

Jungletronics Audio

AS-2 Spring Reverb

Analog Spring Reverb & Multimode Filter

By combining an analog multimode filter and a spring reverb amplifier, the AS-2 Analog Spring reverb will get you the unique spring reverb sound that you are looking for.

Mounted in a 19inch rack, the multimode filter lets you shape the input signal in various ways, low pass, band pass and high pass, while the center frequency is either controlled manually, by the internal LFO oscillator or by the input signal envelope . Then the reverb tank amplifier circuit will get you the magic sound of spring reverb.

User Manual

Specifications :

Input: Balanced 3 pole XLR, 1/4" TRS Jack, (TS Jack, Unbalanced)

Imp : 600Ω

Output: Balanced 3 pole XLR

Imp : 10kΩ

Power Supply: 220-240 VAC, 50-60 Hz, IEC Connector
(250mA Fused)

(Also available in 115V)

Dimensions (HxWxD): 45 x 483 x 200 mm (3,8 Kg)

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The standard version of this unit include an outboard reverb tank connected through an RCA cable. The RCA and AC power cables are also included.

Inboard mounted tank reverb can be made on demand, please, get in touch with the Jungletronics Audio team. In this case a special care is given by shielding the tank from electromagnetic fields inside the unit.

The classic outboard mounted version of this reverb allow you to quickly change between various tank. But also, in a studio configuration, to place the tank anywhere in your room to get the best possible noise performance from the tank. Or even to tickle the springs, for their typical sound effect.

For best performance and signal to noise ratio this unit must be connected through balanced audio connections of line level standard impedances.

Please use only the provided RCA cable to connect your tank or one with a minimal section of 26 AWG, ideally a 24 AWG high quality shielded cable.

For safety issue and best performance the power connection must be earthed.

⚠ Reverb tanks are extremelly sensitive to electromagnetic fields. ⚠

To avoid hum and get the best noise performance, it is essential to place your reverb tank away from high power AC electronic devices, transformers and energy saving bulbs.

Various types of reverb tanks are compatible with this unit.

There are 4 main types of reverb tanks compatible with this unit. Each of them is available in either short, medium or long decay.

The table below lists all the compatible tanks.

Tank type	Decay	Reference
Type 1 Short tank with 2 springs	Short	1AB1C1B
	Medium	1AB2C1B
	Long	1AB3C1B
Type 8 Short tank with 3 springs	Short	8AB1C1B
	Medium	8AB2C1B
	Long	8AB3C1B
Type 4 Long tank with 2 springs	Short	4AB1C1B
	Medium	4AB2C1B
	Long	4AB3C1B
Type 9 Long tank with 2 springs	Short	9AB1C1B
	Medium	9AB2C1B
	Long	9AB3C1B

Typical decay time: Short = 1.2 to 2.0 sec, Medium = 1.75 to 3.0 sec, Long = 2.75 to 4.0 sec
If other tanks are used, make sure they match these impedances: Input ≈ 8Ω Output ≈ 2kΩ.

Power Switch/Indicator:

Provides Power to the Unit, the power-on led indicates that both +18V and -18V power rails are operational.

Feedback Control:

Lets you increase the feedback signal of the filter in order get higher Q factor and enhance the signal near the center frequency of the filter

Filter Mode Control:

Dry mode allows you to disable the filter and use only the reverb part of the unit. LP, BP, and HP select the Low-Pass, Band-Pass and High-Pass mode of the filter.

LFO Freq:

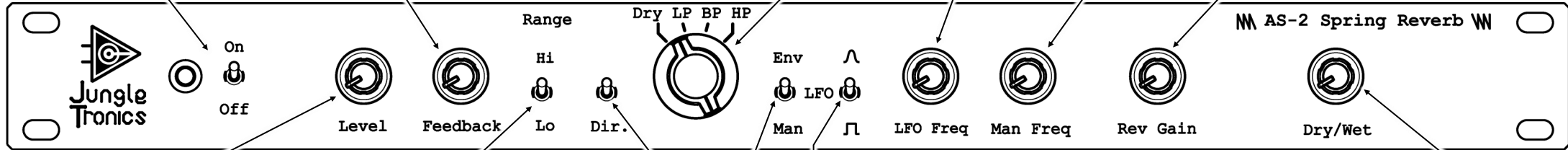
Lets you adjust the frequency of the LFO

MAN Freq:

Lets you adjust the center frequency of the filter in Man mode.

Rev Gain:

Lets you adjust the gain of the recovery amplifier of the signal produced by the reverb tank.



Input Gain:

Provides a gain up to **Db to the input signal of the filter, on which the envelope triggering is dependent.

Range Switch:

Select the frequency range of the filter, High or Low.

Dir. Switch:

Select the direction of the filter in envelope mode. From low freq to high freq or opposite.

LFO Type Switch:

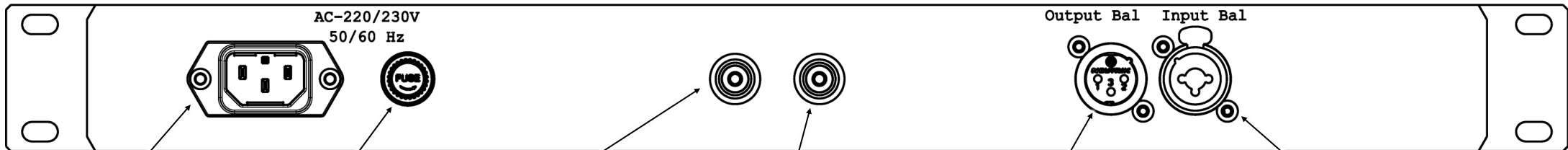
Lets you select between sinusoidal or pulse LFO signal.

Env/LFO/Man Switch:

Select the control mode of the center frequency of the filter. Env mode, the filter is controlled by the input signal level, LFO mode by the low frequency oscillator. And Man mode, by the Man Freq knob.

Dry/Wet Control:

Lets you blend between the reverberated signal and the signal from the filter. When the filter is on dry mode and this knob to his minimal setting, the signal is unchanged by the unit except by the input gain control.



AC Power Input:

220-230 V~, 50-60 Hz, IEC Connector

Fuse Holder:

This 250V ***mA Fuse protects the circuit.

Spring Tank Send:

This black RCA connector send the signal to feed the reverb tank. It has to be connected to the input of the tank, usually the white RCA connector of the tank.

Spring Tank Return:

This red RCA connector send the signal to feed the reverb tank. It has to be connected to the input of the tank, usually the red RCA connector of the tank.

General Output:

This XLR connector provides the general output signal of the unit through balanced connection a better sign/noise ratio.

General Input:

This Neutrik Combo provide balanced input with XLR and TRS Jack connector for a better sign/noise ratio. And unbalanced input with TS Jack connector.