

# Ocean Swift Synthesis Didgeridreamer



## Controls

### Main Tone

**Tune:** Midi in this instrument does not control pitch, this knob controls the root note tuning of the instrument.

**Wave:** The base waveform of the instrument. A crossfade mix between saw and square shapes.

**PWM:** Turns on or off pulse width modulation of the base waveform when the pulse shape is selected. The modulation rate and depth is controlled internally.

**Tone Mix:** Crossfade mix of the main tone with the interval.

**HP Track:** Turns on or off a mild high pass filter whose cutoff point is based on the root note of the instrument.

### Interval

**Interval Tune:** The harmonic relation of the overtone to the main tone. Selection between perfect 5th and Major 10th

**Band:** Cutoff point of the bandpass filter applied on the interval tone.

**Res:** The resonance quality of the bandpass filter applied to the interval tone.

### Vowel Formantor

**Freq:** Base frequency/cutoff point of the formant.

**Freq Vel:** Turns on or off the option to influence the base frequency via incoming midi note velocities. Positive modulation.

**Res:** The resonating quality of the formant.

**Cross:** Static crossfade between the vowels (peaks) set with the vowel knobs.

**Cross Vel:** Turns on or off the option to control the crossfade amount via incoming midi note velocities. Positive modulation.

**CF Mod:** Modulation depth of the vowel crossfade by the CF Mod LFO.

**Freq Mod:** Modulation depth of the formantor base frequency.

**Vowels 1-5:** Option to set five distinct vowels (formant peaks) to be swept by modulating the filter.

## CF Mod / Freq Mod LFO

**Wave:** The waveform of the LFO. The wave is a choice between a sine, square, saw up, saw down, triangle, and random - 6 shapes in total.

**Rate:** The speed of the lfo when not in sync mode. From 0.01 to 400hz.

**Div:** The speed of the lfo when in sync mode. Measure divisions based on the device's BPM setting. Provided are 19 divisions: 64bar, 32bar, 16bar, 8bar, 4bar, 2bar, 1bar, 1/2p, 1/2, 1/2t, 1/4p, 1/4, 1/4t, 1/8p, 1/8, 1/8t, 1/16p, 1/16, 1/32.

**Phase:** The starting phase of the lfo. Noticeable when the LFO is in retrigger mode.

**Sync:** Turns sync mode on and off.

**Retrig:** Retrigger the osc to start at the point specified by the phase knob with each new midi gate.

## Filter EQ

**Highpass:** Cutoff point of the highpass filter.

**Lowpass:** Cutoff point of the lowpass filter.

**Damp:** An additional lowpass filter with the cutoff frequency internally set to 1.5khz

## Tube Filter

**Tube:** Turns the tube filter on or off. The cutoff/frequency of the tube is an internal calculation based on the root note.

**Drive:** Overdrives the input of the tube filter.

**Reso:** The resonating/feedback quality of the tube filter.

**Damp:** Damping of the tube resonance.

## Effects

**Tremolo:** Controls for depth, modulation waveform, modulation rate by knob or division, retrigger, sync and waveform start phase.

**Stereo Chorus:** Controls for rate, depth, phase, feedback, flange and wet amount.

**Stereo Delay:** Syncable stereo delay with separate time and division controls for the left and right channels. Feedback and feedback damping is provided as well as the option for standard left-right operation or cross feedback. The signal can be mixed with the dry signal.

## Main Controls

**Midi:** The midi channel the device will respond to when the drone button is in the off position.

**BPM:** The BPM from which the bandpass lfo divider and delay divider divide from.

**Drone:** When turned off the device will respond to midi and play when you sustain a note. When turned on the device will play at all times. This parameter is not stored with presets.

**Distort:** Mild distortion on the output.

**Gain:** Main volume. This parameter is not stored with presets.

Credits:

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