Quick manual

Must see before use

Please be sure to watch the tutorial materials, which details the functions of mibit robot and how to program it.

Tips: if you have any questions about the product in use, please contact us in time to ensure that you can get professional and high-quality service in time.

The contact channels are as follows:

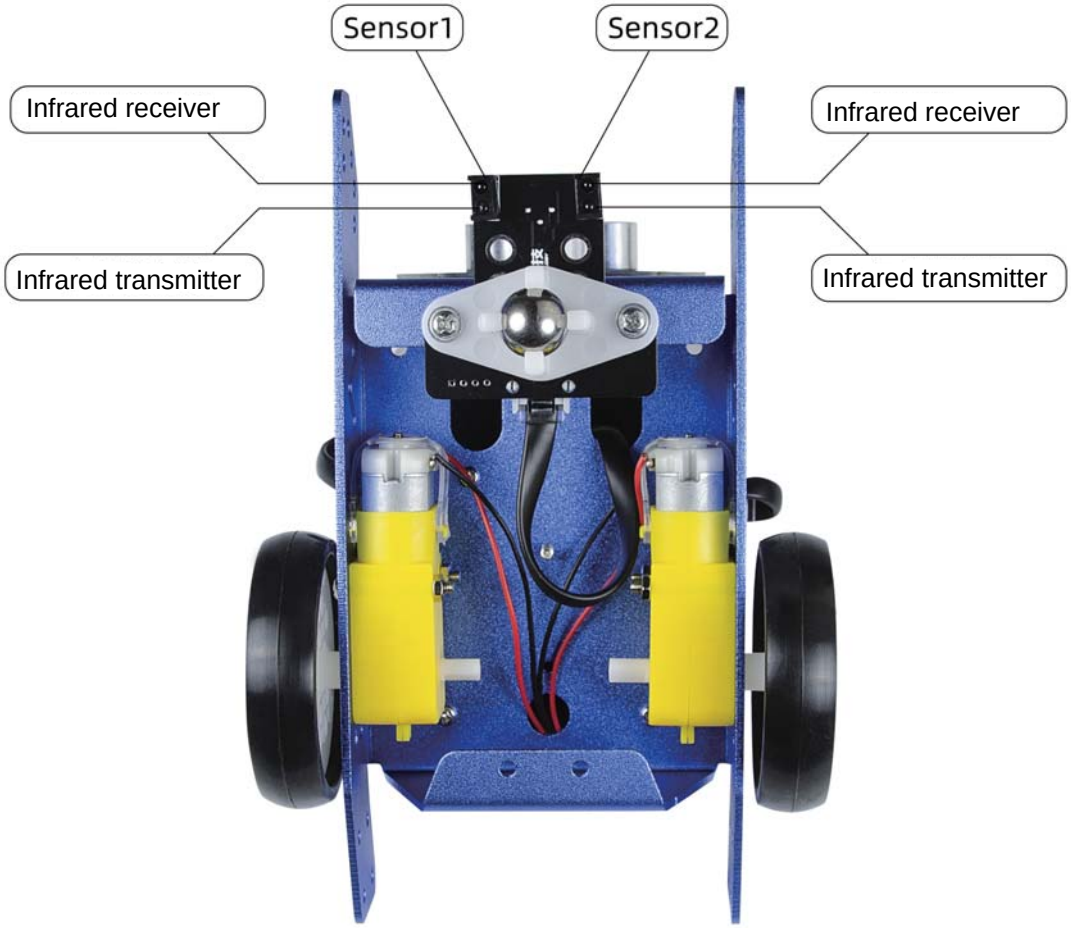
1.Tel: 0755-33531144

2. Official website: http://xiao-r.com/

一. Equipment introduction

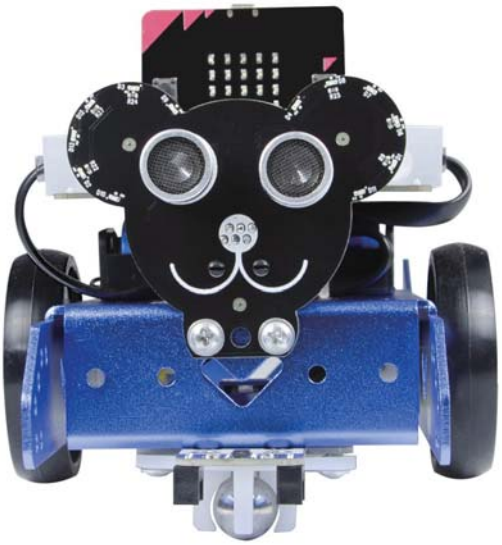
