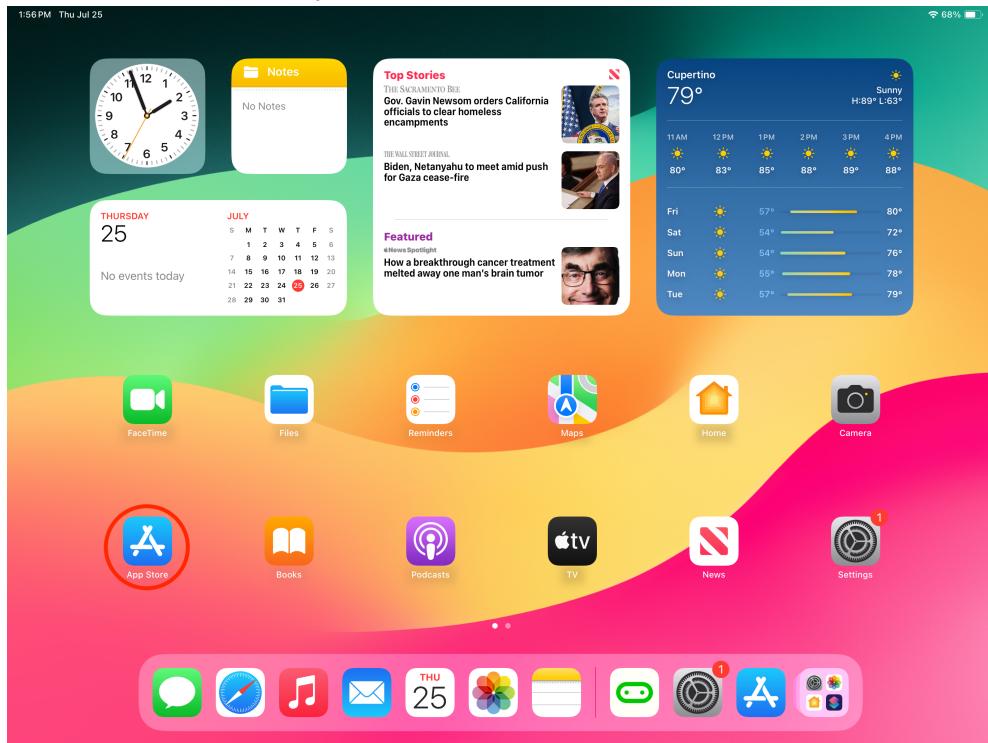


How to Program a Micro:bit Using an iPad

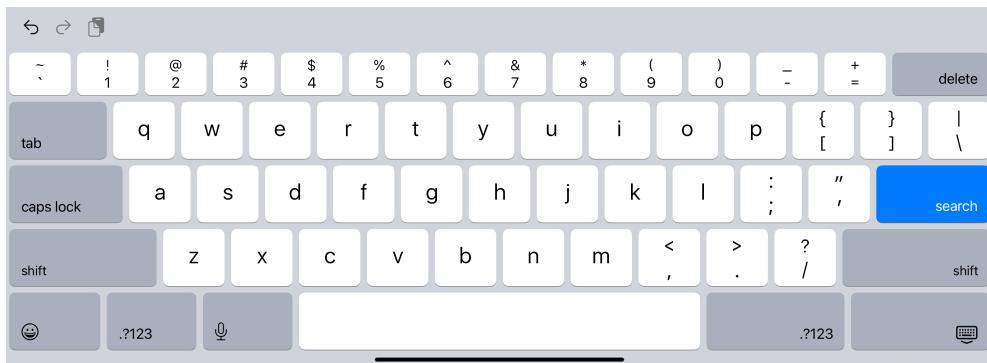
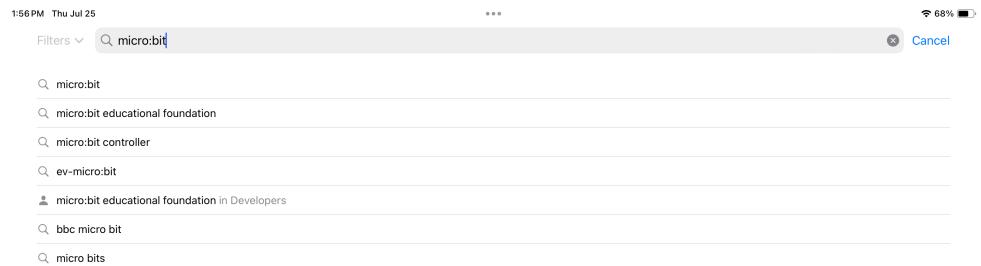
This document provides step-by-step instructions for programming a Micro:bit using an iPad. You will need a Micro:bit, a USB cable, an iPad, the Micro:bit app for iOS, and optionally, a battery pack.

