

# Fatpipe Pro

## Fatpipe Blues

### Owners Manual



*Thank you and congratulations* on your choice of the **Brotech Electronics *FatpipePro*, *Fatpipe Blues*** distortion box. To ensure proper operation and years of trouble-free service, please take the time to read through this Owner's Manual before starting out.

## **FEATURES**

The ***FatpipePro*, *Fatpipe Blues*** is a Distortion and Sustain guitar effects box. It includes a three band equalizer, gain and level controls for the distortion, a separate boost feature, boost and distortion foot switches with active indication LEDs, input/output jacks, and a external D/C power supply connection (for use with optional adapter). The versatile features of this unit will enable you to create many kinds of sounds, from warm and soft sustain to hard powerful distortion.

## **LIMITED WARRANTY**

Brotech Electronics guarantees that every Fatpipe Pro/Blues will be free from physical defects in material and workmanship for one year from date of purchase, when used within the limits set forth in this user manual. Proof of purchase required.

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### **IMPORTANT NOTES**

When using an AC adapter, use only the specified device (see Specifications page). Use of any other AC adapter could result in damage, malfunction or electric shock.

### **POWER SUPPLY**

The power requirement for this unit is indicated on the specification page. Ensure that the voltage/current in your installation meets this requirement. If the unit is to remain unused for an extended period of time, unplug the power cord and/or remove the battery.

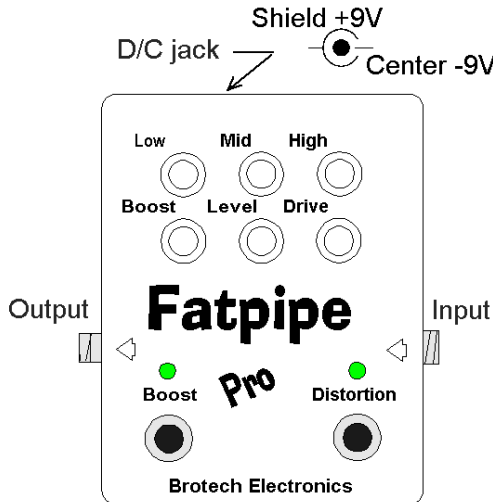
### **PLACEMENT**

Do not subject the unit to temperature extremes (e.g., direct sunlight in an enclosed vehicle). Avoid using or storing the unit in dusty or humid areas, or areas that are subject to high levels of vibration.

### **ADDITIONAL PRECAUTIONS**

- Protect the unit from severe impact.
- Should a malfunction occur, or if you suspect there is a problem, discontinue use immediately. Contact the factory as soon as possible.
- **WARNING:** To avoid the risk of electric shock, unplug all connections to the unit when changing the battery.
- Remove the battery whenever the unit is to remain unused for an extended period of time.

## PANEL DESCRIPTION



### **AC Adapter Jack.**

Accepts connection of an AC adapter (recommended option). Use of the A/C adapter eliminates the risk of the internal battery running low during a performance.

- *We suggest that a fresh battery be installed in the unit even if using an A/C adapter, such that your playing won't be interrupted, in the unforeseen event that the adapter is accidentally disconnected.*
- *If you are going to use an AC adapter, be sure to use the specified unit (see Specification page). Use of any other adapter may result in damage, malfunction, or electric shock, and void the warranty.*
- *If you are not going to be using the unit for an extended period of time, disconnect the AC adapter from the AC outlet.*

### **INPUT Jack.**

This jack accepts input signals coming from a guitar or another effects unit.

- The INPUT jack also serves as the power switch, Power is turned on whenever a plug is inserted into the input jack, and is turned off when the plug is disconnected. When not using the unit, you should disconnect any cord connected to the INPUT jack.

### **OUTPUT Jack**

The output jack is used to connect the unit to an amplifier or another effects pedal.

### **DISTORTION SWITCH AND LED INDICATOR**

This switch is used to enable or bypass the *DISTORTION* circuitry. The *DISTORTION LED* will illuminate when this circuit is active.

### **BOOST SWITCH AND LED INDICATOR**

This switch is used to enable or bypass the *BOOST* circuitry. The *BOOST LED* will illuminate when this circuit is active.

### **DRIVE control**

This controls the depth of the distortion. Rotating the knob clockwise creates deeper distortion and longer sustain time. Because this circuit controls the AC gain of the first input stage, rotating the knob to the fully CCW position will set the gain at 0, resulting in no output.

### **LEVEL control**

This adjusts the level of the distortion. To avoid drastic volume changes, set this knob so there is no volume difference between the effect and straight guitar sounds.

### **BOOST control**

This adjusts the level of the signal boost circuitry. Adjust this control to give your solos a volume boost.

### **HIGH control**

Active when the Distortion circuit is engaged. Rotating the knob clockwise boosts the higher frequencies. Rotating the knob counterclockwise cuts higher frequencies.

