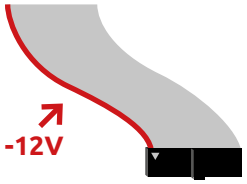
SPRING REVERB

USER MANUAL

3FACO

Thanks for your Befaco purchase! Before you plug this module in...

1. **Disconnect your cabinet from mains**.
2. **Triple check the power cord polarity**. The colored line on the cable (pin number one) is the -12V rail.
3. If you plug the module backwards you might burn it and, unfortunately this is not covered by the warranty.
4. If you have any questions about this product please send them to: befacosynth@gmail.com



Introduction

Thanks for choosing Befaco's spring reverb module.
This is a versatile implementation to drive a spring tank. It has two voltage controlled inputs, one routed straight to the tank and another to dry/wet and tank. Voltage control of the MIX is also possible.
It has two outputs. MIX (IN1+Reverb tank output) and WET (just reverb out) output. With this we get a flexible topology that allows external feedbacks, control the amount of signal getting into the tank or use the input VCAs to control the mix of signals in the tank.

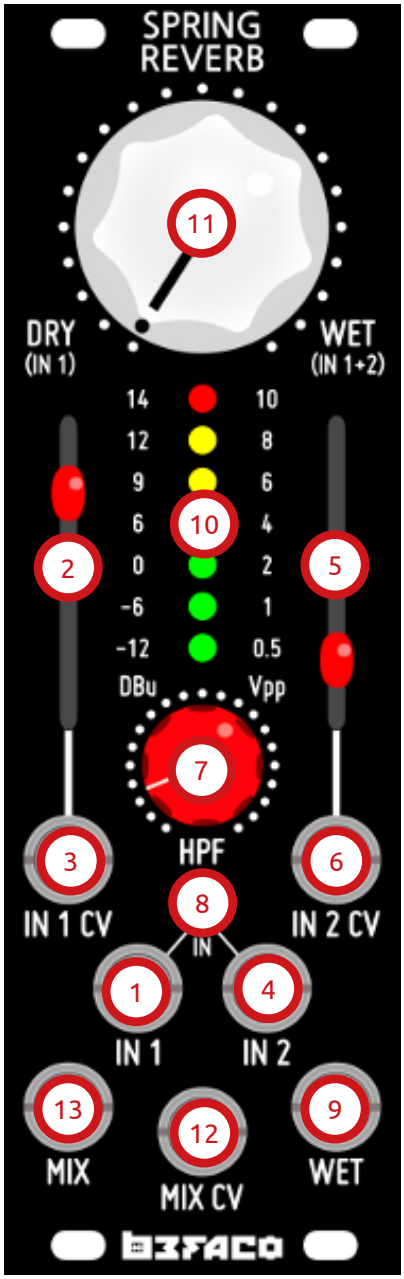
The sliders and LED metters, both at the input and output of the tank, provide a direct visual feedback of the signal levels. Allowing a high control and optimum utilisation of the reverb tank.

Connecting the module

ALWAYS MAKE THE CONNECTIONS WITH THE SYNTH SWITCHED OFF!
You could damage your module otherwise.

RCA connectors must be plugged as follows:
IN from the module to OUT on the tank.
OUT from the module to IN on the tank.

In/Out reference



1. IN1
This input signal is sent both to the mix and reverb tank. The amount of signal sent to the tank is controlled by Slider_IN1

2. IN1 SLIDER
VCA level of IN1. Controls the amount of signal sent to the tank. When a CV is present at IN1_CV this slider acts as an attenuator of this signal.

3. IN1 CV
CV control for the VCA at input 1.

4. IN2
This input signal is sent straight to the reverb tank. The amount of signal sent is controlled by Slider_IN2

5. VCA LEVEL OF IN2
Controls the amount of signal sent to the tank. When a CV is present at IN2_CV this slider acts as an attenuator of this signal.

6. IN2 CV
CV control for the VCA at input 2.

7. HPF
The audio going to the tank passes thru a High pass filter. This potentiometer controls cutoff of the filter. At minimum setup there is no filtering.
Its purpose is to avoid saturating the tank with low frequencies.

8. PEAK METER
Shows the amount of signal fed to the tank. Green shows optimum level, orange high amplitude and red shows saturation of the tank.

9. WET
Direct output from the Reverb Tank

10. VU METER
Level of the audio signal getting out of the tank. It's advisable to keep this level below red to avoid saturation.

11. DRY WET POT
A classic DRY/WET control. It's the mix between signal present in IN1 and the output of the tank.

12. MIX CV
CV control for the DRY/WET pot. This signal is added to the setup of the potentiometer.

13. MIX
Audio output of the mix.

Block diagram