Manuals+ — User Manuals Simplified.

TECHIVATION T-Clarity Midrange Frequency Enhancer User Manual

Contents

TECHIVATION T-Clarity Midrange Frequency Enhancer

Techivation T-Clarity

The Techivation T-Clarity is a powerful audio plugin designed to enhance the clarity and quality of your audio recordings. With a range of features and customizable settings, the T-Clarity allows you to achieve professional-level audio processing with ease.

Features

- **Processing Knob:** Controls the level at which compression is triggered to remove unwanted muddy and boxy sounds.
- **Intensity:** Determines the amount of gain reduction applied when the signal passes a threshold level.
- **Sharpness:** Adjusts the transitions between the compressed and non-compressed states of the audio signal.
- **Undo/Redo Options:** Built-in options to easily revert or redo changes made to the settings.
- **A/B Switch:** Allows you to compare different settings and make small tweaks for optimal sound.
- **Output Level:** Adjusts the volume level of the processed audio signal.
- **Level Meter:** Displays the master output signal level and current gain reduction.
- **Audition Buttons:** Filter button allows you to listen to specific frequency bands in isolation, while Diff button lets you hear the sounds being removed.
- **Frequency Range Modes:** Offers four frequency range modes (Hi-mid, Mid, Lo-mid, Low) with corresponding frequency ranges.
- **On/Off Button:** Enables or disables the plugin's effect on the output sound.
- **Menu:** Provides quick access to useful features such as Undo/Redo, Presets, Save Preset As…, and Load Preset as.
- **Oversampling up to 16X:** Reduces aliasing by processing audio at a higher sample rate than the host.
- **GUI Scale:** Adjusts the size of the plugin's graphical user interface.

Usage Instructions

1. Open your preferred digital audio workstation (DAW) or audio editing software.
2. Load the Techivation T-Clarity plugin onto the audio track or master bus where you want to apply the processing.
3. Adjust the Processing Knob to determine the level at which compression starts to remove unwanted sounds. Listen to the audio and find the point where the mid or upper mid range is controlled without excessive audible compression.
4. Set the Intensity to control the amount of gain reduction applied when the signal passes the threshold level. A higher intensity value results in more gain reduction.
5. Use the Sharpness control to adjust the transitions between compressed and non-compressed states. Lower sharpness values provide smoother and more gradual compression.
6. Experiment with the Undo/Redo options to easily revert or redo changes made to the settings.
7. Compare different settings using the A/B Switch. Use the Copy to B function to compare small tweaks to the original settings.
8. Adjust the Output Level to reduce or increase the volume level of the processed audio signal.
9. Utilize the Audition Buttons to isolate specific frequency bands or hear the sounds being removed by the plugin.
10. Explore the different Frequency Range Modes to focus on specific frequency ranges during processing.
11. Enable or disable the plugin's effect on the output sound using the On/Off Button.
12. Access additional features such as Undo/Redo, Presets, Save Preset As…, and Load Preset as from the Menu.
13. Optimize audio quality by adjusting the Oversampling setting from the plugin's top-right menu. Higher oversampling values (up to 16X) reduce aliasing.
14. Customize the size of the plugin's graphical user interface using the GUI Scale feature.

With the Techivation T-Clarity, you can achieve professional audio processing and enhance the clarity of your recordings with ease. For more information, visit the Techivation website at **www.techivation.com**.

Features

- Processing Knob
- Intensity
- Sharpness
- Scaleable Graphic User Interface (GUI)
- Undo/Redo Options
- A/B Switch
- Output Level
- Level Meter
- Frequency Range Modes
- On/Off Button
- Menu
- Audition: diff & filter

- Oversampling up to 16X

Overview

- The Techivation T-Clarity's graphical interface is designed to enable the users to make rapid and precise audio processing. For a better user experience, the scale may range from 80% to 150%.
- The T-Clarity helps you with cleaning the muddiness and boxiness of the sounds. It is a powerful tool for making your mid-range sound more solid and consistent. T-Clarity enhances the quality of audio mid-range musically, and it's considered an essential tool along with the T-De-Esser for any audio processing tasks.

