

XF Comp

Intelligent starting settings for audio compression

USER MANUAL - VERSION 1.0

XF Comp

Intelligent starting settings for audio compression

Load Audio

MED_174_A_Terminal_2_synthbass.wav



PLAY

SYNC

Bass

▼

Analyze

Recommended Settings

Threshold	Ratio	Attack	Release	Knee
-10.1 dBFS	4:1	45 ms	80 ms	Hard

Why?
High dynamic range detected (14.4 dB crest factor). A threshold of -10.1 dBFS is recommended to control the loudest bass notes.

Tip
Control peaks without losing punch.

Signal Metrics

by Sintelab

Free VST3 Plugin for Windows

by Sintelab

<https://www.sintelab.com/xf-comp/>

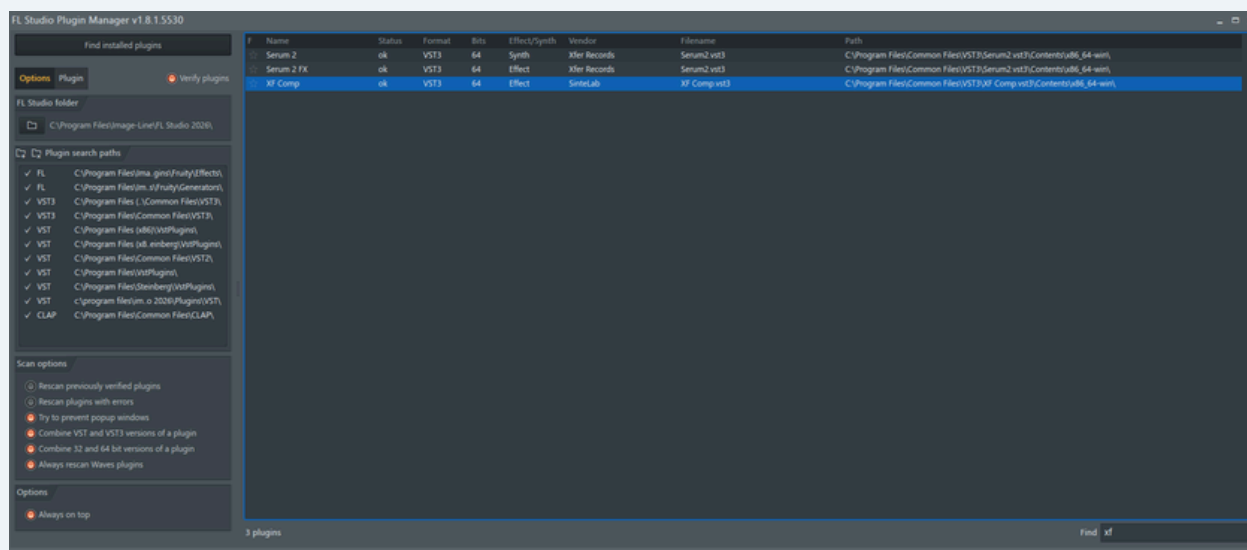
What is XF Comp + Installation

XF Comp is an intelligent compression assistant that analyzes an audio file and suggests starting values for Threshold, Ratio, Attack, Release and Knee. It also explains why those values were suggested and provides a practical tip.

INSTALLATION

1. Unzip the XF Comp v1.0.zip file.
2. Copy the complete XF Comp.vst3 folder.
3. Paste it into C:\Program Files\Common Files\VST3
4. Open your DAW and rescan plugins if needed.

