**How to control Ofek Robot using WebREPL:**

You will need a computer with WiFi capabilities (wireless laptop, WiFi stick for PC, etc.)

1. Download WebREPL zip file from <https://github.com/micropython/webrepl> to a known folder on your computer.
2. Extract the files, and open *webrepl.html.*
3. Connect to the robot network: disable and re-enable computer network connection in order to see the robot. Connect to the robot from *webrepl.html* connect button.
4. Enter robot password: *ofek*
5. Now you can send instructions to the robot:
6. First, let’s call the robot r for simplicity: *import robot as r*
7. To control pulse width modulation: r.pwmLeft.value(1); r.pwmRight.value(1)
8. To control wheels move: r.dirLeft.value(1); r.dirRight.value(1)
9. Default value of the “value“ field is 0. Putting there 1 means changing robot’s direction.
10. Pressing up-arrow will show your last commands, you can use it to change values 0-1 instead of re-writing commands.

Now you can control your robot using this simple interface.

It is highly recommended, though, to search for more interesting automation ways:

* Take a deeper look in webrepl\_cli.py (can be found in the downloaded WebREPL folder). It should help you upload batch files with full instruction set, instead of writing one command at a time.
* Search for Python **WebSocket** and see how you can control the robot using Python web interface.
* Do you think you are able to implement a TCP/IP server and adapt it to an Android application, so you can control the robot from your smartphone? What about web server that can handle instructions? Any other ideas?

Good luck ☺