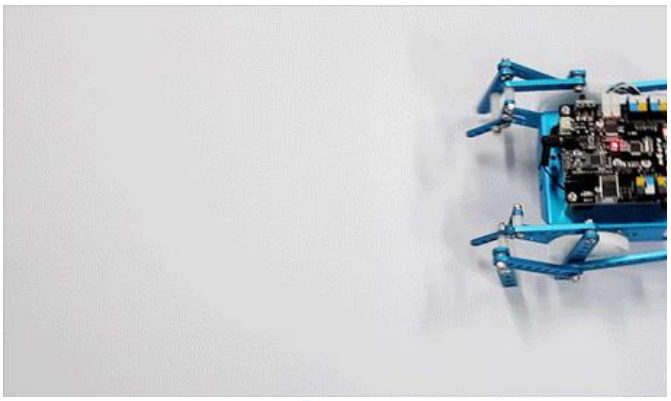
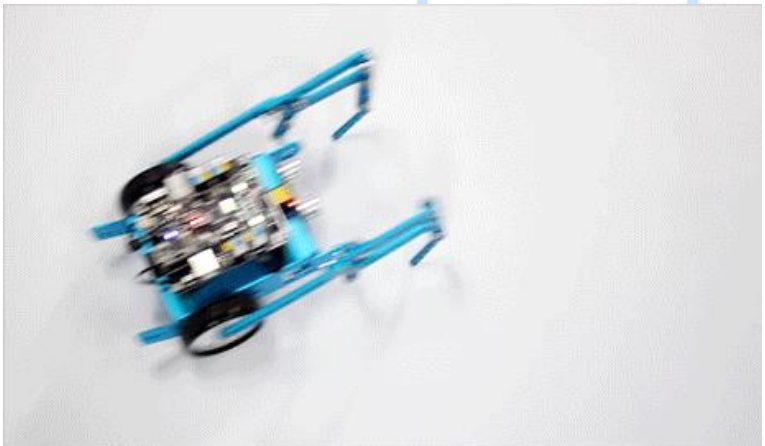
What is mBot six-legged robot?

mBot six-legged robot is a 3-in-1 expansion pack based on mBot.
You can construct "Beetle", "Mantis" and "Crazy Frog" with mBot and the parts inside the pack.
The mBot six-legged robot makes mBot more vivacious and enjoyable. Let's get your six-legged robot move!



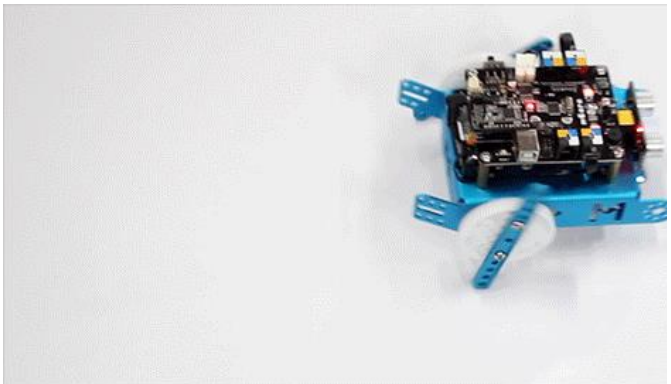
Shape one: Beetle

A six-legged beetle that moves quickly.
It turns around and attacks the enemy promptly!



Shape two: Mantis

It quietly crawls, waving two arms disposedly.
It is the hunter from the darkness,
approaching you, and catching you…



Shape three: Crazy Frog

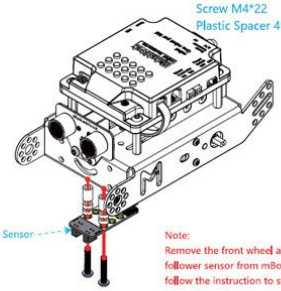
A little crazy frog,
dashes around so madly that,
nobody can stop it.

LEM electronics

Assembling Step of the Six-Legged Robot

1

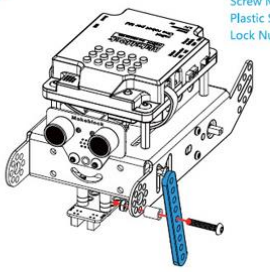
Plastic Spacer 4x7x10mm	x2
Screw M4*22	x2
Plastic Spacer 4*7*3mm	x4



Note:
Remove the front wheel and the line follower sensor from mBot beforehand, then follow the instruction to start building.