Step 1: Install the Micro:bit App

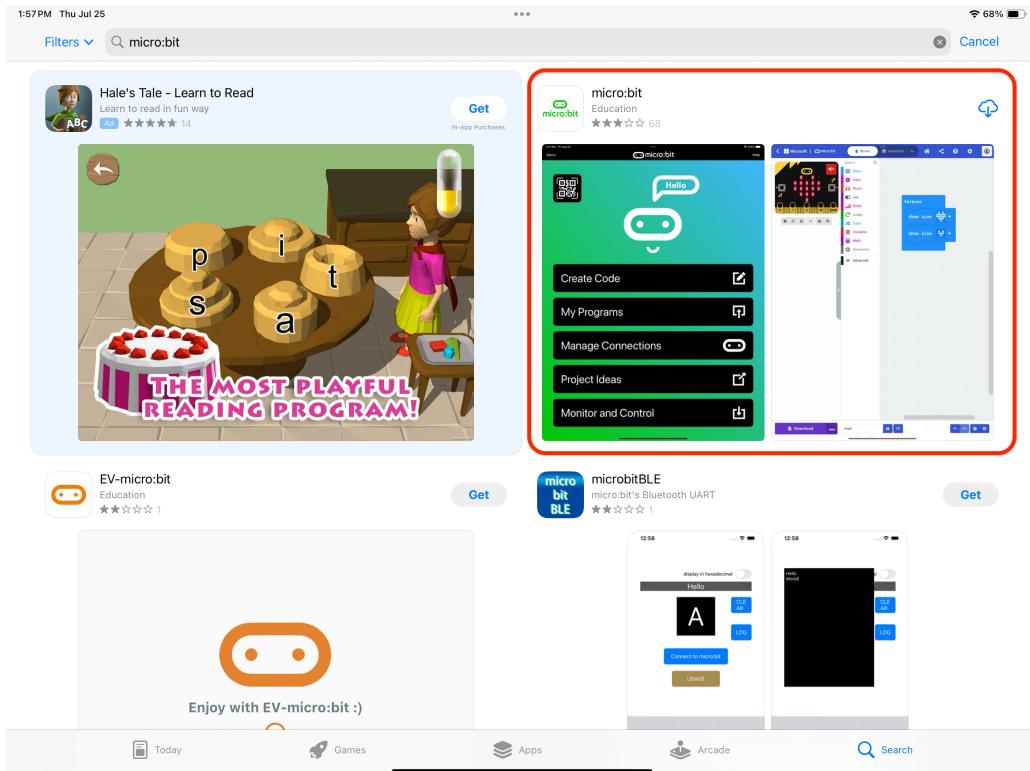
1. Open the App Store on your iPad.



