitch (0.0 st), Formants (0.0 st), Volume (100 %), and Pan (0).
- UI Brightness:** Includes a slider set to 0 %.
- Buttons:** A button for Set Preview-Sound / Auto-Cycle.
- Checkboxes:** ☐ Sibilants Editing, ☐ Show Formants, ☒ Follow Cursor, ☐ Show Pitch Lines, and ☒ Show Tooltips.
- Keyboard Shortcuts:** A button to view shortcuts.
- Midi Reference:** Includes an Open button, a Track dropdown, ☐ Show Midi Reference, and a Transpose slider (0 st).
- Background Track:** Includes an Open button and a Pan slider (0).

Sets a MIDI reference track, which can be brought to the front by pressing the **M** key

Sets a background track (shows the background- / foreground slider, Standalone only)

Shows the formants permanently (Pitch / Amplitude Mode)

Alternative view with pitch lines

STANDALONE

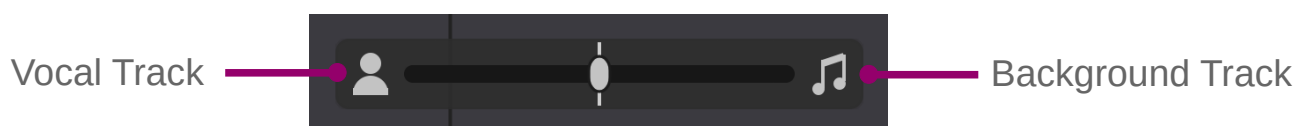
In some situations, it may be better to choose the standalone version over the plugin, as it is much more streamlined and lightweight than a full DAW.

You can use the standalone version as a kind of fallback solution. In some cases, it makes sense to export the vocal track from your DAW, edit it in Vovious, and then import it back into your DAW.

Tip: In the standalone version, you can open audio files by drag 'n' drop into the Vovious window.

Background Track:

To compare your vocal track with the rest of your song, you can import a background track file in the **SideBar** and crossfade between vocals and background music using a slider at the top of the screen.



SAVING

Standalone:

The Vovious data is saved as a VPF file, which contains only the metadata (audio track, parameters, path to the audio file), but no audio material. The audio material remains untouched in the original file, so the VPF files are only playable in combination with the corresponding audio files.

To export the audio to the hard disk, use the export function in the File Menu.

Plugin:

When using Vovious as a plugin, the Vovious data is stored in your DAW's project file.

VOVIOUS AS PLUGIN

Tip: For information and tips on integrating Vovious into your DAW, we recommend our **DAW Integration Guide** at:

<https://vovious.com/dawIntegration>

When running Vovious as VST3 or AudioUnit (AU v2) plugin, there are two different ways:

- **ARA 2 Mode (if supported by your host)**
- **Non ARA Mode**

If your DAW supports ARA, this is the preferred method!

The main differences/advantages between ARA and Non-ARA are:

	ARA	Non ARA
Synchronized Playback	•	•
Beat and tempo synchronized with Vovious	•	•
Preview Sound *	•	•
Show Reference Tracks	•	•
Instant audio transfer (without recording/transfer in realtime)	•	
Vovious follows clip changes (add, move, remove, trim, split, cut, duplicate)	•	
Loop clips and edit every looped region at once	•	
Control the playback and position from within Vovious	•	
Set the Cycle in Vovious	•	
Host Tempo-map and envelope synchronized with Vovious	•	
Audio To Midi inside the the Host *	•	

