

ASTEROIDE

Sampler & Harmonizer

www.opfxs.com

User Manual

Rev. 26/08/2022

CONTROLS

MIX: sets the master level of sampled signal

FUNDAMENTAL: sets level of sampled signal at fundamental

-1 OCT: sets level of sampled signal one octave down

HIGH HARMONICS: sets level of sampled signal at higher harmonics

+1 OCT: sets level of sampled signal one octave up

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...

ENVELOPE FOLLOWER and HOLD SUSTAIN modes

Sampled notes can be played back either by ENVELOPE FOLLOWER or HOLD 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.

Toggle between ENVELOPE FOLLOWER and HOLD SUSTAIN modes

Long press SAMPLE footswitch for 1 second to toggle between ENVELOPE control and INFINITE sustain. Orange LED will blink when toggle occurs. The pedal will remember the status after power OFF.

RANGE setting

RANGE can be set to increase/decrease tracking on fretboard.

To set a new tracking range press BYPASS for 3 seconds, red LED will blink a couple of time. Move the FUNDAMENTAL pot to set a new tracking range. Red LED will start blinking at rate of 1 second.

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

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

Once done press BYPASS to store current tracking and exit.

BYPASS

When pedal is in bypass mode (red LED off) there are two ways to exit bypass status:

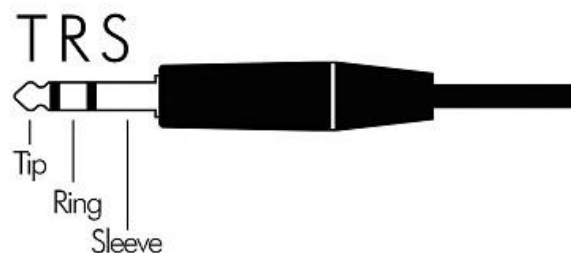
- 1) Push BYPASS, red LED will turn ON and ASTEROIDE will exit the bypass status and ready to sample a new note as soon as SAMPLE switch is pressed. If a previous note was sampled before entering bypass status the note will be recalled. This is useful if you want to keep a previous sampled note without sampling again.
- 2) Push SAMPLE, red LED will turn ON and ASTEROIDE will both exit bypass status and sample a new note at same time that SAMPLE is pressed. This is useful when you want to fast exit from bypass and sample a new note at same time.

The pedal will remember the bypass status at power OFF but not any sampled notes.

MONO/SPLIT Output

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

TIP of the jack carries DRY signal while RING of the jack carries WET 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

Input nominal level: instrument

Input Impedance: 1M Ohm

Output Impedance: 600 Ohm

Bypass: transparent buffered bypass