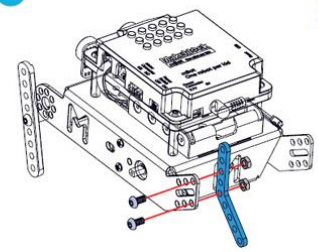
2

Beam0412-076-Blue	x1
Screw M4*22	x1
Plastic Spacer 4*7*10mm	x1
Lock Nut M4	x1



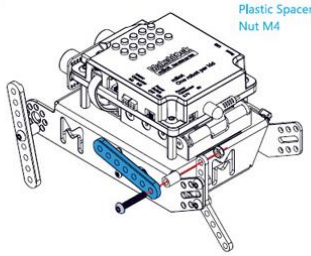
3

Plate 45°	x1
Screw M4*8	x2
Nut M4	x2



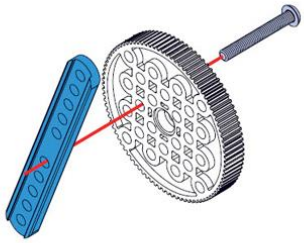
4

Beam0412-060	x1
Screw M4*22	x1
Plastic Spacer 4*7*10mm	x1
Nut M4	x1



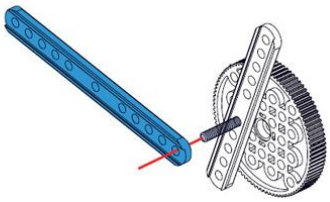
5

Screw M4*30	x1
Beam0412-092	x1



6

Beam0412-108	x1

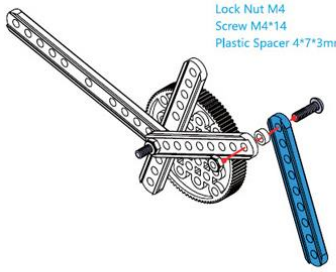


7

Beam0412-076	x1
Lock Nut M4	x1

8

Beam0412-076	x1
Lock Nut M4	x1
Screw M4*14	x1
Plastic Spacer 4*7*3mm	x1



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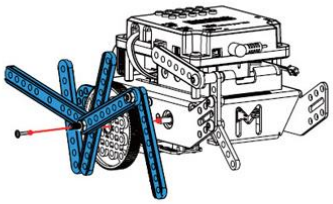
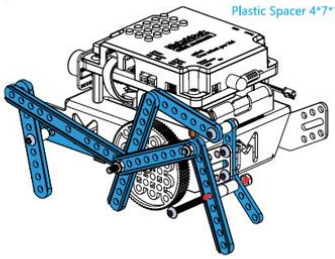


Note:
The self-drilling screw here is the same as the one in the original mBot.

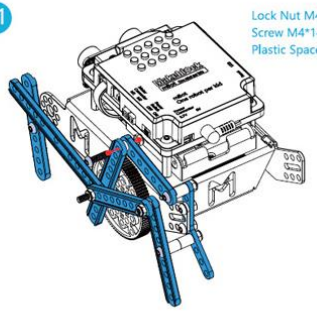
10

Screw M4x35	x1
Lock Nut M4	x1
Plastic Spacer 4*7*10mm	x2



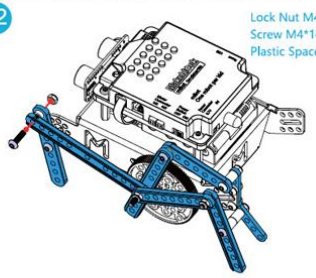
11

Lock Nut M4	x1
Screw M4*14	x1
Plastic Spacer 4*7*3mm	x1



12

Lock Nut M4	x1
Screw M4*14	x1
Plastic Spacer 4*7*3mm	x1



Use the same method to build the other part on mBot. Let's continue to build the six-legged robot!

Specifications

SKU	98050
Model	mBot six-legged robot
Type	Expansion pack
Weight	255g (8.99oz)
Outer packing size (length×width×height)	100×60×150mm

Part List

6 × Screw M4 x 8mm	8 × Screw M4 x 14mm	8 × Screw M4 x 22mm
4 × Screw M4 x 30mm	4 × Screw M4 x 35mm	8 × NutM4
16 × Lock Nut M4	12 × Plastic Spacer 4 x 7 x 10mm	14 × Plastic Spacer 4 x 7 x 3mm
24 × Rivet	2 × Beam0412-108-Blue	2 × Beam0412-092-Blue
6 × Beam0412-076-Blue	2 × Beam0412-060-Blue	2 × Plate 45°-Blue
1 × Wrench M5+M7		

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