

PastF_x PHASE V



What is it?

The *PastFx Phase V* is a faithful reproduction of the 1970's Roland AP-5 Phase Five. The AP-5 was unique for its time. It incorporated 2 different ways of controlling the phase speed, Continuous Control and Touch Control.

- **Continuous Control** uses a conventional LFO to generate a regular rate of phase found in most phasers produced today. This rate is determined by either the Fast or Slow knob.
- **Touch Control** however uses the instrument input signal to determine the phase speed, ie the louder/hotter the signal the faster the phase rate becomes. It slows down when the instrument signal weakens. The Touch Control sensitivity knob allows the user to make adjustments according to their playing style and desired Phase rate.

The Fast / Slow switch allows the phase to respond in its speed adjustment similar to a Leslie Rotary Speaker. The Touch Control Setting can give a similar result however your playing dynamics can control the ramping up and down of the Phase.

The Original Roland Ap-5 now attracts high prices from both artists and collectors alike.

The *PastFx Phase V* is able to achieve all the sonic features of the original.

It is approximately 1/3 of the size and weight of an original which operated off mains power. With today's advancements in technology, the *PastFx Phase V* operates off the same bipolar voltages as the original, however it only requires standard 9vdc pedal power supply.

Features

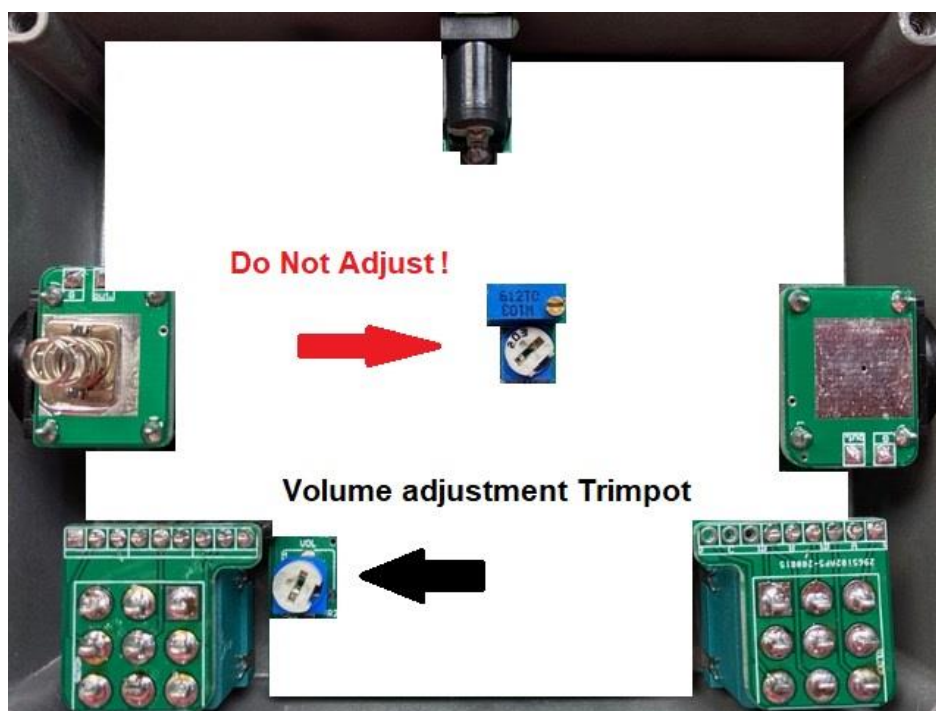
- Uses 6 hand matched Jfet transistors.
- Intensity knob – controls the depth of the phase.
- Fast / Slow switch allows the phase speed to be ramped up or down just like a vintage Leslie Rotary Speaker.
- Independent Fast & Slow Phase rate knobs.
- Foot switchable Touch Control / Continuous Control function.
- Dual Red & Green LED Indicators which flash at the LFO phase rate.
- Red – Continuous Control
- Green – Touch Control
- True Bypass Normal / Effect footswitch.
- Blue LED visual indication of effect being activated.
- When In True Bypass mode, T.C/C.C Led will be solid.
- Internal Volume Trimpot, allowing user to adjust phase volume to be in unity with the bypass signal. This corrects the volume drop found in the Original AP-5.
- Dimensions : 120 x 94 x 50mm (1590BB style enclosure)
- Pedalboard friendly, uses minimal real estate and operates off industry standard (9VDC negative tip 2.1mm)

