

QUASAR-106

Analog Color Filter + Chorus **User Manual**

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Download and Installation

The screenshot shows the 'My Account' page with two main sections: 'Login' and 'Register'. The 'Login' section has fields for 'Email or username*' and 'Password*', a 'Log In' button, and a 'Remember me' checkbox. The 'Register' section has fields for 'First name*', 'Last name*', 'Email address*', and 'Password*', a 'Register' button, and a checkbox for 'I agree to the Terms of Service'. There is also a 'Forgot your password?' link in the 'Login' section.

Create a MNTRA Account

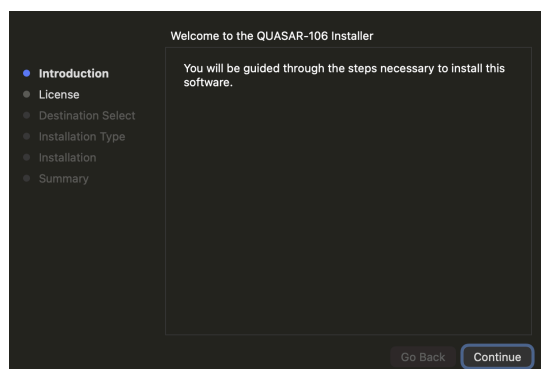
Go to the MNTRA account page and create a new account if you do not already have one. Verify your email address before opening QUASAR-106 for the first time so the plugin can activate correctly.

Download QUASAR-106

Purchase or download QUASAR-106 from the MNTRA website:

<https://www.mntra.io/product/quasar-106/>

A download link will be sent by email after purchase. *If you purchased through Beatport or Muse, you will need to register through their systems and use the installers they provide



Run the Installer

Run the QUASAR-106 installer for your operating system continue through the installation process. We recommend leaving the installation paths at their default locations unless your DAW requires a custom plugin folder.

After installation, open your DAW and rescan plugins if QUASAR-106 does not appear automatically. Add QUASAR-106 as an audio effect on an audio track, instrument track, bus, or return track.

First Launch and Activation

When QUASAR-106 opens for the first time, it prompts you to continue with your MNTRA account. Enter your MNTRA account credentials and wait while QUASAR-106 verifies access.

After signing in, QUASAR-106 will open the Activate License page. Enter your serial number or license key, then click Activate. If the license is already linked to your MNTRA account but has not been detected yet, click Re-Sync License.

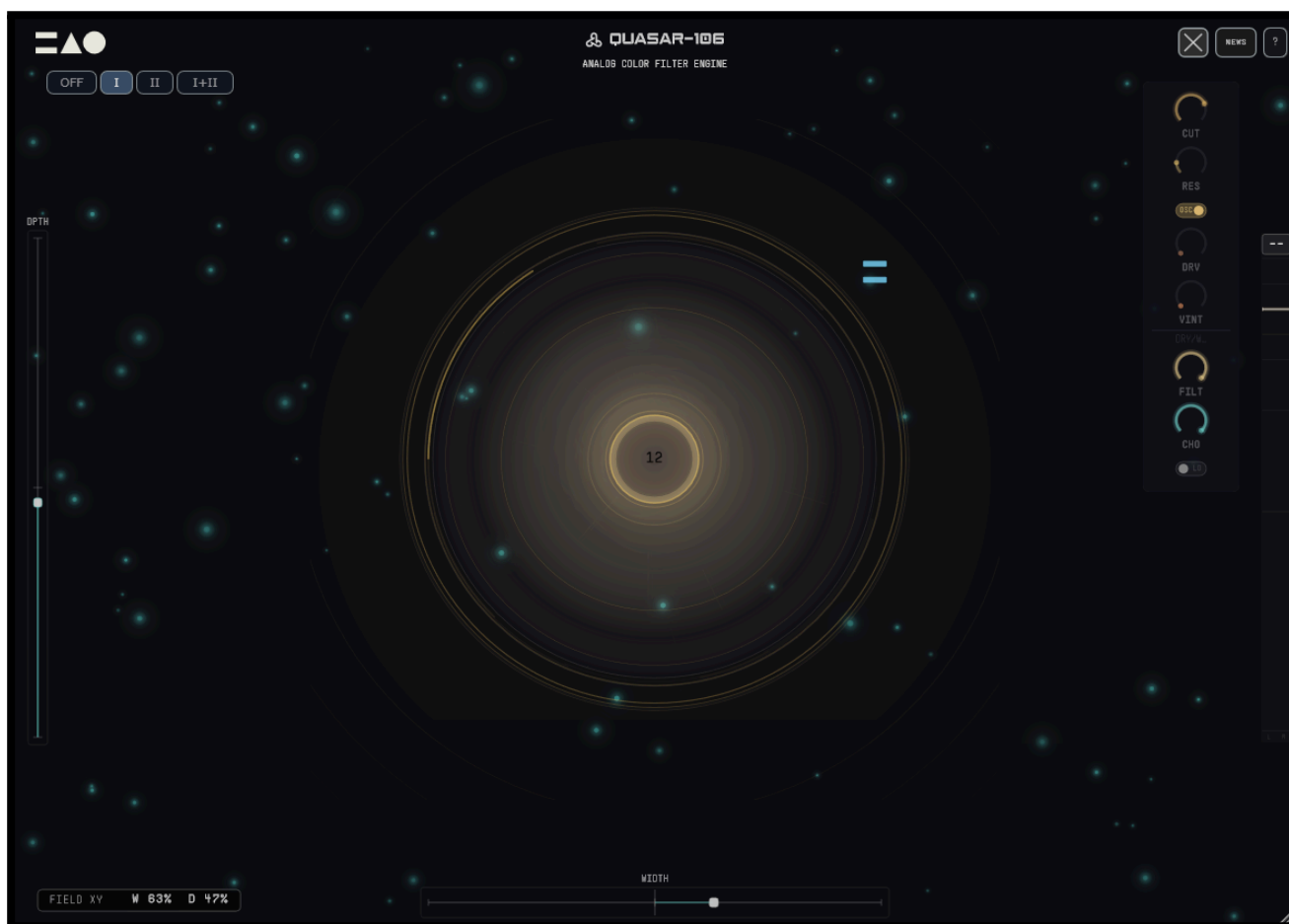
After activation, QUASAR-106 stores a local, system-linked license. If the saved MNTRA account session cannot be read, does not match the current machine or user profile, QUASAR-106 may ask you to sign in again while online and re-sync the license.