Windows 64-bit · VST3 compatible DAW

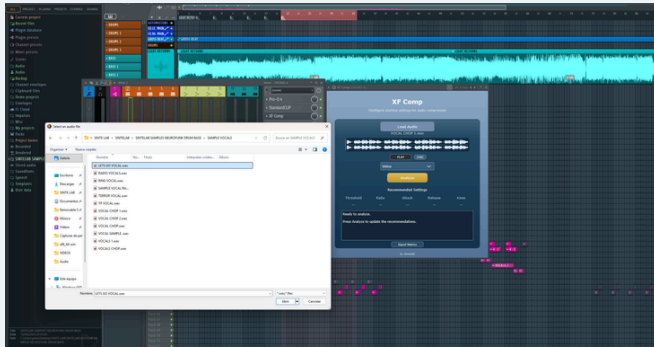


Find installed plugins FL Studio

Load Audio and Select Source

LOAD AUDIO

Click Load Audio to choose a WAV or FLAC file, or drag the file directly onto XF Comp.



SELECT THE SOURCE

Choose Voice, Drums, Bass or Synth before analysis. The source selection adapts the recommendations to the signal type.



Analyze and Recommended Settings

With the file loaded and the source selected, click Analyze. XF Comp calculates five parameters and displays a Why? explanation and a Tip.

The screenshot shows the XF Comp web application interface. At the top, it says "XF Comp" and "Intelligent starting settings for audio compression". Below this is a "Load Audio" button. The loaded audio file is "SAHA_Kit_05_120_G#_Female_Vocal_Lead_(Dry)_4314335.wav". There is a waveform visualization of the audio. Below the waveform are "STOP" and "SYNC" buttons. A dropdown menu is set to "Voice". A large yellow "Analyze" button is prominent. Below the "Analyze" button, the "Recommended Settings" are displayed in a table:

Threshold	Ratio	Attack	Release	Knee
-19.9 dBFS	4:1	15 ms	80 ms	Hard

Below the table, there is a "Why?" section with the text: "High dynamic range detected (17.8 dB crest factor). A threshold of -19.9 dBFS is recommended to control the loudest vocal peaks." and a "Tip" section with the text: "Preserve vocal expression." At the bottom of the interface is a "Signal Metrics" button and the text "by Sintelab".

WHAT EACH PARAMETER MEANS

Threshold — the level above which the compressor starts applying gain reduction.

Ratio — determines how much the signal is compressed once it exceeds the threshold. For example, with a 4:1 ratio, for every 4 dB the signal goes above the threshold, only about 1 dB appears above the threshold at the output.

Attack — the time it takes for the compressor to apply gain reduction after the signal exceeds the threshold.

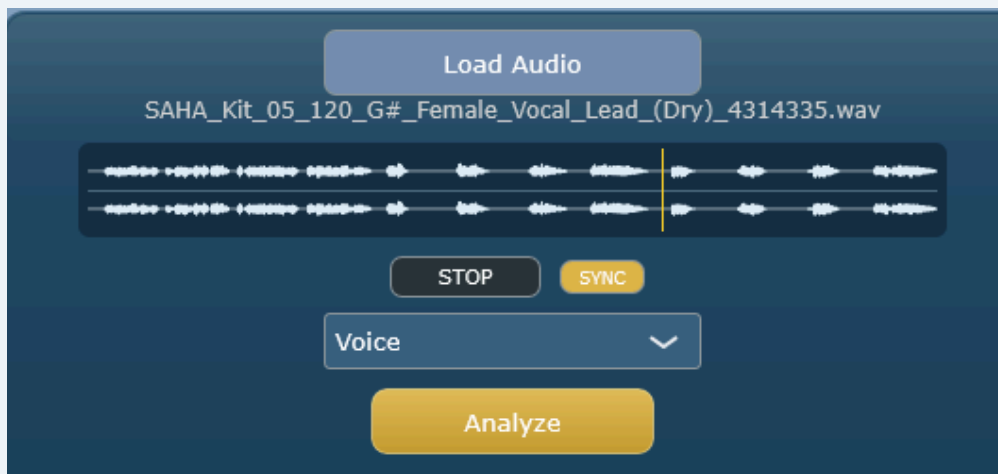
Release — the time it takes for the compressor to recover gain and stop compressing after the signal falls below the threshold.

