

servus! roots

User Manual



Servus!Pedale
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**SERVUS!
PEDALE**

FEATURES

- Three FX: Overdrive, Tremolo & Reverb
- Warm overdrive with Bass&Treble control
- Analog optical tremolo digitally controlled
- Tap Tempo
- 4 waveforms (sine,triangle,sawtooth and square)
- 10 tempo subdivisions
- Reverb based on Belton BTDR-2 module
- Independent In and Outs
- Silent Relay True Bypass
- True Bypass
- 9VDC
- Current Draw ~220mA
- Size: 145x121mm
- Handmade
- Two years warranty

POWER SUPPLY

The pedal can be powered via an external power source (9VDC negative center pin). We recommend to only use power sources regulated at 9VDC in order to avoid noises and a possible malfunctions of the pedal.

RECOMMENDATIONS AND WARRANTY

The pedal is designed to be powered with 9VDC, any plug to other than specified voltage or the use of AC sources will provoke damage to the pedal not covered by warranty. All Servus!Pedale pedals are covered by a 2 years warranty valid from the date of purchase. This warranty against any defects in materials and manufacture is transferable.

If the pedal shows any malfunctions during the warranty period just send it to the adress that appears in this manual and it will be repaired at no charge (parts, labor and return shipping costs). You are responsible to ship the pedal to us.

WELCOME

Thank you so much for purchasing an original Servus! Roots. This pedal is handmade and consists only of high quality components. Please consider the following notes and instructions and over all - have fun!

OVERDRIVE

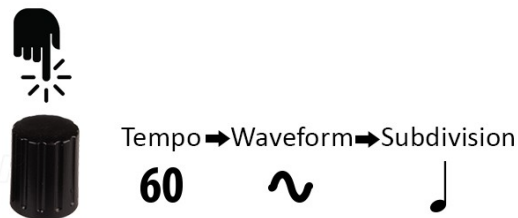
Offers from a clean boost until an elegant distortion

- Level: Controls the output level of the overdrive.
- Gain: Controls de saturation produced by the effect.
- Bass and Treble: Classic two bands tone control.

TREMOLO

The optical tremolo is based in a vactrol optocoupler. The tremolo is digitally controlled in order to obtain a major range of possibilities.

Mode control:



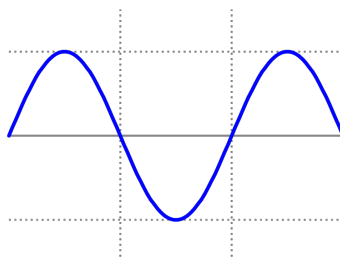
Push the **Mode** button to change between modes (tempo, waveform or subdivision).

Once a mode is selected turn the knob right or left to modify the parameter. Each step of the rotary encoder corresponds to another parameter value.

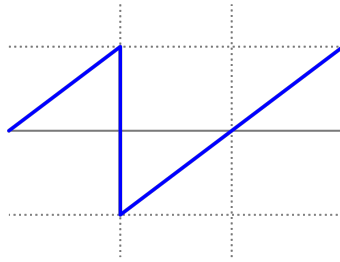
Tempo mode: Once the tempo mode is selected turn the potentiometer to the right or left in order to turn the tremolo speed up or down. If you keep turning the value will start to change quicker. In order to obtain a more precise adjustment you have to turn the potentiometer slower. The default value is 60 bpm (1 cycle per second)

Waveform mode: You can choose between four different waveforms. Each step of the potentiometer corresponds to one of the four waveforms.

