

Specification of MPBOT 609



The Micro-Brain Programming Robot MPBOT 609 for kids aged 5-8 is an innovative AI educational robotics kit independently developed by Nashenbot. Specifically designed for kindergarten senior classes and primary school lower grades, this cutting-edge system enables students to experience AI programming and grasp foundational concepts without requiring computers or tablets.

Compatible with existing building block systems like Lego Early Simple Machines Set 9656, the MPBOT 609 comes with a comprehensive curriculum that allows young learners to progressively master programming concepts through hands-on activities.

The product includes 1 set of controller, 2 motors, 2 sensors, 1 green light, 1 red light, 2 types of wheels and more than 100 building blocks.

- 1 Controller, built-in 1 128*64 pixel display screen, 1 buzzer, built-in blue=tooth module, no less than 20 main body programming buttons, it can support three modes, include real-time control, physical programming (key-press sequence programming) and wireless programming (Bluetooth wireless Scratch programming). It includes 2 RJ11 motor ports, 2 RJ11 sensor I/O ports and 1 USB-type-c charging port (built-in charging indicator), it is compatible with LASY and LEGO construction systems;
- 2 Open-loop motors, rated speed $30\text{RPM} \pm 10\%$;
- 2 lights, working voltage 5v, color range RGB0~255, luminous angle 120° ;
- 1 Sound sensor, working voltage 5v, detection range 20~90dB, interface type analog output;
- 1 Infrared sensor, working voltage 5v, detection range 5~20cm, detection accuracy $\pm 2\text{cm}$ (white surface reflection), interface type analog output;

1 lithium battery, built in controller, discharge voltage 3.7V, discharge capacity not less than 1200mAh, maximum charging voltage/current 5V/1A (charging port);

There are no less than 100 building blocks, which are compatible with Lego building expansion.

Controller *1



Motor *2



Red light *1



Green light *1



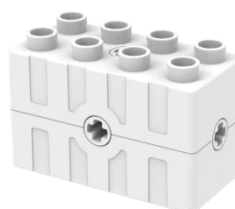
Infrared sensor *1



Sound sensor *1



Spindle box*2



Sensors cable
(30cm) *4

Software:

Software name	Image
Micro-brain programming	