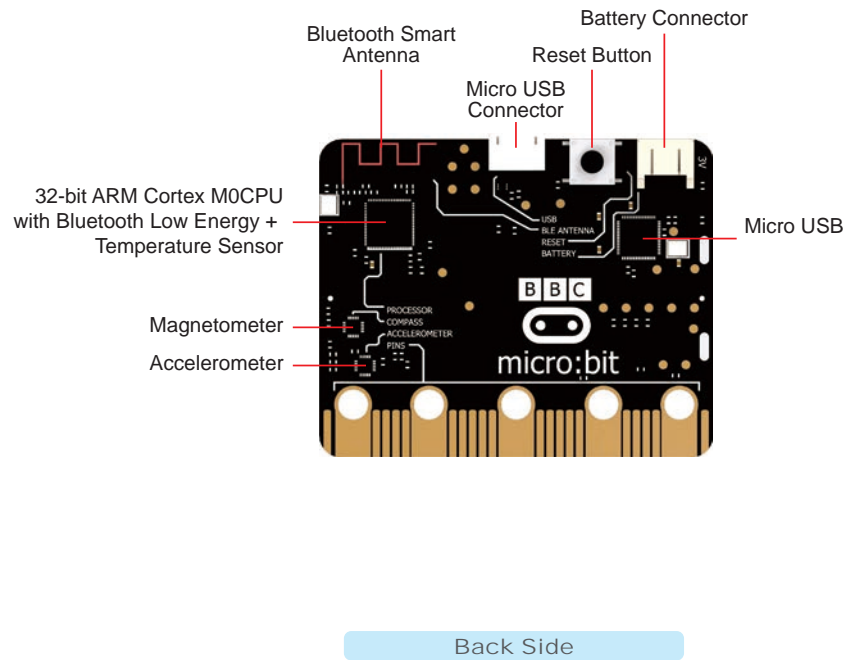
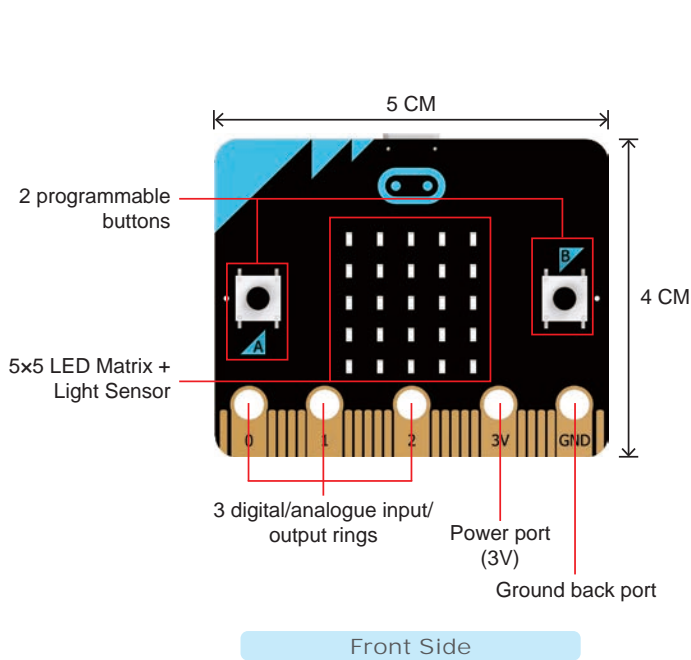