* may not be supported by every host

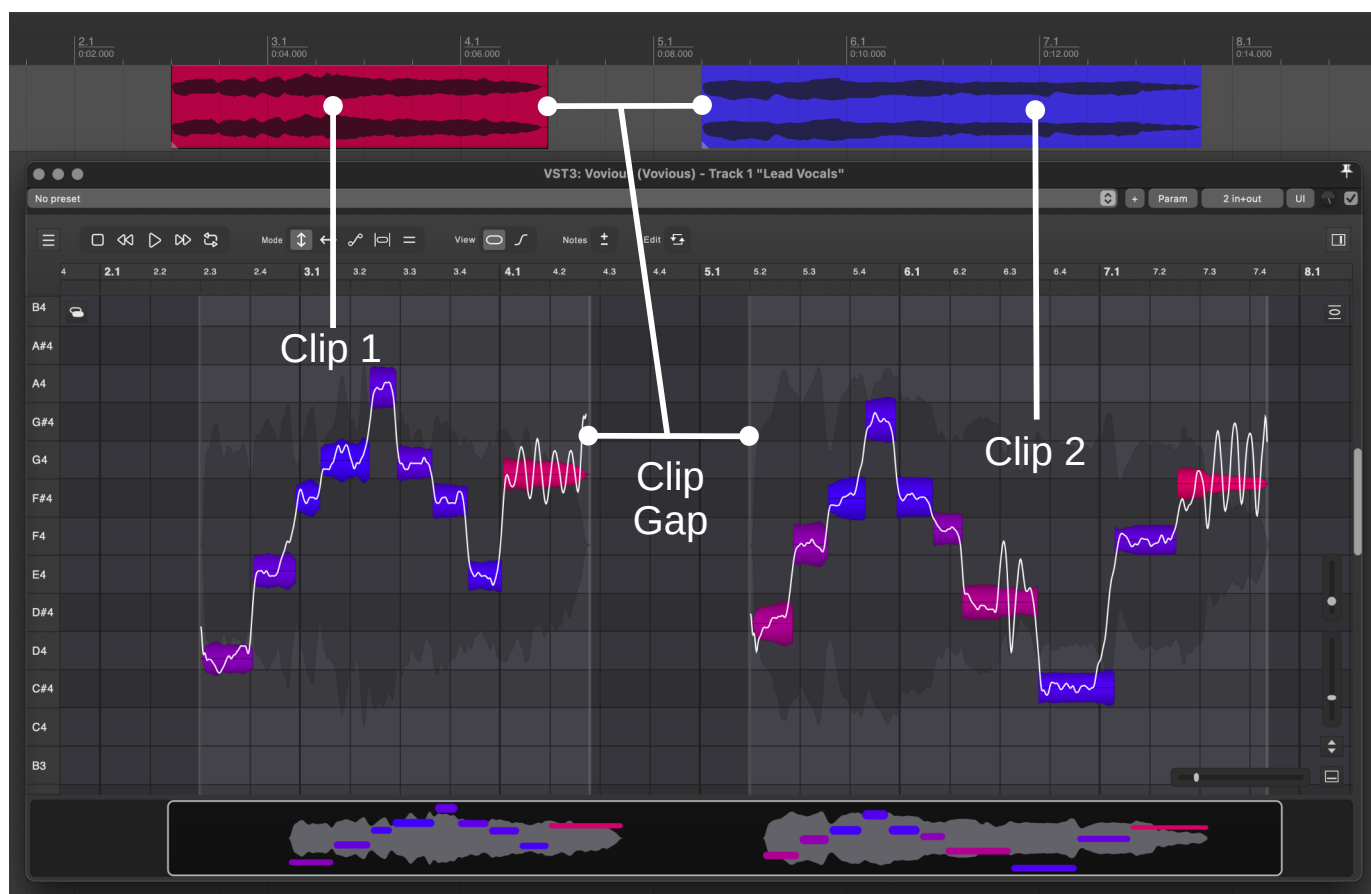
PLUGIN - ARA

If you use Vovious in an ARA-compatible DAW, Vovious feels like fully integrated. Vovious automatically loads and analyses the clips on the track and follows clip changes you do in the DAW.

Transport/playback/cycle changes are synchronized between DAW and Vovious in both directions. If you use Vovious in ARA Mode, you can control the host playback via the controls inside Vovious

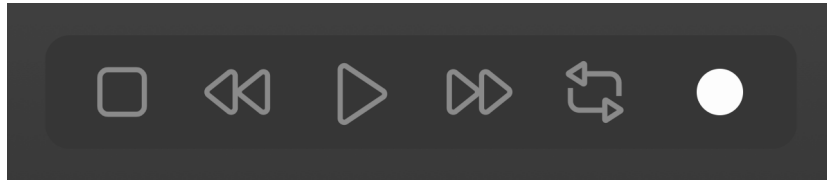
Note: In most DAWs, Vovious has to be the first effect in the plugin chain to use the ARA functionality!

