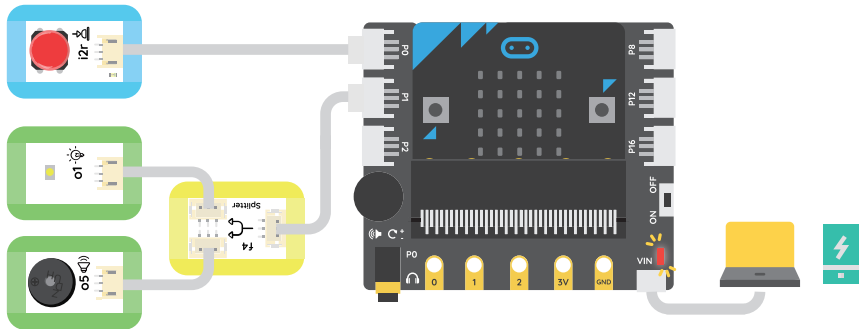


BOSON Project 1 Alarm Device



Connection
Diagram



Note: External power supply needed

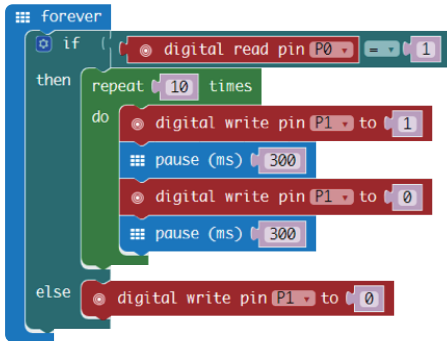


DFROBOT
DRIVE THE FUTURE

BOSON Project 1 Alarm Device



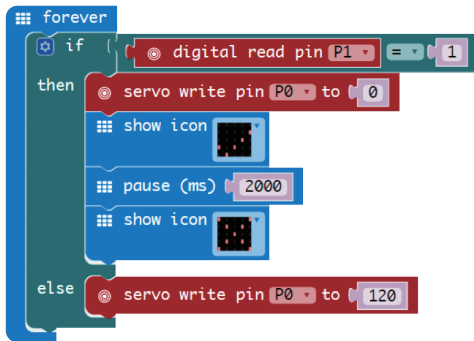
Blocks Editor
Sample Program



BOSON Project 2 Automatic Door

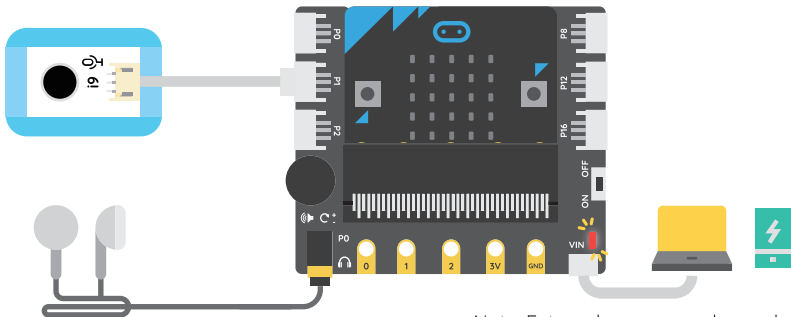


Blocks Editor
Sample Program



BOSON Project 3 Sound Activated Music Player

Connection Diagram

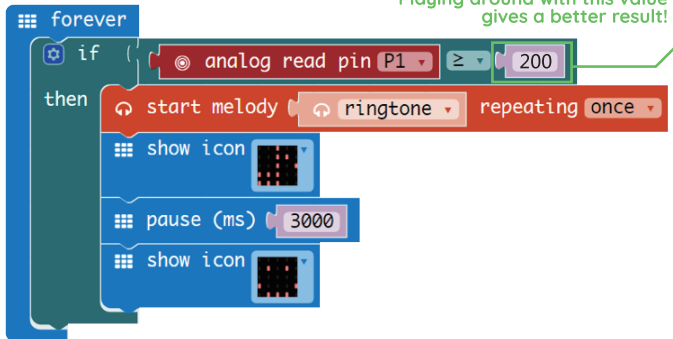


Note: External power supply needed

BOSON Project 3 Sound Activated Music Player

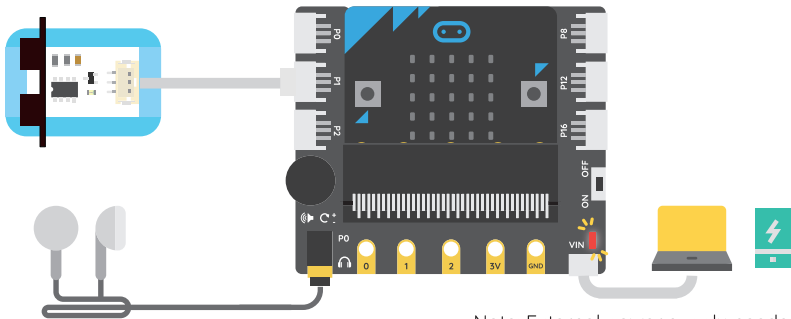


Blocks Editor
Sample Program



BOSON Project 4 Gesture player

Connection Diagram

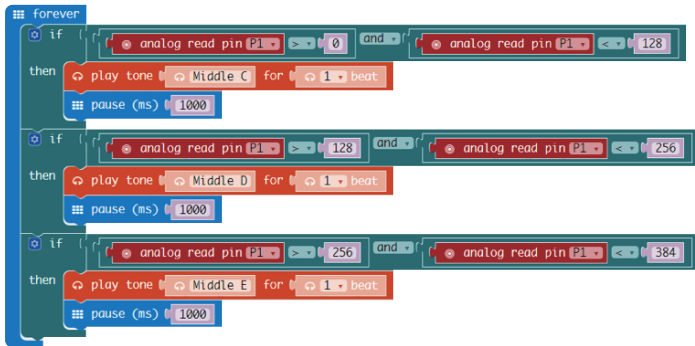


Note: External power supply needed

BOSON Project 4 Gesture player

