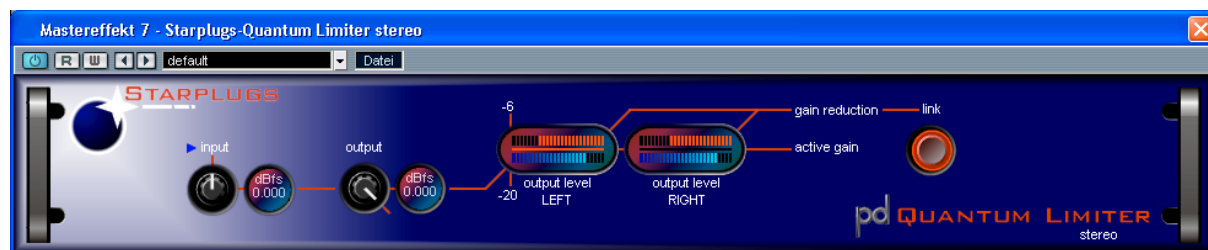




QUANTUM LIMITER STEREO

QUICKSTART OPERATION MANUAL



QUANTUM LIMITER

STEREO

BY

pd

WWW.STARPLUGS.COM



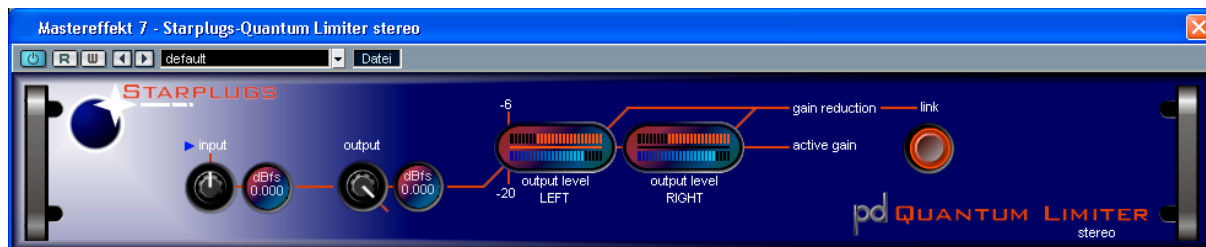
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QUANTUM LIMITER STEREO

QUANTUM LIMITER FUNCTIONS



For the first time the pd quantum-algorithm[®] known for best filter modeling designs, sets a new standard in dynamic operations. The Starplugs-Quantum Limiter stands for **unperceptible** level-limitation of stereo tracks.

This tool leaves your mix untouched and guarantees a defined level with no distortion, no pumping, no ducking, no delay in the quantum range of up to 6 dB overload. Maximum limitation is set to more than 1000 dB.

You will appreciate the Starplugs-Quantum Limiter in all cases of real-time mixing, mastering and editing.

The pd quantum algorithm[®] of the Starplugs-Quantum Limiter makes all classical limiter settings unnecessary, this tool "listens" to YOUR tracks and "predicts" what will come to create the best level.

- 1 sample reaction time
- audio related attack times
- audio related release times
- audio related hold times

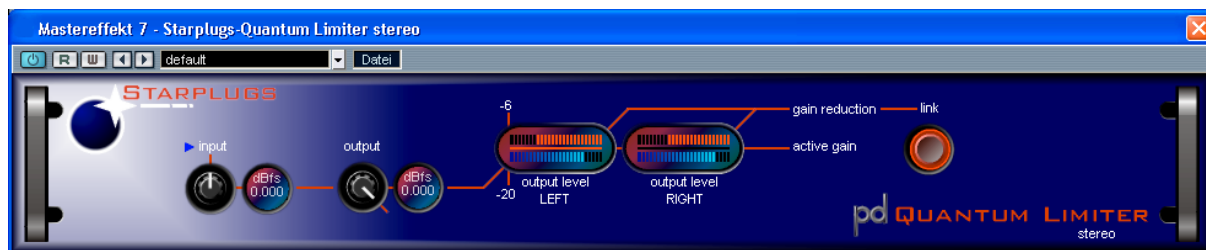
This Limiter adapts to your tracks - from rock to classic, from broadcast to video postproduction. The ultimate "LEVEL-POLICE"

