Gravity: Digital Wireless Transmit Switch

TEL0140

Product Overview

01/10/2023

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

Description

DFRobot Gravity: Digital Wireless Transmit Switch is based on 433Mhz RF communication technology. This wireless transmit switch module comes with a transmitter and receiver and features the advantages of simple operation, strong penetration, and ultra-low standby power consumption. The module can transmit digital signals and is compatible with any controller that can read and write digital signals. The digital wireless transmit switch support "one-transmit and multiple-receive" or "one-receive and multiple-transmit" after pairing. Typical applications include remote control, wireless doorbell, wireless signal transmission, and upgrading wired buttons to wireless buttons.
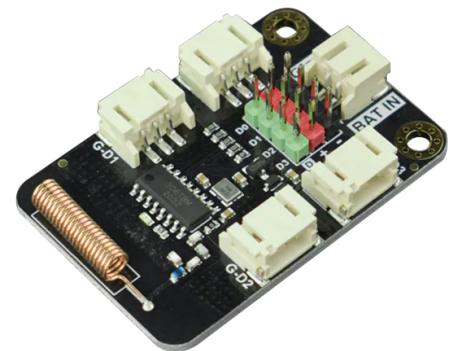
Features

- Simple operation and strong scalability
- Strong penetration
- 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

- 3.3V to 5.0V DC working voltage
- 15M indoor stable transmission distance
- 10mA at 5V transmitter emission current
- <10uA at 5V transmitter standby current
- 6mA at 5V receiver emission current
- 3mA at 5V receiver standby current
- Digital input signal
- 4 number of interfaces

- 433Mhz working frequency
- 47mm x 32mm transmitter size
- 37mm x 32mm receiver size
- Mounting hole size:
 - 3.1mm inner diameter
  - 6mm outer diameter

Applications

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

Dimension Diagram
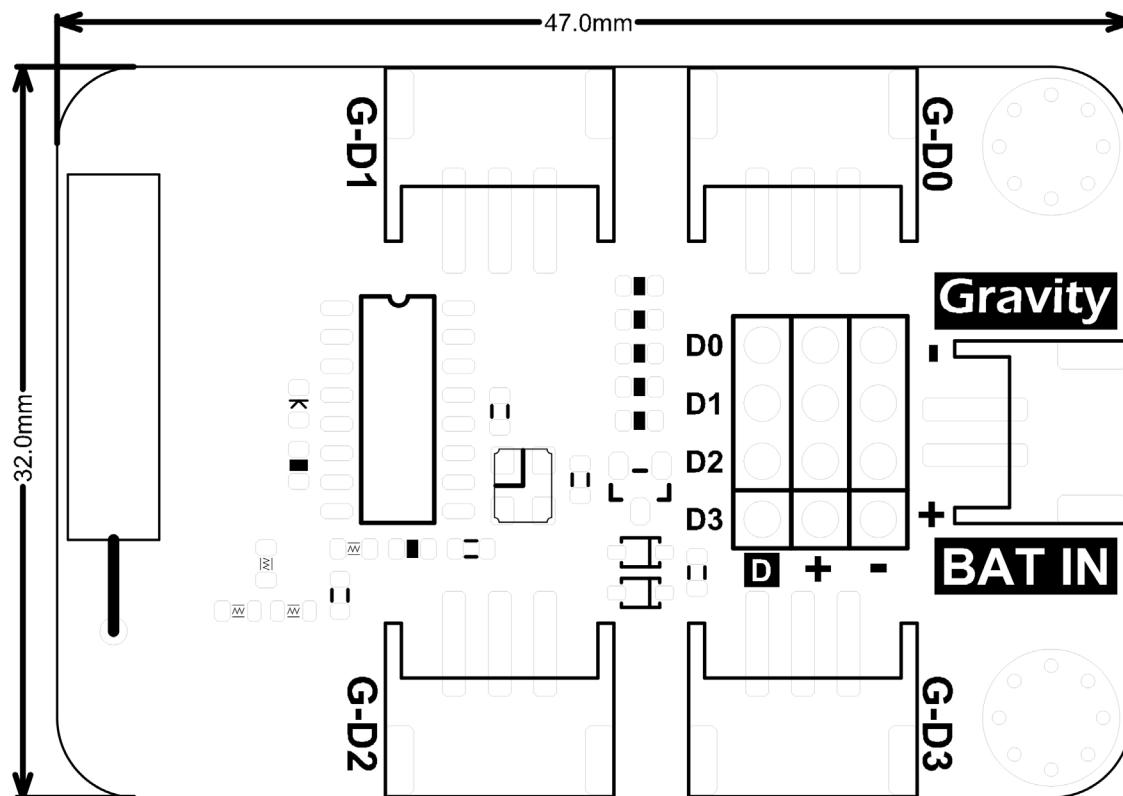
PCB Information	Name:TEL0140[V1.0]	Thickness: 1.6mm
Engineer:lfwag_CD	Top SolderMask: Black	Bottom SolderMask: Black
Date:20210720	Top Silkscreen: White	Bottom Silkscreen: White

Board Overview
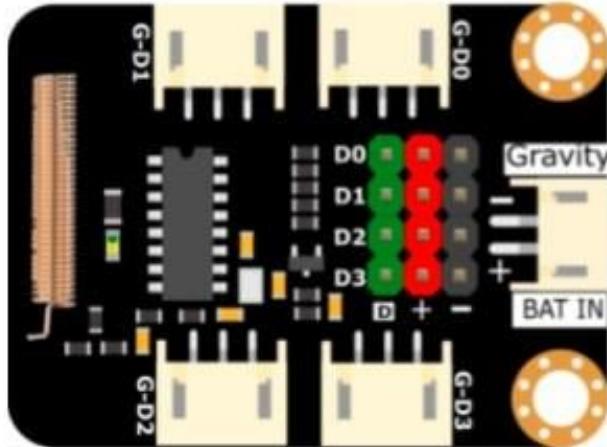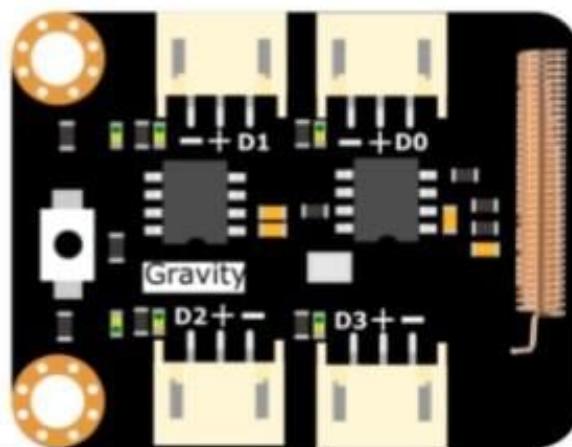
Mouser Part Numbers

[View Part](#)

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