Customisation Options

Phase Output Volume adjustment

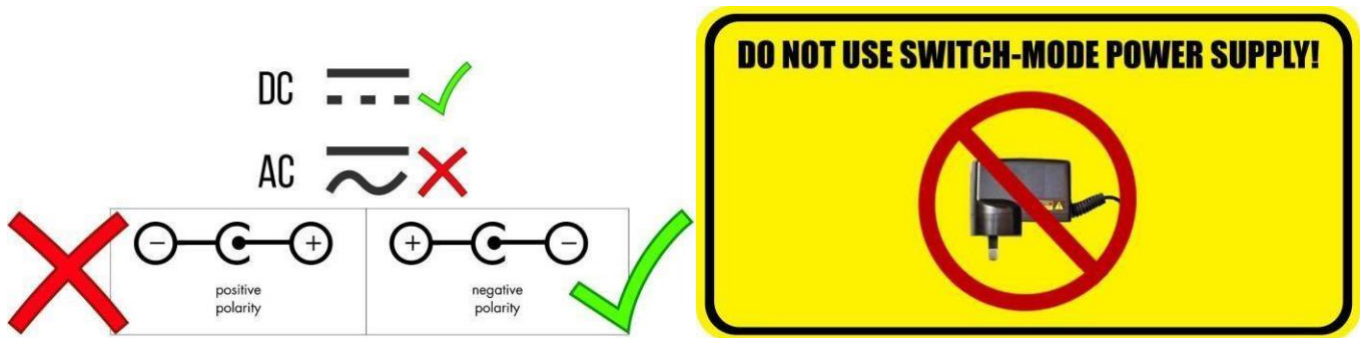
1. Remove the pedal's back plate.
2. Locate the Trimpot located in bottom left hand corner adjacent to the normal / effect footswitch.
3. Use a small flat head screwdriver to turn the Trimpot. Clockwise will increase output volume, while anti clockwise will decrease.
4. Adjust to taste

Please refer to image below.



Powering the unit

- This pedal draws approximately 40 ma
- It requires 9vDC 2.1mm jack negative tip supply. Regulated, Isolated Linear / Transformer based supply



Up until the mid-2000's most 9vdc pedal power supplies available were Linear / Transformer based. However most manufacturers have taken the lower cost path in manufacturing switchmode supplies. These are generally lighter in weight, and more economically appealing. An Apple/Samsung wall charger for example uses switchmode technology. Unfortunately from the frequent switching from fully on to fully off the repeated switching can introduce noise into effect pedal. Modulation and high gain effects can be more noticeable.

A budget switchmode supply may work fine on a simple overdrive pedal, but this does not transfer to the Phase V.

It is acknowledged that many newer high end switchmode based power supplies have improved immensely over the last few years, and may work fine in your pedal.

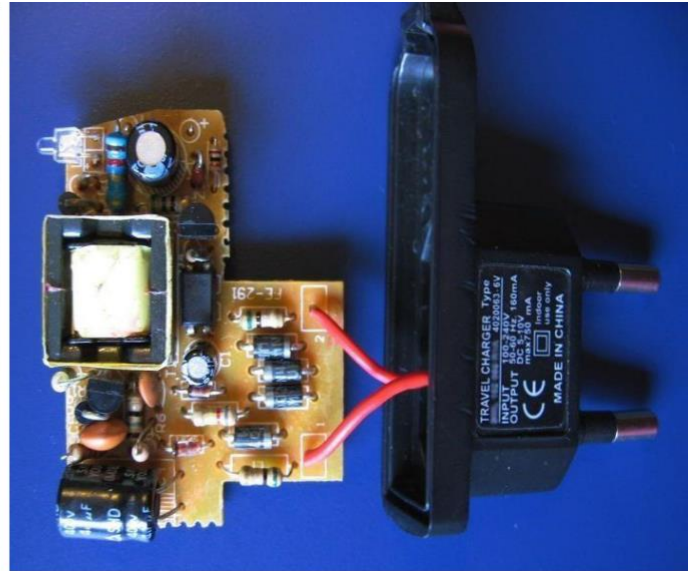
However PastFx still only recommends Linear power supplies like, but not limited to:

- Voodoo Lab Pedal Power @ 2 Plus etc. • Joyo® JP-04 Isolated Power Supply • T-Rex® Junior/Classic/Chameleon Fuel Tanks
- Donner® DP-4 ISO 8 PLUS • Mosky®C8 Power Station

Linear Transformer Power Supply



Switch mode power supply



Both PSU's convert Mains AC to DC. The switchmode is cheaper to manufacturer, produces less heat, but can introduce more noise than the Linear Supply. **For Best Performance only use a quality Regulated, Isolated Linear power supply.**

PastFx is not affiliated or associated with Boss & Roland Corporations or any companies referred to.