

Tim Pierce

*"It makes your amp sound like it just was re-tubed"*

Tony Spinner

*"The tone cuts through with a beautiful sparkle!"*

Joost Vergoossen

*"I had difficulties turning the pedal off"*

Francois Delfin

*"It's a killer pedal"*

Philip Niessen

*"Once I turn on this pedal I find it quite hard to go back to others"*

Gert-Jan (geejee) Roemen

*"This is a keeper for sure!"*

## TWO YEAR TRANSFERABLE LIMITED WARRANTY

Defects of manufacturing of this TrebleTool Junior© are subject to a two year limited warranty. This includes repair or replacement of all components that fail when used under normal conditions.

Excluded from this warranty are:

- Damage caused by abuse or modification
  - Damage which relates solely to the aesthetic value of the product
- This warranty is valid during the period of two years from the date of purchase.

## Specifications:

- Weight 238 gr. excl. 9V battery
- Battery power 9V standard type 6LR6
- External power supply 9Vdc / 30mA regulated
- Power consumption 0,9 to 1,4 mA at 9Vdc  
(average battery lifetime is 240 hours)

## Certificate of component specification

We hereby state that this TrebleTool Junior© indicated by serial number:

.....

does contain a NOS Germanium Transistor with the following specification:

Current Gain (Hfe) = ..... x

Leakage Current (Ice) = < 150 µA

Paul Lenders & N.E.R.D. Date :

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## Do

- use the TrebleTool Junior© on the clean channel or crunch setting of your amp
- use your guitar volume knob to go from distortion to clean
- use a quality guitar cable between your guitar and the TrebleTool Junior©
- replace the battery with a fresh one when the led dims
- remove battery from enclosure when using an external power supply (to avoid leakage)



## Do not

- use a active device (e.g. wireless system, EMG pick-ups) before the TrebleTool Junior©. If you want to use an active input signal you should check the TrebleTool standard© also available from GuitarSystems
- use the TrebleTool Junior© with a high gain setting of your amp
- put the TrebleTool Junior© in your amp's send-return loop



Small in size, Big in sound



Developed by



Handcrafted in The Netherlands

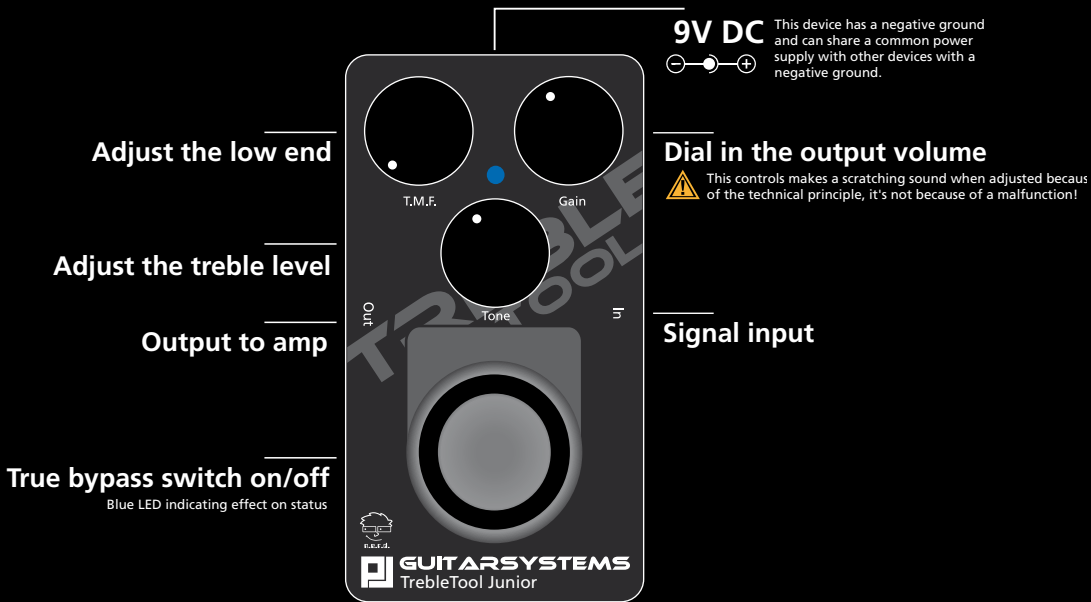
## Dallas Rangemaster History

The main concept of the TrebeTool Junior© is based on the Dallas Rangemaster, a germanium transistor based treble booster developed around 1965 in London, UK by a company called John E. Dallas & Sons Limited. The Rangemaster was used to drive Tube Amplifiers into saturation because (high) gain Tube Amplifiers were not available during the 60'ties. Famous guitar players who created their unique sound with a treblebooster are: Rory Gallagher, Eric Clapton, Ritchie Blackmore, David Gilmour, Bryan May and Tony Iommi.

## Technology concept

Like the original Rangemaster, the core of the TrebleTool Junior© is a single stage transistor preamplifier based on a selected NOS germanium transistor with the correct technical specifications combined with a high pass filter. It creates a transparent dynamic sound that will cut through the mix without being perceived as over the hill. The TrebleTool Junior© is basically a Rangemaster extended with features that increase operating flexibility and solve shortcomings of the original design but do not change the original Rangemaster sound character.

## Connections and controls



## Features

**Gain control** - adjust the effect output volume

**Continuous variable range control (T.M.F.)** - dial in the amount of bass with a specific guitar type or pickup combination

**Tone control** - adjust the amount of treble for a specific amplifier

**The PaulSwitch Jr.®** - robust true bypass footswitch to switch effect on/off & to avoid tone sucking in bypass operation

**External power supply** - (noise reduced) providing the option to use an external power supply without inducing noise or changing the character of the sound.

**Reverse and over voltage protection** - to protect the sensitive germanium transistor and keeping the pedal running for many years to come

**Radio Frequency Interference (RFI) suppression** - avoiding radio signal reception when using high gain setting in combination with turning down guitar volume

Note: NOS stands for New Old Stock