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Dane aktualne na dzień: 05-05-2024 08:28

Link do produktu: <https://blackfrog.pl/ekstruder-ldo-orbiter-v20-dual-drive-direct-extruder-p-2618.html>



Ekstruder LDO Orbiter V2.0 Dual Drive Direct Extruder

Cena brutto	329,00 zł
Cena netto	267,48 zł
Dostępność	Zapytaj o dostępność
Czas wysyłki	48 godzin
Numer katalogowy	ldo_orbiter20
Kod EAN	3578783370000
Producent	LDO Motors

Opis produktu

The LDO Orbiter V2.0 Dual Drive Direct Extruder as seen on [Thingiverse](#). Designed by Dr. Lorincz Rober in cooperation with LDO.

- Smaller, lighter, optimized design
- Hardened filament drive gears manufactured by Bondtech
- Designed by Dr. Robert Lorincz
- Manufactured by LDO Motors
- **For 1.75mm filament only!**

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Orbiter v2.0 firmware configuration

Basic Configuration:

- Steps: 690 steps/mm @ 16 micro-stepping
- Max. instantaneous speed change (jerk): 600mm/min(RRF), 10mm/s
(Marlin) (recommended 300/5)
- Pressure advance: 0.02~0.03s - to be calibrated
- Retraction: 1~1.5mm - to be calibrated
- Retraction speed: 120mm/s
- Motor current: 1.2A Peak or 0.85A RMS (LDO-36STH20-1004AHG)
- Acceleration: 10000 mm/s² *



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- Normal motor operating temperature: 60-75°C

* The extruder itself without filament can handle acceleration up to 25000mm/s². Adding the weight of the filament it drags along it's recommended to have acceleration limit set not above 10000mm/s².

Reprap Firmware Configuration:

M350 E16 I1
M92 E690
M203 E7200
M566 E300
M201 E10000
M906 E1200 I10 M572 D0 S0.02
M207 S1.5 F7200 Z0.2

Firmware configuration

- Steps: 650-700 steps/mm at 16 micro-stepping
- Acceleration: 600 mm/s²
- Maximum instantaneous speed change (jerk): 300 mm/min(RRF), 5 (Marlin)
- Maximum speed: 3600 mm/min
- Pressure advance: 0.02s
- Retraction: ~1.2mm
- Retraction speed: 60mm/s
- Motor current:
 - **0.5A Peak or 0.35A RMS** (LDO-36STH17-1004AHG and LDO-36STH20-0504AHG)
 - **1A Peak or 0.7A RMS** (LDO-36STH20-1004AHG)

NOTE: Please pay attention which current type your firmware is configuring and set accordingly:

- Marlin and Klipper firmware RMS currents are configured
- Reprap firmware for the Duet family Peak currents are configured