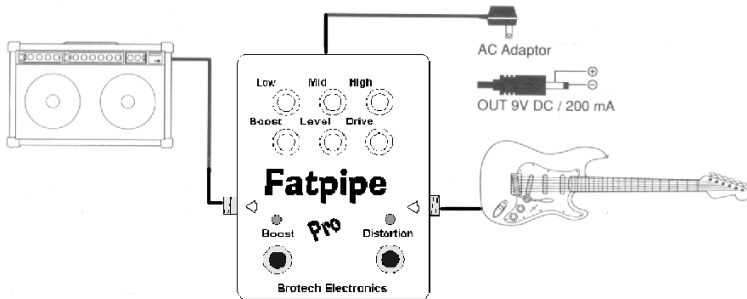
### **MID control**

Active when the Distortion circuit is engaged. Rotating the knob clockwise boosts the midrange frequencies. Rotating the knob counterclockwise cuts midrange frequencies.

### **LOW control**

Active when the Distortion circuit is engaged. Rotating the knob clockwise boosts the low frequencies. Rotating the knob counterclockwise cuts low frequencies.

## MAKING THE CONNECTIONS

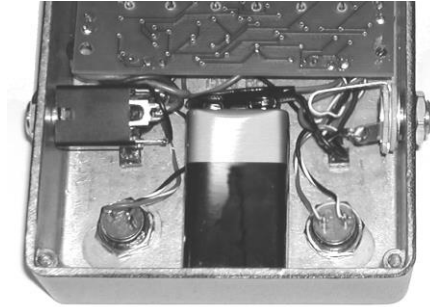


- Inserting a plug into the INPUT jack will automatically switch the unit on.
- Before connecting or disconnecting any patch cords, be sure all volume controls in your system are set to minimum. This will help prevent any damage to system components.

## **OPERATING THE UNIT**

1. After you have made the necessary connections, set all controls at 50%.
2. Depress the **DISTORTION** switch to turn the distortion effect on. The *DISTORTION* indicator LED will light.
3. Adjust the depth of distortion with the **DRIVE** knob.
4. Adjust the volume of the distortion with the **LEVEL** knob. Compare the bypassed (clean) level with that of the distortion level, and adjust accordingly.
5. Adjust the tone of the distortion effect using the **HI**, **MID**, and **LOW** controls.
6. Depress the **BOOST** switch to enable the boost circuitry. The *BOOST* indicator LED will light.
7. Adjust the **BOOST** control to dial in the amount of boost desired.

## CHANGING THE BATTERY



When the indicator goes dim or no longer lights while an effect is on, it means that the battery is nearly dead and must be replaced.

Replace the battery following the steps below.

1. Disconnect the unit from all other devices.
2. Remove the four screws on the back cover.
3. Remove the old battery from the housing, and carefully disconnect the 9V power connector.
4. Carefully reconnect the power connector to the new battery, and place the battery inside the housing.

**\*be sure to carefully observe the battery polarity (+ versus -).**

5. Replace the back cover. *Avoid pinching the power leads while installing the cover*, and reinstall the 4 screws



**SPECIFICATIONS**

Controls	LOW, MID, HIGH eq; LEVEL, DRIVE controls for distortion; BOOST control; BOOST footswitch; Distortion footswitch
Indicators	DISTORTION and BOOST LED indicators (serves also as battery check indicator)
Connectors	INPUT jack, OUTPUT jack, AC Adapter jack (9VDC)
Nom. input level	20dBm
Input impedance	>220kΩ
Nom. output level	20dBm
Output impedance	1kΩ
Power supply	9V battery (IEC 6LR61, NEDA/ANSI 1604A).
A/C Adapter	Any A/C adapter with a regulated 9V D/C output, 100ma. The mating jack is 2.1mm, +9V on the sleeve.



Dimensions	1.94"/49.25mm H (w/knobs), 1.34"/34mm H (chassis only) x 4.7"/119.5mm L x 3.7"/94mm W
Weight	0.772lbs (350 grams)
Accessories.....	Owners manual, dry battery 9V type (6LR61/9V)

Available Option 9VD/C, A/C adapter

\*0 dBm = 0.775V rms

\*In the interest of product development, the specifications and/or appearance of this unit are subject to change without prior notice.

**REGULATORY**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference; and (2) This device must accept any interference received, including interference that may cause undesired operation. Unauthorized changes or modifications to this equipment may cause harmful interference, and void manufacturer's warranty.

**CE Mark Declaration of Conformity**

73/23/EEC LVD, 89/336/EEC EMC

Manufacturer

Brotech Electronics

Product

Fatpipe Pro, Fatpipe Deluxe, *Fatpipe Blues*

Serial number

All

Product Safety

EN60950:1998, A1 thru A4

Electromagnetic Compliance

EN50081-1:1992

EN50082-1:1992

This product complies with the requirements of the Low Voltage Directive 73/23EEC and the EMC Directive 89/336/EEC, and carries the CE Mark accordingly

**Brotech Electronics**

518 Boxwood Drive  
Shirley, NY, USA 11967

P/F 631 834 3244

<http://www.brotechelectronics.com>  
[mfbrotech@outlook.com](mailto:mfbrotech@outlook.com)

Publication FP111904

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