+++ At the end it's YOUR SOUND that matters +++



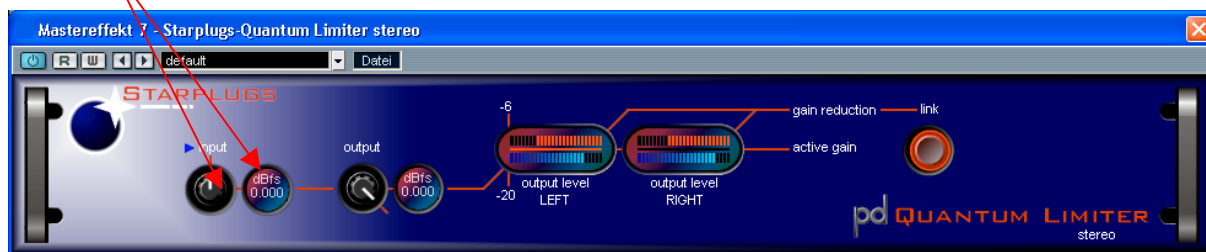
QUANTUM LIMITER STEREO

QUANTUM LIMITER SETTINGS



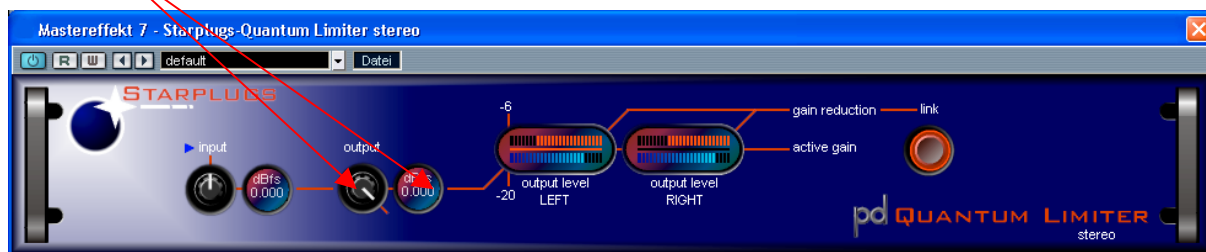
There is nothing to adjust to let the Starplugs-Quantum Limiter work best! You won't have to waste your time adjusting "threshold", "attack-times" and things other limiter "offer".

INPUT



Set the input level with the input knob +/- 10 dB, center position (press the blue arrow) is 0 dB. The dBfs reference is displayed in the dBfs-meter beside.

OUTPUT

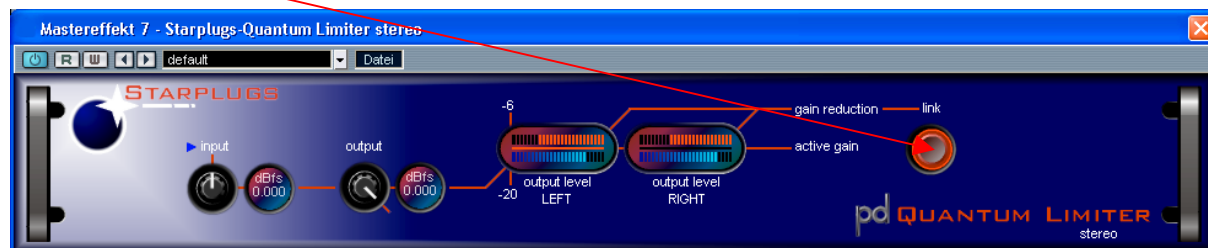


The Starplugs-Quantum Limiter limits the output to the adjusted dBfs reference. Right position correlates to 0 dBfs output level. To set lower output levels turn the output knob in the range of 0 dB to -20 dB. The dBfs reference is displayed in the dBfs-meter beside.