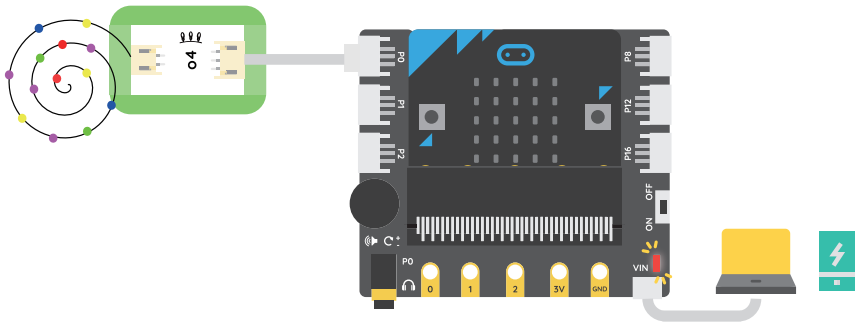


Blocks Editor
Sample Program



BOSON Project 5 Gravity magic lights

 Connection
Diagram



Note: External power supply needed

BOSON Project 5 Gravity magic lights



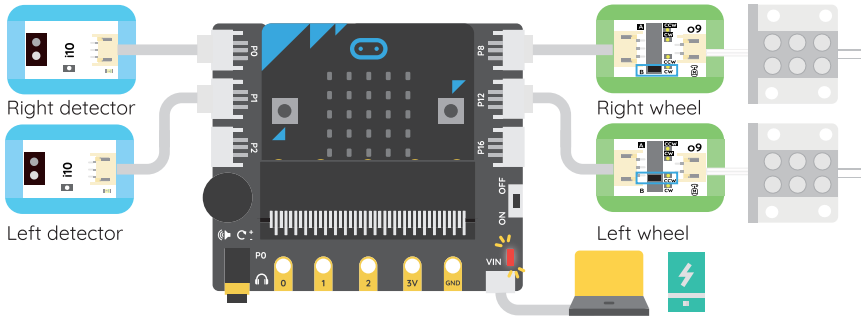
Blocks Editor
Sample Program



BOSON Project 6 Tracing car



Connection Diagram



Note: External power supply needed

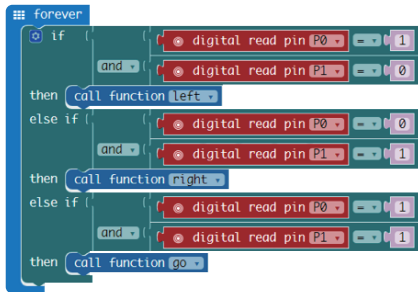


DFROBOT
DRIVE THE FUTURE

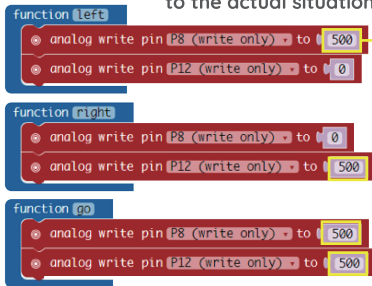
BOSON Project 6 Tracing car



Blocks Editor Sample Program



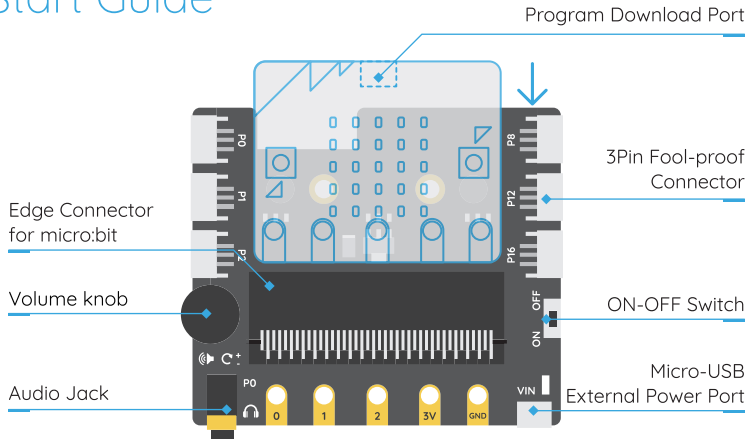
This value is adjusted according to the actual situation.



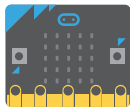
A more detailed tutorial for Tracing Car can be found at
<https://www.dfrobot.com/boson>

BOSON Quick Start Guide

micro:bit Expansion Board for Boson



