KJams Phaser

Description

The KJams Phaser pedal has two programs. They are based on traditional phasers with 4 all-pass filters.

- Feedback is straightforward except the Feedback pot is accessible by an expression pedal.
- Moco is unusual. (He suggested this program:) The LFO waveform is not free running, but is directly controlled by the Moco pot. Moco control is also accessible by an expression pedal. You can control the LFO or park the wave at any point, similar to a cocked wah.

Instructions

The programs are selectable by the toggle switch.

- Feedback (down) – Phaser with Depth, Feedback, and Speed controls. Feedback can be controlled by an expression pedal.
- Moco (up) – Phaser with Depth, Feedback, and Moco (LFO) controls. The LFO waveform can be controlled by the pot or an expression pedal. Either can be parked for a cocked wah-ish effect.

Pots

- Feedback program – Speed sets the high speed. When the pedal is first turned on, speed will be set by the Speed pot. Tap accelerates between the pot (high) speed and the slowest speed. Speed goes from about 0.5Hz (2 seconds) to 7Hz (0.14 seconds).
- Moco program – When the pedal is first turned on, the wave position is set by the Moco control.
- Depth sets the depth of the Phaser.
- Feedback sets the amount of Feedback.
- Volume sets the output level.

Footswitches

- Bypass is a standard bypass/enable latching switch. It is true bypass.
- Tap
  - Feedback program – Tap decelerates from the Speed setting to the slowest speed. Tapping again accelerates to the Speed setting. If the Speed pot is moved, Tap is over-ridden.
  - Moco program – Tap twice to set the speed, or just once to get the slowest speed, unless over-ridden by the Moco pot or expression pedal.

Jacks

- In and Out jacks are standard mono, right to left.
- Tap is parallel with the built-in Tap switch. Use a standard normally open switch. It can also handle a system clock, up to a 5V square input.
- Expression replaces the middle/lower control, different in each program.

LED

- The LED turns on when the pedal is engaged. It pulses to show the phaser speed.

Power

- Input power is standard center-negative 9VDC.
- Current draw is 62mA.
- The pedal is safe with higher voltages up to 18VDC, but we discourage using them.

Features

- The pedal is designed and assembled in Holland, Michigan USA.
- It is based on the popular Spin FV-1 DSP chip
- The face plate is solid wood, so the grain in each piece is unique. It is sealed with Birchwood Casey Tru-Oil.