Only the **initial account verification** requires an internet connection. QUASAR-106 also includes Offline Mode for already authorized systems.




Signing out clears the local QUASAR-106 login. The plugin will mute until you sign in again.

QUASAR-106 Overview

QUASAR-106 is an Analog-color filter with Chorus voicing, vintage character, and tactile XY controls. It is inspired by the classic Juno-106 chorus circuit and combines filter sweeps, stereo chorus motion, analog saturation, and performance-focused macro control in a compact interface.

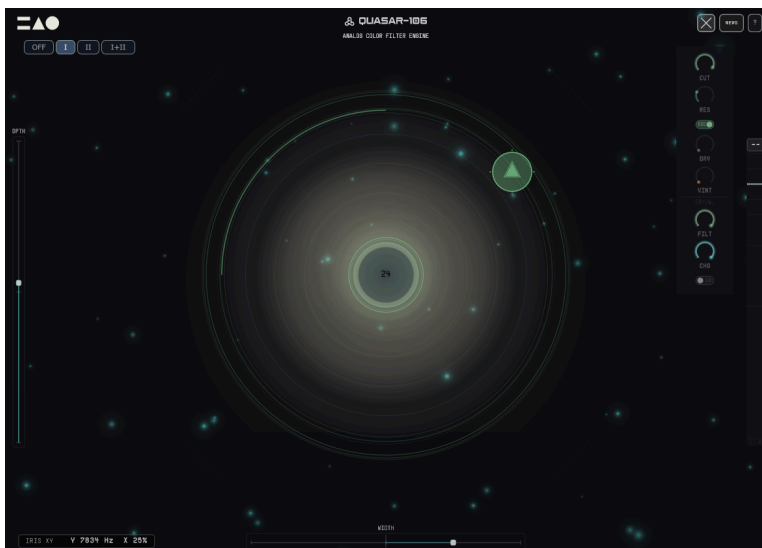


The plugin is designed around two main performance surfaces plus a central filter-slope toggle:

Area	Up / Down	Left / Right
Iris / Triangle 	Filter Cutoff	Resonance
Field / Bars 	Chorus Depth	Stereo Width
Center Circle 	Click / Toggle	Filter Slope: 12 dB / 24 dB


Every main & other parameter can be automated in your DAW, including the iris, field, advanced knobs, chorus mode, filter slope, mixes, and output gain.

Perform View




The Perform View is the main QUASAR-106 interface. It uses visual controls instead of a conventional row of knobs so that filter and chorus movement can be played by ear.


