

pure:unmask

Clarity, spot on

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pure:unmask effortlessly tidies up your mix and prevents clashes in the frequency spectrum between two tracks. The plug-in creates room for a prioritized track (e.g. vocals) that should always stay in the limelight by dynamically ducking (lowering the volume of) competing frequencies in a background track (e.g. piano).

High resolution spectral processing ensures that the two tracks are merged together smoothly – without any unwanted pumping effects – leading to a natural and transparent sound.

System requirements

CPU
Intel Core i5
AppleM1
RAM
4GB

Operating systems
Windows 10+ (64 bit)
Mac OS 10.12+

OpenGL Version 3.2+

⚠ You will need admin privileges to successfully install the pure:unmask plug-in.

Mac OSX

To start the installation process, please open the disk image **sonible_pureunmask_osx_x.x.x.dmg**. This will mount the image and open a finder window showing the content of the installation package.

To install pure:unmask on your system, run the installation file **pureunmask.pkg**.

The installer will now guide you through the necessary steps to install pure:unmask on your computer. pure:unmask will automatically be installed in the default locations for audio plug-ins.

Default folders:

Audio Unit
`/Library/Audio/Plug-Ins/Components/`

VST
`/Library/Audio/Plug-Ins/VST/`

VST3
`/Library/Audio/Plug-Ins/VST3/`

AAX
`/Library/Application Support/Avid/Audio/Plug-Ins/`

Windows

To start the installation process, extract the downloaded zip-file **sonible_pureunmask_win_x.x.x.zip** onto your hard disk and run the installer.

The installer will now guide you through the necessary steps to install pure:unmask on your computer. pure:unmask will automatically be installed in the default locations for audio plug-ins.

Default folders:

VST3
`C:\Program Files\Common Files\VST3\`

VST
`C:\Program Files\Common Files\VST\`

AAX
`C:\Program Files\Common Files\Avid\Audio\Plug-Ins`

Licensing system

You can select between two licensing systems: machine-based or iLok (USB dongle).

By creating a user account on www.sonible.com and registering your products – if they are not already visible in your Dashboard, you can manage your plug-in activations.

Machine-based

Each license key allows you to install pure:unmask on two computers with unique system IDs. These system IDs are computed during license activation.

The same license can be used by multiple users, but each user has to individually unlock the full version of pure:unmaskunder their account.

In case a system-ID is changed (e.g. replacement of the hard drive), you can revoke/activate the plug-in next to the respective system-ID in the Dashboard of your sonible user account.

iLok

If you want to transfer one activation to your iLok, just make sure the plug-in is registered in your sonible user account. Click on the button „transfer to iLok“ next to the plug-in in your Dashboard and follow the instructions.

Note: 1st gen iLok dongles and the iLok Cloud are currently not supported.

Unlocking

If you purchased a license for pure:unmask online, you receive your license key via email.

Machine-based unlocking

When opening pure:unmask for the first time, a notification window will be displayed asking you to unlock pure:unmaskwith a valid license key.

Please make sure that your computer is connected to the internet before starting the registration process.
Enter your license key and click „register.“ The plug-in will now communicate with our server to check if the license is valid. If it is – enjoy! :)

iLok

If you transferred your license to an iLok, simply attach the iLok to your computer. The plug-in will then be automatically registered – enjoy!

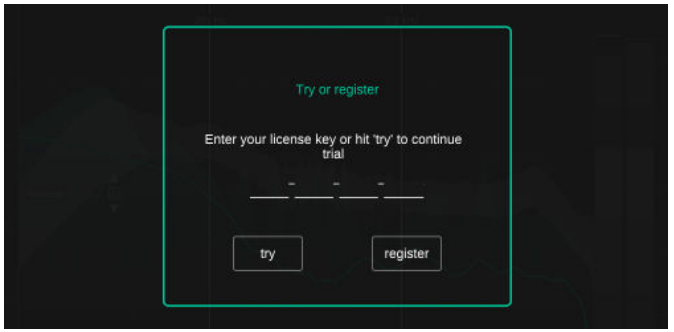
If you don’t receive the email within minutes please check your junk folder first before contacting our support (**support@sonible.com**).