You can see the clip bounds of the DAW in Vovious. The darker areas show the gaps between the clips.



PLUGIN – NON ARA

If you use Vovious without ARA, the playback controls are greyed out and not available. Additionally, you have a button for recording the audio from your host.



To record, you have to press the record button in Vovious and then start the playback in your DAW. After stopping the playback, Vovious analyses your vocals and you can start editing.

To record audio, Vovious must save the recordings as temporary files. These files are saved to:

Your User Directory -> Music -> Vovious -> Transfer

Note: It is highly recommended to put Vovious first in the effects chain. If you record over existing clips, the existing clips will be erased where you recorded your new material.

Note: In addition to the audio material, Vovious also records the timing information (tempo, time signature). If your song contains tempo or time signature changes, you should record the entire vocal track from start to the end so that Vovious can count all the time signature changes in the song.

Delete Notes:

If you accidentally recorded audio material, you can delete the corresponding notes by pressing the “Delete” (Mac: fn + backspace) key or using “Delete notes” in the Menu.

Non-ARA: The Processing Areas

The processing area lets you set the locations where Vovious processes the audio material.

In the bright area, the audio material is processed by Vovious. In the dark area, the sound of your DAW will pass through.

You can change the areas via drag 'n' drop in the TimeBar. A right-click splits the processing area into two. If you move two processing areas together, they become one area.

Area which does **not** get processed (dark)

Area which gets processed (bright)



The dark areas show you the clip boundaries you recorded.

PLUGIN – TRACKSWITCHER

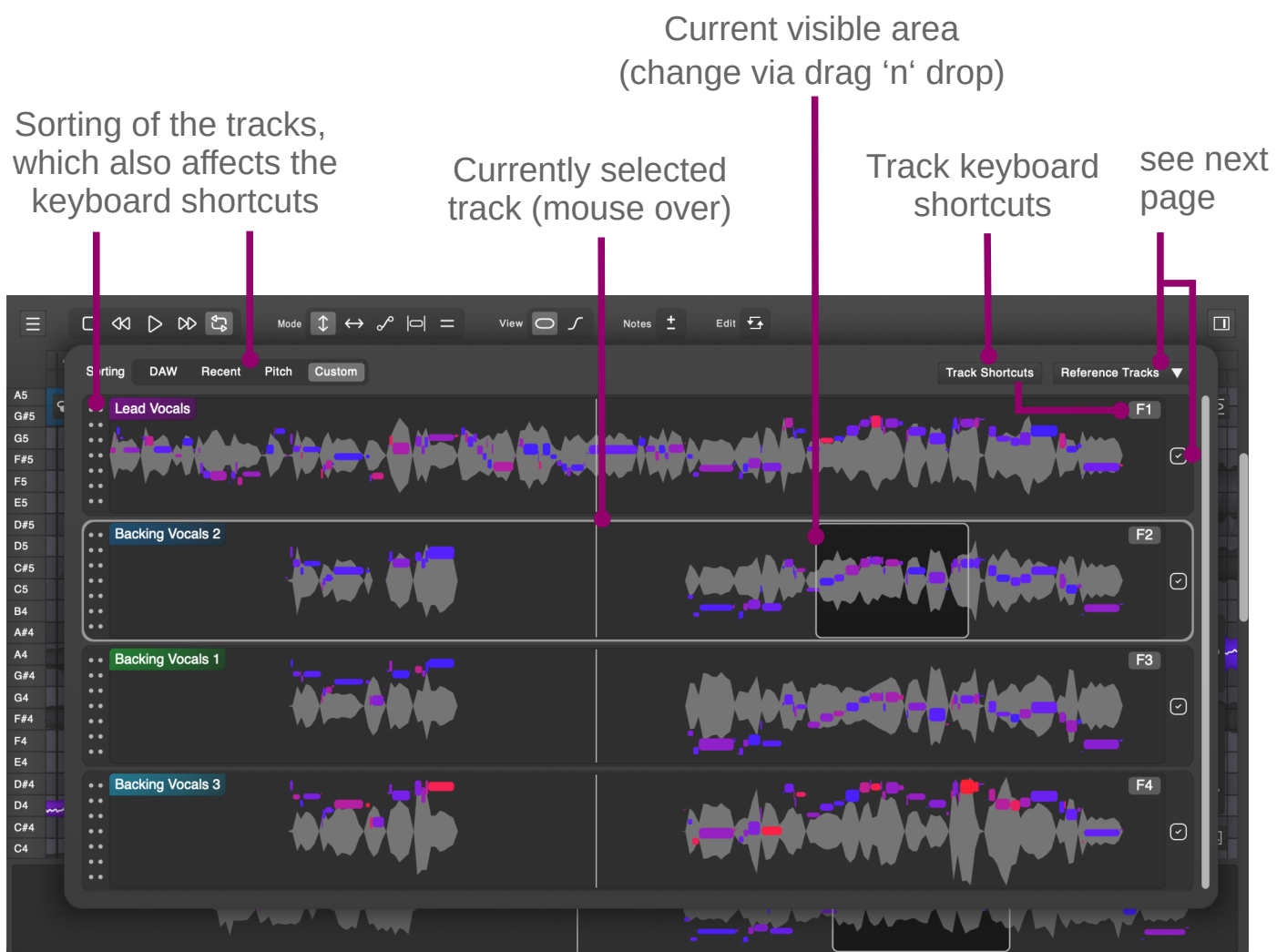
When working with multiple tracks, it can be helpful to work in one window and switch between the tracks via TrackSwitcher.