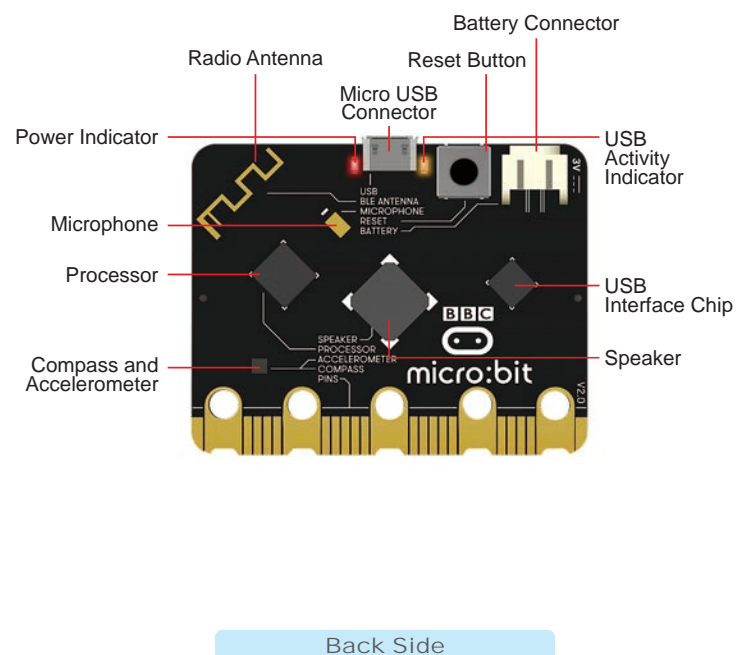
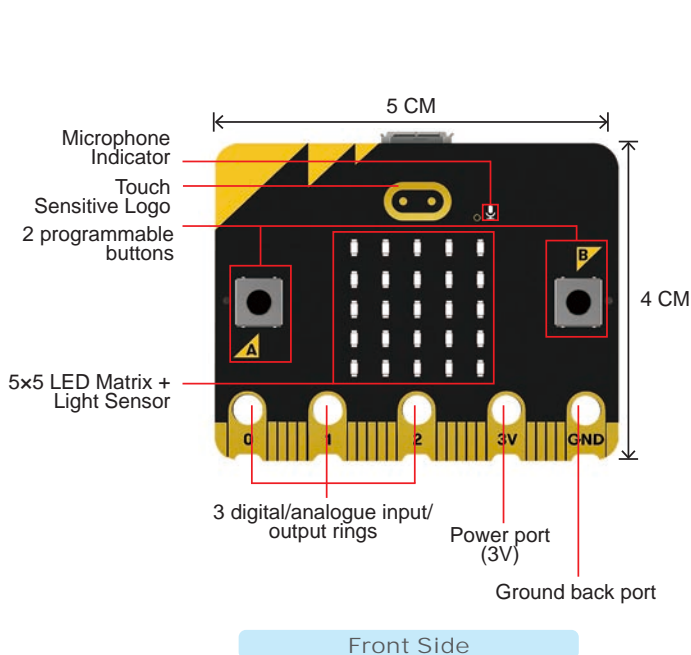