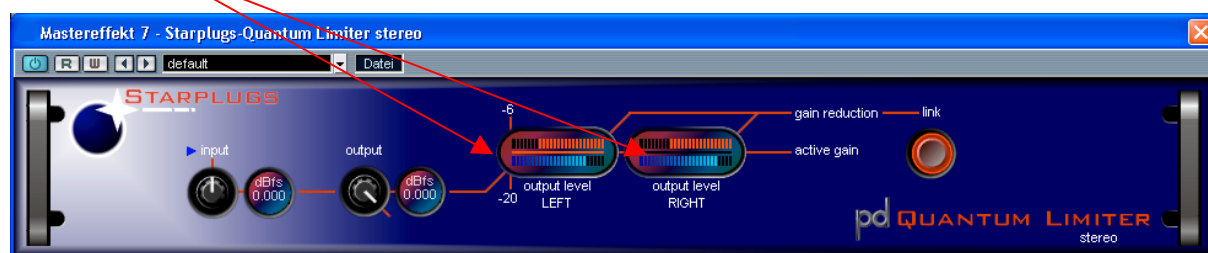
QUANTUM LIMITER STEREO

LINK



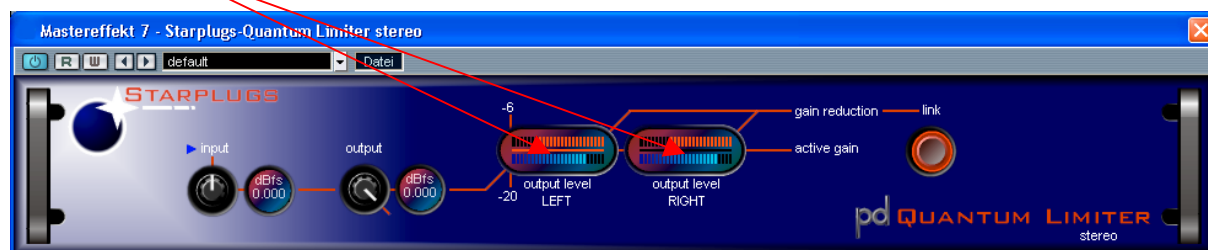
Activate the link button to get an equal limitation of both channels to avoid phase problems in the stereo field. Deactivate this feature to limit left and right channel independently.

ACTIVE GAIN



The red indicator between the peak- and the gain-reduction meter indicates the higher leveled channel in link mode. The value of the gain reduction of this channel operates left and right channel. When the link mode is not activated both indicators are highlighted.

LEVEL METERS



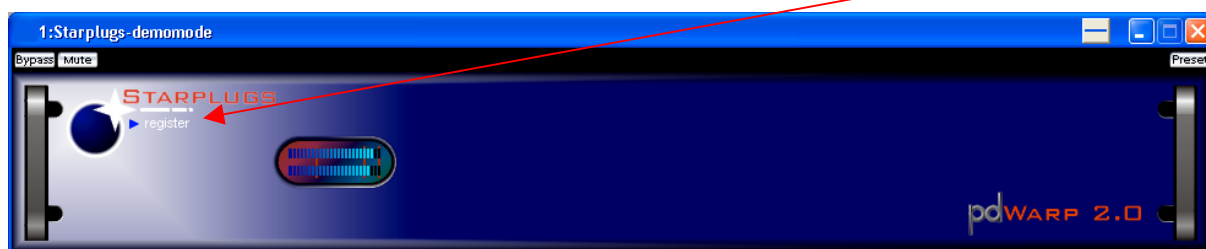
See the blue colored output level meter of the Starplugs-Quantum Limiter and the red colored gain reduction meter. The maximum gain reduction using the pd quantum algorithm[®] (quantum range) is limited at 6 dB. Gain reductions over 6 dB are processed in the way all other limiters do.