1.1 introduction to mibit

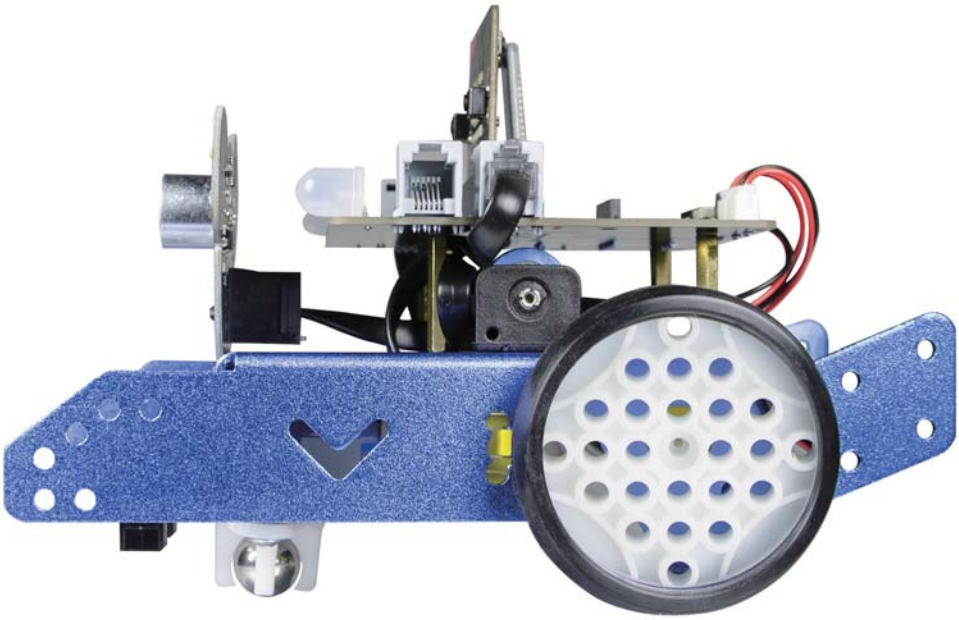
This is a mibit robot produced by little R technology. It has a small and lovely appearance and a graphical programming kernel. Using the current popular micro bit development board of steam education, the programming picture is simple and interesting, and children can easily get started. It can not only be a fun companion for children, but also let children learn programming knowledge, exercise their mathematical and logical thinking, and upgrade their education !