-  Iris Control
-  Filter Slope Toggle
-  Field Control

Iris Control  - The iris is the central filter performance area. Drag the triangle cursor on the iris ring: Use the iris for classic filter sweeps, resonant movement, and real-time tone shaping. Higher resonance can cause the filter to ring or sing, especially when self-oscillation is enabled.

Motion	Result
Up / Down	Sweeps filter cutoff
Left / Right	Adds or reduces resonance

Filter Slope Toggle  - The circle cursor at the center of the iris toggles the filter slope: Use 12 dB mode for smooth tone shaping and 24 dB mode for deeper, more dramatic sweeps.

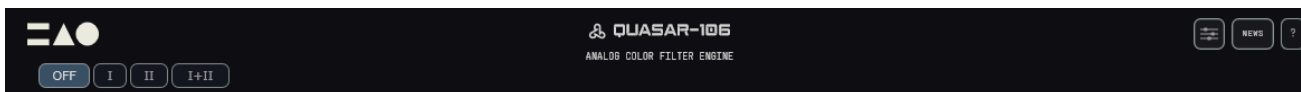
Mode	Character
12 dB	Gentler, more open, more gradual filtering
24 dB	Steeper, stronger, more focused filtering

Field Control  - The field is the area behind the iris and controls the **Chorus** engine. Drag the field: The Depth and Width sliders mirror these axes. **Chorus depth** is active only when **Chorus Mode** is set to **I**, **II**, or **I+II**.

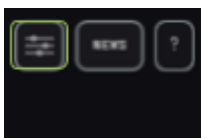
Motion	Result
Up / Down	Changes chorus depth
Left / Right	Changes stereo width

Top Bar Controls

The top bar gives quick access to external MNTRA resources, product updates, and built-in help.

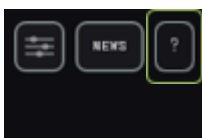
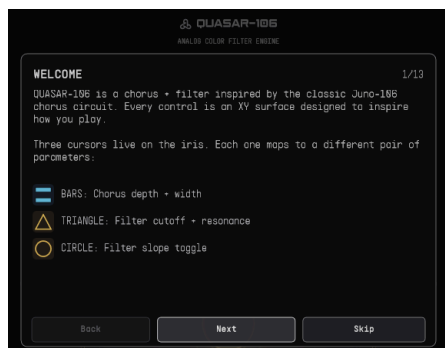


The MNTRA logo in the top left corner opens mntra.io in your default web browser when clicked. On the top right corner, QUASAR-106 includes Advanced Controls, NEWS & “?” utility buttons

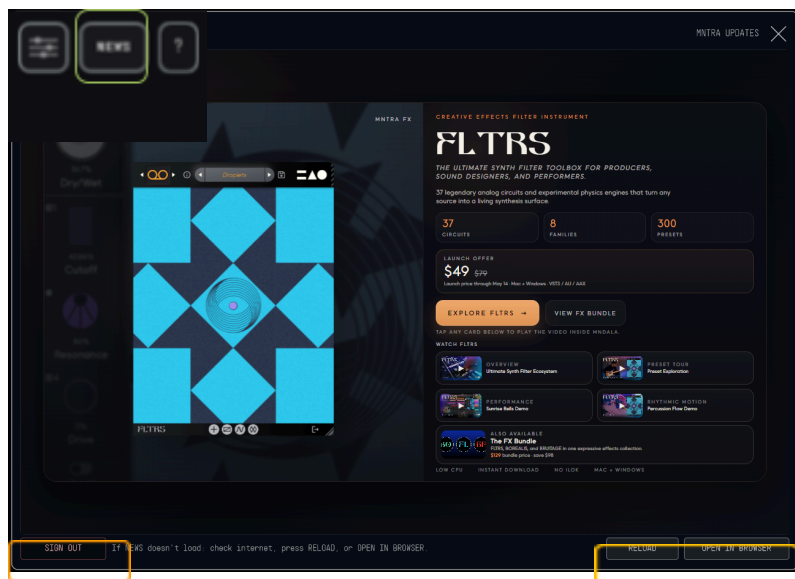


"Settings" - Opens the advanced panel.

The panel exposes CUT, RES, DRV, VINT, FILT, and CHO controls for exact editing.



"?" - Opens the built-in help/tutorial overlay for the interface, including guidance for the iris, field, chorus controls, output rail, NEWS, Low Motion, and OSC.



"NEWS" - Opens the MNTRA Updates area for QUASAR-106 news, releases, tips, and related resources.

