

*User manual*

# ToneBug

*Sensewah*





## CONGRATULATIONS

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

Sensewah is a great-sounding wah-wah pedal that creates your “wah” effect for you automatically – without your having to operate the pedal while you play. It also offers the rare “yoy” effect, which is puts a weird twist on the traditional wah-wah sound.

Since Sensewah is triggered by your playing instead of foot-operation, it’s important to set it up right before you start playing.

Turn the page to find out how.

## READY TO GET FUNKED UP?

### Using your Sensewah

1. Insert a 9V alkaline battery or connect to an electrical outlet using a T-Rex Fuel Tank power supply (not included).
2. Plug your guitar into the INPUT jack, and run a lead from the OUTPUT jack into your amp.
3. Use the SENSE knob to set how much “wah” you want, and the RANGE knob to set the frequency width of your “wah”.
4. The WAH WAH/YOY YOY switch lets you go from a traditional wah-wah to the freaky-sounding yoy-yoy effect. Try it out!

## HOW IT WORKS

### Automated wah-wah

Traditional wah-wah pedals work by filtering out all but a narrow band of frequencies. As you press the pedal further down with your foot, you move that band up to higher frequencies.

With automated wah-wah pedals like your Sensewah, the moving of the frequency band is controlled not by your foot operating the pedal, but triggered automatically when you strike the strings.

### What's a yoy-yoy?

The yoy-yoy is similar to the wah-wah effect, except that it moves a double band of frequencies up and down the frequency range. The upper band is very high, resulting in the strange “whistling” sound that characterizes the effect..

## TECHNICAL SPECIFICATIONS:

Input Impedance @ 1KHz	Higher than 1 M Ohm
Output Impedance @ 1KHz	Lower than 1 K Ohm
Power supply	9V DC
Minimum Power supply Voltage	8,5V DC
Maximum Power supply Voltage	12,5V DC
Current Draw @ 9V DC	75 mA
Maximum input signal Vp/p	2,5 Vp/p
Battery Type	9V battery 6F22 Alkaline
Battery Life	0,5 to 1 Hours
External connectors	Input Jack. Output Jack, 9V DC Jack (center pin negative)
Controls	On/Off, Sense, WHA/You You, Range
Depth	120 mm
Width	78 mm
Height	60 mm
Weight (excl. battery)	0,404 Kg

## 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](mailto: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](http://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 2011



Steen Meldgaard Laursen  
Managing Director



Lars Dahl-Jørgensen  
Development Director



Sebastian Jensen  
Production Director



T-Rex Engineering ApS

[www.t-rex-effects.com](http://www.t-rex-effects.com)