

Get Started with MakeBlock

Time required: 45 minutes

The MakeBlock app is available for Android and iOS. You can remote control the mBot and create programs.

NOTE: The Factory Default Program must be loaded on the mBot for MakeBlock to work. This program is the only way to enable Bluetooth communication with the mBot.

POWER: The MakeBlock app requires power to be entered differently. 0 is stop, 255 is maximum. 127 in MakeBlock would be the same at 50% in the mBlock application.

Watch Video: [Get Started with MakeBlock](#)

Load the Factory Default Program

Whenever you load a new program, the factory default program is erased. This procedure reloads the factory default program if needed. You need to reload the factory default program to use the Bluetooth connection.

1. Run **mBlock**.
2. Power on the robot.
3. Connect the robot to a USB port on your computer with the USB cable.
4. Select **Connect**.
5. Click **Setting → Update Firmware**.
6. Select **Firmware Version → Factory Firmware**.
7. Click **Updates**. The default program loads.

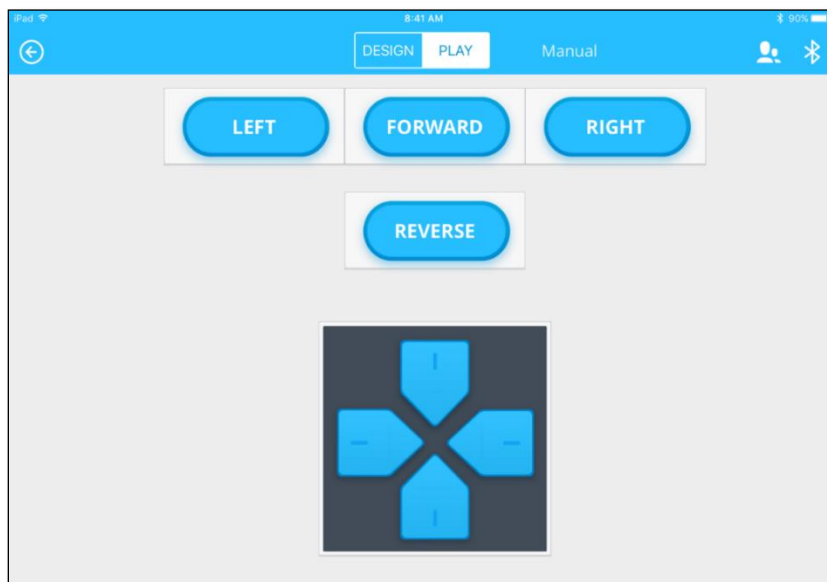
Tutorial Assignment Requirements

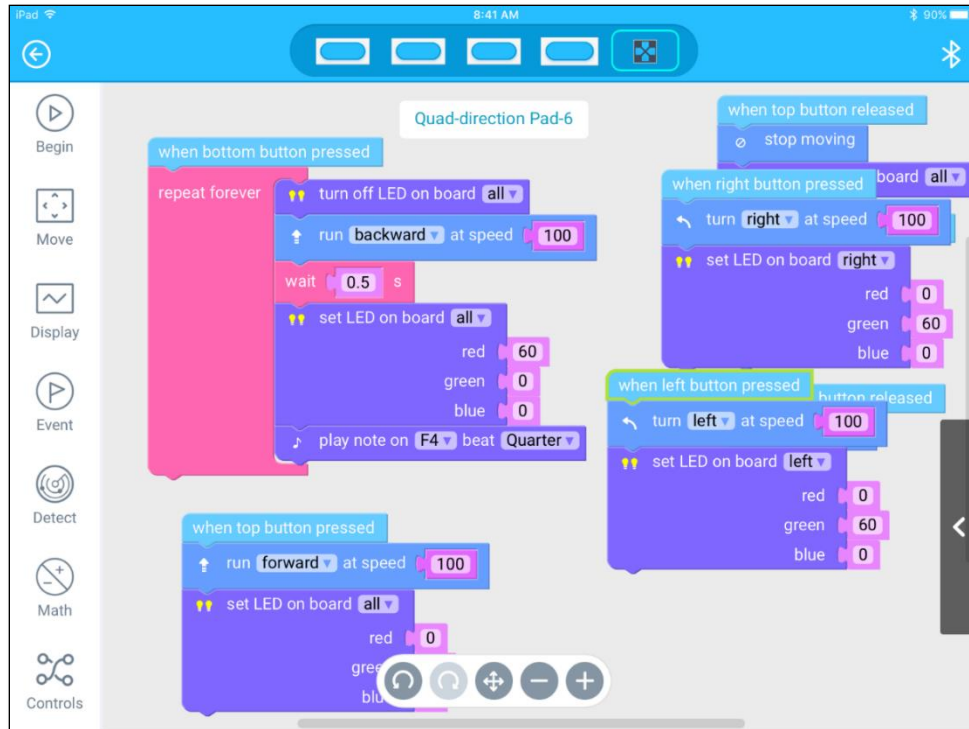
- Download and install the **MakeBlock** app from Google Play or iTunes.
- Pair your portable device with your robot.
- Use **Play** to remote control your robot with the pre-built app.
- Go to **Create** to create a basic app as pictured that makes your robot go forward, backward, right and left. The app is just a sample, as long as your Quad-Direction control and Buttons work, that is good.

- Use 4 buttons and the Quad-Direction control from the Custom category.
- Tap on the buttons and Quad-Direction controls to bring up the code and naming view.

Assignment Submission

- Attach a screenshot from your device of your interface and code for the program.
- The assignment is demonstrated in class or a link to a YouTube video recording showing your robot going through its motions is placed in the submission area in BlackBoard.





Robot Soccer

It's time for some fun with robot soccer!!! Use MakeBlock on your phone to control your robot in a game of soccer.

Assignment Submission

The assignment is demonstrated in class or a link to a YouTube video recording showing your robot going through its motions is placed in the submission area in BlackBoard.