Knee — determines whether the compression starts more gradually or more abruptly around the threshold.

Playback, Sync and Signal Metrics

PLAY / STOP + SYNC

PLAY previews the loaded file. STOP ends playback. With SYNC enabled, XF Comp follows the DAW transport.



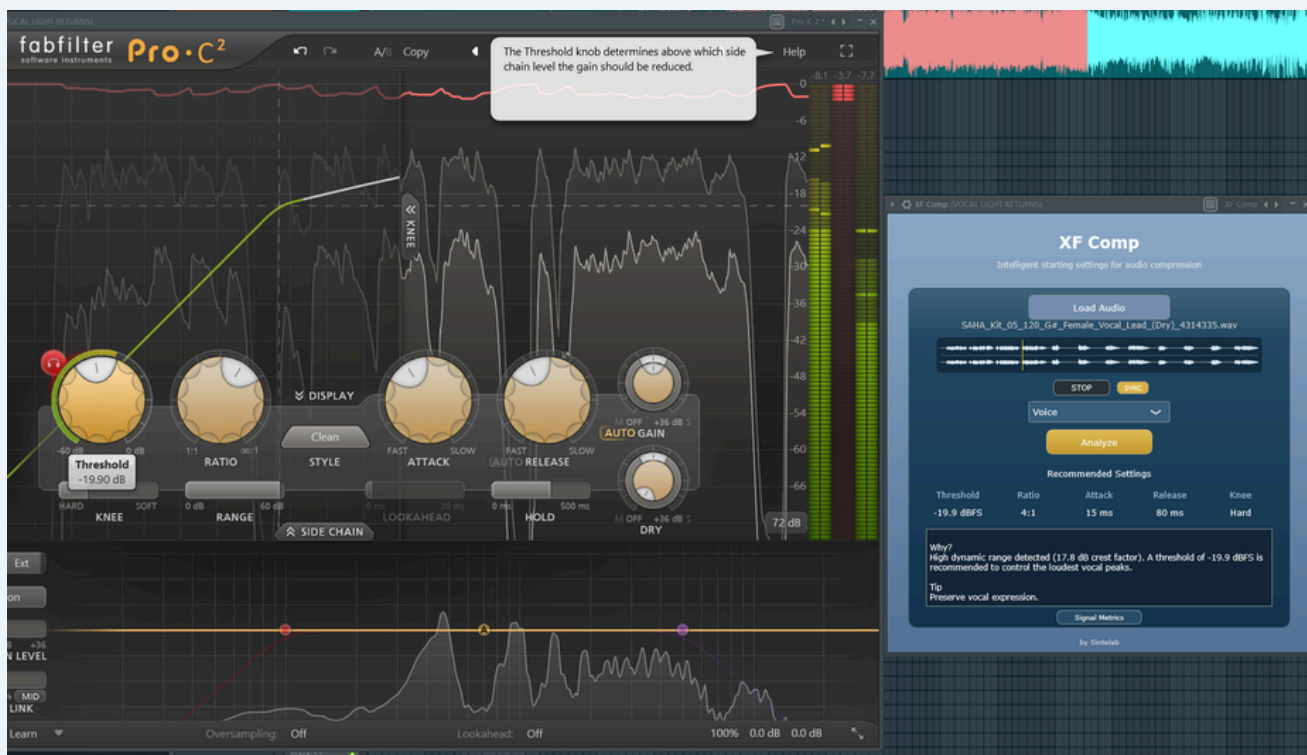
SIGNAL METRICS

Signal Metrics shows technical information such as Sample Peak, RMS, Crest Factor, Dynamic Range, Transient Score, Compression State and Clipping.



Applying the Settings

XF Comp does not compress audio directly. Use the recommended values as a starting point in your preferred compressor and make the final adjustment while listening in the context of the mix.



XF Comp v1.0

Free VST3 · Windows64-bit · bySintelab

<https://www.sintelab.com/xf-comp/>