

Gravity: Digital Wireless Receive Switch Ie

TEL0142

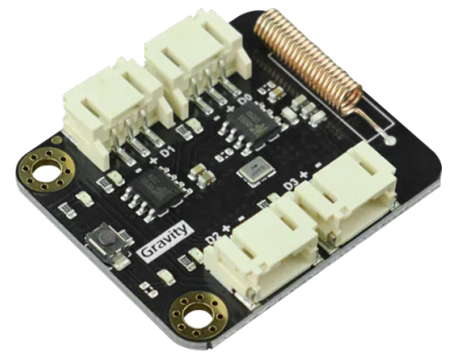
Product Overview

01-13-2023

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

DFRobot Gravity: Digital Wireless Receive Switch is based on 433Mhz RF communication technology. This switch module comes with a transmitter and receiver that transmits digital signals. The wireless receive switch is compatible with any controller that can read and write digital signals. This module features simple operation, strong penetration, and ultra-low standby power consumption. The digital wireless receive switch is ideal for remote control, wireless doorbell, wireless signal transmission, and upgraded wired and wireless buttons.



Features

- 15 button states of the transmitter
- Pairing function for the receiver
- Support one-transmit and multiple-receive
- Support one-receive and multiple-transmit
- Multiple working modes:
 - Inching, latching, self-locking, and interlocking

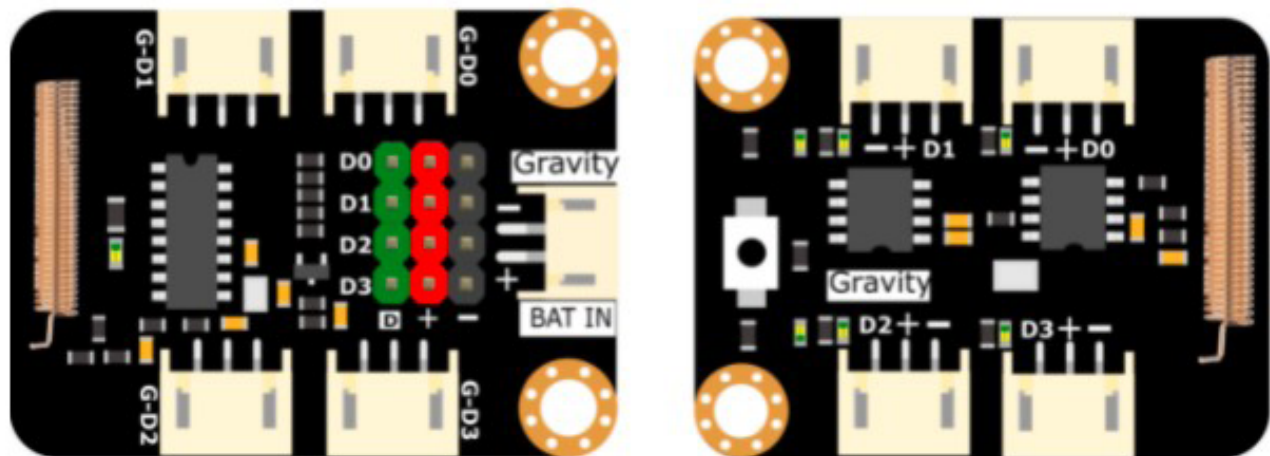
Specifications

- | | |
|---|---|
| • 3.3VDC to 5.0VDC working voltage | • Digital input signal |
| • 15M indoor stable transmission distance | • 4 number of interfaces |
| • Transmitter emission current: <ul style="list-style-type: none">• 10mA at 5V | • 433Mhz working frequency |
| • Transmitter standby current: <ul style="list-style-type: none">• <10uA at 5V | • Transmitter size: <ul style="list-style-type: none">• 47mm x 32mm |
| • Receiver emission current: <ul style="list-style-type: none">• 6mA at 5V | • Receiver size: <ul style="list-style-type: none">• 37mm x 32mm |
| • Receiver standby current: <ul style="list-style-type: none">• 3mA at 5V | • Mounting hole size: <ul style="list-style-type: none">• 3.1mm inner diameter• 6mm outer diameter |

Applications

- Remote control
- Wireless doorbell
- Wireless signal transmission
- Upgrading wired buttons to wireless buttons

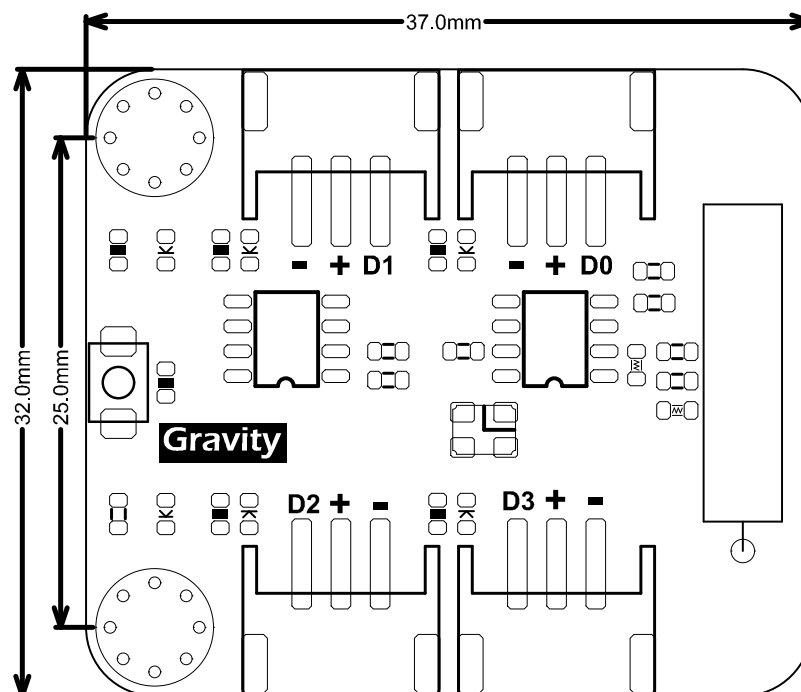
Board Overview



Transmit

Receive

Dimension Diagram



Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-gravity-digital-switch/>