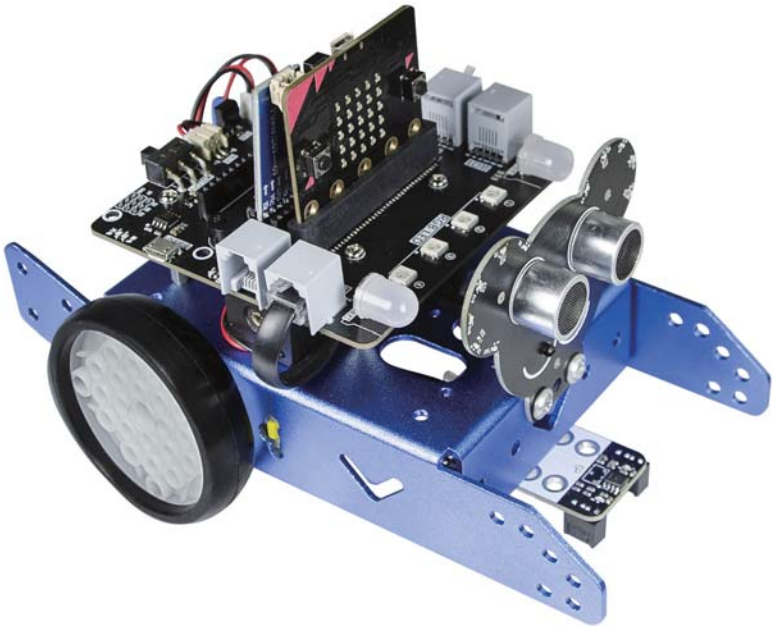


1.2 equipment information

1.2.1 equipment picture







1.2.2 parameter specifications

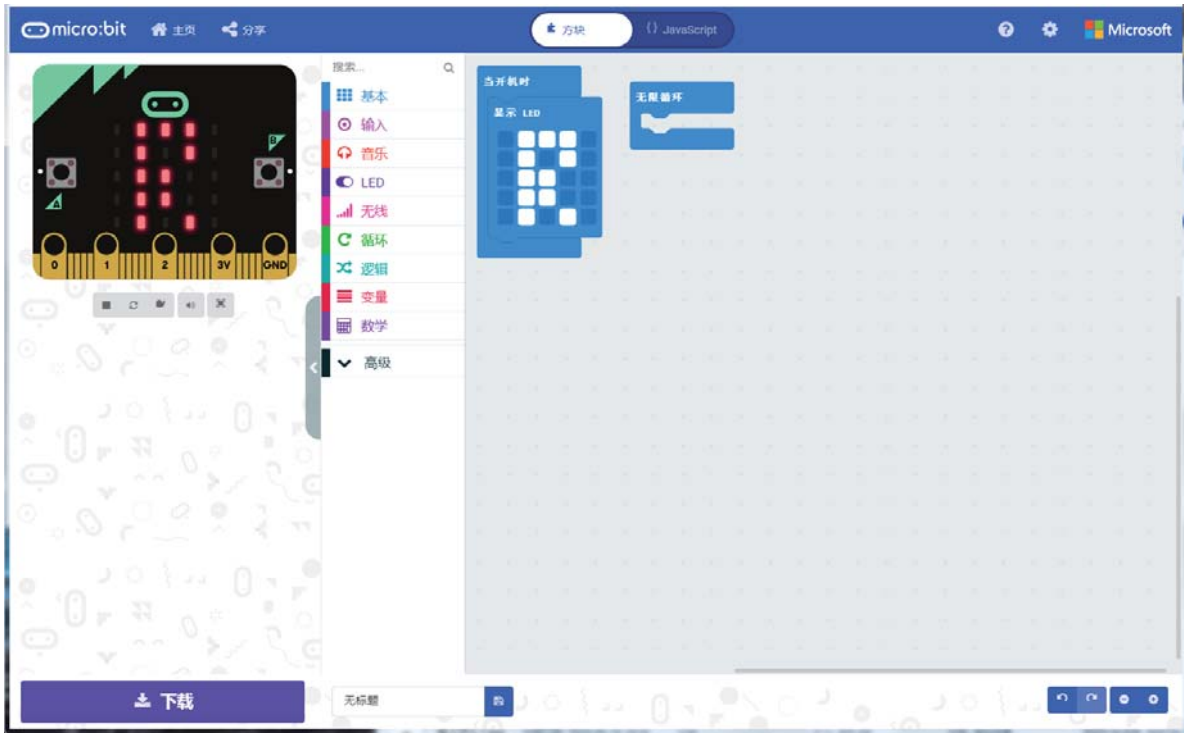
Product size: 185x123x125mm product weight: 220g