2. Search for 'Micro:bit'.

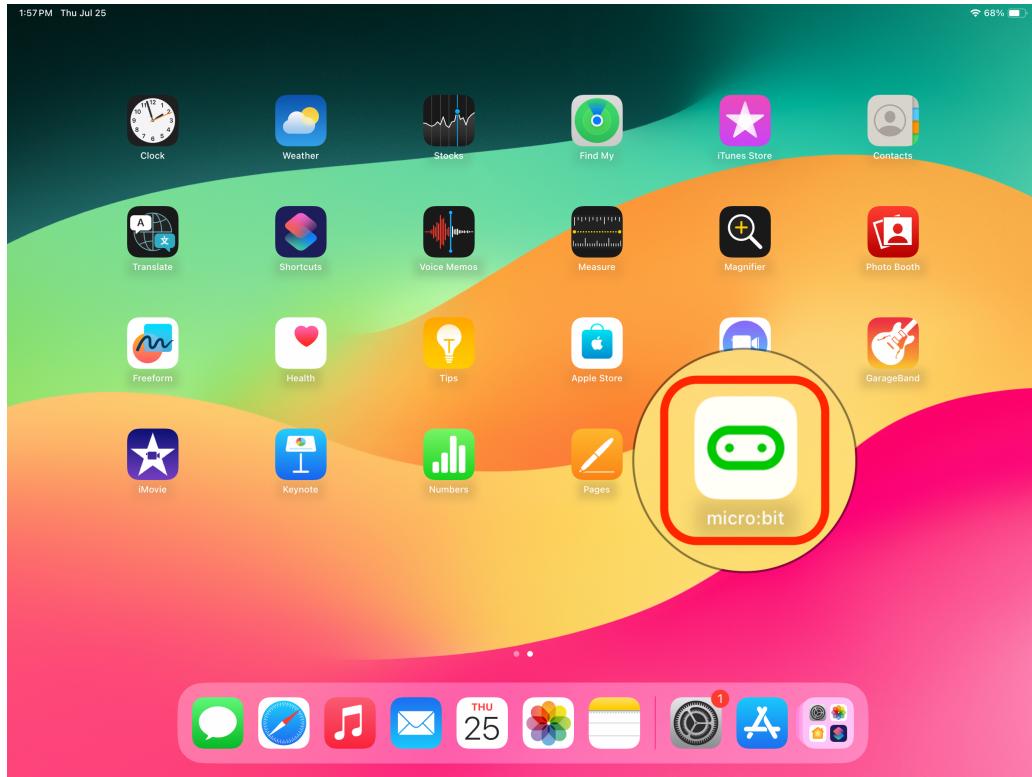


3. Download and install the official Micro:bit app.



Step 2: Connect Your Micro:bit

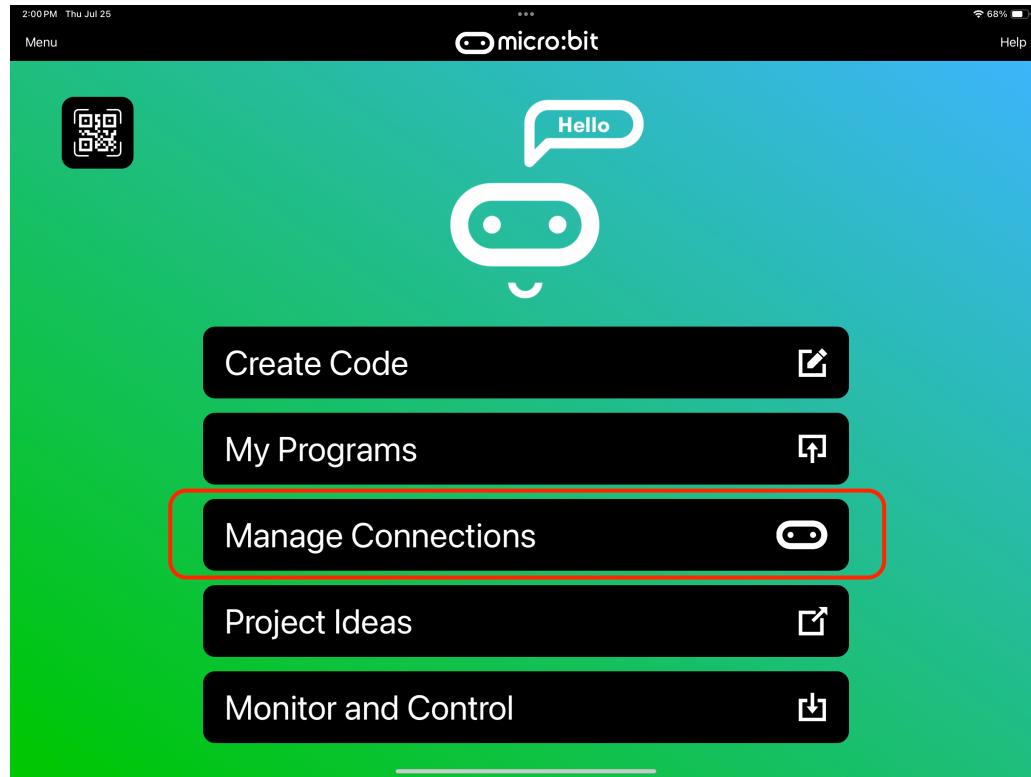
1. Open the Micro:bit app on your iPad.