This page also provides account access, including Sign out.

If NEWS is offline or the in-plugin view cannot be displayed, use Reload or Open in Browser.

Advance Controls

The QUASAR-106 filter engine is built for warm Juno-style sweeps with modern control. It responds well to automation, live movement, and subtle saturation.



CUT - Cutoff sets the frequency where the filter begins shaping the signal. Lower cutoff values darken the sound. Higher values open the filter and allow more high-frequency content through.

RES - Resonance emphasizes the cutoff frequency. Low values create smooth filtering. Higher values create a sharper peak, which can add presence, bite, pitch-like ringing, or self-oscillating character.

OSC - QUASAR-106 includes an OSC-style control associated with self-oscillation behavior. When enabled, high resonance settings can ring or sing more strongly.

DRV - Drive adds harmonic grit and analog-style saturation before or within the filter character. Use small amounts for warmth and larger amounts for a more aggressive sweep.

VINT - Vintage introduces analog warmth by modeling component behavior. Increase it when you want a more aged, less clinical response.

FILT - Filter Mix controls the dry/wet blend for the filtered signal. Full wet gives the processed filter tone; lower values blend in more dry signal.

CHO - Chorus Mix controls the dry/wet blend for the chorus effect.

LO - Low Motion switches to a lighter graphics mode for older or busy machines. It does not change the sound; Toggle it on if the interface animation feels heavy, then switch it back off unless your machine needs it.

Chorus Engine

The chorus section gives QUASAR-106 its animated stereo motion. It is inspired by the classic Juno-106 chorus circuit while adding more direct performance control over depth, width, mix, and mode.



Chorus Mode

Select a chorus voice:

Mode	Description
Off	Chorus is bypassed
I	Faster chorus movement
II	Slower LFO movement
I+II	Combined dual chorus motion

Turn on I, II, or I+II before adjusting Chorus Depth. If Chorus Mode is Off, the depth control will not produce chorus movement.

Chorus Depth

Depth controls the strength of the chorus modulation. Lower values create subtle thickening. Higher values create wider movement, shimmer, and more obvious pitch modulation.

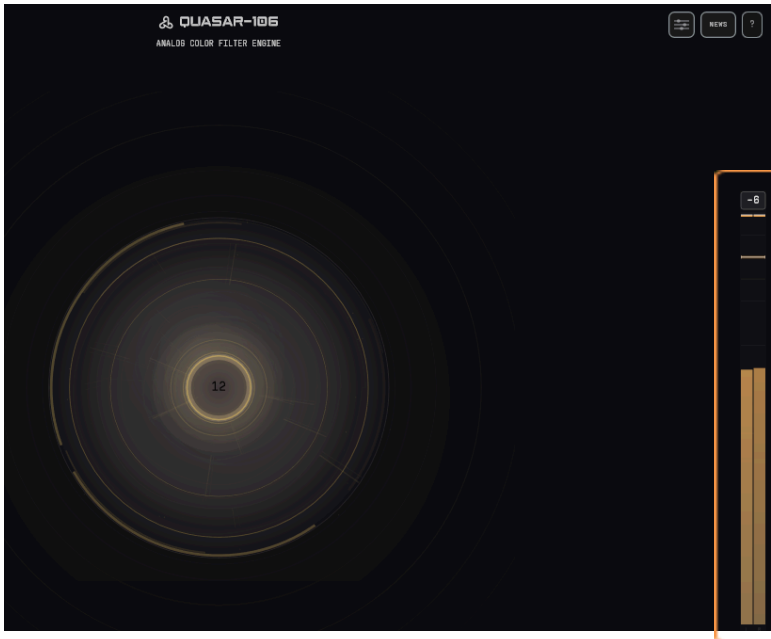
Stereo Width

Stereo Width controls the spread of the chorus image. Its range moves from mono, through unity, to wide. Use moderate width for mix stability and higher width for larger stereo textures.

Chorus Mix

Chorus Mix blends the chorus effect with the incoming signal. Pull it back for a natural thickening effect or increase it for a more obviously processed chorus texture.

Output and Monitoring



The Output Rail controls the final output level of QUASAR-106 and also functions as a real-time output meter. Drag the rail up or down to adjust output volume after the filter and chorus stages.

The meter displays the current output level and provides quick visual feedback when Drive, Resonance, Chorus Width, or wet mixes increase the signal level. Use it to monitor peaks and avoid clipping while matching processed and bypassed loudness.

