Manual

sonible



pure:smooth

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pure:smooth is an intelligent, easy-to-use resonance removal tool that tames harshness and brings balance to your sound. By identifying and reducing overly prominent components in the frequency spectrum, the plug-in helps you achieve a smoother sound with just a few intuitive adjustments.

Select a profile, let pure:smooth learn from your signal and fine-tune the results to match your sonic vision. From gently controlling individual resonances to shaping the overall tonal balance, pure:smooth gives you control over both the precision and character of the processing.

Whether you want to preserve the original sound or explore a more pronounced tonal change, pure:smooth helps you find the right balance between natural detail and smoothness.

System requirements

CPU
Intel Core i5
AppleM1
RAM
4GB

Operating systems
Windows 10+ (64 bit)
MacOS 10.14+

OpenGL Version 3.2+

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

MacOSX

To start the installation process, please open the disk image **sonible_puresmooth_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:smooth on your system, run the installation file **puresmooth.pkg**.

The installer will now guide you through the necessary steps to install pure:smooth on your computer. pure:smooth 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_puresmooth_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:smooth on your computer. pure:smooth 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

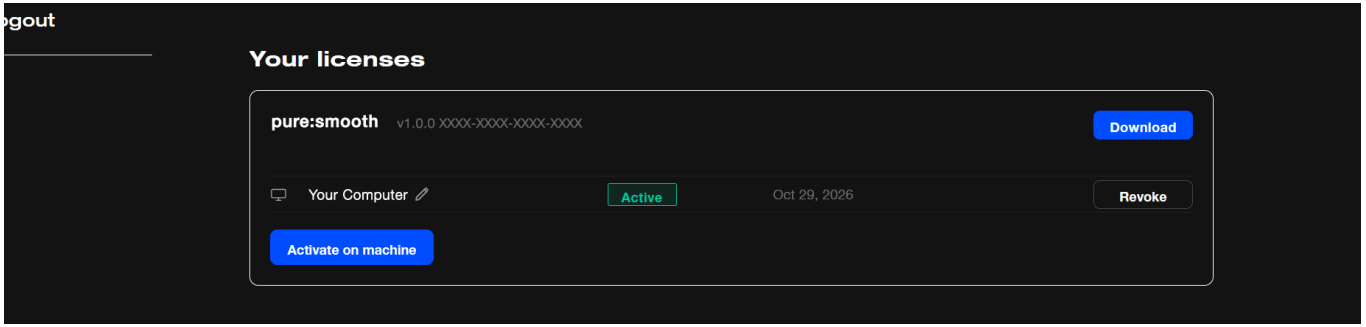
Each license key allows you to install pure:smooth on two computers with unique system IDs. These system IDs are computed during license activation.

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 are not supported.



Unlocking

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

Machine-based unlocking

When opening pure:smooth for the first time, a notification window will be displayed asking you to unlock pure:smooth with 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, add the activation to your dongle, cloud session or device. The plug-in will then be automatically registered when opening the DAW – enjoy!

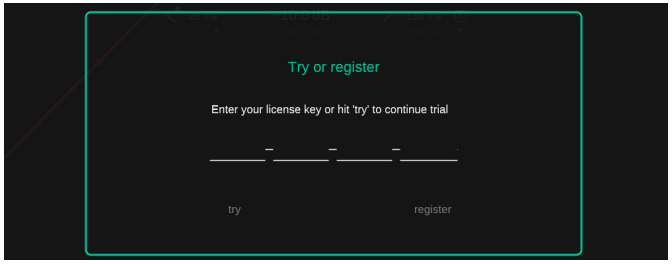
If you don’t receive the email within minutes please check your junk folder first before contacting our support (**support@sonible.com**).

Trial version

To run pure:smooth in demo-mode, simply click ”try” and you will then be able to use pure:smooth for a couple of days without any limitations. (Please refer to our website to find out more about the current demo period of pure:smooth)
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.