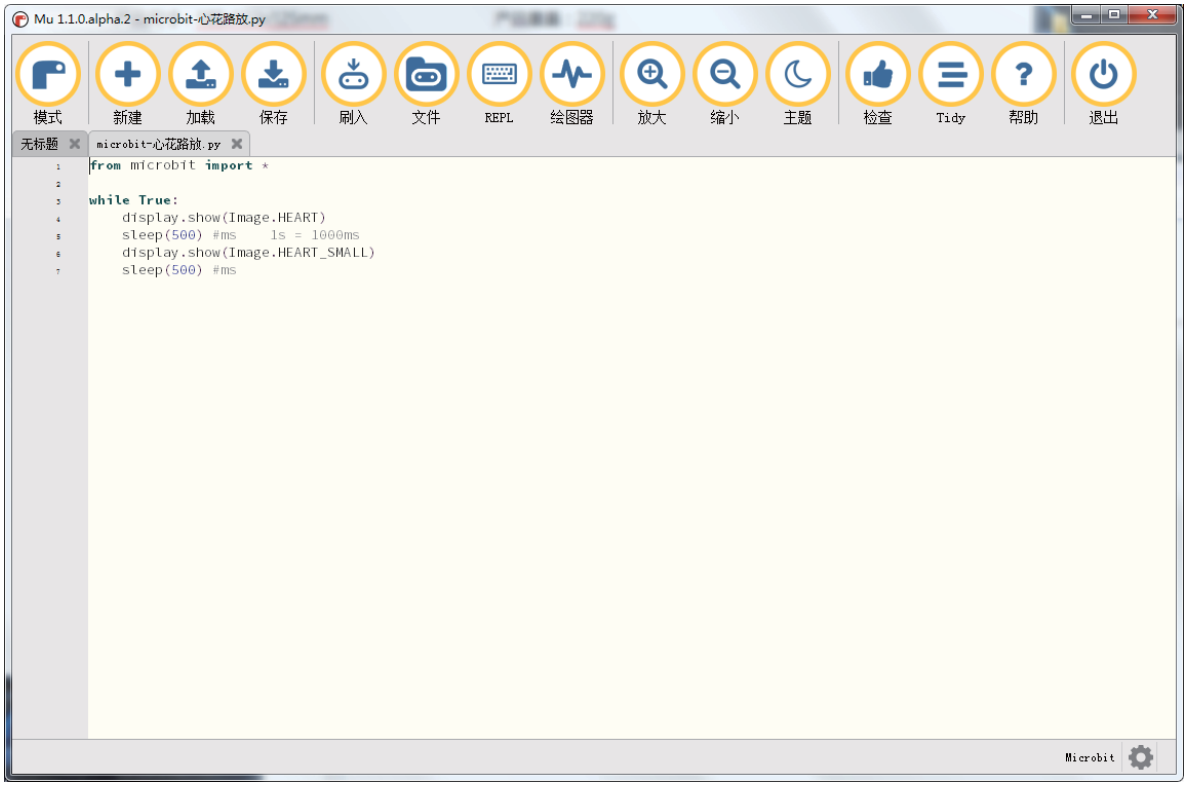
Body material: aluminum alloy product battery: 3.7V lithium battery (USB charging)

