



# MICRO:BIT MakeCode Arcade SHIELD

TomatoCube MakeCode Arcade shield is a portable handheld device which brings the world of game programming to all micro:bit users.

Anyone with an existing BBC micro:bit V2 board 🧠 can reuse its processing capability by combining it with the MakeCode Arcade Shield as an alternative to getting a full standalone MakeCode Arcade console with an ARM processor onboard.

Finally, you can learn programming by creating engaging retro-style games without the complexity of dealing with any computer jargons or rigid coding syntaxes.

## What is MakeCode Arcade? 📌

MakeCode Arcade is a 2D-focused game development platform developed & maintained by Microsoft®. With a block-based games programming environment, MakeCode Arcade is well suited for young adults curious about coding & game development yet afraid to deal with traditional complex, cryptic & tedious text-based programming.

Once you have completed your game, transfer it into a MakeCode Arcade compatible hand-held game device to see it in action. Live! 🎮

## Hardware Specification:

- Power Source: USB-C (5V) or Rechargeable Lithium battery pack(3.7~4.2V) 400mAH [included]

## Onboard Peripherals:

- Game Control : 1 analog joystick, 2 Silicon action push button switches
- System Control : 1 Menu push button switch, 1 Power slider switch
- Display : 1.8" Color TFT LCD screen
- Sound : micro:bit onboard amplifier with speaker
- Indicator : 1 Power indicator LED indicator, 1 Multicolor lithium battery charging indicator

## Other Accessories:

- 1 x Type-C to USB-A data cable
- 1 x Laser-cut acrylic protection backing
- 1 x Fabric Pouch

This product is proudly designed and assembled in **Malaysia** by TomatoCube\*.