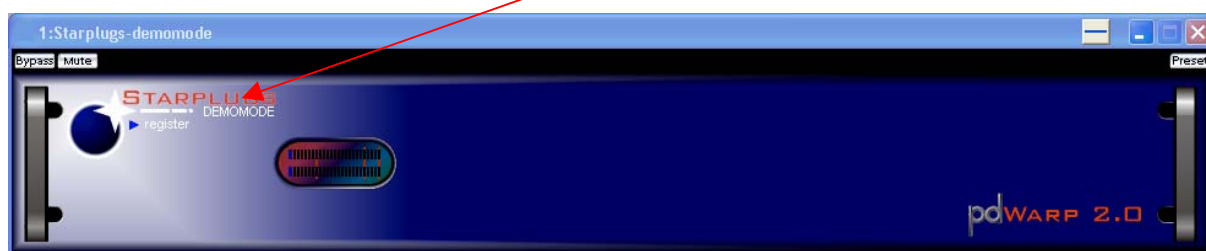
QUANTUM LIMITER STEREO

STARPLUGS > DEMOMODE

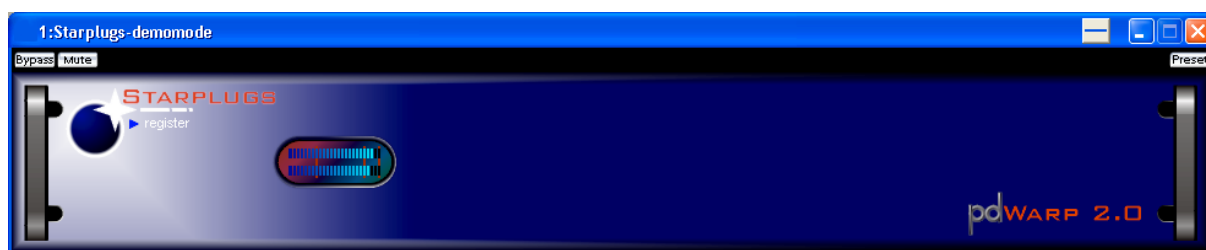
As long as your plugin is not registered your plugin runs in "DEMOMODE". The register inscription and the arrow beneath the Starplugs-Logo indicate the DEMOMODE.



In DEMOMODE you can run the plugin without functional restrictions. But every minute the plugin mutes the outputs for five seconds. The inscription DEMOMODE indicates the mute-period.



After these five seconds the plugin will run again for one minute and then will be muted for five seconds and so on...

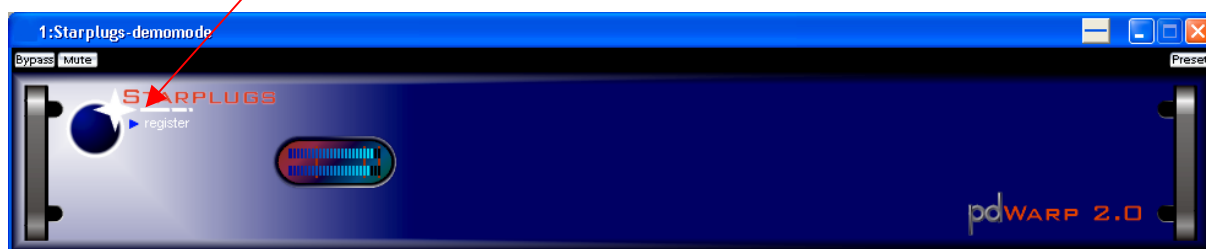




STARPLUGS > PRODUCT REGISTRATION

IMPORTANT: You do NOT have to register the plugin to use it in DemoMode.

Click the blue arrow beside the Starplugs logo of your DEMO plugin...



...and the Starplugs registration-dialog will open.

Starplugs-Registrierung

File ?

GUID: {e76154c0-c95f-11d6-bea3-806d6172696f}

To register your purchased plugin please visit
www.starplugs.com

Under 'SUPPORT' you'll find the link 'REGISTER'.
Fill out the form by entering your name, the product name, your invoice number and the GUID-Code. In return you'll get the the PID-Code and your personal PSID-Code. Simply enter these two codes into the boxes below.

PID: PSID:



After purchasing your desired Starplugs-plugin in our online shop, please visit

www.starplugs.com

Under "**SUPPORT**" you'll find the link "**REGISTER**". Fill out the form by entering

- Your Name
- Your email
- Your Invoice Number
- Product Name
- Complete GUID – Code

Starplugs-Registrierung

File ?

GUID: {e76154c0-c95f-11d6-bea3-806d6172696f}

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PID: PSID:

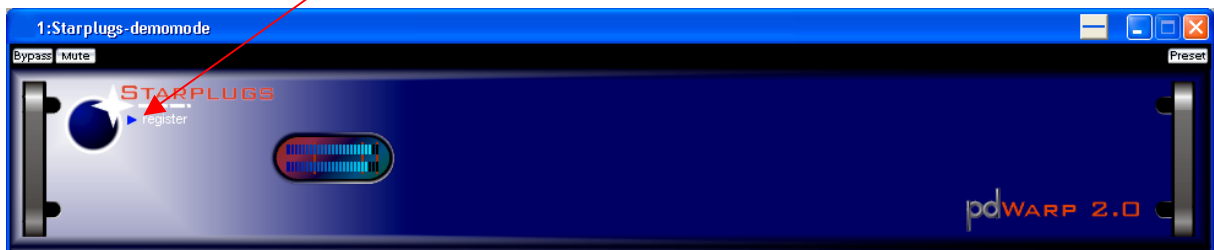
Register

In return we will send you a full-version **setup.exe** of your purchased plugin, the PID-Code (Product ID) and your PSID-Code (Personal Security ID).



