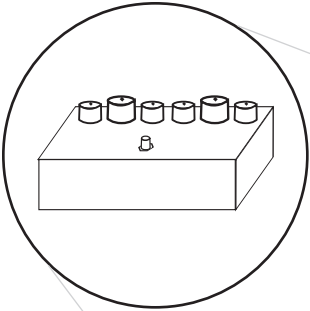




2z flanger

analog (To Zero) stereo flanger

instruction diagram



FEEDBACK

allows for either positive or negative feedback to be introduced which greatly enhances the flanging characteristics the feedback knob has a center-off detent at 12:00 there is no feedback with the knob in the detent note: placing the feedback knob at either max positive or max negative will result in loud self-oscillation - this is by design

SWEEP RANGE

allows control of the range of delay time that is automatically varied (swept) by the 2z flanger's LFO (low frequency oscillator) clockwise settings will sweep a wider range of delay time resulting in more flanging pitch variation counter-clockwise settings will sweep a narrow range of delay time resulting in less pitch variation

SWEEP RANGE MODES

two separate modes are also accessed via the Sweep Range knob Full clockwise turns the Manual Delay Time knob off this allows the 2z flanger's LFO to sweep the entire range of delay time resulting in extreme flanging pitch variation and swept de-tuning Full counter-clockwise turns the Sweep Range knob off entering the Manual Delay Only mode which allows for filter-matrix type sounds or to use the toneczar expression pedal to control the entire range of the 2z flanger's available delay time

MIX

allows for active mixing of the dry and delayed signals the standard setting is 12:00 for an equal mix of dry and delayed signals full clockwise is 100% delayed full counter-clockwise is 100% dry

EXPRESSION PEDAL INPUT

allows foot pedal control of the Manual Delay Time setting and completely bypasses the Manual Delay Time knob while still allowing the Sweep Range knob to limit the width of the flange sweep placing the Sweep Range knob full counter-clockwise enters the Manual Delay Time mode allowing expression pedal control of the entire range of delay time (>30ms to <1ms)

RATE

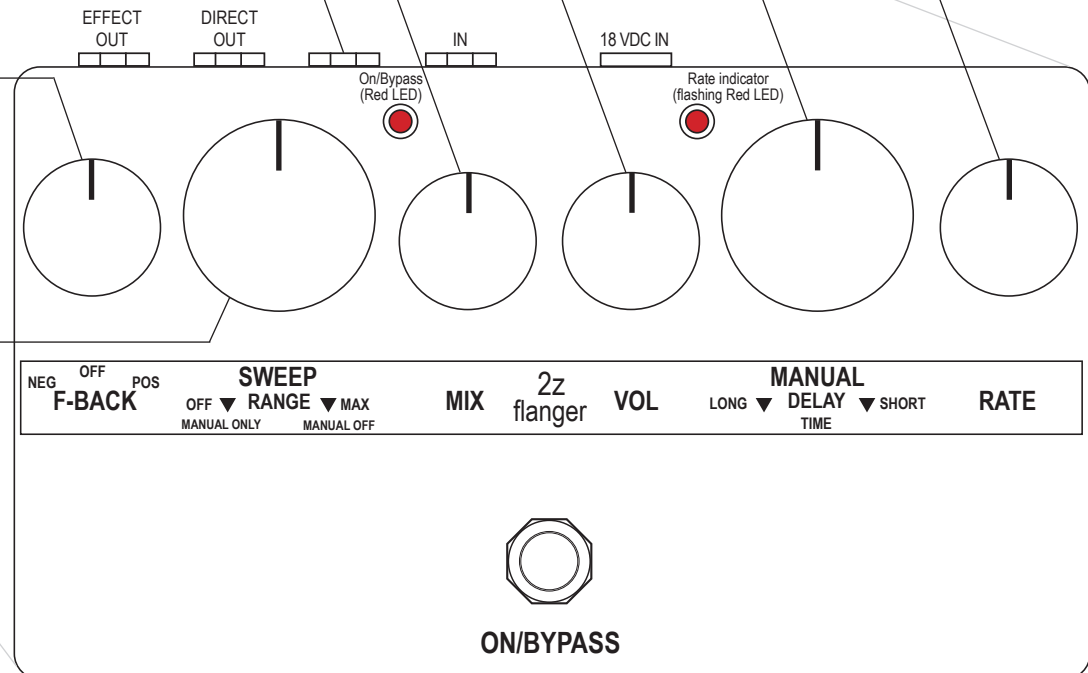
allows for adjusting how fast (or slow) the LFO (low frequency oscillator) operates full fast (clockwise) is 10 cycles per second full slow (counter-clockwise) takes 20 seconds to complete one cycle the rate indicator (Red LED) flashes in time even with the 2z flanger in the bypass mode

MANUAL DELAY TIME

allows the range of available delay time to be manually set full clockwise is less than 1ms full counter-clockwise is greater than 30ms note: longer delay times move the flange character down in overall pitch shorter delay times move the pitch up

VOLUME

unity gain is approx 12:00



Actual Size:
4 1/4" deep
7 1/2" wide
2 1/4" tall