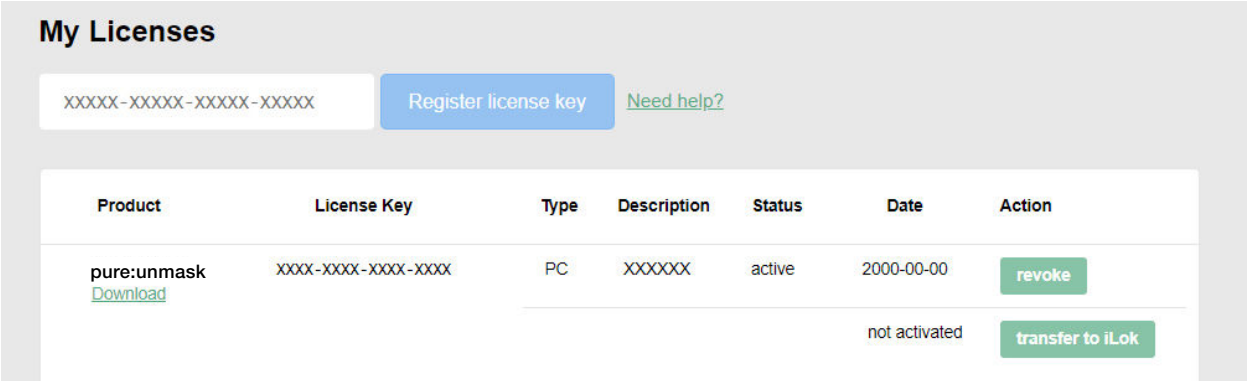
Trial version

To run pure:unmask in demo-mode, simply click ”try” and you will then be able to use true:unmask for a couple of days without any limitations. (Please refer to our website to find out more about the current demo period of pure:unmask)
When the demo period expires, you will need to purchase a full license in order to continue using the plug-in.

Internet connection requirements

sonible plug-ins only needs an internet connection during the trial period and for initial license activation. During the trial period, the plug-in needs to go online every time it is used. Once the license of your plug-in has successfully been activated, an internet connection is no longer needed.





Learning Section

Select a profile for your prioritized track (sidechain signal) and start the learning process. Make sure that you routed the correct signal to the sidechain input of the plug-in prior to learning.

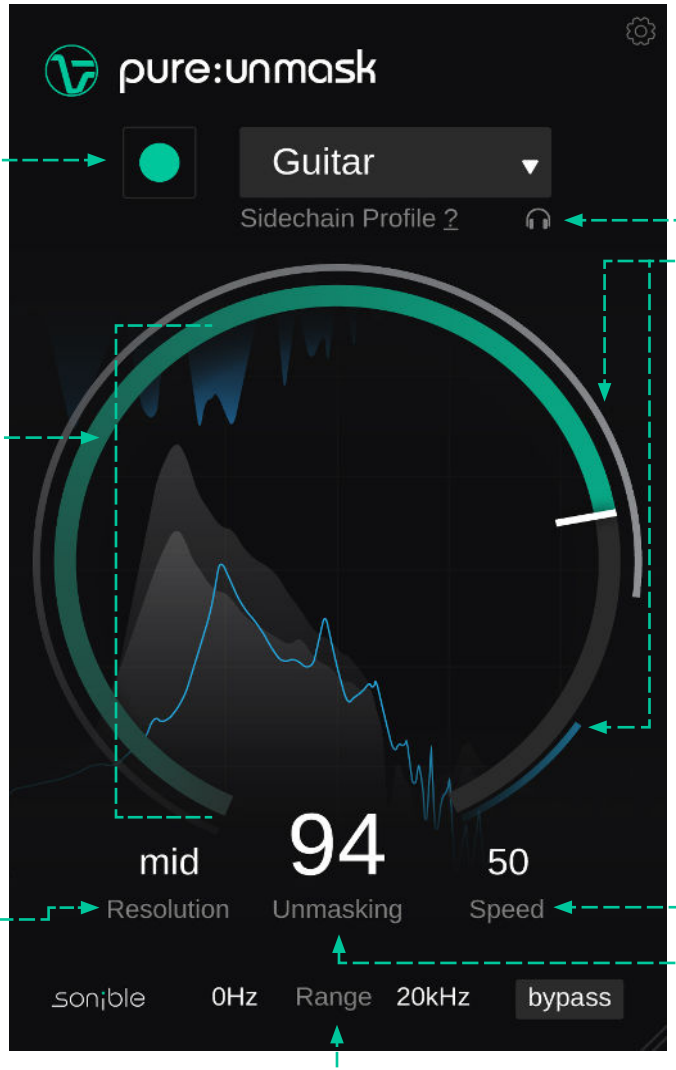
Spectral Display

Monitor all signals and changes in real-time:

- **dark grey area:** input spectrum of background track
- **light grey area:** output spectrum of background track
- **blue area:** spectral ducking applied to background track
- **blue line:** spectrum of the prioritized track (= sidechain signal)

Resolution

Select the frequency resolution of the spectral unmasking process.



