



# Modul8

## Bi-Mode Chorus

## INSTALLATION

The package should contain the following files:

<i>Modul8 (no GUI).dll</i>	– 32bit GUI-less version
<i>Modul8.dll</i>	– 32bit version with GUI
<i>Modul8 (no GUI) x64.dll</i>	– 64bit GUI-less version
<i>Modul8 x64.dll</i>	– 64bit version with GUI
<i>Modul8_manual.pdf</i>	– manual (this file)

To install the plug-in, copy the DLL files of the version(s) you wish to use to the respective VST plug-in folders. Tested with Cubase 5.1 (32-bit) and Cakewalk 2019 (64-bit). In order for the plug-in to work correctly in Cakewalk, enable the "Configure as tempo-based effect" option in Utilities > Cakewalk Plug-in Manager > VST Audio Effects (VST) > Plug-in Properties.

## CREDITS

Modul8 uses biquad algorithms by Robert Bristow-Johnson as found in "*Cookbook formulae for audio EQ biquad filter coefficients*", 2005 [1].

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[1] <https://www.musicdsp.org/en/latest/Filters/197-rbj-audio-eq-cookbook.html>

## DESCRIPTION AND GENERAL USAGE

Modul8 is inspired by multiple Japanese stomp-boxes, known for their unique sound and approach to modulation. Click and drag the knobs vertically or horizontally to increase or decrease their value. Alternatively, use keyboard arrows to increase their value by one tick, and Shift+arrow to increase their value by one tenth of a tick. Ctrl-click the knobs to reset them to their default values.

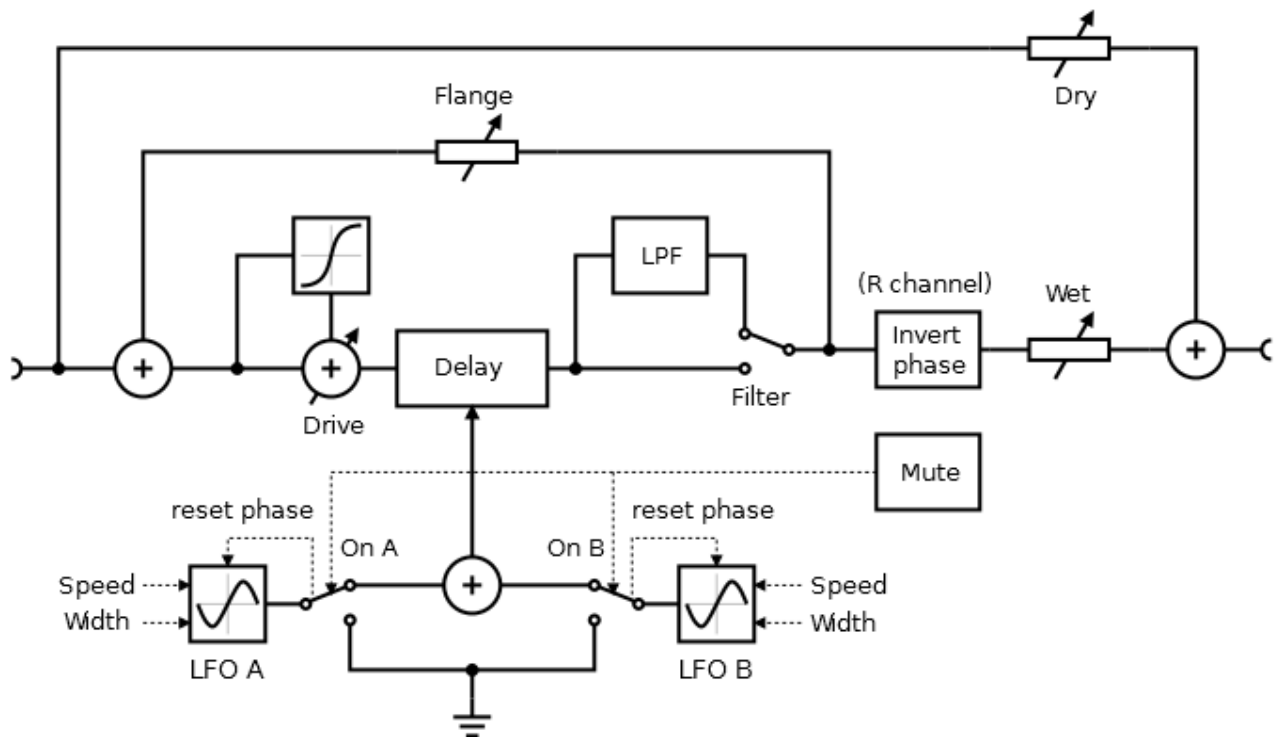


Figure 1.

## CONTROLS



Figure 2. - GUI (default settings)

- 1) **Speed:** Turning these controls clockwise increases the modulation speed of LFO A and B.
- 2) **Width:** Turning these knobs clockwise increases the modulation width of LFO A and B .
- 3) **On:** When engaged, respective LFO is running. LFO resets with each switching on.
- 4) **Flange:** Turning this knob clockwise increases the feedback and introduces flanging effects.
- 5) **Drive:** This control affect the amount of saturation drive applied to the modulated sound.
- 6) **Wet:** Adjusts the level of modulated signal.
- 7) **Dry:** Adjusts the level of dry signal.
- 8) **Filter:** Turns the feedback LP filter on and off.
- 9) **Phase:** Inverts the phase of modulated signal on the R channel, which creates wider perceived stereo image. This control has no effect when the plug-in is inserted on a mono

track. *Note:* Use this feature only if you don't mind that the modulated sound might completely cancel out when the project is played back in mono.

- 10) **LFO:** While you hold this control both LFOs are bypassed. They are restarted from the start of their cycles as soon as you release the button. Play with this button to keep the LFOs in "sync" with tempo or to create complex rhythmic patterns.