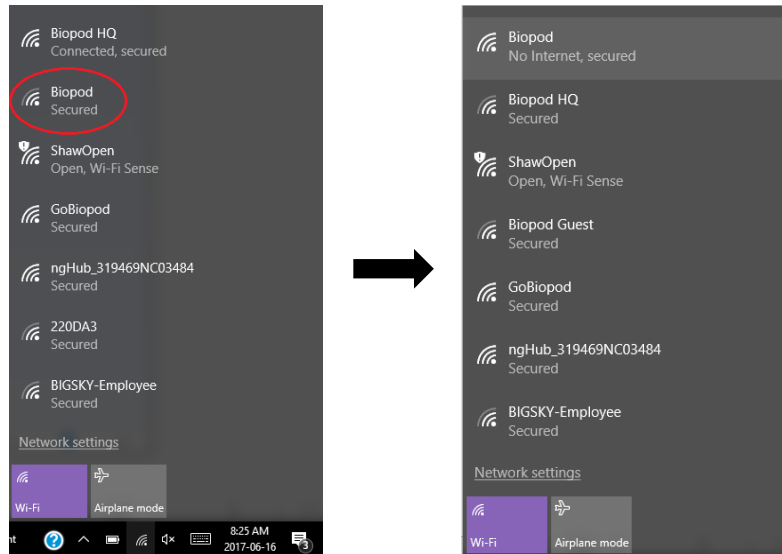




Firmware Update

You will need: Biopod, Phone, Computer (close to the Biopod)

1. Reset your Biopod (push 6s on the Reset Button). Unplug your Biopod and plug it back.
2. Wait for a steady green light at the back of your Biopod.
3. Find the list of the different Wifi sources on your computer: connect to the one called "Biopod".
There should be no password. If it is asked, it is **biopod123**
This wifi is the local wifi that is emitted by the Biopod, it won't give you access to internet.



4. Open an page in your browser and paste the following line:

192.168.251.251

This will give you access to the Biopod's PCB where you are going to upload the new firmware version.

To login: Username: root, Password: root

Biopod

Authorization Required
Please enter your username and password.

Username

root

Password

Login

Reset

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5. Select **Backup/Flash Firmware** in upper Tab 'System'.

The screenshot shows the 'Biopod' system configuration interface. At the top, there's a navigation bar with 'WIFI', 'System', and 'Logout' tabs. The 'System' tab is active, and a dropdown menu is open, showing 'Backup / Flash Firmware' as the selected option. Below the navigation bar, the page title is 'Welcome to Biopod'. The main section is 'Network Configuration', with a sub-tab 'WIFI Interface'. It contains several input fields: 'SSID' (Biopod), 'KEY' (biopod123), 'Encryption' (WAP-PSK2), 'Network' (wwan), and 'Mode' (sta). At the bottom right of this section are three buttons: 'Save & Apply', 'Save', and 'Reset'. At the very bottom, a footer line reads: 'Powered by LuCI 0.12 Branch (0.12+git-16.038.38474-0d510b2) OpenWrt Barrier Breaker 14.07'.

6. Tap on **Choose File** in the 'Flash new firmware image' section

The screenshot shows the 'Flash operations' page in the Biopod interface. It has two tabs: 'Actions' and 'Configuration'. The 'Configuration' tab is active. Under the heading 'Backup / Restore', there are instructions and buttons for 'Generate archive' and 'Perform reset'. Below that, there's a section for restoring a backup with a 'Choose File' button and an 'Upload archive...' button. The main section is 'Flash new firmware image', which includes instructions and a 'Keep settings' checkbox (checked). At the bottom, there's an 'Image' section with a 'Choose File' button (circled in red) and a 'Flash image...' button (circled in blue). The footer is the same as the previous screenshot: 'Powered by LuCI 0.12 Branch (0.12+git-16.038.38474-0d510b2) OpenWrt Barrier Breaker 14.07'.

Select the file we sent you. Once selected, tap on **Flash image**.

7. Wait for the file to upload

Uploading (63%)...

(bottom left corner)

8. Once the uploading is finished, tap on Proceed in the new screen

Biopod WIFI ▾ System ▾ Logout

Flash Firmware - Verify

The flash image was uploaded. Below is the checksum and file size listed, compare them with the original file to ensure data integrity. Click "Proceed" below to start the flash procedure.

- Checksum: 62e2bfe184e451ec15be864b491951aa
- Size: 15.81 MB (15.81 MB available)
- Configuration files will be kept.

Cancel

Proceed

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The firmware will be uploaded in the Biopod PCB through the local Wifi Biopod. It can take several minutes:

System - Flashing...

The system is flashing now.

DO NOT POWER OFF THE DEVICE!

Wait a few minutes until you try to reconnect. It might be necessary to renew the address of your computer to reach the device again, depending on your settings.



Waiting for changes to be applied...

The green light at the back of the Biopod will flash, turn off and come back again.

9. Once the process is done, the website will send you back to the welcome page

Biopod

Authorization Required

Please enter your username and password.

Username

root

Password

Login

Reset

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10. Use your phone and the App to connect your Biopod to the company/home wifi.

