

# SPRING 905

LEGENDARY  
CLASSIC  
MOOGISH  
SPRING  
REVERBERATION  
EFFECT

# SPRING 905 SPRING REVERBERATION FX [RACK EXTENSION] MANUAL 2020



FX device by Turn2on Software



**SPRING 905** - is a emulation of legendary and classic Spring reverberation effect with Moogish kind of sound.

In 1960th Spring reverberations were a very new part of the guitar sound. This was a cheap and creative solution to mimic studio reverberation effects available in the studios.

Spring reverberation effect based on the tank with few springs between two electrical transducers. The inputs transducer shakes the springs in response to electrical signal. The bigger the signal - the greater the movement of the springs. This signal coming by the springs and picked up by second transducer, that convert the motion into new signal that amplified and mixed with original signal.

Bob Moog realized that this technology would be available in creating space and realism for electronic music.

And this is how was born the 905™ reverberation modular unit. That was a new age of space sounds into electronic music.

In original module, only one knob control the work of the effect - reverberation knob (mix of the dry/wet signals).

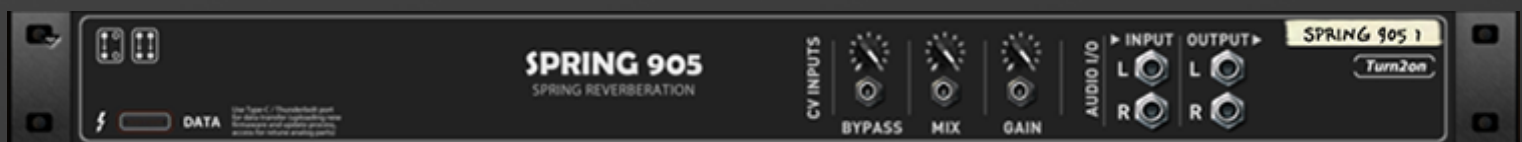
**Spring 905** effect include more controls and variations of springs sound, but this device based on the original 905 spring effect.

Spring 905, includes Gain control (to control and increase the volume level), Mix (dry / wet control) and Decay to set the size of the gain curve as the effect of dB/sec on the processed signal. Additionally, the user can set pre-processed and post-processed signal levels. This is useful for finding the best dry and wet proportions in the operation of the mixing knob for different types of incoming signal.

Character model selects one of the types of spring model: low, medium and high tension springs, the sound of springs with negative and positive resonance, resonant springs with resonant feedback, rich sound of medium and thick springs plus the sound of springs with tank vibrations.

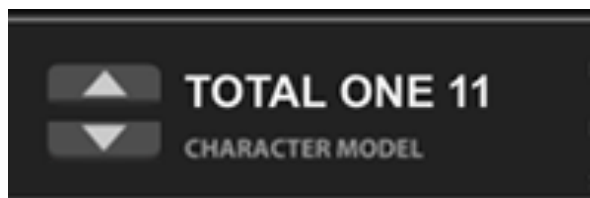
The **SPRING 905** Rack Extension is an old-new classic of the famous spring reverb effect with the legendary moogish sound of reverb spaces for electronic music .

Try to enter with SPRING 905 to the the magic world of detailed spring accents for any kind of synth sounds in your electronic music





# FRONT PANEL



# SPRING MODELS

## SPRING REVERBERATION CHARACTER MODEL

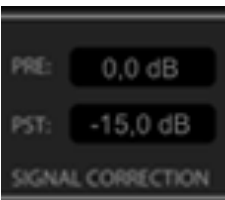
<b>LOW SPRING</b>	Weak springs tension
<b>MID SPRING</b>	The average srpings tension
<b>HIGH SPRING</b>	Strong springs tension
<b>RESO NEGATIVE</b>	A springs with a negative resonance
<b>RESO POSITIVE</b>	A springs with a positive resonance
<b>RESONATED</b>	A resonant springs with resonant feedback
<b>TOATAL ONE</b>	The rich sound of a mid springs
<b>TOATAL TWO</b>	The rich sound of a thick springs
<b>SHAKE SPRING</b>	Sound of springs with tank vibrations
<b>1-15</b>	The intensity of spring reactions (1-small , 15-maximum)



# MAIN CONTROLS

## MAIN CONTROLS OF REVERBERATION EFFECT

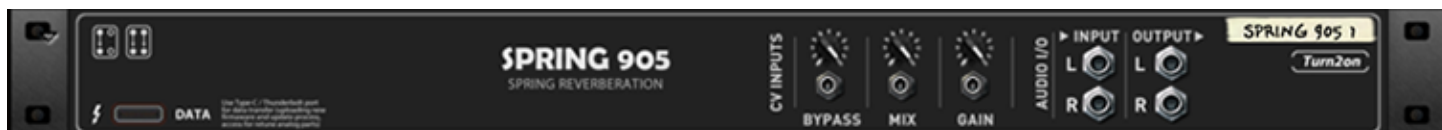
<b>DECAY</b>	Size of decay as dB/sec affect to the signal by select model of spring reverberation
<b>MIX</b>	Mix of spring reverberation processed and unprocessed incoming signals
<b>GAIN</b>	Controls the level of the processed signal (up to +12dB).
<b>SOFT BYPASS</b>	Bypass with fading of effect activity (without glitches)



**OTHER REVERBERATION CONTROL PARAMETERS**

<b>Bypass / On / Off</b>	Standard switch with 3 modes: Bypass effect, On Effect, Off Effect
<b>LED Meter</b>	Show intensity of the signal
<b>PRE CORRECT</b>	Control the level of the incoming unprocessed signal
<b>POST CORRECT</b>	Control the level of the processed signal using the spring reverb effect

**BACK SIDE PANEL**



**AUDIO INPUT / OUTPUT**

Mono/Stereo connections for Input and Output audio signals



**CV INPUTS**

Use these CV inputs to control the main parameters: Mix, Gain, Bypass,

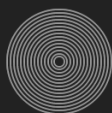
**CONNECTIONS:**



Device is a True-Stereo effect.

For Mono input, the device produces mono output.

For Stereo input, the device receive the Left and Right channels before applying the effect. The output is in Stereo.



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## SPRING 905 SPRING REVERBERATION EFFECT



Developed to use with Reason

**Reason Studios**



## Turn2on

Rack Extension Developer

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Thanks to all beta-testers.

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