

Fjærlett Input mod

The input mod gives you the opportunity to use Fjærlett as a spring reverb effect. It features dry and wet controls and the possibility to shape the wet signal with the graphic equalizer. The mod adds an input jack, an effect mode switch and two pots for the dry and wet signal.

Controls

The input mod adds these controls:

- **Wet knob** controls the volume of the wet signal when in Effect mode.
- **Dry knob** controls the volume of the dry signal when in Effect mode
- **Mode Switch**
 - In downwards position: Puts Fjærlett in *Instrument mode*.
 - In upwards position: Puts Fjærlett in *Effect mode*.

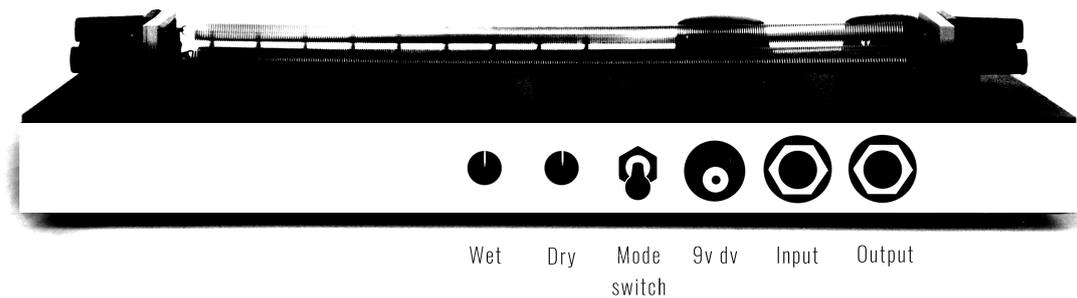


Figure 1: Back panel layout.

Modes

Instrument mode

The instrument functions as normal. The output level of the unit is controlled by the main volume knob. In *Instrument mode* the output of the springs is sent to the output of the unit, see figure 2. The output signal is not affected by the graphic equalizer. You can run an input signal into Fjærlett while in *Instrument mode* and it will play through the springs, but you can not blend in the dry signal.

Effect mode

The instrument functions as an effect unit. The output level of the unit is controlled by the *Dry* and *Wet* knobs. The main volume knob has no effect on the output level. In contrast to *Instrument mode*, where the output of the springs is sent to the output of the unit, in *Effect mode* the output of the springs is sent through the graphic equalizer before it is sent to the *Wet* knob. This means you can shape the wet signal with the equalizer, see (figure 3). You can still use the feedback functionality in *Effect mode*, but note that the signal may distort more easily.

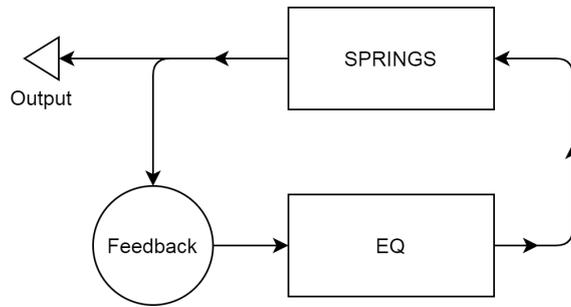


Figure 2: Signal flow in *Instrument mode*. The output of the springs is sent to the output of the unit.

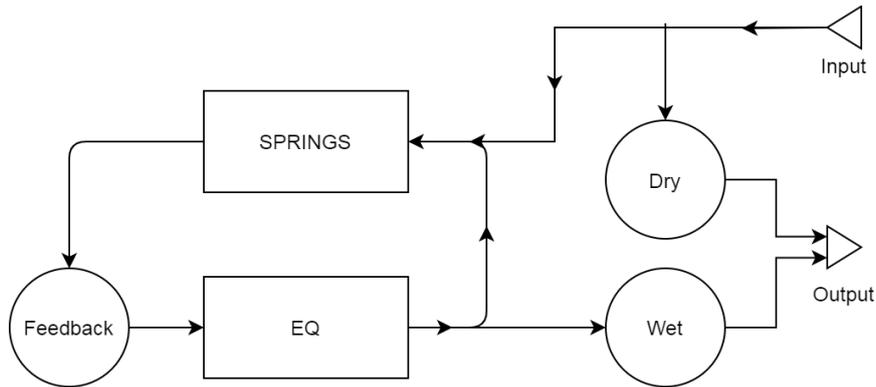


Figure 3: Signal flow in *Effect mode*. The wet signal can be shaped by the graphic eq.

Please note

The Fjærlett circuit was not initially designed as an effect, so this solution is a bit of a hack and comes with some quirks. In Effect mode a faint dry signal will always be present. However, this signal is so faint that you will still be able to use Fjærlett as a send effect if you turn the wet all the way up. The input circuit struggles with lower signal levels in combination with high impedance instruments, like electric guitar, but works fine with synth level signal. If you want to use Fjærlett with guitar I suggest you use a boost or preamp pedal before going into Fjærlett. Feedback on a spring reverb does not work like feedback on modern delay or reverb effects. It is not possible to create long lush reverbs.