
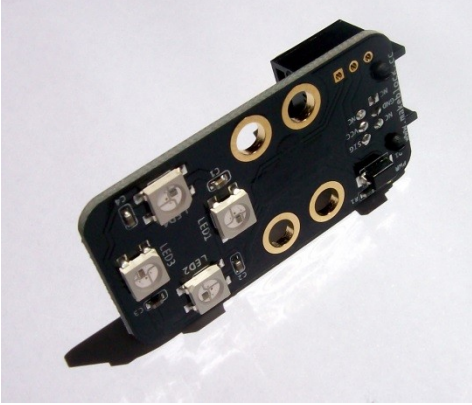

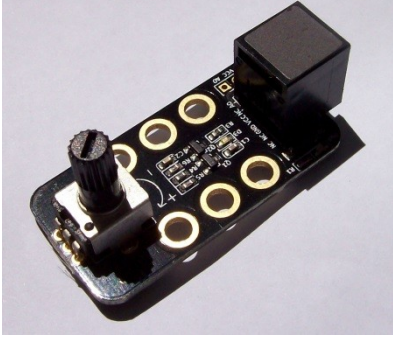
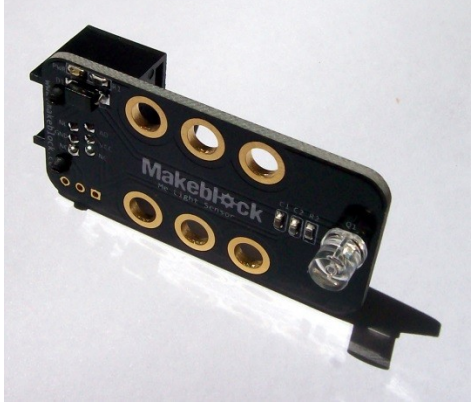
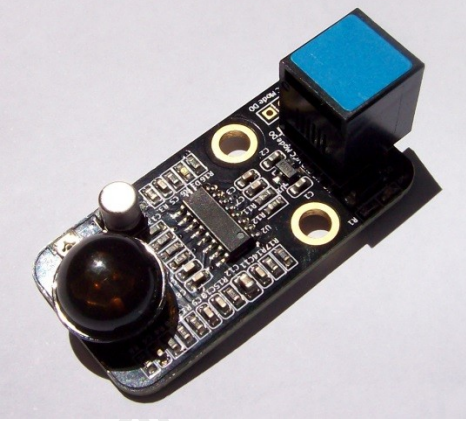
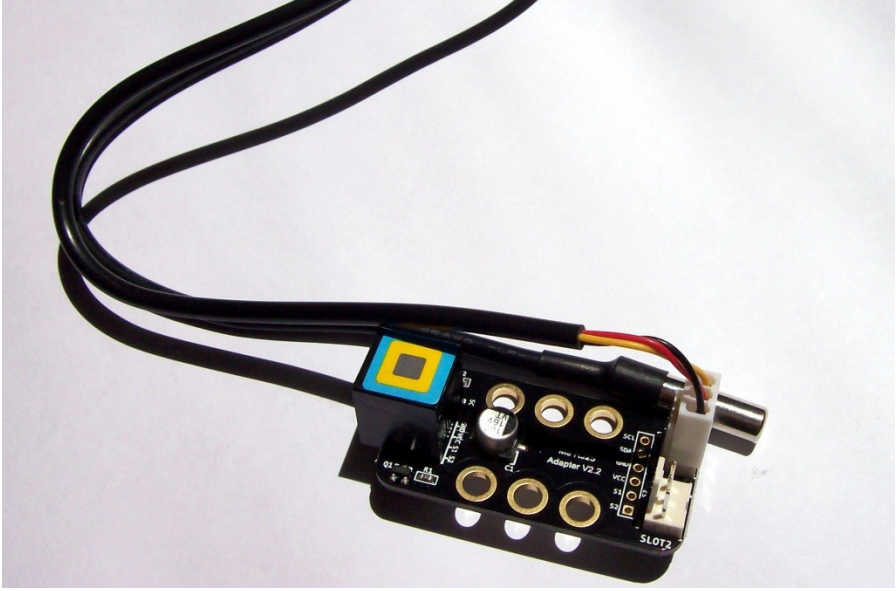


Robotics 1f

mBot Sensor Lucky-Dip

An extension kit is available for the mBots. These provide a number of other sensors and output devices we can investigate. The extension kits contain the following items;

		
4-digit Display	LED Array	Joystick
		
Potentiometer	Light Sensor	PIR Sensor
		
Thermocouple and RJ25 Adaptor		

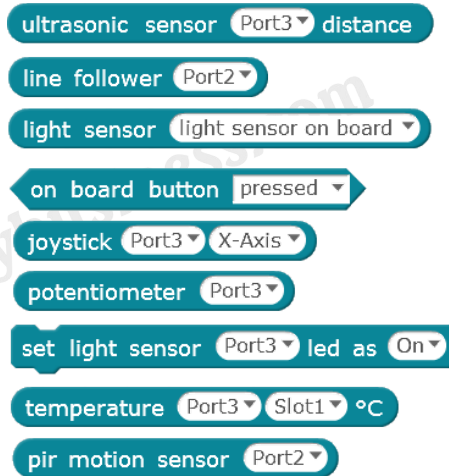
Open Slather

So we have a bunch of devices that are all compatible with the mBot and have corresponding blocks. Try them out and see what you can get them to do.

Ultimately what you are trying to do is make something happen in response to some sort of input. Here are some input devices and output devices to use.

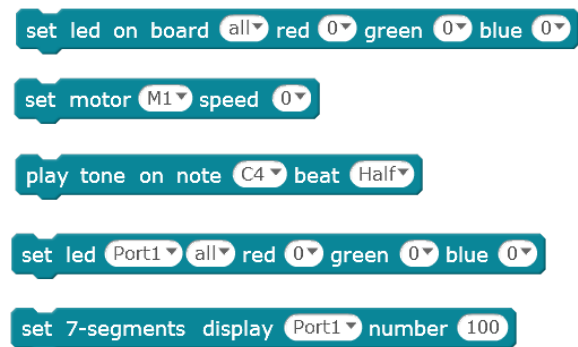
Input devices

- On-board Ultrasonic Rangefinder
- On-board Line Follower
- On-board Light Sensor
- On-board button
- Joystick
- Potentiometer
- Light Sensor
- Thermocouple
- PIR Motion Sensor



Output devices

- Onboard Colour Change LED
- On-board Motors
- On-board Speaker
- External LED Array
- 4-digit Display



See what weird and wonderful combinations you can come up with.

Next Time

Next time we will investigate the wonders of Lego Mindstorm EV3. The Lego Mindstorms EV3 kits will allow us to investigate the other important part of robotics; building a robot chassis.



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