Monitor Sidechain

Listen to the routed sidechain input signal.

Meters

Monitor the level of the output signal (grey) and the applied gain reduction (blue).

Speed

Control the response time of the ducking process. Higher values lead to shorter attack and release times.

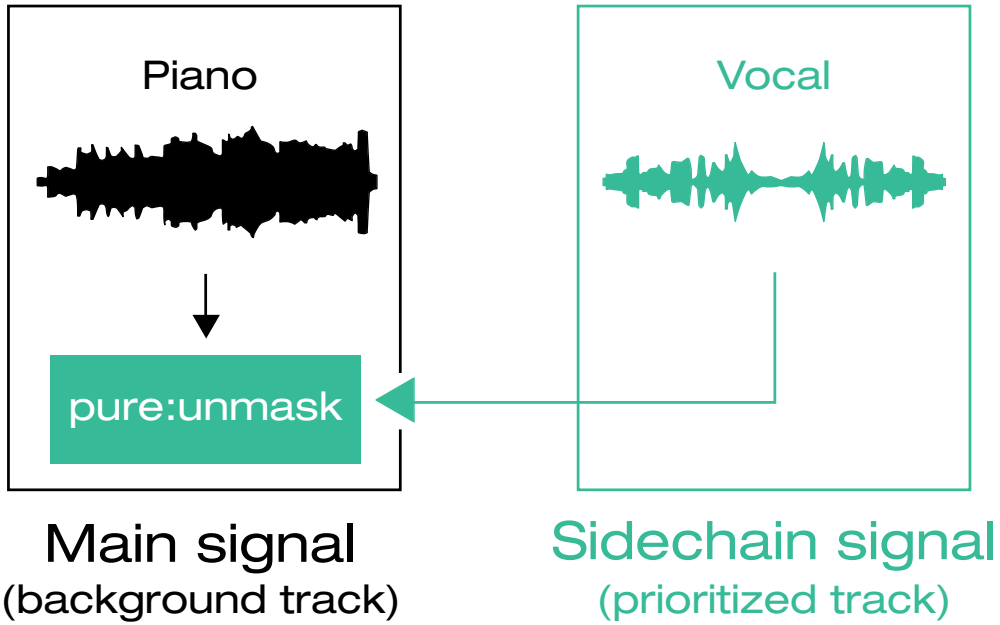
Unmasking

Control the amount of spectral unmasking. The higher the value, the more space is created in the spectrum for the prioritized signal.

Range

Set a lower and upper frequency bound to limit the unmasking effect to a certain frequency range.

pure:unmask creates space for a prioritized track by dynamically ducking frequencies in a background track that cause cluttering. Common scenarios are e.g. a vocal competing with a piano track or a kick drum overlapping with a bass.



1. Load the plug-in

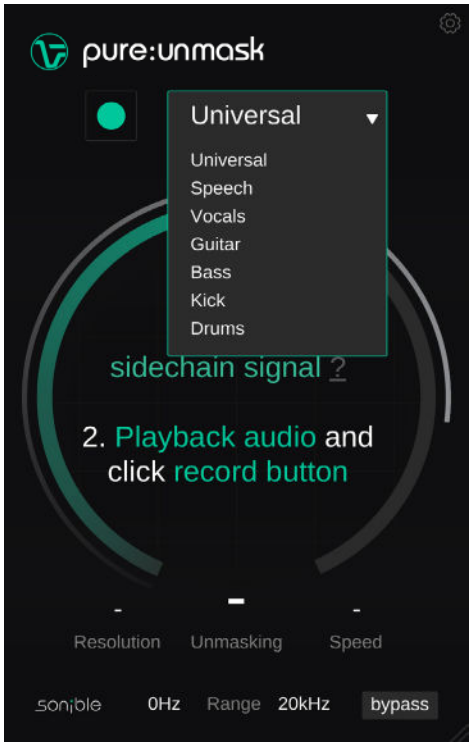
To get started, load pure:unmask onto the channel of your background track. That's the track that will make space for the prioritized track.

