

# Expresso FX Fuzz Bender Mk I.V

## User Manual

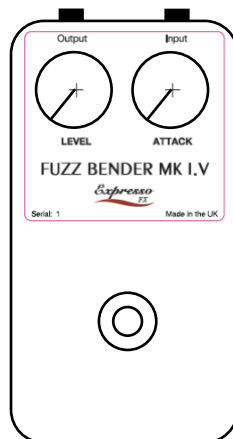


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Many thanks for purchasing our Expresso FX Fuzz Bender Mk I.V. Our Fuzz Bender Mk I.V is an accurate replica of the dual-transistor-based Tone Bender, often referred to as Tone Bender Mk1.5. This is a very interesting circuit in that it very closely resembles the Fuzz Face design, but because of some differences in the components' values, it sounds distinctively different. It is thicker and wilder than a Fuzz Face, but much less aggressive in comparison to a Tone Bender MkII Professional. This is really the pedal for those who want something in between.

We have sourced an amazing stock of rare and highly sought after NOS components; some amazing NOS Mullard and Philips capacitors, NOS Allen Bradley carbon composition resistors, and an array of top grade NOS Mullard germanium transistors.

We follow our same tradition of extreme attention to detail when putting these pedals together. Every component used is of the highest quality, with absolutely no compromise.



**Please note:** if your version has an external bias knob, the stock setting is when the knob is at 12 o'clock. Turning the knob clockwise increases the bias voltage, and turning it anti-clockwise decreases the bias voltage. The external knob has a limited range, and is designed to help correct the bias in less than optimal conditions.

**Specifications:**

- High quality aluminium enclosure, professionally powder coated in Blue Hammerite finish. These are very durable and absolutely gorgeous enclosures.
- A set of hand selected NOS germanium transistors; please refer to the website for more information on the currently used transistors.
- NOS Mullard "Mustard" C296 polyester capacitors.
- Philips/BC electrolytic capacitors.
- NOS Allen Bradley carbon composition resistors.
- Genuine Vero stripborad 0.15" pitch.
- Cliff UK jacks.
- Alpha Taiwan footswitch
- Alpha Taiwan 16mm potentiometers.
- Audio-grade shielded wire.
- Premium 22 AWG solid core Silver plated copper wire with Teflon insulation, for superior signal transmission.
- Lead free, Silver based solder.
- True bypass.
- Fully hand wired.
- 3 years warranty.
- Dimensions: 121 x 66 x 40 mm (W x D x H).

**Warranty:**

All Espresso FX products carry a 3 year warranty to the original owner with proof of purchase.

The Warranty covers any damages and faults developed by our product, but does not cover those caused by misuse or user error.

All warranty work must be preceded by an email to [support@expressofx.com](mailto:support@expressofx.com) to troubleshoot the problem. Then, if necessary, you will be issued a "Return Authorization" which must accompany any item sent or that item will be rejected.

Espresso FX is not responsible for injuries incurred while using our products nor any damage to other items related or no related to the use our products.