REGISTRATION

After receiving the full-version setup.exe please install your new plugin by following the instructions of the setup. In your Host application you will now find **your plugin without the extension "_DEMO"**. Click the blue arrow beside the Starplugs logo of your plugin...



...and the Starplugs registration-dialog will open. Enter the **PSID** and **PID** codes we send you.

Starplugs-Registrierung

File ?

GUID: {e76154c0-c95f-11d6-bea3-806d6172696f}

To register your purchased plugin please visit
www.starplugs.com

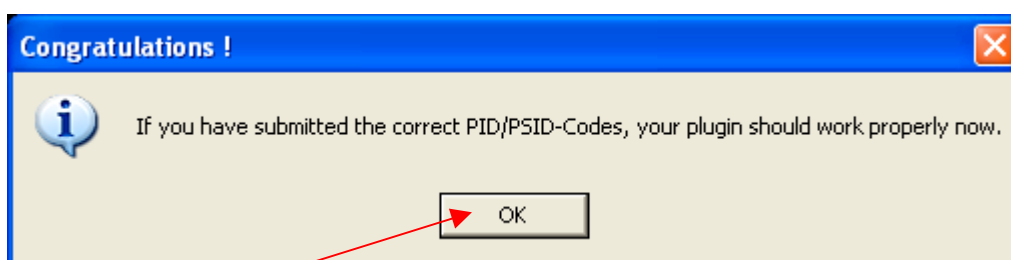
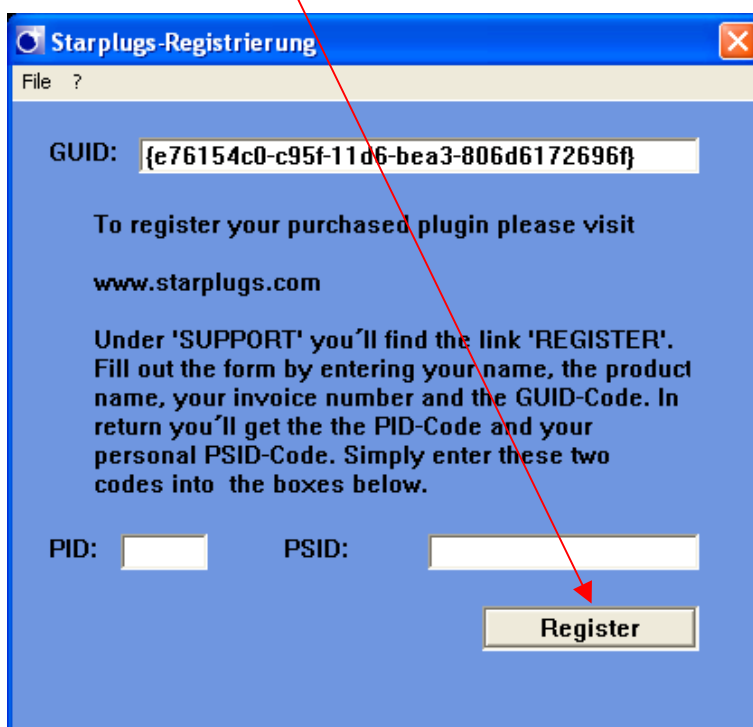
Under 'SUPPORT' you'll find the link 'REGISTER'.
Fill out the form by entering your name, the product name, your invoice number and the GUID-Code. In return you'll get the the PID-Code and your personal PSID-Code. Simply enter these two codes into the boxes below.

PID: PSID:

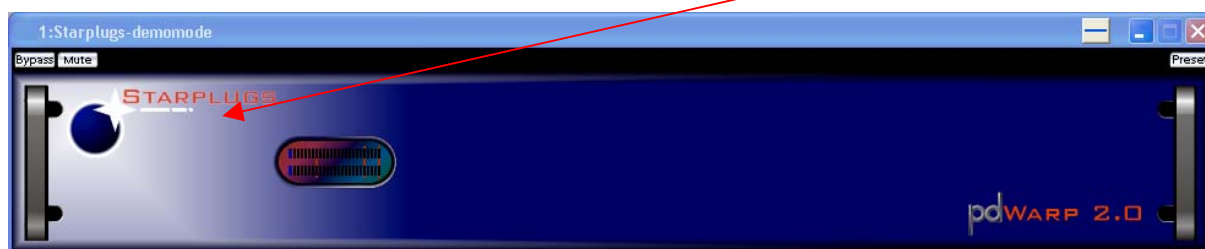


QUANTUM LIMITER STEREO

Then click the "Register"-Button and you'll see the following information:



Click the "OK"-Button and your plugin is registered. All inscriptions and buttons connected with the DEMOMODE disappeared on your plugin forever.