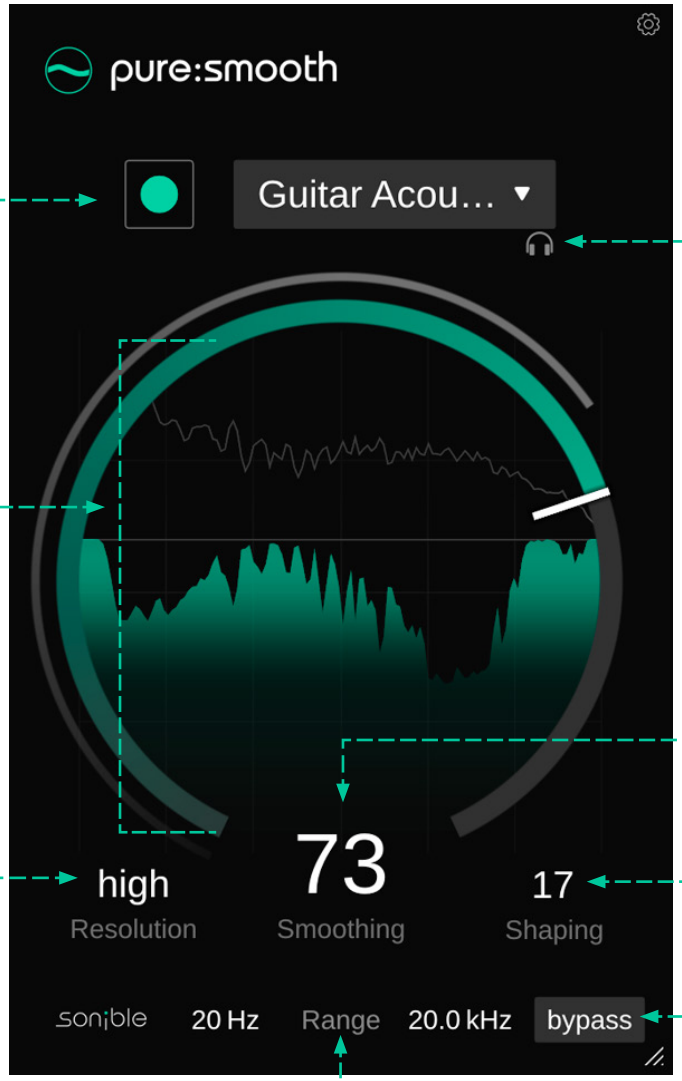


Learning Section
Select a profile that matches your sound source and start the learning process. pure:smooth analyzes your signal and adapts its processing to the characteristics of your audio.

Spectral Display
Monitor the frequency content of your signal and the spectral gain reduction applied by pure:smooth in real time.

Resolution
Select the frequency resolution of the processing. Lower settings apply broader reductions, while higher settings allow pure:smooth to target narrow resonances more precisely.

Range
Set a lower and upper frequency bound to limit the processing to a selected frequency range.

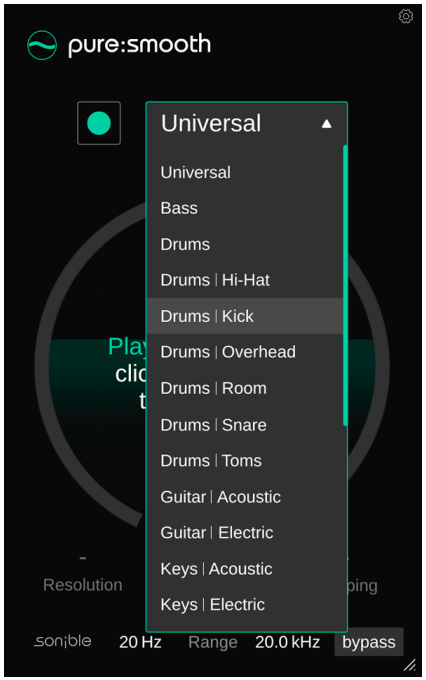


Difference Monitoring
Listen to the difference between the input and output signals to hear which components are being removed by the processing.

Smoothing
Control the overall strength of the processing. Higher values increase the impact of the resonance reduction and spectral shaping.

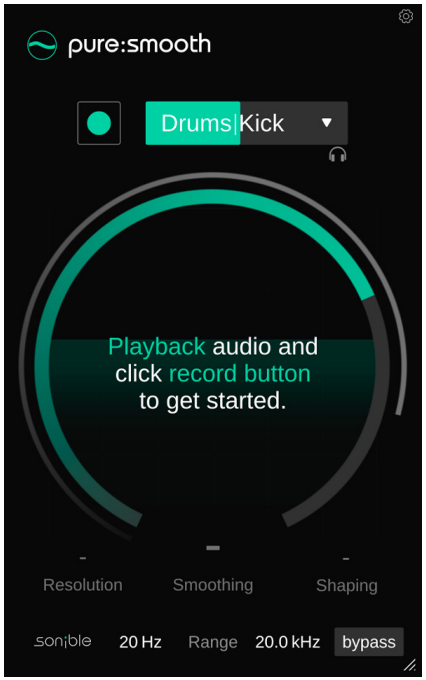
Shaping
Control how closely the processing preserves the original tonal balance. At 100, pure:smooth focuses on resonance removal. Lower values increasingly shape the signal toward a profile-dependent target spectral balance.