2. Allow the micro:bit to use Bluetooth



3. Ensure your Micro:bit has power. You can either connect it to a power source using the USB cable or use the battery pack.
4. Select 'Manage Connections' from the menu.



5. Follow the on-screen instructions to pair your Micro:bit with your iPad. You may need to press the 'Pair' button on the app and then hold down the 'A' and 'B' buttons on the Micro:bit while pressing and releasing the 'RESET' button on the back of the Micro:bit.

Step 3: Create a Program

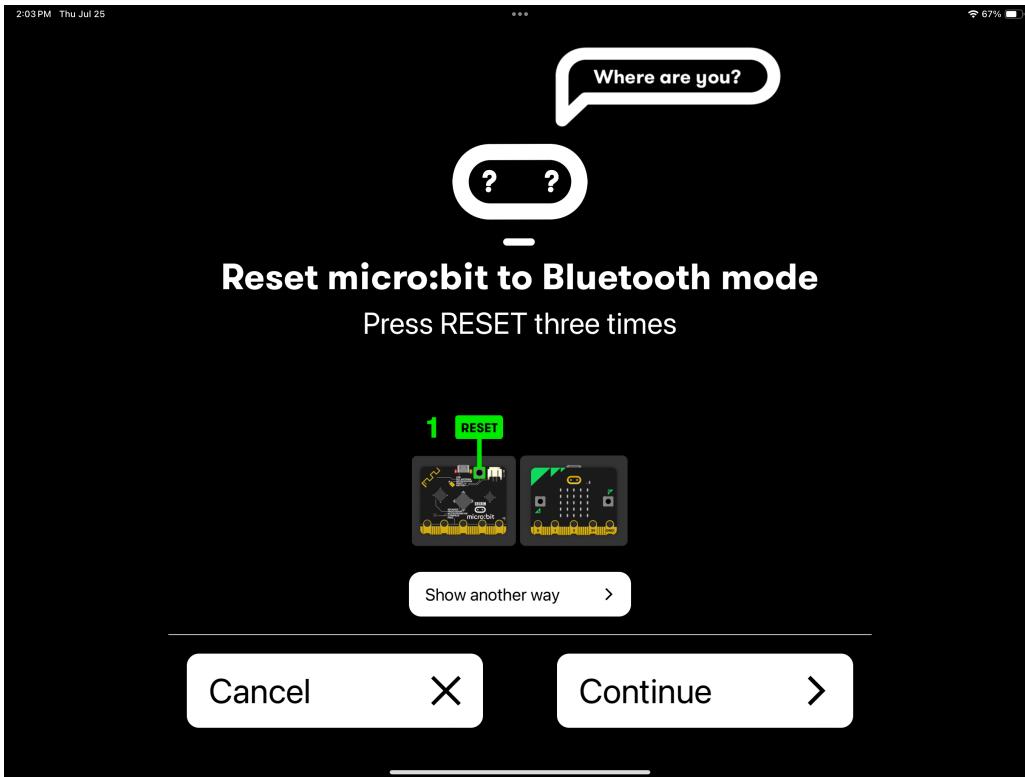
1. Once connected, tap the 'Create Code' button on the home screen of the app.
2. Choose your preferred editor: MakeCode is recommended for block-based programming.
3. The editor will open in this app.
4. Start creating your program using the drag-and-drop blocks or JavaScript.

