



Firmware Guide

How to Upgrade your Firmware

The capabilities of your FlowBoard can be expanded and improved by upgrading the firmware. This is not as scary as it sounds. It's really easy - anyone can do it by simply following the steps below.

1

Download the latest firmware package from here:

www.flowpaw.com/files/firmware.zip

Unzip the files to a folder on your PC. There are three: the updater program **mikroBootloader USB HID.exe**, the firmware (a **.hex** file) and an instruction PDF which matches the instructions you'll find here.

2

Make sure your FlowPaw is connected to your PC.

Run  **mikroBootloader USB HID.exe**

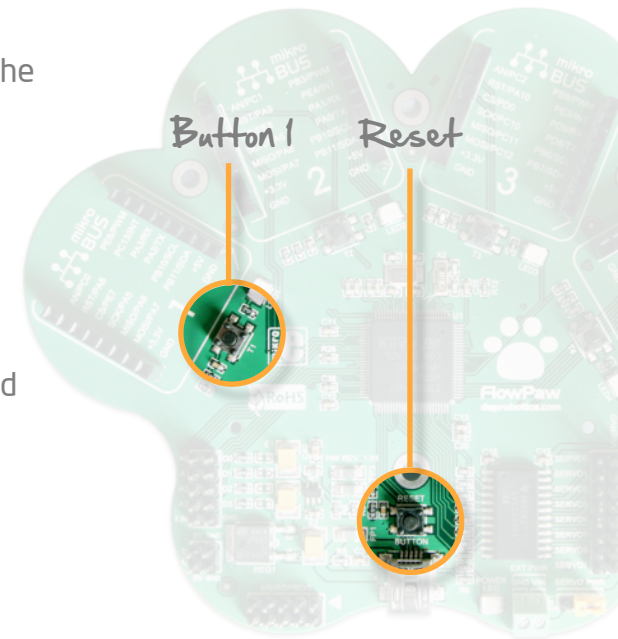


3

Press and hold both Button 1 and the Reset button on your FlowPaw.

Now release the Reset button but keep Button 1 held until the red LED1 is illuminated

The USB indicator on the mikroBootloader program will go red



1 Wait for USB link



4

You now have 5-10 seconds to click the **Connect** button

2 Connect to MCU

Connect

Click to Connect

5

If you successfully connect you'll see this confirmed in the History Window

**3 Choose
HEX file**Browse
for HEX

Click to Choose the
firmware .hex file

Click the **Browse for HEX** button, navigate to the folder where you extracted the firmware files and select the firmware .hex file.

Board connected

History Window

Attach USB HID device or reset if attached.
Waiting MCU response...

Connected.

6

To complete the process, click the **Begin Uploading** button.

**4 Start
bootloader**Begin
uploading

Click to upload the firmware

Bootloading
progress bar



Uploading progress is shown here

Success

Restarting MCU...

Uploading program completed successfully.

▼ Show details

OK

When the Success dialog shows the firmware has been updated. You can now use your FlowPaw again.