

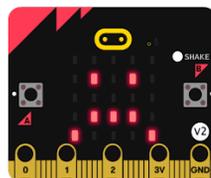
# Micro:bits cheatsheet

## Pairing with iPad

1. Hold down buttons A & B at the same time
2. **While keeping them pressed, tap** the reset button on the back of the micro:bit.
3. Let go of A & B **only once**  **Bluetooth symbol shows**

Note: Sometimes the iPad's privacy settings will need to be changed to allow the micro:bit app to access Bluetooth. Go to Settings>Privacy>Bluetooth, then turn **on** for the micro:bit app.

## Micro:bit frozen or showing error message?



1. Press and hold the reset button on the back until the little light next to it goes out. Then tap the reset button again to turn the micro:bit back on.
2. If that doesn't work, try unplugging battery and plugging back in.
3. Finally, try downloading a new program onto the micro:bit to wipe the old one.

## Downloading code from iPad to micro:bit

1. Check whether the preview of the micro:bit in the MakeCode editor is doing what you expect based on the code created.
2. If so, you're ready to download! Press the Download button.  

3. The app will then begin searching for the micro:bit. It will most likely then prompt you to **put the micro:bit back into pairing mode**.
4. Follow the instructions above to do this, just as before.
5. If it prompts you to retry, press "retry".
6. It should then say "flashing code to micro:bit". Don't touch anything while it does this!
7. When done, the micro:bit may show a tick mark for a moment, and then your code should be working!

## Resources

- Micro:bits Foundation website, with lots of activity ideas and code that's ready to download: <https://microbit.org/projects/>
- More activity ideas can be found at the Raspberry Pi Foundation: <https://projects.raspberrypi.org/en/codeclub/microbit>
- Free online professional learning videos: <https://microbit.thinkific.com/>
- Keep up to date with micro:bits news—they regularly offer free webinars for teachers, including Scotland-specific sessions linking to the CfE: <https://microbit.org/news/>
- Read our Teach CS guide: <https://teachcs.scot.nhs.uk/>



## Have you checked...

- That the battery pack is properly plugged into the micro:bit?
- That the battery hasn't run out? (Try plugging in a different battery pack to check.)
- That the code is actually telling the micro:bit to do what you want it to do?
- Are there two blocks of code that contradict each other?
- Are any blocks of code greyed out rather than in colour? This means they aren't working!

Happy coding!