Hardware: xr-9g steering gear / mainboard / drive board

endurance: about 2 hours

Main controller: microbit programming software: mobile app / Microsoft makecode





`MakeCode/Micropython编程界面`

Steering gear parameters

Model: xr-sg90

Weight: 9g

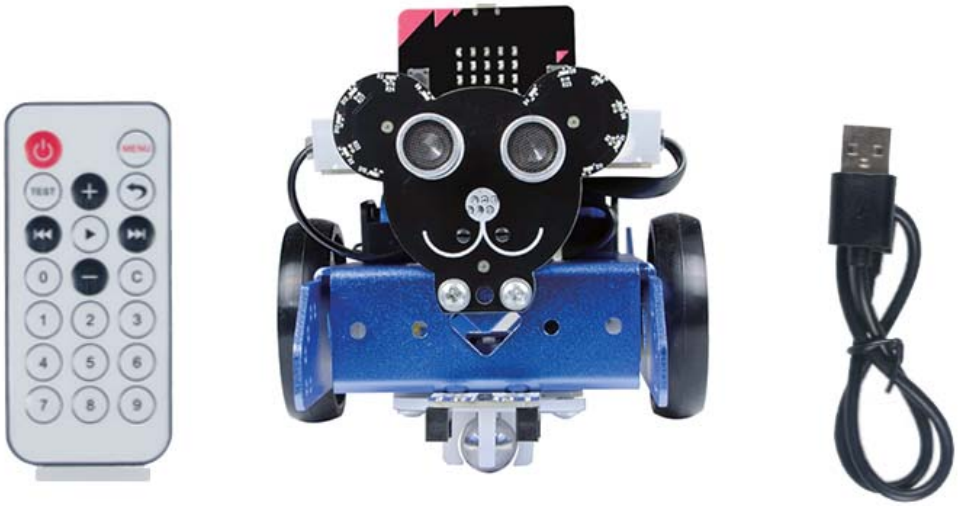
Reaction speed: 0.12 ~ 0.13/60 °

Working torque: 1.6kgf/cm

Corner angle: 180 °

Plug type: Jr / Futaba general

1.2.3 configuration list



二. Product performance

2.1 product features

1. there are many sensors ： Mibit integrates infrared obstacle avoidance sensor, infrared remote control receiver, ultrasonic, buzzer, RGB LED headlamp, RGB color lamp electronic module and WiFi module, leaving more imagination space for customers to complete different ideas and play methods.
2. graphic programming ： mibit adopts the micro bit development board, which is specially designed for primary and secondary schools. With graphic programming, the entry threshold is low and easy to use.
3. multiple control methods ： support infrared remote control, wechat applet and mobile app control.
4. interesting programming ： mibit supports the graphical makecode programming and micro python programming.
5. super long endurance： ultra low power consumption, endurance up to 120 minutes!
6. simple assembly ： modular assembly.
7. detailed course ： hands-on teaching, rich playing methods

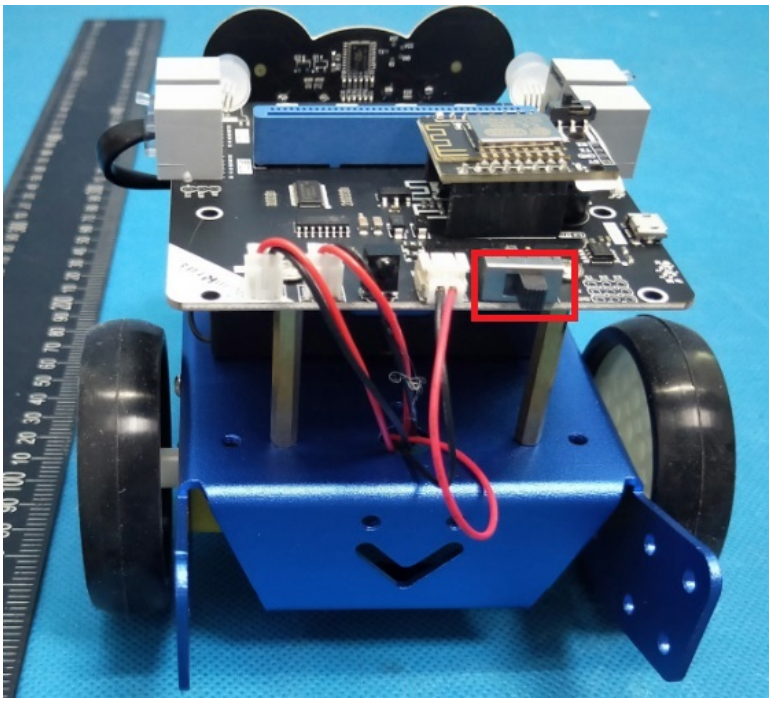
2.2 product functions

Mibit factory default infrared control function, can use infrared control at hand, can complete the basic control operation, color lights show off, ultrasonic ranging and singing happy birthday song.

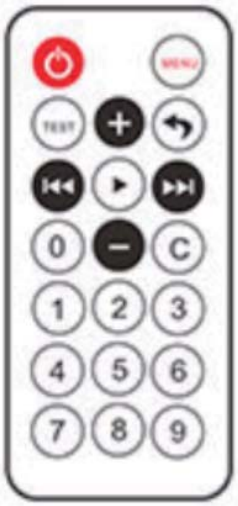
Ultra multi sensor, more functions to be developed by you!

2.3 basic use of mibit

1. unpack and take out the machine body and turn on the switch



2. the infrared remote controller can be used for remote control after power on (the default factory is infrared control)



Infrared operating instructions

3. if you need Bluetooth control of mobile phone, you need to burn Bluetooth delivery program additionally

Open the software and click the Bluetooth logo on the upper right corner

select micro: bit after searching in the upper right corner

return to the main interface green Bluetooth means connected, click play

choose mibit to play

Ⅲ. Data preview

In order to let more users to learn and use, we give a large number of PPT materials to facilitate everyone to learn, and at the same time, we lower the threshold of parents' use. As long as you can use the computer, you can interact with the PPT materials and children provided by us.

Scan the QR code below for information:

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.
This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.
This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

NOTE:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.
These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the followingmeasures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

FCC ID: 2AI8A-MIBIT