To get started, you will need following things ready by your hand:



micro:bit



A Computer with
USB port and
internet connection.



Ear pods/headphone
(3.5mm audio connector)

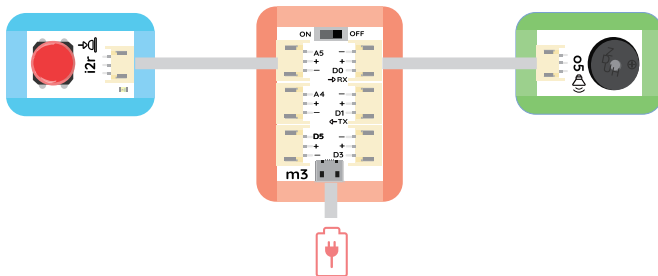


USB power bank
as external power
supply (optional)

→ Start programming, Visit: **makecode.microbit.org**



Connection Diagram



3xAAA Batteries

Note: External power supply needed



DFROBOT
DRIVE THE FUTURE

This project is able to recognize a **pre-recorded gesture**.

To record the gesture, **hold the button** and **make a hand movement** such as drawing a circle or writing a letter.

Now, whenever make the same gesture again, the buzzer will beep!

Note: Hold on the Boson 101 Mainboard in the same direction!

For more detailed instruction, please visit <https://www.dfrobot.com/boson>.