Step 4: Download the Program

1. After creating your program, tap the 'Download' button in the MakeCode editor.
2. The program will be compiled and downloaded as a .hex file.

Step 5: Transfer the Program to the Micro:bit

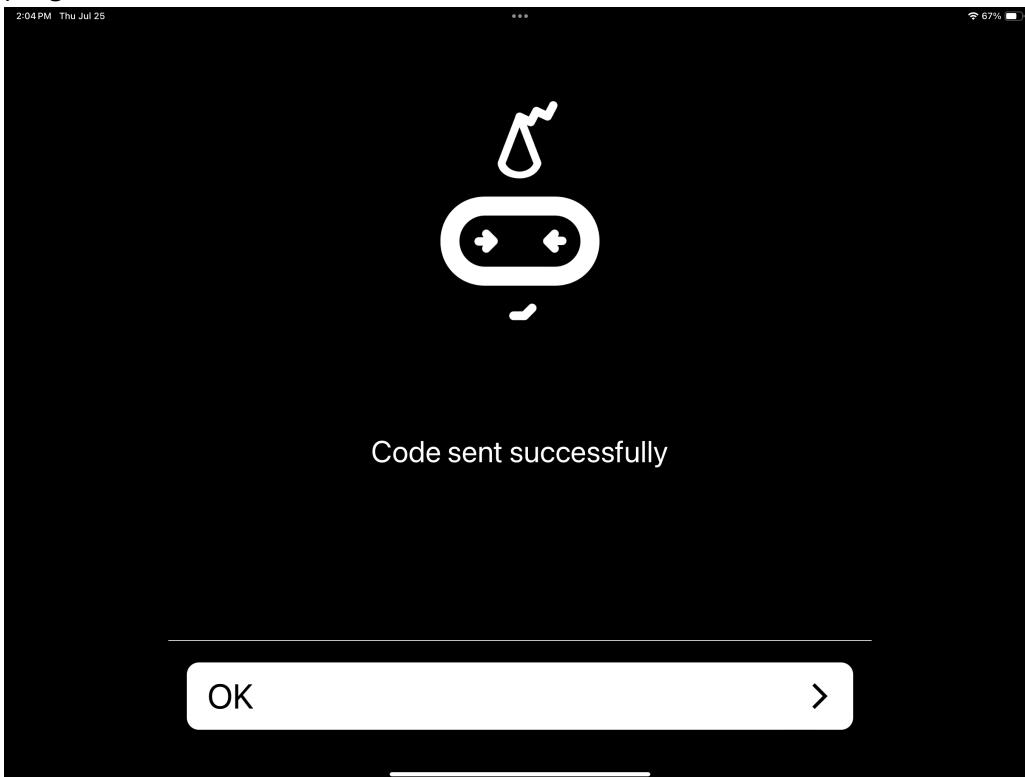
1. After the Download is finished, it will automatically open a page to transfer the program, starting with reset micro:bit to Bluetooth mode



2. Ensure your Micro:bit has power. You can either connect it to a power source using the USB cable or use the battery pack.
3. Following the instruction on the screen.

Step 6: Run Your Program

- Once the transfer is complete, the Micro:bit will automatically start running your program.



- You can test and observe the behavior of the Micro:bit according to your program.

Troubleshooting Tips

Ensure Bluetooth is enabled on your iPad.

Make sure the Micro:bit is within a close range of your iPad for a stable connection.

If the Micro:bit is not responding, try restarting both the Micro:bit and the Micro:bit app on your iPad.

Check that the Micro:bit has sufficient power, especially if using the battery pack.