

ASTEROIDE

Sampler & Harmonizer

www.opfxs.com

User Manual

Rev. 11/05/2020

CONTROLS

MIX: sets the master level of sampled signal

FUNDAMENTAL: sets level of sampled signal at fundamental

LOW OCT: sets level of sampled signal one octave down

HIGH HARMONICS: sets level of sampled signal at higher harmonics

2nd HARMONIC: sets level of sampled signal at 2nd harmonic

SINGLE/DUAL: toggles between SINGLE note and DUAL notes sampling

BYPASS: bypass the pedal and erases the sampled note

SAMPLE: samples the note being played

SINGLE/DUAL notes sampling mode

When toggle switch is set to SINGLE only one note per time will be sampled and played. Sampling a new note erases the previous one.

When set to DUAL, two notes can be sampled at different times and played back at same time.

Example of DUAL sampling:

- Play note A1 and push SAMPLE
- A2 is played back
- Play note C3 and push SAMPLE
- A2 + C3 are played back at same time as a bichord
- Play note D3 and push SAMPLE
- C3 + D3 are played back at same time as a bichord (A2 is erased)
- Play note E3 and push SAMPLE
- D3 + E3 are played back at same time as a bichord (C3 is erased)
- ...and so on...

SAMPLE footswitch LONG PRESS

SAMPLE footswitch can be set to operate in two different modes when it's held down long (keep pressed):

- CONTINUOUS SAMPLING, keeps sampling while playing. In this mode the pedal behaves more like a standard octaver pedal. When SAMPLE is released the last played note while pushing SAMPLE is sampled.

- INFINITE SUSTAIN, in this mode when SAMPLE is long pressed for 1 second it switches to INFINITE SUSTAIN. Each new sampled note is sustained indefinitely until a new note is sampled or BYPASS is pushed. Pushing BYPASS erases sampled notes.

To switch between CONTINUOUS SAMPLING and INFINITE SUSTAIN long press BYPASS + SAMPLE at same time for 3 seconds. ORANGE LED will blink to indicate successful change.

ENVELOPE FOLLOWER/INFINITE SUSTAIN modes

Sampled notes can be played back either by ENVELOPE FOLLOWER or INFINITE SUSTAIN mode

ENVELOPE FOLLOWER tracks the input signal, sampled notes are played back when you're playing and only stop when you stop playing. In this mode ORANGE LED is normally OFF and only turns ON when you push SAMPLE footswitch.

INFINITE SUSTAIN doesn't track the input signal and plays the sampled note indefinitely until you sample a new note and only stops when push BYPASS. In this mode ORANGE LED is normally ON and only turns OFF when you push SAMPLE footswitch.

TRACKING setting

Tracking can be set to:

- Help low tuned guitars to cope better with ASTEROIDE
- Increase/decrease the tracking range

4 tracking ranges can be set.

To set a new tracking: set the pedal in ON mode (RED LED ON). Long press BYPASS for 3 seconds, RED LED will turn OFF and turn ON again. Move the FUNDAMENTAL pot to set a new tracking option. Red LED will start blinking at rate of 1 second. When a new TRACKING option is selected the ORANGE LED will blink.

You can play through the pedal and SAMPLE notes to test various tracking options.

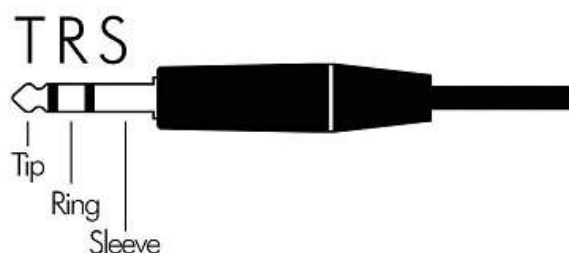
Once done press BYPASS to store current tracking and exit.

When FUNDAMENTAL is moved CCW the tracking range is decreased. When FUNDAMENTAL is moved CW the tracking range is increased.

MONO/SPLIT Output

With a Y jack cable connected at OUT you can separate DRY signal from effect signal for connecting two amps or to process signals independently.

TIP of the jack carries DRY signal while RING of the jack carries effect signal:



When signal splitting is desired set MIX knob at zero.

Specs:

Powering: 9V DC with center negative DC Jack 2.1mm (BOSS™ standard)

Current consumption @ 9V DC: 100mA in SPLIT mode

Input nominal level: instrument

Input Impedance: 1M Ohm

Output Impedance: 600 Ohm

Bypass: transparent buffered bypass