Note: Although the TrackSwitcher is available via a screen button, the TrackSwitcher is designed to be used via keyboard (**T key**).



The TrackSwitcher lets you switch between the tracks via mouse-over. You can also use the TrackSwitcher to get an overview of all tracks and select the visible section via drag 'n' drop.

Switching between tracks can also be done using keyboard shortcuts, which can be chosen via the "Track Shortcuts" button and are shown at the top right of each track.

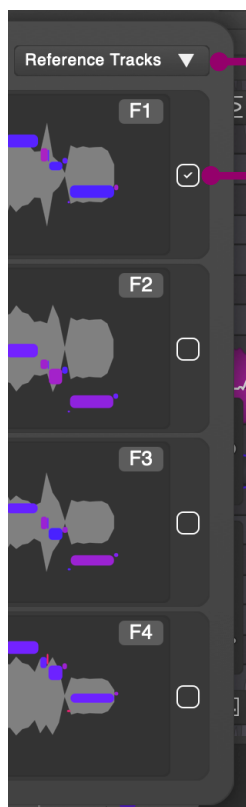


Reference Tracks

If you use Vovious on multiple tracks, you can show the other tracks as references by enabling the tick on the right-hand side in the **TrackSwitcher**. These reference notes are only optical and not editable.

Tip: A double-click on the note of a reference track makes the track editable (brings it to the foreground).

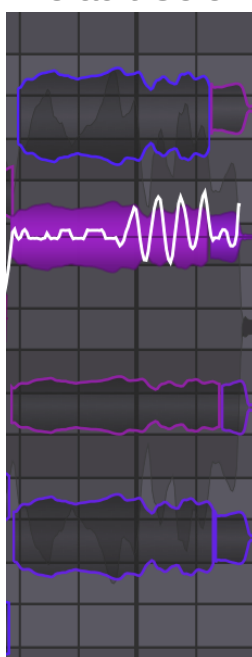
TrackSwitcher



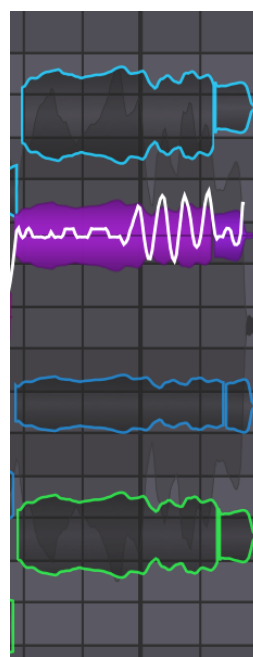
Reference Track Colors:

(changeable via "Reference Tracks" Button)

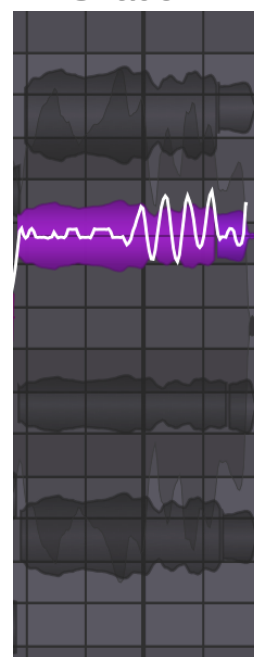
Default Color



DAW Color



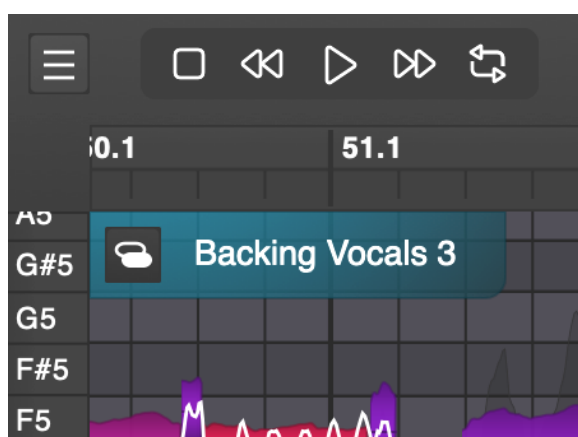
Shadow



Active
Ref.
Track

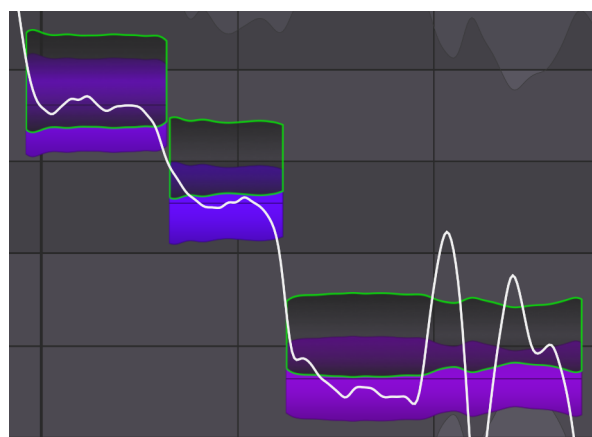
Better orientation:

To see which track is being edited, you can activate "**Show Track Tame**" in the SideBar.



Better visibility:

By holding the **R** key, you see the reference track to the front.



Overlapping Clips

Some hosts allow overlapping clips on the same track.

If you see this button on the bottom of your screen, it means there are overlapping clips in your project:



Vovious only lets you edit the highest-ordered clip, so you have to use the button to change the order of the clips. The change of the clip order is only visual and has no impact on the sound.

Maybe you have to play a little bit around to get the right clip to the front.