Automation

Every major QUASAR-106 parameter can be automated in a DAW. Automate the iris for filter sweeps, the field for evolving chorus motion, and the advanced controls for detailed transitions.

Automatable Parameter Reference

Parameter	Category	Use
Bypass	Global	Turns the effect on or off
Cutoff	Filter	Sweeps brightness and tonal focus
Resonance	Filter	Adds emphasis, bite, ringing, or self-oscillating character
24dB Mode	Filter	Switches between gentler and steeper filter slopes
OSC	Filter	Controls self-oscillation behavior
Drive	Filter	Adds harmonic grit and saturation
Filter Mix	Filter	Blends dry and filtered signal
Chorus Mode	Chorus	Selects Off, I, II, or I+II chorus behavior
Chorus Depth	Chorus	Controls modulation intensity
Stereo Width	Chorus	Controls stereo spread
Chorus Mix	Chorus	Blends dry and chorus signal
Vintage	Character	Adds analog-style warmth and component behavior
Output Gain	Output	Adjusts final output level

System Requirements

The Windows 1.0.0 installer provides QUASAR-106 as a 64-bit VST3 audio effect.

Requirement	Minimum
Operating system	Windows 10 or newer
Plugin format	64-bit VST3 host
DAW	Any major DAW with VST3 effect support
Internet	Required for download and initial MNTRA account activation
Disk space	Allow at least 250 MB free space
Memory	8 GB RAM minimum recommended

Glossary

Term	Meaning
Cutoff	The frequency where the filter begins shaping the signal
Resonance	Emphasis around the cutoff frequency
12 dB slope	A gentler two-pole style filter response
24 dB slope	A steeper four-pole style filter response
Drive	Saturation that adds harmonic grit and level-dependent character
Vintage	Analog-style warmth, drift, and component behavior
Chorus	A modulation effect that thickens sound by mixing delayed, pitch-modulated copies with the original
Chorus Mode I	Faster chorus movement
Chorus Mode II	Slower chorus movement
I+II	Combined dual chorus mode
Stereo Width	The perceived left-right spread of the processed signal
Filter Mix	Dry/wet blend for the filter section
Chorus Mix	Dry/wet blend for the chorus section
Self-oscillation	Resonance high enough for the filter to produce a ringing tone
Automation	DAW-controlled parameter movement over time

FAQ - Frequently Asked Questions

What is QUASAR-106?

QUASAR-106 is an analog-color filter and chorus effect inspired by the Juno-106 chorus circuit. It combines tactile XY control, resonant filtering, stereo chorus, drive, vintage color, and DAW automation.

Is QUASAR-106 an instrument or an effect?

QUASAR-106 is an audio effect. Insert it on an audio track, instrument track, bus, or return track.

Where is the plugin installed on Computer?

By default, the plugin is installed at:

Windows - C:\Program Files\Common Files\VST3\QUASAR-106.vst3

Why do I not hear chorus depth changes?

Turn on Chorus Mode first. Select I, II, or I+II, then adjust Depth, Width, and Chorus Mix.

What is the difference between Chorus Mode I and II?

Mode I uses faster chorus movement. Mode II uses slower LFO movement. I+II combines both voices for a wider dual-chorus texture.

What does the center circle do?

The center circle toggles the filter between gentler 12 dB behavior and steeper 24 dB behavior.

What does the triangle control?

The triangle controls the filter. Drag up and down for Cutoff. Drag left and right for Resonance.

What does the field behind the iris control?

The field controls chorus movement. Drag up and down for Chorus Depth. Drag left and right for Stereo Width.

Can I automate QUASAR-106?

Yes. QUASAR-106 exposes its major parameters to the DAW, including Cutoff, Resonance, 24dB Mode, Drive, Filter Mix, Chorus Mode, Chorus Depth, Stereo Width, Chorus Mix, Vintage, Bypass, Pitch Magnet / OSC, and Output Gain.

Does QUASAR-106 require a dongle?

No dongle is required. QUASAR-106 uses MNTRA account activation and a local system-linked license.

What should I do if the plugin is silent?

Check that you are signed in, the plugin is authorized, Bypass is off, Filter Mix and Chorus Mix are set appropriately, and Output Gain is not turned down. If you recently signed out, sign in again.

What should I do if my DAW does not show QUASAR-106?

Rescan VST3 plugins in your DAW. Confirm that QUASAR-106.vst3 exists in the common VST3 folder, then restart the DAW if needed.

Contact Support

For support, contact: support@mntra.io

For tutorials, updates, and resources, use the MNTRA updates area inside the plugin or visit: www.mntra.io