

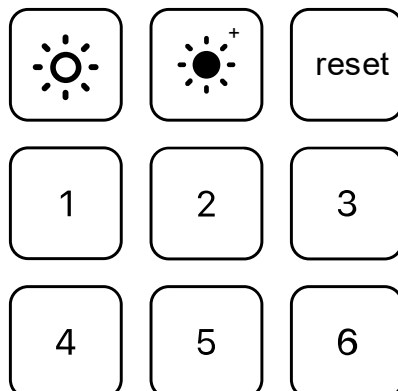
Treasure[®] macropad

Programming Guide

R 1.2 – 08/20/18

Default Layout

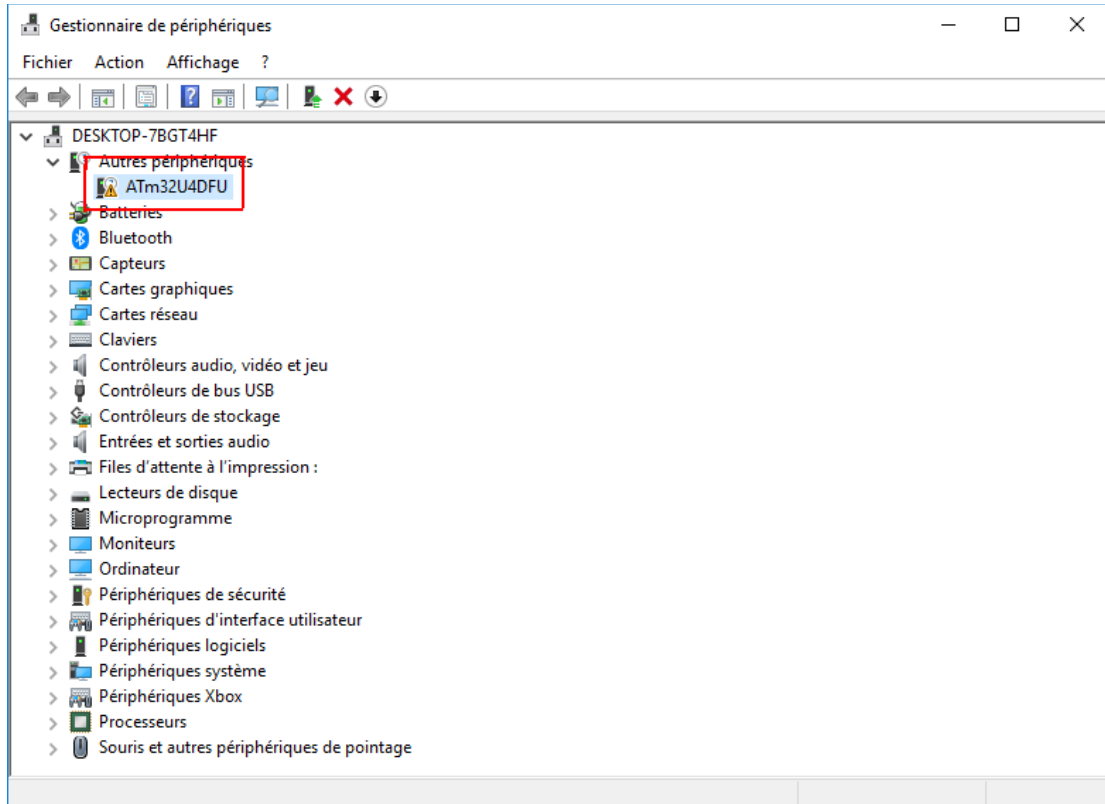
The *Macropad Type-9* is flashed with the following default layout. You can respectively : Toggle Backlight, Increase backlight luminosity, Soft Reset, and type numbers from 1 to 6.



