

## GRBL Module 13.2 Stepmotor Driver (DRV8825)

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M5STACK



### Description

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**GRBL 13.2** is a three-axis stepper motor driver module in the M5Stack stacking module series. It uses an ATmega328P-AU controller with three sets of DRV8825PWPR stepper motor driver chip control ways, which can drive three bipolar steppers at the same time.

Using the I2C communication interface (default address:0x70) and integrated DIP switch for adjusting motor step subdivision (maximum support of 1/32 step subdivision) and I2C address adjustment (support dual address adjustment 0x70, 0x71), You can achieve six-axis control by stacking two **GRBL 13.2** modules.

The power input interface is DC/9-24V, the motor drive current can reach 1.5A, and three sets of limit switch signal interfaces are open, which can be used to connect an external limit switch to realize the motor braking function. Suitable for a variety of stepping motor motion control scenarios, such as printers, robotic arms, etc.

## Product Features

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- ATmega328P-AU controller
- Three-axis DRV8825PWPR stepper motor driver
- Drive current up to 1.5A
- Drive bipolar stepper motor
- Maximum 1/32 mode STEP subdivision

## Include

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1x GRBL 13.2 Module

## Applications

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- Printer
- scanner
- Office automation machine
- Factory automation
- robot technology

## Specification

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Specifications	Parameters
Motor driver chip	DRV8825PWPR
Controller chip	ATmega328P-AU
Maximum drive current of single channel	1.5A
Support maximum step subdivision	1/32
Interface	XT2.54-4P
Net weight	22.5g
Gross weight	42.3g
Product size	54.2*54.2*13.2mm
Package size	95*65*25mm