Processing Knob
The Processing setting determines how much level can pass through the plug-in before compression is triggered to start cleaning the unwanted muddy and boxy sounds. Lower the processing until gain reduction starts to occur. Then listen as you adjust the processing. Find the point at which the mid or upper mid-range is controlled without extremely audile compression.
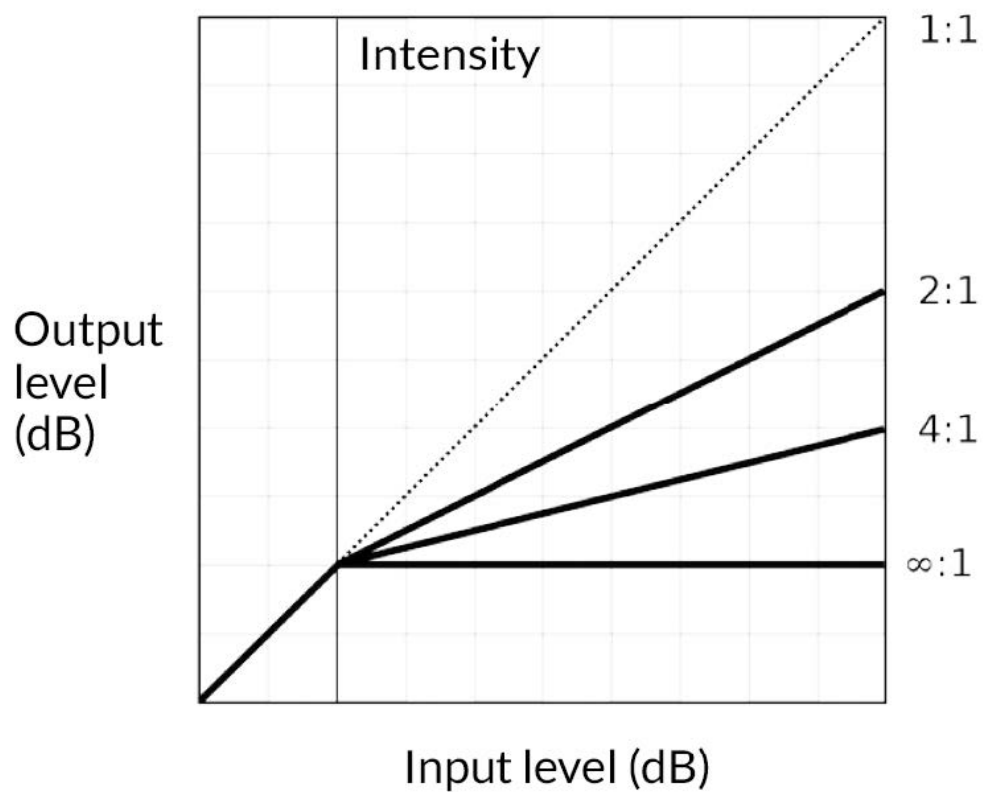
Quick tips:

- Double clicking on Processing knob will set back its value to default.
- Double clicking on Processing knob's value number, will allow you to type in your preferred value.

Intensity

The T-Clarity's "Intensity" determines how much gain reduction the T-Clarity applies when the signal passes a threshold level. For example, an intensity of 4:1 means that for every 4 dB the signal rises above the threshold, the plug-in will allow an output of 1dB.

Intensity

Output level (dB)

Input level (dB)

1:1
2:1
4:1
∞:1

Sharpness
The "Sharpness" refers to how the plug-in's transitions between the non compressed and compressed states of an audio signal running through it. A "lower sharpness" allows for as mouther and more gradual compression

than a "higher sharpness."

Quick tips:

- Double clicking on Sharpness knob will set back its value to default.
- Double clicking on Sharpness knob's value number, will allow you to type in your preferred value.

Undo/Redo Options
Undo and Redo options are built inside the plugin so you no longer need to worry about losing setting values.

A/B Switch

Quickly and simply compare different settings to find out which would fit well. The "Copy to B" allows you copy the settings you've made in the A version, to see how small tweaks would sound compared to the original A version.

Output Level

Reduce or increase the output volume level in dB.

Level Meter

Shows the master output signal level and current gain reduction in dB.

