




The Jake's Custom Shop Dual Low Frequency Oscillator packs two LFOs in one module each with 3 outputs. Each LFO has a square wave, triangle wave, and sine wave output. An internal jumper allows two frequency speed modes. Trimpots are included for fine tuning of the sine wave.

## SECTION I - Electrical Characteristics

Attribute	Min	Typ	Max
Current Draw [mA] +12V +5V -12V		28.1 0 26.5	
Square Wave output [V]	-12		+12
Triangle Wave output [V]	-7		+7
Sinewave output [V]	-6		+6
Frequency - Slow [Hz] Frequency - Fast [Hz]	1/120 1/10		2 24

## SECTION II – Functionality

Input	
Attribute	Data
Power	10-Pin shrouded IDC. Meets Doepfer Eurorack standard.
SLOW/ FAST Pot	Adjustment of the output frequency.

Output	
Attribute	Data
	Square Wave output.
	Triangle Wave output.
	Sinewave output.

**SECTION III – Mechanical Data**

Attribute	Data
PCB dimensions	39.3 x 100 mm
Panel dimensions	40.3 x 128.5 mm (8HPX3U)
Depth of panel	15mm

**SECTION III – Rear Controls**

Attribute	Data
SineX Symmetry	Shifts the sine wave output about the 0V axis
SineX Distortion	Varies the sine wave output from a triangle to a squarewave. Fine tune this trim potentiometer to achieve a near perfect sine wave.
LFO X Speed	Jumper to determine the frequency range of the LFO.

