

# Micro:bit Gamepad Expansion Board

DFR0536

## Product Overview

07-25-2022

For the most up-to-date information, visit [www.mouser.com](http://www.mouser.com) or the supplier's website.

## Description

DFRobot DFR0536 Micro:bit Gamepad Expansion Board works as a remote controller or a wireless game console when the micro:bit is plugged in. This board adopts a high-precision three-axis analog amount joystick. The combination of joystick and gamepad allows the users to control Maqueen's direction and speed at the same time. Moreover, there are 7 programmable buttons, which means users can explore more interesting functions and more flexible controls.



This gamepad features a programmable vibration motor, buzzer, and LED. The DFR0536 expansion board can be operated as a multimedia vibration controller or a multimedia interactive game console using graphical programming. The programming platform on the DFR0536 supports MakeCode graphical programming and python.

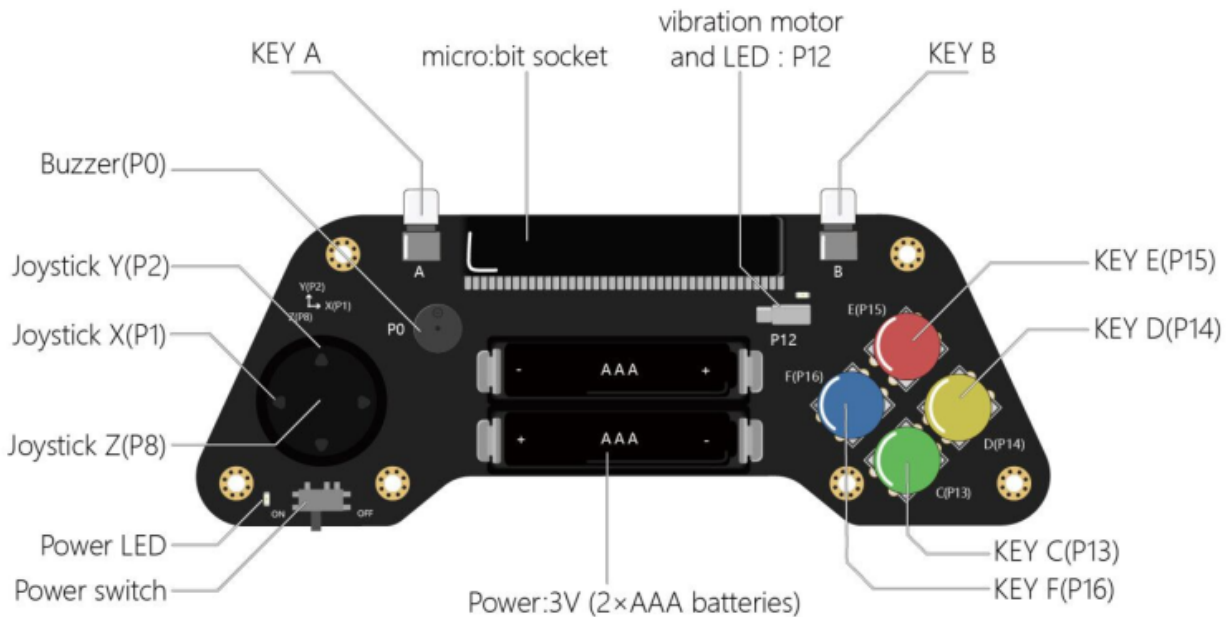
## Features

- Two axes (X-Y) programmable analog joystick, which can control the direction and speed of the maqueen at the same time
- Up to 7 programmable keys, flexible, and convenient
- Vibrating motor and LED output equipment
- Acrylic protection up and down, safe to use, and comfortable to handle

## Specifications

- Power: 3V DC (2 x AAA batteries)
- Joystick: 2 axis analog (X: P1 Y: P2) 1 axis digital (Z: P8)
- Onboard LED and vibration motor: P12
- Keys: A(A), B(B), C(P13), D(P14), E(P15), F(P16), Z(P8)
- Dimensions: 5.83inch x 2.24inch / 148mm x 57mm

## Product function indication diagram



## Mouser Part Number

[View Part](#)

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