

# *PastFx*

## Foot Phaser

### Deluxe



#### **What is it?**

The Pastfx Foot Phaser Deluxe is essentially a tricked out Nick James Foot phaser, which in turn is based upon the foxx Foot Phaser V1.

The foxx Foot Phaser is made famous by Brian May of Queen. Made in the 70's, its treadle design allowed the Phase speed to be controlled by knob or treadle.

Foxx released several versions of the foot phaser with different number of phase stages and circuit design. However it is Version 1's design that is most synonymous with Brian May.

The Foot Phaser Deluxe requires considerable testing to find a set of 10 matching transistors. This involves testing thousands of transistors by hand, to get the perfect phase.

While being able to dial in the exact settings of the Nick James foot phaser, The Deluxe, can take the tonal options further, and also has an expression extension jack for those who wish to use a treadle to control the pedal

#### **Features**

- 10 hand matched Jfet transistors
- Speed, Depth & Feedback knobs
- 3 speed range rotary switch
- 6/10 phase stage selector switch
- Manual mode allows the speed knob to select a fixed point in the phase
- Auto Mode allows the LFO Phase speed to be determined by the speed knob
- 9vdc operation (boss style)
- Quality components - Neutrik Jacks and Lumberg Dc sockets
- Red LED visual phase rate indicator which displays the speed of the phase
- Blue LED indicator effect on
- Expression Pedal Jack – allows treadle control over the speed knob\*
- Compact modern sized effect
- Powder coated enclosure with UV Printed graphic



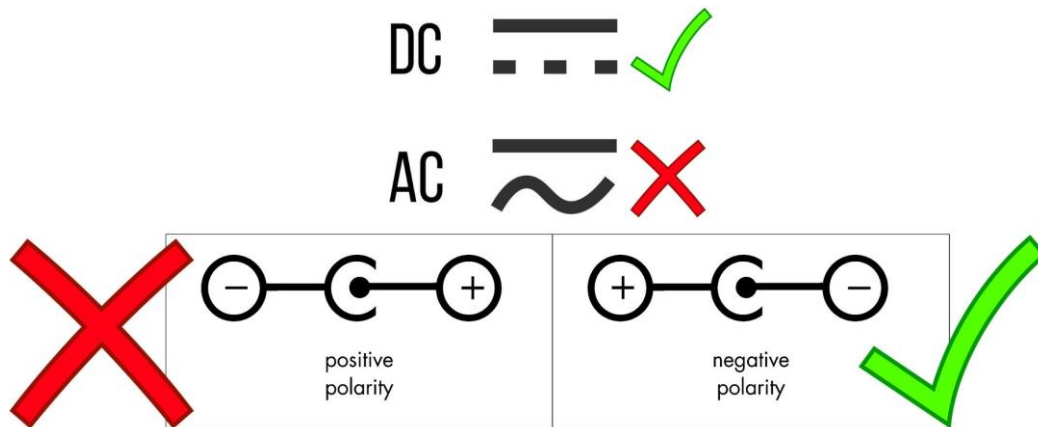
## Nick James Foot Phaser Settings

To achieve the same circuit as the PastFx Nick James Foot phaser the following settings are required.

- Feedback knob turned fully counter clockwise.
- Phase stage switch, switched to 10
- Auto Mode selected
- Range switch on slowest or middle speed

### Powering the Unit

- This pedal draws approximately 20ma.
- It requires 9vDC 2.1mm jack negative tip supply. Regulated, Isolated Linear / Transformer based supply is highly recommended



### Phase Sweep Bias adjustment

Periodically, the Foot Phaser Deluxe sweep may need adjustment. This involves rotating the blue Precision Trim Potentiometer as indicator below with a small flat head screwdriver.

The Trimpot has a 25 turn rotation to cover the entire value of the potentiometer. (An access hole is located on left side of enclosure near the speed knob.

With the range switch on the middle setting and both Speed and Depth knobs fully clockwise, begin to adjust the trimpot until phasing becomes audible.

Once this has been achieved switch the range switch to slow and fine tune the trimpot until the desired phase sweep is achieved.



\* Expression Pedal requires 100KB potentiometer - Tip - wiper 2 / Sleeve -wiper 1 or 3

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