## micro:bit V1.5 mainboard



## micro:bit V2 mainboard



# Entering the World of Coding Blocks

**Before you enter the course, please carefully follow the preparatory steps below.**

**[ Step 1 ]** Install the micro:bit mainboard in the micro:bit control box.

1. As shown in the pictures below, press down with your thumbs and slide upward in the direction of the arrow.

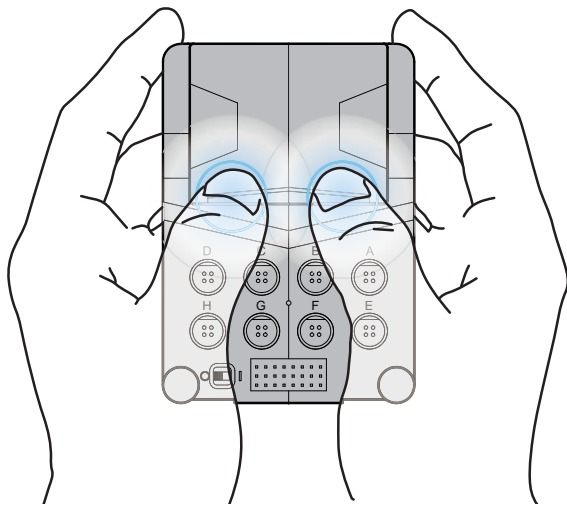


fig.1

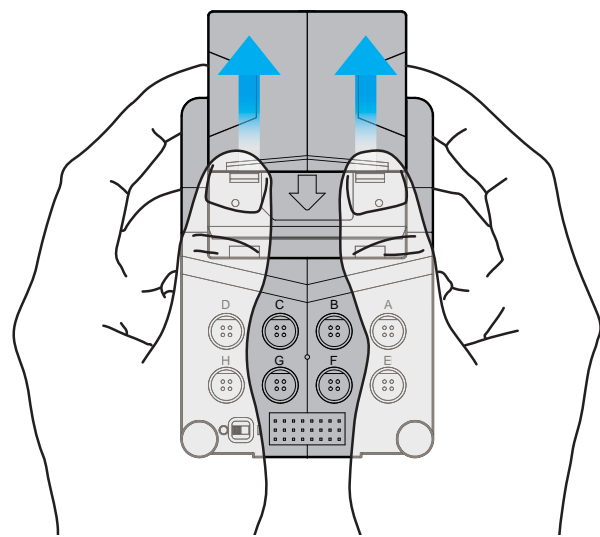


fig.2

2. With the micro:bit LEDs facing upward (toward you and visible), slide the micro:bit mainboard into the control box slot.

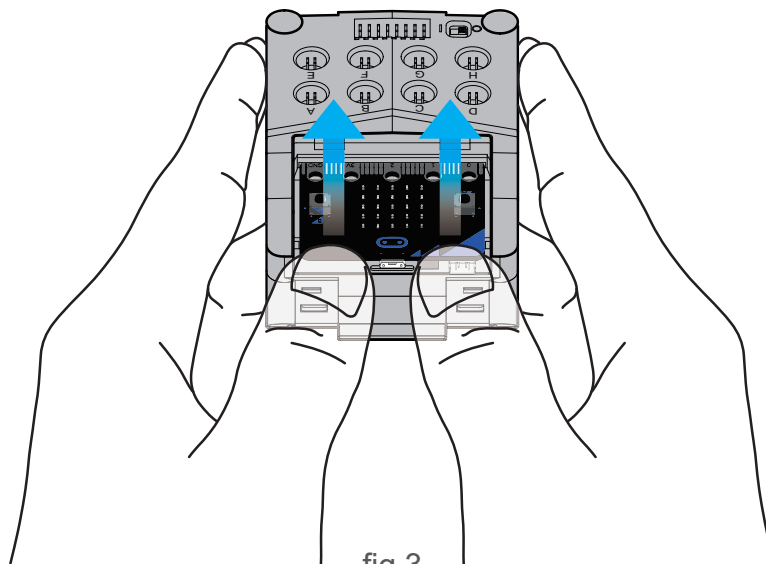
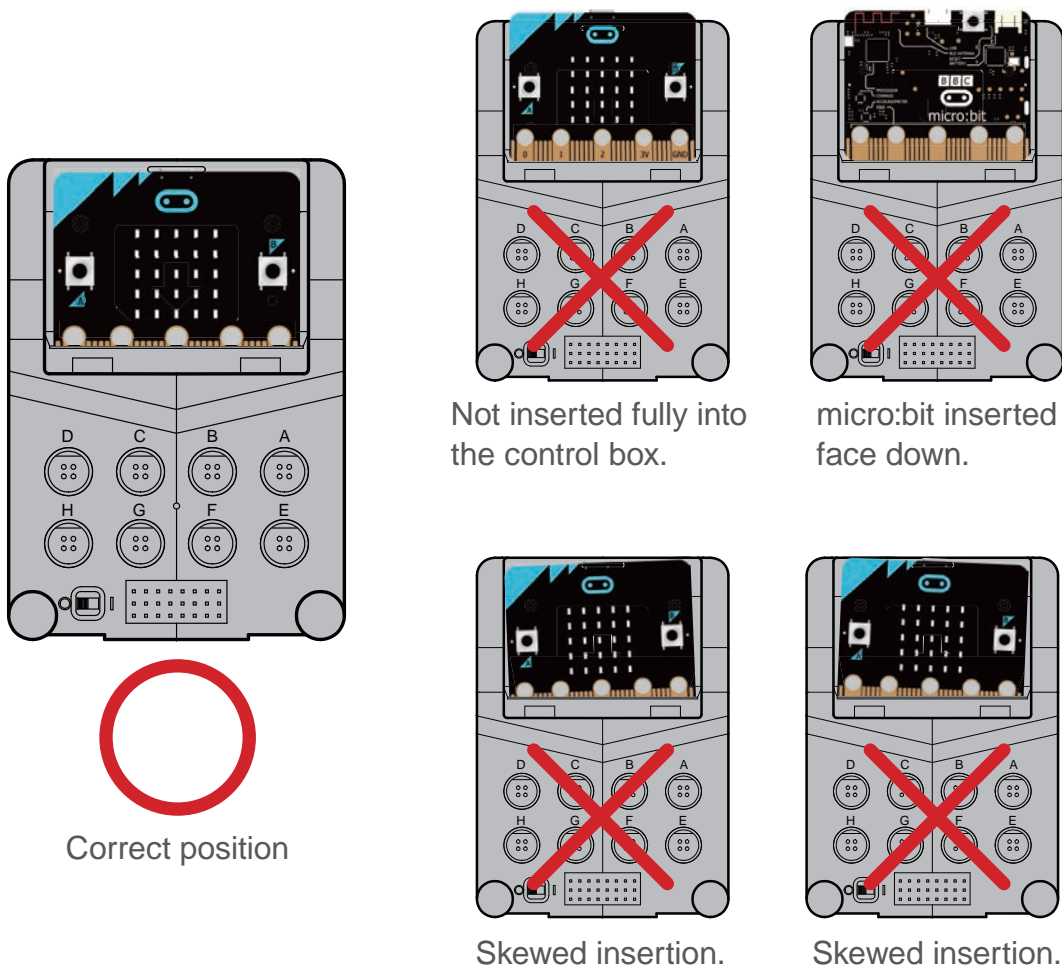
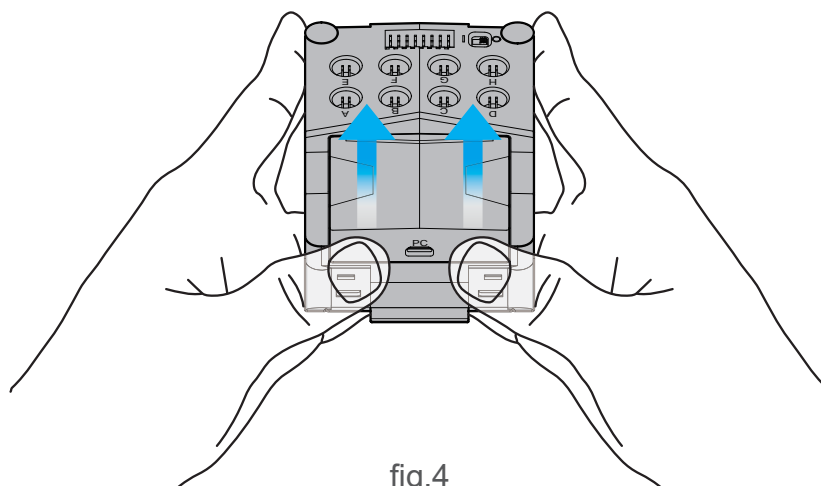


