

User manual

ToneBug

Sustainer





CONGRATULATIONS

on your purchase of Sustainer, part of our Tonebug series of effect pedals that combine gorgeous T-Rex tone, cool retro design, and affordable pricing.

Sustainer delivers one of the great holy grails of classic rock music – a guitar that sings like a violin, with single notes, chords and feedback tones playing on and on, until you tell them to stop.

Powered by an optimised compressor, an auto-gain function and a simple set of controls, Sustainer gives you exactly what you need to add sustain to any sound, clean or distorted.

Sustainer is simple to set up and use. Just turn the page to get started.

4 STEPS TO ENDLESS SUSTAIN!

Using your Sustainer

Insert a 9V alkaline battery or connect to an electrical outlet using the T-Rex Fuel Tank power supply (not included).

Plug your guitar into the INPUT jack, and run a lead from the OUTPUT jack into your amp.

Use the COMP knob to compress or “squeeze” your sound, and the SUST knob to lengthen your sustain.

The ATTACK switch lets you choose between a slow (turtle) attack for a subtler, more natural sound, and a fast (rabbit) attack for a more radical squeeze and sustain effect.

HOW IT WORKS

Compressor

Your T-Rex Sustainer is really two effects in one: a sustain-optimised compressor and a “time-release” gain. The compressor takes your sound and “squeezes” it, limiting volume “peaks” and boosting quiet sounds, or “troughs”. This resulting sound is more even and easier to extend by adding gain.

Gain

Once your signal has been compressed, an amplifier gradually adds gain as the note you’re playing starts to face out. This keeps your sound going, almost as long as you want it to.

A word of advice

A sustain effect is 100% classic, but it’s also a subtle effect. Make sure to take plenty of time experimenting with different settings – until you find a setting or group of settings that matches your style of music and your own personal sound.

TECHNICAL SPECIFICATIONS:

Input Impedance @ 1KHz	Higher than 1M Ohm
Output Impedance @ 1KHz	Lower than 1K Ohm
Power supply	9V DC
Minimum Power supply Voltage	8,5V DC
Maximum Power supply Voltage	12,5V DC
Current Draw @ 9V DC	50 mA
Maximum input signal Vp/p	3,2 Vp/p
Battery Type	9V battery 6F22 Alkaline
Battery Life	5 to 8 Hours
External connectors	Input Jack. Output Jack, 9V DC Jack (center pin negative)
Controls	On/Off, Compression, Sustain, Attack
Depth	120 mm
Width	78 mm
Height	60 mm
Weight (excl. battery and packaging)	0,400 Kg / 14,1 oz

T-REX WARRANTY CONDITIONS

T-Rex offers a 2-year warranty on all our products. In the unlikely event of a malfunction, please contact our technical support at info@t-rex-effects.com before sending us the product for repair. When the product has been sent to us at sender's cost, we will repair or replace your product and send it back to you - free of charge and usually within 3 weeks (shipping not included). The product needs to be accompanied by a copy of your receipt, serial number, return address, phone number, e-mail address and a brief explanation of the problem. Please note that we cannot replace a product until we have received it here in Denmark.

The warranty is lost if the product has been damaged by alteration, misuse, accident, or neglect; or if the product has been repaired or serviced by persons not authorized by T-Rex. Read more about warranty conditions at www.t-rex-effects.com.

ABOUT T-REX

Based in Vejle, Denmark, T-Rex Engineering makes classic and signature effects pedals for the world's best musicians. Our approach blends hi-tech innovation with old-world craftsmanship – always in the service of killer tone.

EU REGULATIONS • ENVIRONMENT PROTECTION

T-Rex accepts and follows the regulations and directives issued by the EU. We find these environment protecting regulations very good, and we are happy to follow them.

ISSUED IN VEJLE 2010



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