

Unit Vibrator

SKU:U059

UNIT
VIBRATOR
MOTOR



8800rpm
High frequency vibration



Description

Unit Vibrator is a high-performance vibration feedback module based on an N20 motor and a metal eccentric wheel. It generates physical vibration through the high-speed rotation of the eccentric wheel, enabling precise haptic feedback functionality. This unit communicates via a Grove HY2.0-4P interface and supports GPIO digital control as well as PWM pulse-width modulation. The vibration intensity can be steplessly adjusted by changing the PWM duty cycle. The module integrates an N-Channel MOSFET low-side switch driving circuit, features a motor speed of 8800 RPM, and recommends a PWM frequency of 10KHz. It also adopts a LEGO-compatible hole design, allowing flexible integration into various structures. It is suitable for applications requiring tactile feedback, such as electronic product notifications, touch feedback systems, and user interaction feedback.

Features

- Motor Type: N20 DC Motor + Metal Eccentric Wheel
- Rotation Direction: Single Direction (Reverse Braking Not Supported)
- Motor Speed: 8800 RPM (No Load)
- Control Method: GPIO Digital Control / PWM Pulse-Width Modulation
- Response Speed: Fast Start / Stop (Dependent on Mechanical Inertia)
- Communication Interface: Grove HY2.0-4P
- 2 x LEGO-Compatible Holes
- Development Platform
 - UiFlow1

- ## Includes

- ## Applications

- ## Specifications

Schematics



HY2.0-4P	Black	Red	Yellow	White
PORT.B	GND	5V	DIN	NC

Model Size