fig.3

3. The micro:bit mainboard should fit flush with the sides as shown in the large picture below. If it is not, please remove it completely, ensure there are no obstructions and then try again. Make sure it is pushed in straight and not skewed.



4. Put the upper cover on the control box and slide it back into position.

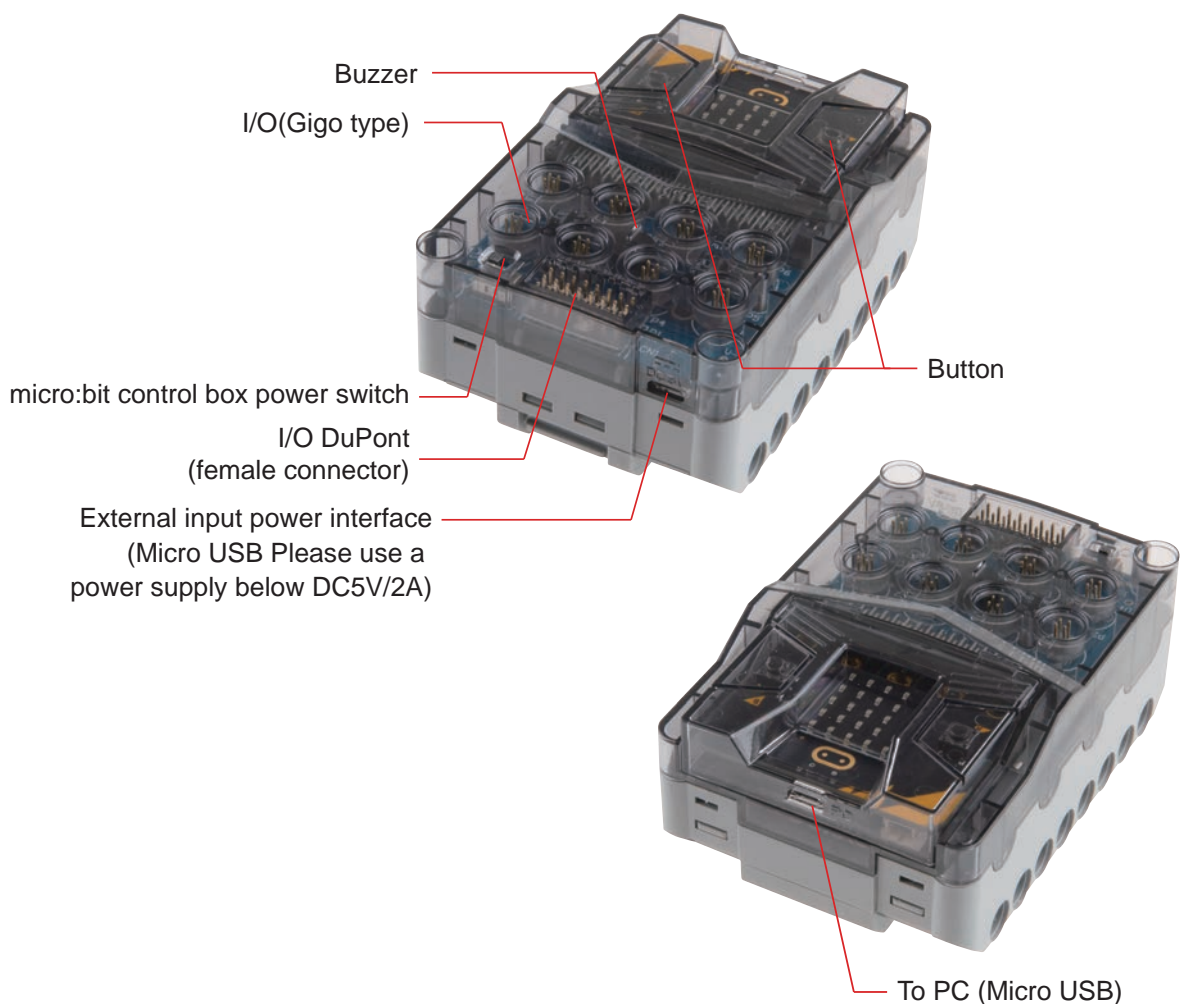




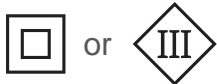
# Entering the World of Coding Blocks

## micro:bit control box

As shown below, the micro:bit control box uses six AA batteries, with 1 external input power interface (female micro USB). Use a power supply around DC 5V/2A (a similar power level to a tablet charger, no more). Batteries cannot be charged while in the device, any batteries in the device will stop being used when it is plugged in. There is also a built-in buzzer, 8 sets of I/O (Gigo type) and 8 sets of I/O DuPont connectors (see the micro:bit pin configuration diagram for details). These I/O interfaces provide micro:bit external connections to the 50X PLANETARY GEARBOX (DDM), 180° SERVO MOTOR (METAL GEAR), LINE SENSOR, FORCE SENSOR, and other devices. Users can also purchase other compatible sensors or servo motors.