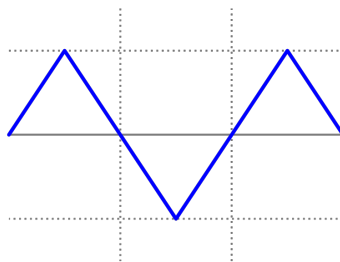
-**Sine (default):**



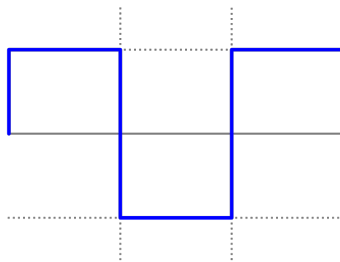
-Sawtooth:



-Triangle:



-Square:



Subdivision mode: You can choose between ten different note subdivisions. Once the subdivision mode is selected the potentiometer can be turned left or right in order to change subdivisions. Here is a table of the available subdivisions:

Subdivisions
Whole note (4x slower than base tempo)
Dotted half note (3x slower than base tempo)
Half note
Dotted quarter note
Quarter note (default) 1:1 base tempo
Dotted eighth note
Eighth note
Dotted sixteenth note
Triplet note
Sixteenth note

Depth: This potentiometer affects the amount of the tremolo effect affecting the signal.

Reset default: In order to reset the default value of each mode keep on pressing the mode button during at least two seconds. If this is realized while being in the tempo mode the tempo will reset to the last tapped tempo.

Tap tempo: In order to determine a certain tempo push the Tap Tempo switch at least twice in the desired rhythm. The tempo will stick to the last two pushes.

Gain control: You can control the gain of the tremolo with the internal trimmer. By default the gain is 1:1.

REVERB

The Roots' Reverb offers a natural and clean reverb emulating the spring reverb units. With the pot between 80 and 100% you will obtain an elegant modulated reverb.

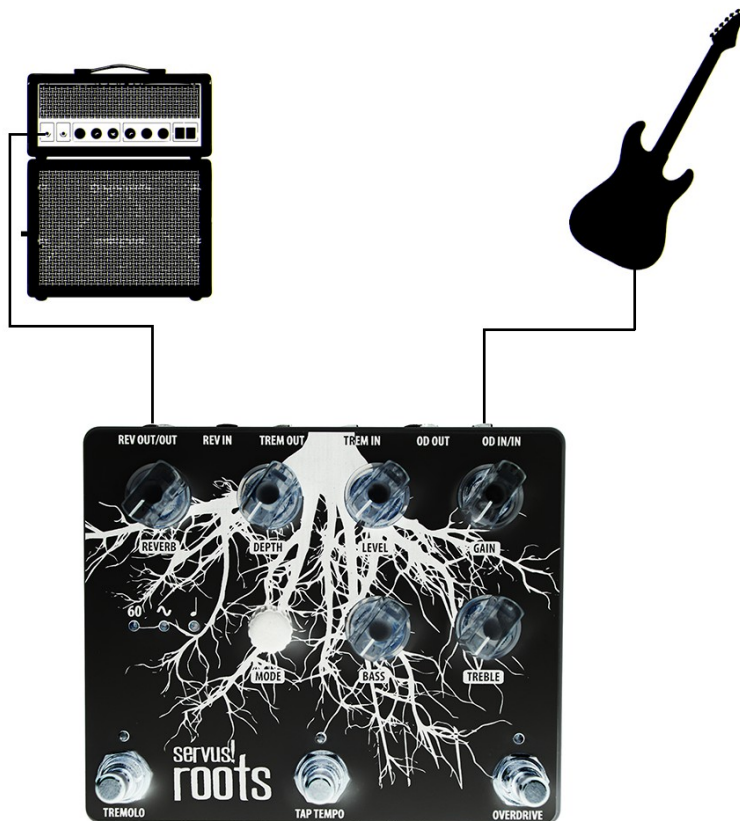
This effect is always on the chain. If you do not wish to use it you will have to put the pot at 0 or use the **TREM OUT** jack as the main output (for more details about connections check below).

CONEXIONES

The Roots offers independent IN and OUTs in each of the three effects. If you want to use all three effects in chain just use the IN and OUT jacks.

If you want to use one, two or all three effects independently (as if you were using three independent pedals) use their corresponding IN and OUTs.

Example: In this setup all three effects are in chain (OD->Tremolo->Reverb)



Example: In this setup you have the overdrive and tremolo in series. The reverb is connected to the amp's FX loop.