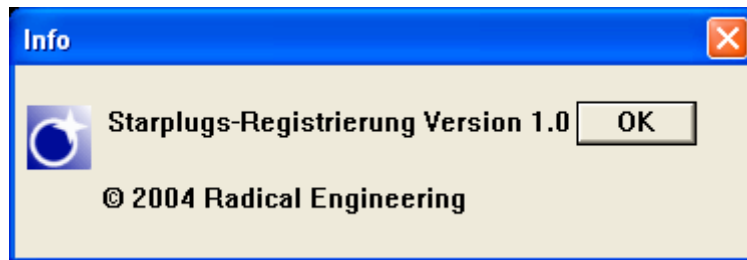


If you close the register - program or enter a wrong code your plugin will still run in "DEMOMODE".



QUANTUM LIMITER STEREO

The Starplugs – Registration is created by Radical Engineering.





STARPLUGS > UPDATES / UPGRADES

The most important thing: At Starplugs updates and upgrades are always FREE!

We continuously improve our plugins, so if you find any bugs please contact

support@starplugs.com

Starplugs will fix the problem as soon as possible and will keep you informed with the Starplugs newsletters. If you find your purchased plugin updated you have the chance to test the new version by downloading the DEMO-Version at

www.starplugs.com

To get a new Full Version release of your **purchased** plugin please contact

info@starplugs.com

and we will send you a new setup. Please install the new version "over" the old one. Just ignore and close the registration dialog after running the setup.

A new registration is NOT necessary!

STARPLUGS > MODIFICATIONS / ON DEMANDS

Starplugs works in the good tradition of analogue synthesizer-manufacturers. If you want a modification of your plugin there is a chance to get it. The price will be the purchased plugin and additional the hours of work. For details please contact

pd@starplugs.com

Starplugs even creates plugins "on demand". If you are searching for a special plugin and you can't find a satisfying solution please contact us - we will find a way!

+++ At the end it's the SOUND that matters +++



QUANTUM LIMITER STEREO

STARPLUGS > TURNING KNOBS

STARPLUGS LOGO

Start the manual PDF by clicking on the logo.
Creators Logo and Module Name



MAIN KNOBS



Click and hold the knob.

Moving the mouse up will increase the value of the knob, moving it down will decrease the value.

Click the knob while holding the STRG key will give you a very fine control of the value.

Main knobs and joysticks give you control to main volumes and attenuators.



QUANTUM LIMITER STEREO

MAIN KNOBS + METER



Click and hold the knob.

Moving the mouse up will increase the value of the knob, moving it down will decrease the value.

Click the knob while holding the STRG key, will give you a very fine control of the value.

Main knobs + meter give you control to main volumes and attenuators. The meter shows full scale with a 360-degree circle.

COLORED KNOBS



Turn the colored knobs like the other knobs.

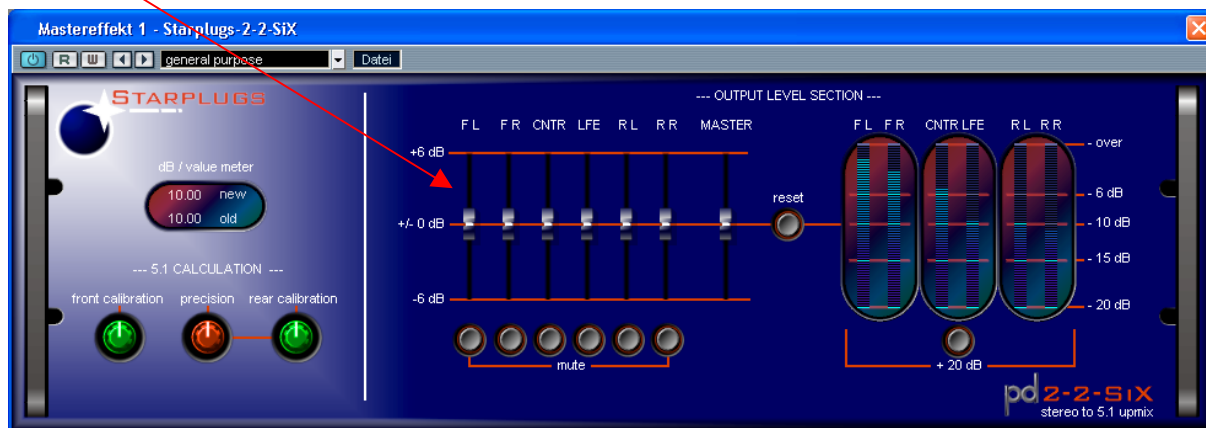
Each color stands for a specific function:

- Black: Attenuator
- Blue: Frequency Controller
- Red: Time Controller
- Green: Effect Controller
- Yellow: Special Controller



QUANTUM LIMITER STEREO

SLIDERS



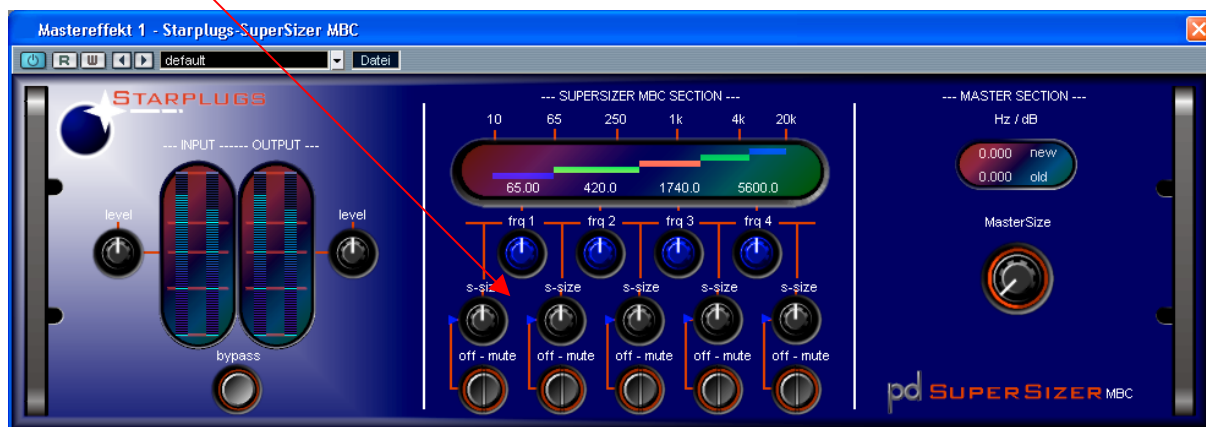
Click and hold the slider.

Moving the mouse up will increase the value of the slider, moving it down will decrease the value.

Click the knob while holding the STRG key, will give you a very fine control of the value.

Sliders are used to set high precision levels and values.

RESET - ARROWS



Sometimes sliders or knobs are equipped with little blue arrows. Click the reset-arrow and the slider or knob will snap back to zero position – for example 0dB position at level sliders.



QUANTUM LIMITER STEREO

LED - INDICATORS



STEP SELECTORS



Small selectors are used to select from a small row of values. By clicking the selector-button you step in a circle.
Large selectors are used to step up and down in a large row of values.



QUANTUM LIMITER STEREO

BUTTONS



Left click activates the buttons. Buttons can be trigger- or toggle-buttons.

VALUE METER

Shows the active knob value.

PROGRAM PEAK METER

Scale shows over / -6 / -10 / -15 / -20 full-scale dB.

5.1 METER

Shows the position of the 5.0 (without LFE) signal flow.





PRESETS AND MIDI-AUTOMATION

All parameters of this plugin can be midi-automated via sysex-data. Please refer to the manual of your host application – it will show you how to automate vst-plugins. Normally you'll have to set this plugin to write-mode and turn the knobs.

Loading and saving presets and banks from and to disk is also part of your host application. This plugin comes with a bank of 16 integrated factory-presets.

STARPLUGS, SYNTHEDIT AND VST

Starplugs synthesizers and effects are created with Jeff McClintock's Synthedit VST-creation-tool and additional C++ modules.



Synthedit-based plugins are known for high and stable performance.

Synthedit does not predefine the sound and function of our plugins. Synthedit is a great VST-creation-tool and gives the Starplugs creator-crew much more time for sound and performance optimizing.

So thanks and all honor to Jeff McClintock!



VST – Plugin Technology by Steinberg

Thanks