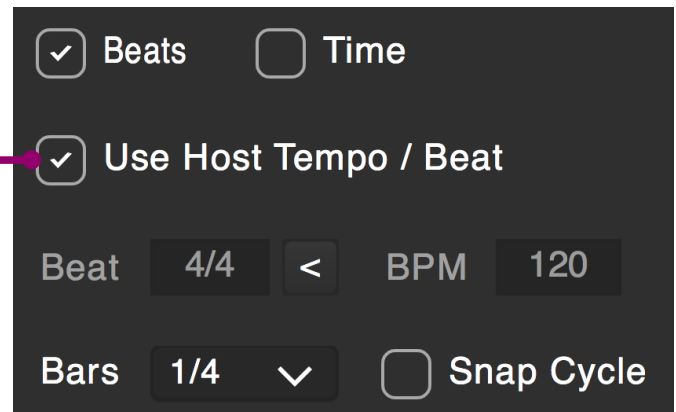


Overlapping clips
switch button

Plugin-specific SideBar Options

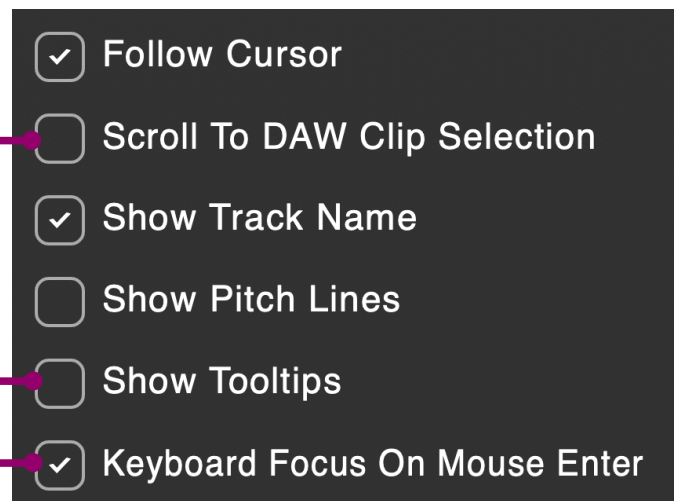
Host Tempo / Beat Sync

When using Vovious as a plugin, you have the option to get the beat and bpm from your DAW or you set the beat and bpm independently from the DAW inside Vovious.



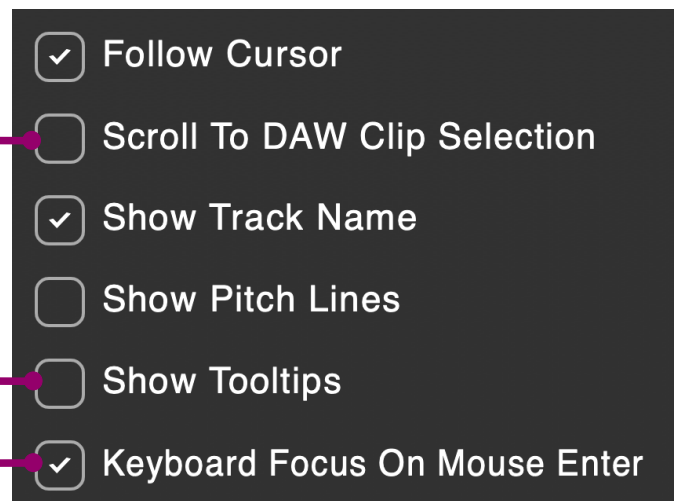
Scroll To DAW Clip Selection (ARA only)

Vovious scrolls to the clip selection of the host



Show Track Name

Vovious shows the track name in the top left corner



Keyboard Focus On Mouse Enter

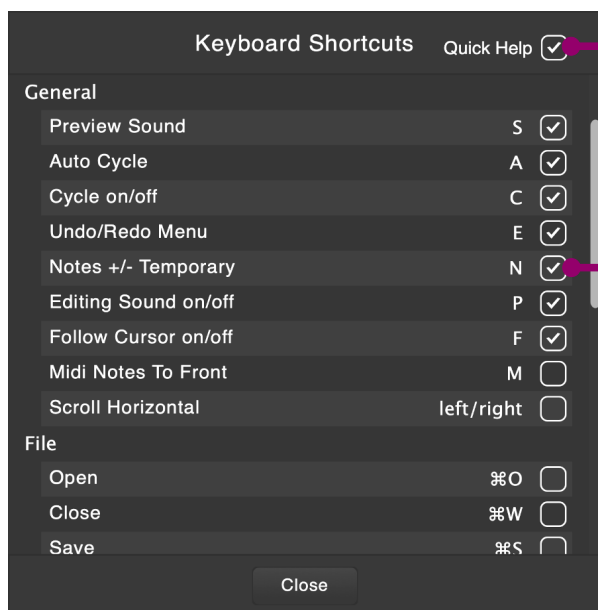
If you use keyboard shortcuts in Vovious, it can be useful to activate "Keyboard Focus On Mouse Enter". Then Vovious catches the keyboard focus as soon as you move the mouse into Vovious. Otherwise, you have to activate the keyboard focus with a mouse click into Vovious.

