

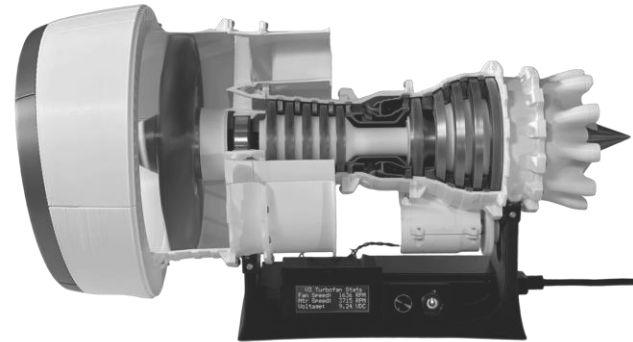
# V3 Turbofan Driver

## >> Complete Kit <<

### This kit contains:

#### Electronics Hardware

- 1x Printed Paper Copy of the V3 Electronics Schematic
- 1x Custom Driver Board PCB by Cyberfox361
- 1x Arduino Nano, ATmega328P V3.0 (pre-programmed with latest sketch)
- 1x L298N Motor Driver Module, DC Dual H-Bridge
- 1x LCD Screen with I2C module, 20x4 Small, ERM2004FS-3
  - Dark Blue / Black Text on White OR White Text on Blue
- 1x RS-555SH 12V DC Motor (9-15V) 57mm x 36mm (4825-5100rpm)
- 1x EC11 Type Rotary Encoder with Push Button and Knob Cap
- 1x 5A Rated Latching Push Button Switch, SPDT, Black Metal Shell, Blue LED, 19mm
- 1x 12V 5A Power Supply, AC 100-240V 50-60hz (< 125mm long, 55mm wide, 35mm tall)
- 1x 10K Ohm Trimmer Potentiometer, 3296W-103
- 3x 2-Pin Male Header, 2.54mm Pitch, Straight
- 2x 15-Pin Female Socket, 2.54mm Pitch, Straight
- Ceramic Capacitors:
  - 2x 0.1 $\mu$ f
  - 1x 4.7 $\mu$ F
- JST-XH Female and Male Connectors:
  - 2x 2-Pin set
  - 2x 4-Pin set
  - 1x 5-Pin set
  - 17x 22AWG Pre-Crimped Cables, Various Colours
  - 17x 3mm Heat Shrink, Pre-cut



#### Mechanical Hardware

- 150x M3x0.5, 8mm Length, Button Head Hex Socket Drive Screws
- 1x M6x1, 40mm Length, Hex Socket Drive Round Head Screw
- 2x 6204 Size Ball Bearing, Sealed/Lubricated, 20x47x14 mm
- 2x 6003 Size Ball Bearing, Sealed/Lubricated, 17x35x10 mm
- 4x N45 Square Magnet, 0.25in Cube
- 1x Gorilla Glue Super Glue Gel, Cyanoacrylate Glue, Clear, 0.71oz/20g, (Pack of 1)

Get the original project files and details from:

<https://www.thingiverse.com/thing:4743929>

With sketch, schematic, and BoM on Github:

<https://github.com/nairck/TurbofanDriver>