



INSTRUCTIONS: MBED PLATFORM

CLOUD-BASED PLATFORM FOR RAPID PROTOTYPING BASED ON ARM-CONTROLLERS



1. PREPARATIONS

For your convenience get the digital version of this document at: <http://teistudio14.hcilab.org/> → Resources

1. Connect the mbed to an USB-Port of your computer. It will show up as a storage device.
2. Open the mbed.htm file and login (User: teistudio14, PW: mbed@teistudio) to get access to the online development environment.
3. Click on the Compiler button on the top right of the website to access the online IDE.

2. HELLO WORLD

1. Click New to create a new program.
2. Choose the "Blinky LED Hello World" template and give the program a custom name.
3. Double click on main.cpp to open the source code.
4. Compile the program. If there are no errors, the website will offer you the compiled program for download. Save the file on the mbed and press the reset button on the middle of the mbed to run the program.
5. Get some inspirations (see resources), create your own idea and have fun :-)

3. RESOURCES

- Get started: <http://mbed.org/handbook/mbed-NXP-LPC1768-Getting-Started>
- Handbook for the mbed library: <http://mbed.org/handbook/Homepage>
- Examples and tutorials: <http://mbed.org/cookbook/Homepage>
- Technical specs and PIN maps: <http://mbed.org/platforms/>