This can be helpful if your keyboard shortcuts accidentally end up in your DAW because you forgot to set the focus. The disadvantage is that if you accidentally move the mouse through Vovious, the keyboard focus is taken away from your DAW.

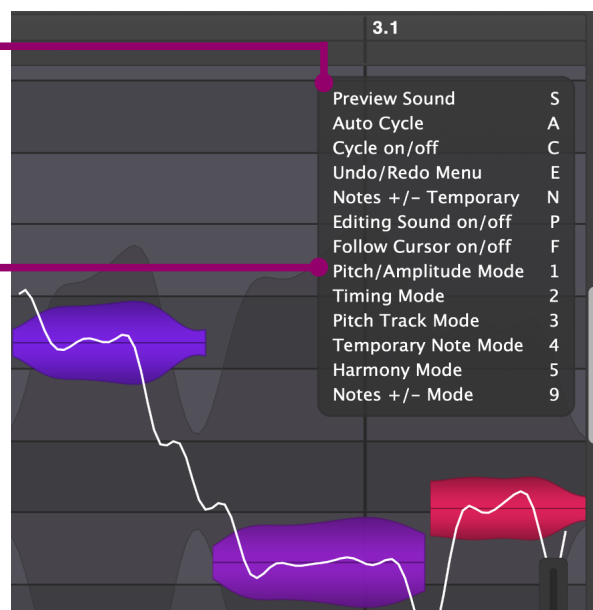
KEYBOARD SHORTCUTS

All shortcuts can be displayed in Vovious via the "Keyboard Shortcuts" button in the Sidebar.

At the beginning, it may be useful for you to activate the "Quick Help", which permanently displays selected shortcuts while using Vovious.



Shortcuts Menu where you can see all shortcuts of Vovious and can select the shortcuts which are displayed as "Quick Help"



Quick Help (always visible while using Vovious)

File Menu (Standalone)

	macOS	Windows
Open File	cmd + O	ctrl + O
Close	cmd + W	ctrl + W
Save	cmd + S	ctrl + S
Save As	cmd + shift + S	ctrl + Shift + S

Edit Menu

	macOS	Windows
Undo	cmd + Z	ctrl + Z
Redo	cmd + Shift + Z / cmd + Y	ctrl + Shift + Z / ctrl + Y
Select All	cmd + A	ctrl + A

Mode

	macOS	Windows
Pitch/Amplitude Mode	1	1
Timing Mode	2	2
Pitch Draw Mode	3	3
Temporary Note Mode	4	4
Harmony Mode	5	5
Notes +/-	9	9

Transport

	macOS	Windows
Play / Pause	Space	Space
Stop	Backspace	Backspace

General

	macOS	Windows
Bring Midi Notes To Front	M	M
Bring Reference To Front	R	R
Show or hide Undo/Redo Menu	E	E
Enable/Disable Cycle	C	C
Auto Pitch Correction	X	X
Enable/Disable Drag Preview	P	P
Enable/Disable Follow Cursor	F	F
Notes +/- Temporary	N	N
Auto Cycle	A	A
Preview Sound	S	S
Scroll Horizontally (In Pages)	Left/Right	Left/Right
Scroll Vertical	Up/Down	Up/Down
Vertical Auto Zoom	Z	Z

User Interface

	macOS	Windows
QuickHelp on/off	Q	Q
Overview on/off	O	O
SideBar on/off	0	0
Horizontal Zoom In	cmd +	ctrl +
Horizontal Zoom Out	cmd -	ctrl -
Vertical Zoom In	option +	alt +
Vertical Zoom Out	option -	alt -