P1050015 mBot Explorer Kits

SKU: P1050015
WEIGHT: 0.49 KGS
EAN: 6928819509221
PACKING METHOD: Box Packing

Description

• What is Explorer Kits ?

Explorer Kits is an upgraded kit of the makeblock star product mBot. It includes the original parts of the classic kit and further allows children to customize its LED dot-matrix screen.

As an educational and entertaining robot of makeblock, Explorer Kits is quite easy to get started with, which makes it a perfect tool that helps beginners with their STEAM learning (science,technology,engineering, art and maths). Children can build robots into different shapes and learn how to program with the graphical programming software provided by makeblock. In the process, children get hands-on experiences of how fascinating the world of mechanics, electronics,controlling systems and computer science can be.
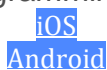
Features

• Explorer Kit has an LED Matrix which is not included in the standard version. This kit allows makers to build three different shapes of mBot.

• The LED matrix display is versatile because children can program to customize the expressions, texts and weather reports on it.

• Parts and components are standardized and user-friendly. Children can build their robots simply with a screwdriver.

• The graphical programming is easy enough for children to create as they want and control the robots to play games, like obstacles avoidance and line-following.

Software

• Makeblock (Mobile):
A standard app for controlling and programming Makeblock robots.
iOS
Android

• mBlock Blocky (Mobile):

Game-based programming software for STEAM education

iOS
Android

• mBlock 5 (PC):

A powerful platform for coding designed for STEAM education

Download

Specifications

Connection mode	
Input	
Bluetooth	
Light sensor, button, IR receiver, ultrasonic sensor, line-following sensor	
Output	
Package Dimension	
Buzzer, RGB LED, IR transmitter, two motors, ports	
G.W : 1171g, DIM(H.W.L) : 8.46*7.09*3.94 inch ; 215*180*100 mm	
Product Dimension	
N.W : 485.4g, DIM (H.W.L) : 7.48*5.12*5.12 inch ; 190*130*130 mm	
Remote Control	
Yes	

Part list

1 ×Mini Wheel
25 ×M4*8 Screw
8 ×M3 Nut
8 ×M4*25+6 Brass Stud
4 ×M2.2*9.5 Screw
3 ×RJ25 Cable 6P6C-20cm
2 ×Motor
2 ×Slick Tire
2 ×Plastic Timing Pulley 90T for Motor
1 × 4AA Battery Holder
1 ×Bluetooth Module
2 ×Motor Parts
1 ×Mainboard mCore
1 ×Ultrasonic Sensor
1 ×Me Line Follower
1 ×2.5mm Screwdriver
1 ×USB Cable
2 ×mCore Case
1 ×mBot chassis
1 ×White Acrylic array board
1 ×3*3*120° Bracket
1 ×HOOk&LOOP
1 x Line-following Track
6 ×M3*25 Screw
10 ×4*7*10 Plastic Spacer

4 ×M4*16+6 Brass Stud
8 ×R2064 Rivet
1 ×LED Matrix
4 ×M4 Nut
10 ×4*7*3 Plastic Spacer
4 ×M4*14 Screw
1 x Quick Start Guide
1 x Building Instructions
1 x IR remote control