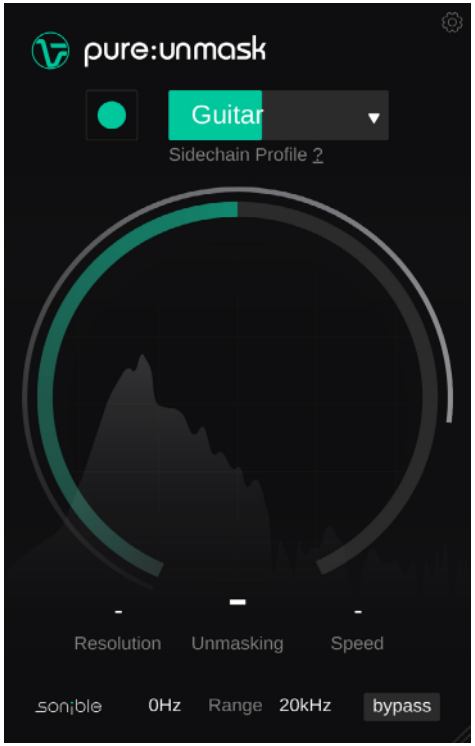
2. Route the sidechain signal

Select the prioritized track (the track that should take center stage) as the sidechain signal for pure:unmask. Once you have routed the sidechain correctly and pressed play in your DAW, you'll see two spectra (grey area = background track, blue line = prioritized track) in the spectral display.

Example

Imagine you aim to elevate a vocal track in your mix by dynamically reducing the volume of competing frequencies of a piano track. In this instance, the vocal serves as your prioritized track (sidechain signal), while the piano acts as your background track (input signal).







1. Select a sidechain profile

Choose a profile that best matches the prioritized track (sidechain signal) routed to your plug-in. The profile calibrates the processing of pure:unmask to a certain sound source. You can always start the learning process with the “Universal” profile and switch to a more specific profile later.

2. Playback and learning

pure:unmask needs an incoming audio signal on its sidechain input for the learning process. Once the playback has started, click the green record button and let pure:unmask listen to your signals. During learning, the plug-in will pinpoint crucial spectral areas where the background track interferes with the prioritized track.

Hint: It is recommended to let pure:unmask learn from a section where both signals – the prioritized and the background track – are simultaneously present.

3. Done!

When the learning process is finished, pure:unmask automatically sets parameters and unlocks all plug-in features.

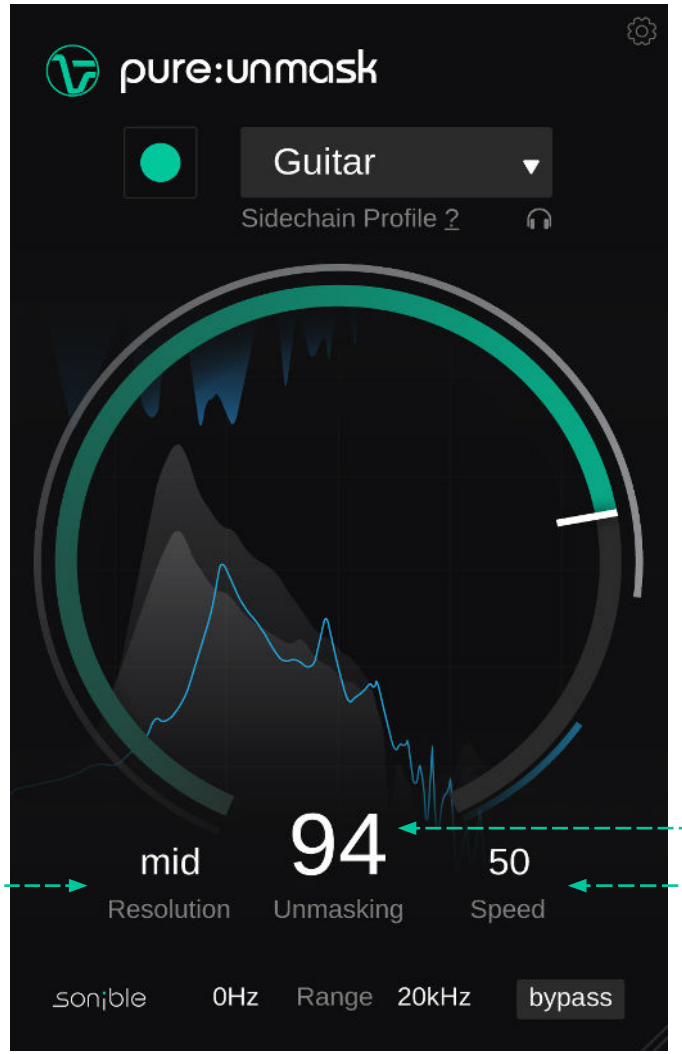
Hint: If you want the plug-in to learn from a different section of your sidechain signal, you can simply start the audio playback from there and click the learn button again.

