



Superior Fidelity Tone Machines

Congratulations on your purchase of THE CAMOFLANGE, the awesome new Analog FLANGER pedal from ThorpyFx. The CAMOFLANGE receives its name because it is essentially several flange styles in one pedal and happily hides in plain sight. Be careful the use of this pedal can cause you to disappear from view for several days at a time as you get drawn in by its addictive analogue sounds.

OVERVIEW: THE CAMOFLANGE was designed from the ground up to be the “last word” in analog Flange effects pedals. Myself and Dan Coggins (former Lovetone and Dinosaural designer) wanted to deliver a decade spanning flange pedal that enables you to sound like as many of the classic records that use the flanger effect as possible. However, we decided to take it 10 steps further and create our dream flanger pedal whilst retaining a simplicity of use that belies the pure analog complexity within.

CONTROLS

HARMONICS: This is a centre-zero/centre-null control. When centred, there is no regenerative feedback around the delay path. When moved off-centre in either direction up to either extreme, an increasing amount of delay-only output signal is fed back to the delay input. Eventually this leads to self-oscillation. Each half of the control has an opposite polarity and this produces Even harmonics (anticlockwise from centre) or Odd harmonics (clockwise from centre), creating different musical timbres.

MANUAL (DELAY TIME): This sets the clock rate for the BBD delay chip which is at its shortest at the anticlockwise end and gives proportionally longer delay times when advanced clockwise. When the depth control is at zero/fully CCW, the Manual control dominates the set delay time which may be swept by hand, accordingly.

TREBLE: This control allows an increase (from zero fully CCW) up to maximum of upper-midrange and treble pre-emphasis into the delay line path only. It does not affect the dry signal. As it determines the delay path gain at high frequencies it will interact with the threshold at which the Harmonics control will transition into self-oscillation and so both these controls should be treated as mutually interactive, especially when taming down any sonic runaway tendencies! The EQ changes that result from altering this control will affect the timbre of the composite output signal and how the delayed wet path cancels and reinforces against the dry signal.

BLEND: This control sets the balance of dry/straight buffered input signal (fully CCW) to delay-only/wet (fully CW) with all ratios in between available over its rotation. In the centre the mix of dry to wet signal is approximately 1:1 which produces the deepest ‘notch’. Fully clockwise will give vibrato/pitch modulation and/or doubling effects. The anticlockwise end will allow for more subtle flanging effects with a less pronounced notch or comb-filter depth.

DEPTH: This control introduces the LFO waveform to the delay time MANUAL control until it dominates it (almost completely) when set fully clockwise. It can and should be used in conjunction with the MANUAL control which skews (and fine tunes) the range of LFO sweep applied to it over most of its area, but less so as the DEPTH is advanced.

RATE: This control goes from very slow (fully CCW) to very fast (FULLY CW) and everything in between: it determines the free-running LFO frequency which is applied to the manual delay time with its amplitude fed proportionally from zero to maximum sweep via the DEPTH control setting.

FOOTSWITCH: This turns the CAMOFLANGE on/off.

POWER: THE CAMOFLANGE is designed to work at voltages of 9V DC. This should be from a quality centre negative power supply such as the Gigrig Generator or Voodoo Lab Pedalpower Plus 2. Do not attempt to use this pedal with other voltages or polarities.

COMPONENTS: To ensure consistency, reliability, low noise and tonal supremacy THE CAMOFLANGE is made with extremely high quality components. 1% metalfilm resistors, WIMA and Panasonic capacitors where possible, A Burr-Brown Op-amp and robust through hole plated PCB'S. In short, all of this means you won't have to worry about your pedal and it should give you many years of inspiring tonal bliss.

WARRANTY: THE CAMOFLANGE is guaranteed for 2 years against manufacturing faults or defects. This guarantee is applicable to the original owner and is not transferable.

LEGAL: In the unlikely event of a failure ThorpyFx Ltd will not be held responsible or compensate for any loss of earnings or any other losses incurred by failure of this equipment. The use of this equipment is at the owners' own risk.