

DeeQ

v1.5.0



DeeQ is a single band mid/side dynamic EQ. With DeeQ you can not only set the band's frequency, Q, and gain, but you can also modulate them using the incoming audio or an external sidechain, and set the band to operate in mid/side or stereo mode.

This opens up a world of opportunity, such as lowering the bass frequencies when the kick drum plays, making space for vocals to shine through, and reducing the stereo width of a bassline when a mono kick plays.

Installing DeeQ

To install DeeQ on **Mac** or **Windows**, simply run the installer and follow the instructions. Once installed, DeeQ will be ready to use the next time you open your DAW.

To install the plugin on **Linux**, simply extract the files and run the install.sh script. In your Terminal app, run the following commands:

```
cd ~/Downloads Change to your Downloads folder
mkdir tempinstaller Create a temporary folder to extract to
tar -C tempinstaller -zxvf PLUGIN.tar.gz Extract the bundle
bash tempinstaller/install.sh Run the installer script
rm -R tempinstaller/ Clean up the temp folder
```

DeeQ requires the following system specifications:

Windows

- Windows 8/10
- 64-bit VST/VST3/AAX
Compatible DAW

Mac OSX

- MacOS 10.9+
- 64-bit VST/VST3/AAX/AU
Compatible DAW
- Intel or M1 Processor

Ubuntu

- Ubuntu 18.04+
- 64-bit VST/VST3
Compatible DAW

Registering DeeQ

The plugin will run in demo mode until a licence is entered and the software is restarted. In demo mode the plugin will not recall the state from a saved track, it will timeout after 30 minutes, and the saving of presets is unavailable. After you have purchased a licence, you will need to register the plugin, which will unlock the full, unrestricted version of the software. Any tracks you have saved with the demo version will now recall correctly.

Click the padlock icon in the top bar area of the plugin window. A window will display where you can enter your licence from the Venomode website user area. After you have entered your licence, the full version will unlock the next time you open your DAW. Ensure your licence exactly matches what is shown in the website. For convenience, you can click your licence in the website to copy it to your clipboard, and then paste it into the plugin. Your licence is the long string of text containing your name, email, and unique code, separated by three colons (:::).

Using DeeQ

The image shows the DeeQ software interface. At the top, there's a header with the name 'DeeQ', a patch selector set to 'Initial Patch', and several utility icons. Below this is a frequency response graph with a logarithmic x-axis (20Hz to 20kHz) and a linear y-axis (-18 to 18). A blue curve shows a peak at approximately 300Hz and another at 3kHz. A red box with the number '3' is placed above the first peak. Below the graph are two main control panels. The 'Modulator' panel (labeled '2') includes knobs for Attack (36 ms), Release (364 ms), and Mod Gain (0.0 dB), buttons for EQ and Sidechain, a Preview button, and knobs for Freq (971 Hz), Q (0.707), and Gain (0.0 dB). The 'Filter' panel (labeled '1') includes knobs for Freq (2959 Hz), Q (2.908), and Gain (0.0 dB), a row of seven filter shape buttons (low pass, high pass, low shelf, high shelf, peak, notch, band pass), buttons for Mid, Side, All, L, and R, a 'Modulate' section with buttons for Freq, Q, Gain, and Inverse, and knobs for Minimum (10.8%) and Output (0.0 dB). A red box with the number '4' is located in the top right corner of the interface.

1. Filter Section

The filter section is where you design your filter. You can choose from 7 filter shapes by clicking the corresponding button - low pass, high pass, low shelf, high shelf, peak, notch and band pass. You can set the cutoff frequency from 20 Hz to 20kHz. The Q value can be set from 0.1 to 15, and adjusts the resonance or bandwidth of the filter.

The gain parameter adjusts the amount of gain the filter applies for high shelf, low shelf, and peak filters. Gain is unavailable for low and high pass, notch, and band pass.

The modulation choices are Frequency, Q and Gain. By default the filter will modulate from the lowest value to the filter's set value. For example, the frequency will modulate from 20Hz to the filter value, the Q from 0.1, and the gain from 0dB.

You can adjust the minimum value by changing the minimum % slider. For example, if the filter's frequency is set to 5000Hz and the minimum as set at 50%, the lowest value the filter will be is 2510Hz when there is no modulation (halfway between 20Hz and 5000Hz). Setting the minimum slider to the full 100% will disable any modulation and operate as a normal, static single band EQ.

You can invert the modulation by clicking the Inverse button. When active, the filter will rest at the maximum value as set in the filter, and will reduce to the minimum when modulation is applied.

The output slider lets you set a make-up gain to compensate for the effects of the filter.

2. Modulation Section

The modulation section is split into 2 halves - the envelope follower and an EQ section. The attack and release parameters let you set the speed that the filter modulates relative to the incoming signal. The mod gain slider lets you boost or attenuate the incoming signal to adjust the modulator's level.

You can apply an EQ to the modulator signal by clicking the EQ button. When activated, the modulator will be filtered using the settings from the lower half. This works in the same fashion as the filter section above. You can use this to only modulate when bass frequencies are playing for example.

Alternatively, you can use a sidechain signal as the modulation source. Routing the sidechain signal is dependant on your DAW. When activated, the sidechain signal (instead of the incoming signal), runs through both the envelope follower and the EQ section.

3. Filter Graph

The filter graph shows the current state of the filter. The dark grey line shows the value that is set by the filter section (what the filter shape will be at full modulation) and the orange line shows the value of the modulated filter (i.e. what is currently being applied to the signal). The lines represent the gain applied for a particular frequency.

The X axis shows the frequency from 20Hz to 20kHz. The Y axis shows gain in decibels, from -18dB to 18dB.

4. Top Bar

The top bar is where you can manage the plugin. The middle section shows the currently selected preset, and if you open this list you can choose from all the factory and user presets. Clicking on the left and right arrow icons manually cycles to the previous or next preset. The save icon will open a window where you can save the current state of the plugin as a custom preset. Enter your preset name in this window and click save.

You can view this manual at any time by clicking the question mark button.

The padlock icon will open the registration window. Enter your licence code exactly as shown in your Venomode user area and click "Register". You can simply click the licence in your Venomode account to copy it to your clipboard. See the registering DeeQ section for more info.

The cog icon will open a settings window where you can alter the GPU acceleration settings, GUI scale and theme. The update icon is two arrows in a circle. This button will activate when a new version is available for download.

The top right icon with a power button symbol will enable or disable the plugin.

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