Bypass
Temporarily bypass the processing to compare the processed signal with the original sound.



1. Select a profile

In the dropdown menu choose a profile that best matches your sound source. The profile calibrates the processing of pure:smooth to the characteristics of the selected source.

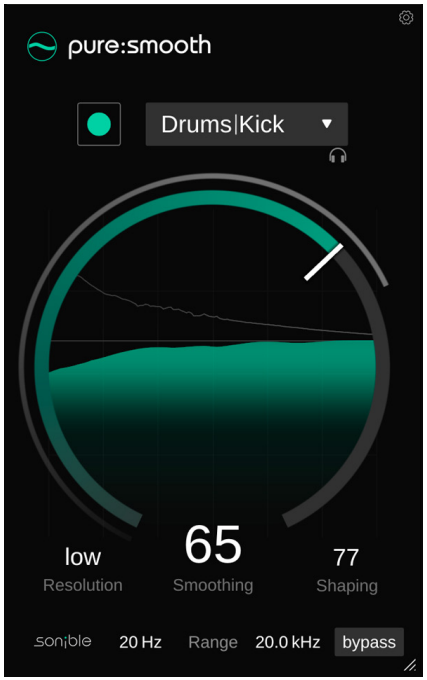


2. Playback and learning

pure:smooth needs an incoming audio signal for the learning process. Start playback in your DAW, click the green record button and let pure:smooth listen to your signal.

During learning, the plug-in analyzes the spectral characteristics of your audio and identifies overly prominent frequency components.

Hint: Let pure:smooth learn from a representative section of your signal. If you want to address a particular harsh passage, start playback from that section before beginning the learning process.



3. Done!

When the learning process is finished, pure:smooth unlocks all plug-in features.

Listen to the result and adjust Smoothing, Resolution and Style to match your sonic vision. Use Range to focus the processing on a particular part of the spectrum.

Hint: To let pure:smooth learn from a different section or a new sound source, simply start playback from the desired position and click the learn button again.

While the intelligent processing of pure:smooth provides a quick starting point for reducing resonances and harshness, the plug-in also allows you to fine-tune the result. Adjust the strength, precision and tonal character of the processing to find the right balance for your signal.

Resolution

The Resolution parameter controls how narrowly pure:smooth can target frequency components. Choose between three settings to adjust the precision of the processing.

- **low:** In low resolution mode, pure:smooth works with broader frequency regions. This setting is useful when the harshness extends across a wider part of the spectrum or when you want a broader tonal adjustment.

- **mid:** In mid resolution mode, pure:smooth balances broader smoothing with more focused resonance reduction. This setting provides a useful starting point for a wide range of signals.

- **high:** In high resolution mode, pure:smooth can target narrow resonances more precisely. This setting is useful when individual frequency peaks stand out and you want to reduce them with less influence on neighboring frequencies.

Range

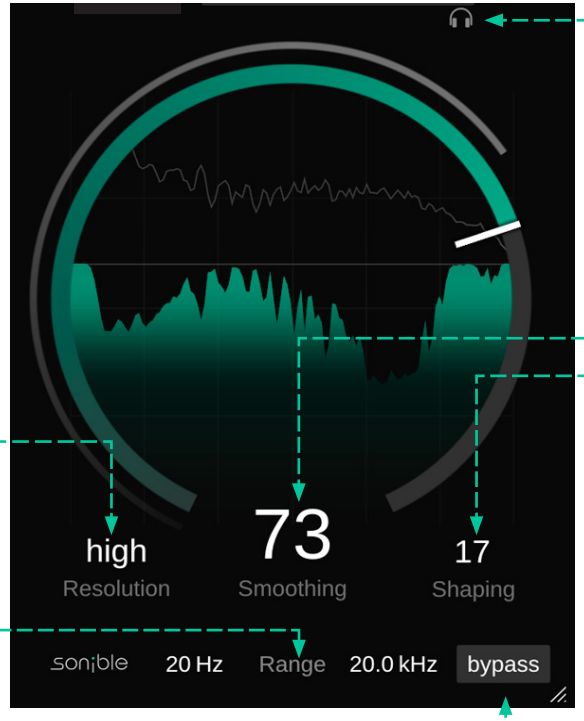
Use the lower and upper frequency bounds to define the part of the spectrum that pure:smooth processes. Frequencies outside this range remain unaffected by the resonance reduction and spectral shaping.