While the intelligent processing of pure:unmask easily merges your prioritized track with the background track, the plug-in also allows you to fine-tune the results to match your sonic vision.

Resolution

The Resolution parameter controls the frequency resolution of the spectral unmasking. The higher the resolution, the smoother and less audible the unmasking effect will become.

- **low:** In low resolution mode, pure:unmask deliberately works with only a very limited number of bands. This setting is ideal for creating a traditional 'pumping' effect, such as ducking a synth on each hit of a kick drum.
- **mid:** In mid resolution mode, pure:unmask operates in a higher number of bands. This setting creates a smooth embedding of the background signal, but the ducking process will always affect a larger portion of the overall signal.
- **high:** In high resolution mode, pure:unmask uses the maximum of bands for precisely and accurately carving out the signal components that are masking the prioritized track.



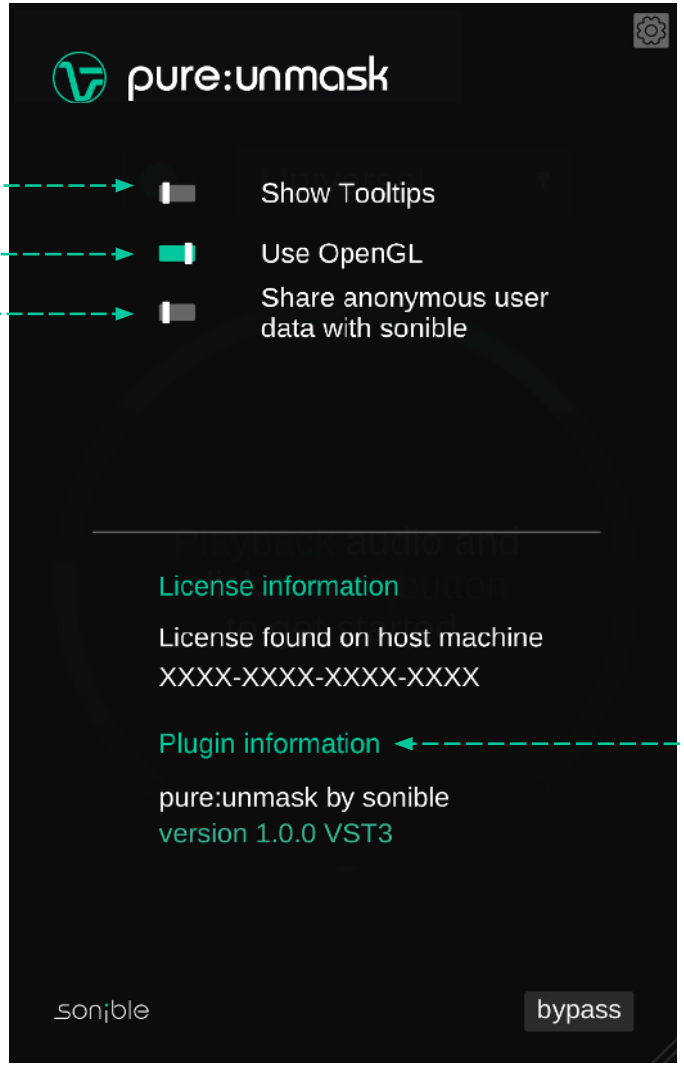
Unmasking

The Unmasking parameter controls the amount of spectral unmasking. The higher the value, the more space is created in the spectrum by ducking the background track. When changing the parameter, you can monitor how the background track fades out behind the prioritized track inside the Spectral Display.

Speed

The Speed parameter manages the response time of the ducking process. The control is similar to the attack and release time of a conventional compressor. Lower speed values increase the overall smoothness of the ducking process, while higher speed settings guarantee that pure:unmask also reduces the level of short transient signals.

To visit the settings page, click the cogwheel in the upper right corner.



Show tooltips
Enable/Disable tooltips on hover.

Use OpenGL
OpenGL might cause rendering issues on certain computer hardware. Use this option to disable OpenGL.

Share anonymous user data with sonible
Enable to share fully anonymous user data with sonible and help us improve our plug-ins.

Plug-in & Licensing Information
Here you can find the name and version of your plug-in as well as the license key (when not licensed via iLok).

Update notice
When a new version of the plug-in is available, you'll receive a notification here and it's also indicated by a little dot on the cogwheel in the main view of pure:unmask. Click on the green text to download the latest version.

www.sonible.com/pureunmask

All specifications are subject to change without notice.

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Engineered & designed by sonible in Austria.

sonible GmbH
Haydngasse 10/1
8010 Graz
Austria
contact@sonible.com

www.sonible.com