Audition Buttons

Filter
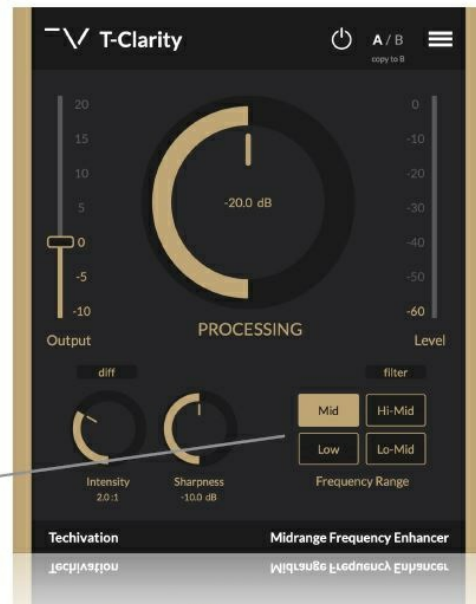This feature allows you to quickly listen to the T-Clarity's selected frequency bands in solo.

Diff
This button (when selected) allows you to just hear the effect of the plug-ins on your signal. Basically it lets you hear the sounds that are being removed.

Frequency Range Modes

Hi-mid	500 Hz -- 900 Hz
Mid	300 Hz -- 500 Hz
Lo-mid	150 Hz -- 300 Hz
Low	50 Hz -- 150 Hz

On/Off Button

Bypass button, enables or disables the plugin's effect on the output sound. Smooth, click-free transitioning makes this parameter ideal for automation.

Menu

A quick menu of useful features:

- Undo
- Redo
- Presets
- Save Preset As…
- Load Preset…
- Default Preset
- GUI Scale
- About T-Clarity

Undo/Redo

- **Presets**

  Allows you to load presets from the T-Clarity's built-in preset menu.

- **Save Preset As…**

  Allows you to save your own custom presets in your computer's presets folder.

- **Load Preset as**

  Allows you to load presets from your computer's presets folder.

Oversampling up to 16X

- Oversampling in T-Clarity helps you decrease aliasing by executing the internal process at a higher sample rate than the host, up to 16 times higher. (In other words, it will improve the quality of your audio.)
- You can change the oversampling from the plug-ins Top-right menu.

GUI Scale
The GUI scale may range from 80% to 150%.

About T-Clarity
This window can be opened from the plug-in's menu which contains a brief information about your current plug-in version, new plug-in updates and quick access to the support page.

Compatibility

- **Plugin formats:** VST, VST3, AU, AAX.
- **Platforms supported:** Mac OS 10.7 and up including Catalina and Big Sur. M1 Native.
- PC Windows 7 and up.
- **DAWs supported:** Ableton Live, Logic Pro, Avid Protools, FL Studio, Cubase, Nuendo, Reaper, Reason and other major DAW softwares on the market.

Support

- For any support inquiries check out **techivation.com/support**
- Check out **techivation.com/terms-conditions** to learn more about the rights.
- If you have any questions, feel free to reach out to us via email. **info@techivation.com**

Installation

- A software download button appears in your Techivation account on **techivation.com** with your purchase. You can always go to our website, log in to your Techivation account and download the plug-in installers.
- After downloading, unzip the file and select either Mac or PC depending on your system. (Warning: don't run the PC file on a Mac and vice-versa).
- **Mac:** Double click on the PKG installer and follow the instructions

- **PC/Windows:** Double click on the setup file and follow the instructions

T-Clarity Activation

- Activating T-Clarity is simple. After you make the purchase, you download the installers from your Techivation account, install it on your system, and you can just sign in to the plug-in using your Techivation account's email and password to have it activated on your system.
- As you activate it, you can continue using the plug-in on your system even while being offline too.

Uninstall Locations

- **MAC OS**
    - **AU:** /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/
    - **Other data**: ~/Library/Application Support/Techivation
- **WINDOWS**
    - **VST:** Custom path from installer
    - **VST3:** \Program Files\Common Files\VST3\
    - or \Program files(x86)\Common Files\VST3
    - **AAX:** \Program Files\Common Files\Avid\Audio\Plug-Ins\
    - **Other data:** C:\ProgramData\Techivation "Note: this folder is hidden so you need to change your settings to see the hidden files first."

Documents / Resources

Techivation T-Clarity User Manual	**TECHIVATION T-Clarity Midrange Frequency Enhancer** [pdf] User Manual T-Clarity, T-Clarity Midrange Frequency Enhancer, Midrange Frequency Enhancer, Frequency Enhancer, Enhancer

References

- **Techivation - Innovative Audio Plug-ins for Creators**
- **Support - Techivation**
- **Terms & Conditions - Techivation**
- **Techivation - Innovative Audio Plug-ins for Creators**
- **Support - Techivation**
- **Terms & Conditions - Techivation**