For example, raise the lower bound to retain the low-frequency body of a signal while smoothing its upper frequencies. Lower the upper bound to keep the highest frequencies outside the processing range.

Difference Monitoring

Click the headphone button to listen to the difference between the input and output signals. This lets you hear the components being removed by pure:smooth and helps you assess the effect of your settings.

Hint: Use difference monitoring to check the processing, then switch it off and judge the result by listening to the full signal in your mix.



Bypass

Use Bypass to compare the processed and unprocessed signals. This helps you assess whether your settings provide the desired reduction in harshness and preserve the character you want to retain.

Smoothing

The Smoothing parameter controls the overall strength of the processing. Think of it as an impact control: higher values make the changes more pronounced, while lower values keep the result closer to the unprocessed signal.

- **Lower values** apply gentle processing and are useful when you want to subtly tame harshness while retaining the original sound.

- **Higher values** increase the impact of the processing, providing stronger control over prominent resonances and a more noticeable smoothing effect.

The resulting tonal change also depends on Style. At lower Shaping values, increasing Smoothing primarily strengthens the resonance reduction. At higher Shaping values, it also makes the spectral shaping more pronounced.

Shaping

The Shaping parameter determines how closely pure:smooth preserves the original tonal character while reducing resonances.

- **At 0**, pure:smooth focuses on resonance removal, keeping the overall tonal balance close to the original signal.

- **At lower values**, pure:smooth increasingly shapes the overall tonal balance alongside resonance reduction, creating a more noticeable change in the sound's character.

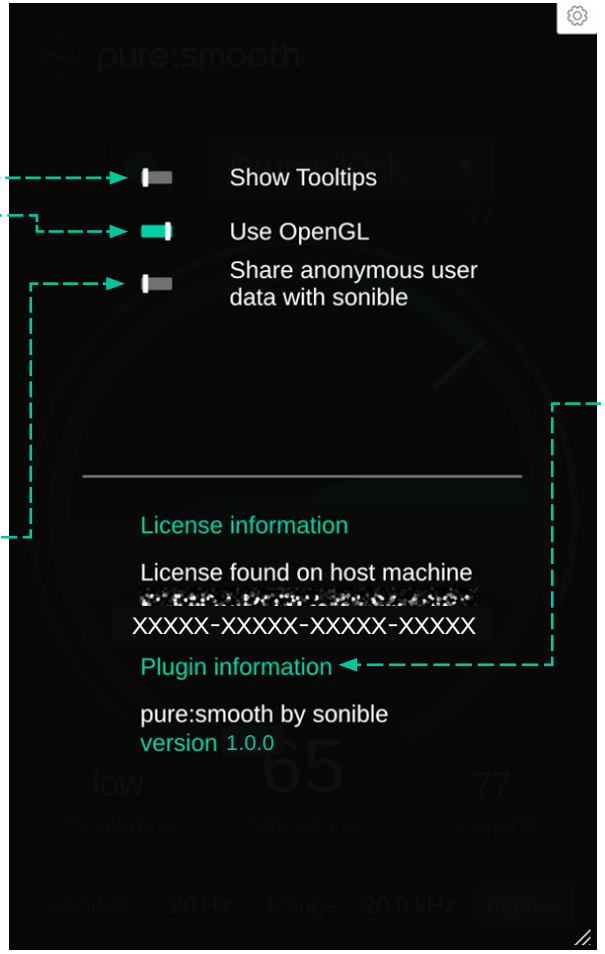
- **At 100**, tonal shaping is strongest. Use this setting when you want a more pronounced change in tonal balance alongside resonance reduction.

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

Show tooltips
Enable or disable tooltips when hovering over interface elements.

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

Share anonymous user data with sonible
Enable this option 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, unless the plug-in is licensed via iLok.

Update notice
When a new version of the plug-in is available, you will receive a notification here. An available update is also indicated by a small dot on the cogwheel in the main view of pure:smooth.

Click the green text to download the latest version.

www.sonible.com/puresmooth

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