

# Wahoo™

## The Ultimate Wah/Filter Pedal Has Arrived!

The **Wahoo™** is a dual analogue filter stomp box where each filter can be configured as low-pass or band-pass and operate independently in wah pedal, envelope, LFO, and pitch-tracking modes. The warm-sounding fully analogue signal path is digitally controlled for precision, configurability and adaptability. Whether you want to recreate the character of vintage wah/filter pedals or break new sonic barriers, the **Wahoo™** can do it for you.

### Warm Organic Tone

By using an analogue filter topology based on vintage synthesizer filters, the **Wahoo™** generates a warm tone with an organic feel. Something that's not possible using digital effects.

A **DRIVE** control lets you gently overdrive the filters to increase the warmth or crank it up to get fuzz-wah tones.

### Innovate

Packed with innovations, the **Wahoo™** lets you invent new sounds.

- Unique patent-pending pedal sensor for super-fine precision control that will never wear out.
- Transparent-True-Bypass giving all the benefits of true-bypass without the switching noise.
- Dual-filter design allows enhanced sonic possibilities that have more depth and are more vocal-sounding than most other filter pedals.
- **sonuus** pitch-tracking technology provides novel pitch-tracking filter effects.
- Response curves let you tailor the feel of the filter response.

### Replicate

The filters have a wide frequency range of 10Hz–4kHz, and wide resonance range from flat to self-oscillation. Moreover, resonance is not fixed, but can be varied dynamically so it can track the cutoff frequency to further expand your creative possibilities. Combining this with **DRIVE**, response curves and variable envelope filter attack/decay allows you to replicate the sonic character of many vintage and modern wah/filter pedals.

### Create

It's simple to tweak settings on the carefully designed control panel. Once you have created what you want, you can save it to one of 99 internal presets.

### Perform

As well as being ideal at home or in the studio, **Wahoo™** has special features that make it perfect on stage. The sturdy, lightweight aluminium chassis, paired with modern robust electronic design ensures that the **Wahoo™** will stand up to the demands of the toughest gigs. The large bright display is readable outdoors but can also be dimmed when required in low-light environments.

A **LOCK** switch ensures that settings cannot be changed accidentally in the heat of a performance, but still allows you to select which preset to use. Foot-operated selection of presets lets you access what you need with minimum hassle.

Powered by 9VDC, 4×AA batteries or USB, and with modern-yet-retro styling, you can be sure **Wahoo™** will fit into your rig.



## Unique patent-pending pedal sensor

Most wah pedals operate using a potentiometer (a pot) which wears out quickly resulting in the effect becoming scratchy. These also have mechanical couplings which limit fine control and let dirt inside the unit, so compromising reliability.

Some other wah pedals use optical methods which are susceptible to dirt, and these also have mechanical couplings.

For the **Wahoo™**, we designed a brand new type of position sensor that allows super-fine precision control with no mechanical couplings. As a result, the pedal control on the **Wahoo™** won't get scratchy and will never wear out!

## Transparent-True-Bypass

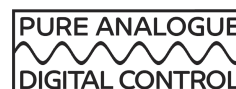
True-bypass means that the effect is completely switched out of your signal chain when bypassed to preserve the integrity of your guitar/bass signal. This is typically done by mechanical switches but these cause clicks or pops when switching.

For the **Wahoo™**, we designed a silent-switching true-bypass circuit so you get the benefits of true-bypass without the associated switching noise. What's more: if the power to **Wahoo™** is interrupted, the unit will automatically switch back to the bypassed state so you don't lose your signal.

## Computer Connection

A USB connection lets you connect **Wahoo™** to a computer where the Desktop Editor Software allows deeper preset editing and manipulation. USB-MIDI can be used to sync internal LFOs and to automate the filter parameters. You can also configure the expression pedal and control panel to send MIDI controller messages to drive software instruments and effects.

- Warm organic analogue tone.
- Dual-filter design.
- Digitally controlled with 99 presets.
- Patent-pending pedal sensor that will never wear out.
- Transparent-True-Bypass switching.
- Wah pedal, envelope, LFO and Pitch-tracking filter modes.
- Future-proof upgradeable firmware.
- 9VDC, 4×AA batteries, USB-powered.



**TRANSPARENT**  
True Bypass



## Specifications

Power	9VDC, 4×AA batteries, USB. (400mA max)	Presets	99
Size	171mm × 192mm × 73mm	Filters	2
Input	6.35mm (1/4") mono jack   1MΩ impedance	Cutoff Range	10Hz–4000Hz
Switching	Transparent-True-Bypass	Resonance	0 (flat) – 100 (self-oscillating)
Mixer	Filter drive, filter1/2 mix, wet/dry mix, output level	Filter Type	Band-pass, low-pass (24 dB/octave)
Computer	Standard Type B USB socket	LFO Types	Sine, square, trapezoid, triangle, saw-up, saw-down, random
Drivers	Class-compliant (built into operating system)	Filter Modes	Pedal, LFO, envelope, pitch
Computer (MIDI)	Windows XP, Vista, 7 and above Apple OSX 10-3-9 and above	Computer (Editor)	Windows XP, Vista, 7 and above Apple OSX 10-5 and above (Intel Mac only)

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