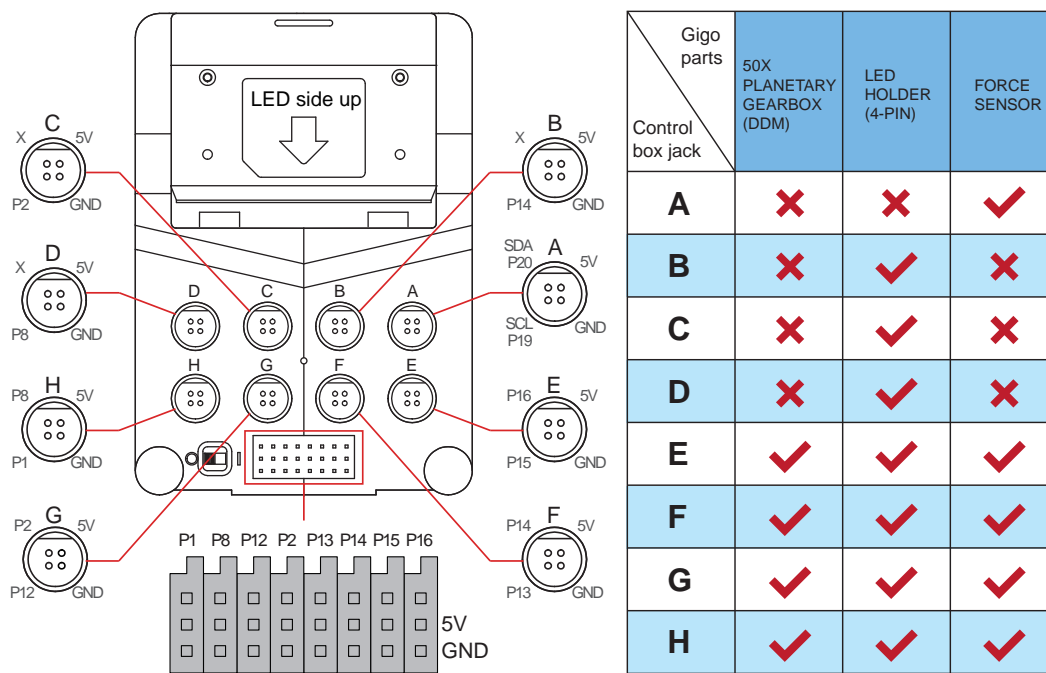
- Only for use by children aged 10 years and older.
- Keep the instruction since it contains important information.
- The toy is only to be connected to equipment bearing either of the following symbols.



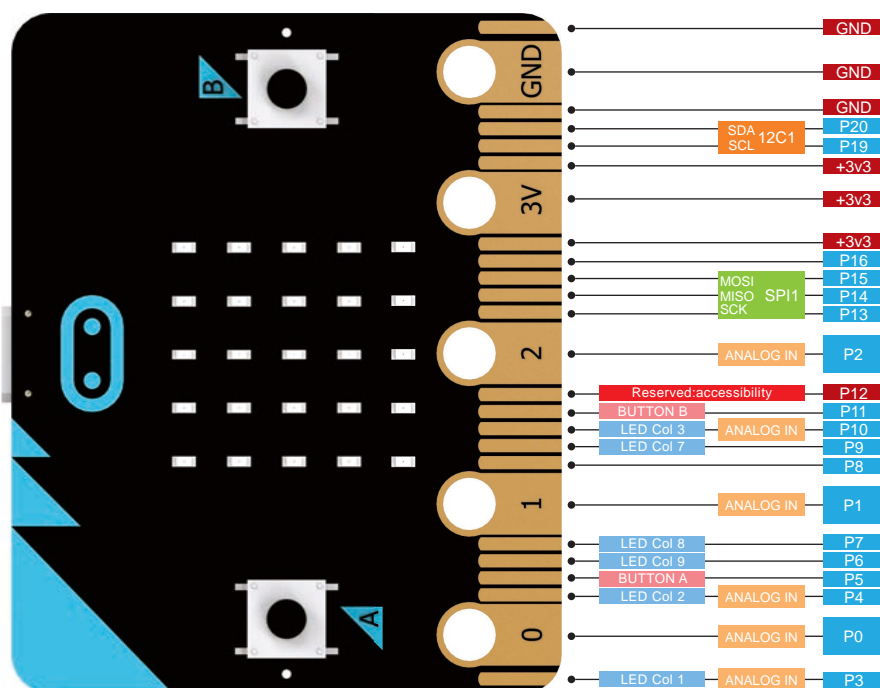
### - Installing batteries in the core controller

Push the tab in and slide the transparent cover open. This takes some force, so an adult might need to help. Insert the batteries according to the indicated plus-minus polarity. Close the compartment by snapping the cover back on.

## micro:bit master pin configuration



I/O pin configuration diagram  
(for female DuPont connectors)



## micro:bit Pin-out Diagram