

# *Rust* MOTOR EQ



# 1. Introduction

Thank you for choosing Rust!

Rust - Motor EQ is a VST/VST3/AAX/AU Acqua plugin that faithfully replicates the sound of an ultra-rare, all-analogue, passive, seven-band fixed EQ considered today as the 'Holy Grail' of classic EQs, as well as introducing some additional features compared to the original unit. Used in countless number one hits, this EQ has become legendary and today is one of the rarest pieces of audio gear ever built.

The Rust - Motor EQ can be your secret-sauce for both individual tracks and master bus processing, giving your tracks the same incredible warm and rich sound of the legendary analog hardware passive equalizers used by the Motown sound engineers. Plus, you will find controls that offer further versatility, including: M/S/L-R switch, Preamp and EQ activation switches, Size menu and an oversampling option for the preamp section.

## Back to the past ..

In addition to creating the hits of the likes of Stevie Wonder, Marvin Gaye, Diana Ross, The Jackson 5 and many others, the Motown record label created the true Soul and R'n'B sound.

The beating heart of the equipment was undoubtedly the Equaliser that was sampled for this new Acqua plugin. Built in the 1960s by Motown engineers to improve the sound of their productions, it contributed significantly to the ushering of a new era of music.

What we are talking about is a custom passive 7-band graphic equaliser with its frequencies fixed at 50Hz, 130Hz, 320Hz, 800Hz, 2kHz, 5kHz and 12.5kHz, capable of delivering full tones and a punchy and warm sound that made this EQ a classic.

This plugin recreates the same specs of the original gear, in particular it offers the same proportional Q, which means that there is no adjustable Q control: so small cuts or boost have a very broad Q and greater cuts or boost have a narrower one. You can adjust the gain of each fixed frequency (from -8dB to +8dB) according to your needs.

As in the original machine, also in Rust you will find an interesting peculiarity: the interdependence between bands.

The plugin is in fact characterised by the interaction of adjacent bands. Namely, the gain of any band is influenced by the two nearest bands: whenever both of them are set at their maximum value, then the gain of the central band is slightly reduced.



## 2. Operation

Below we will immerse ourselves into the explanation of the Rust plugin controls.



### 2.1 Controls

#### 1-Frequency bands

7 different highly musical EQ bands with fixed frequencies and variable gain (from -8dB to +8dB): 50Hz, 130Hz, 320Hz, 800Hz, 2000Hz, 5000Hz, 12500Hz.

#### 2-Input Trim

This sets the input level from -24dB to +24dB, and is used to control the signal level inside the Eq, the output level is then automatically compensated by the same amount of gain. At first execution of the plugin, set the input to ensure that you feed an appropriate level from the first stage of your signal path to the final one.

#### 3-Output

This knob is an output gain control ranging from -24dB to +24dB.

#### 4-Preamp ON/OFF/4x

This switch Activates/Bypasses the preamp section and the 4x step, which changes the quality with which the plugin will process the signal (increasing the sampling frequency of the preamp), using oversampling (4x High).

#### 5-Equaliser ON/OFF

This switch Activates/Bypasses the EQ section.

#### 6-L-R/MID/SIDE switch

This three-step switch allows you to select between 3 modes of operation: Classic Stereo (L-R), Mid or Side.

-Left/Right processing is enabled by selecting the L-R step (the default processing mode).

When it is enabled, the input signal to the plugin is split into two processing channels, Left & Right. The signal is 'summed' back to Stereo at the plugin's output.

-MID processing is enabled by selecting the M step, EQ processing is applied to the center of your soundstage.

-SIDE processing is enabled by selecting the S step, EQ processing is applied to the edges of your soundstage.

NOTE: MID and SIDE buttons are mutually exclusive, this doesn't allow you to make changes to both the Mid and Side channels at the same time.

#### 7-SIZE drop-down menu

This menu adjusts the whole plugin-GUI size (1x,1.5x,2x). Select the desired resizing format from the drop-down menu. Close the plugin and re-open it in you DAW to finalize the operation.

#### 8-Presets menu

Click on this button to select and load a preset from the drop-down menu.

## *3. How to download, install, and authorize your products*

Acustica Audio products can be downloaded, installed, and authorized using the Aquarius Desktop application. The Aquarius Desktop application is a free standalone application that will manage every step in an automatic way without user intervention.

Download Aquarius Desktop Application: [www.acustica-audio.com/pages/aquarius](http://www.acustica-audio.com/pages/aquarius)

### **3.1 How to download a product in aquarius desktop application**

To download a product using the Aquarius Desktop application go to the purchase page and select the product and format (VST, VST3, AAX, AU) to install. In case you can't find your product on the purchase page use the search page.

### **3.2 How to install a product in Aquarius desktop application**

The installation is done automatically by the Aquarius Desktop application after the download. As the Aquarius Desktop application creates a temporary file of the downloaded products, known as the stage area, at the moment you want to reinstall a product it will not be necessary to download it again.

### **3.3 How to authorize a product in Aquarius desktop application**

The authorization is done automatically by the Aquarius Desktop application after the product installation. You can manage your authorizations using the Aquarius Web Service.

### **3.4 Click [HERE](#) for a complete installation user guide.**

## *4. System Requirements*

Modern computers are powerful enough to run many plugins at once. However, our technology requires more resources than algorithm-based software, so we recommend optimizing your system to work with high CPU loads and low audio latency.

Before starting the installation process, please confirm that your system meets the minimum system requirements to run the plugins please consult the following link:

<https://app.box.com/v/AASYSTEMREQUIREMENTS>

## *5. Customer Care*

### **5.1 Contact Point**

To contact Acustica Audio, always use the single point of contact, which is this help-desk portal: <https://acusticaudio.freshdesk.com/>

We do not provide official assistance via social networks, public forums, or email accounts. For troubleshooting and issue reporting, check the available solutions in the knowledge base.

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