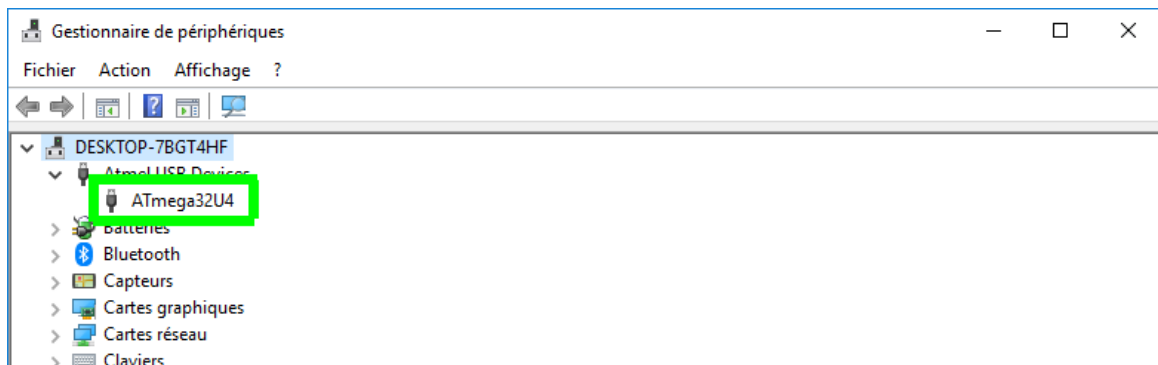
Installing the Driver

NOTE : You don't need the driver to use the macropad, only for programming

1. Download the **ATmega32U4** drivers : <http://macropad.co/files/drivers.rar> (Right Click save target as) and extract them on a folder of your choice
2. Plug the PCB to the computer
3. Open the **Windows Device Manager** (Press the Windows key + X or right-click on Start to open the Power User Menu , Select Device Manager in the menu)
4. **Push the RESET** button on the PCB
5. This should appear on the **device manager** :



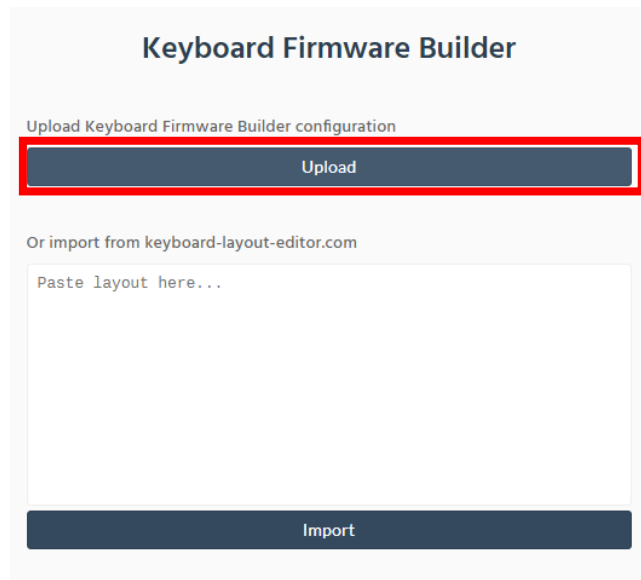
6. **Right Click** on Atm32U4DFU and choose “**Update Drivers**”
7. Select “Install the drivers manually” and choose the “/usb” folder that you extract on the first step.
8. **Drivers has been installed** : This should now appear on the device manager :



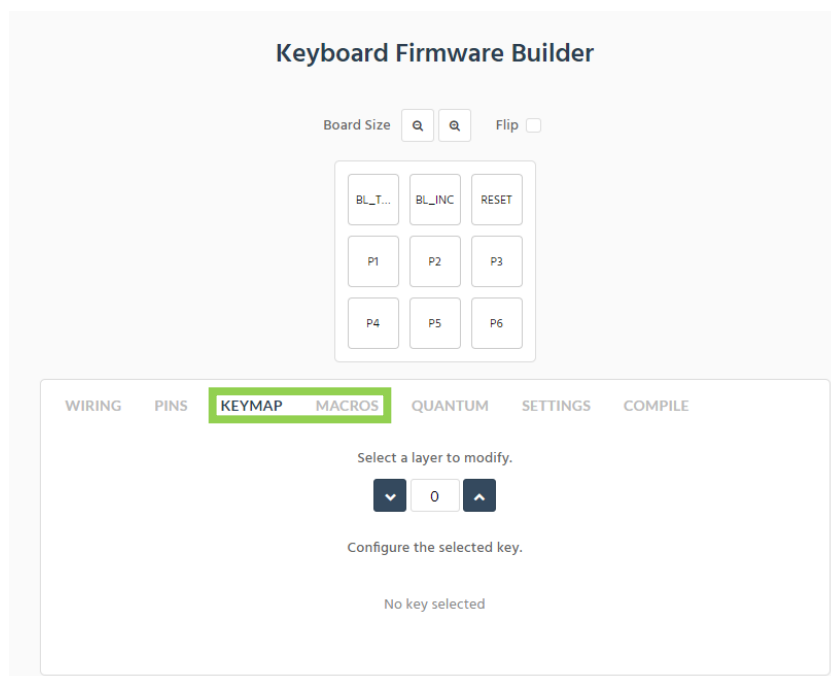
Programming the macropad

Creating the firmware

9. Download the preset layout for the QMK Keyboard Firmware Builder:
http://macropad.co/files/MPD9_default.json (Right Click save target as)
10. Open the Keyboard Firmware Builder: <https://kbfirmware.com/> on your web browser
11. Select "Upload" under "Upload Keyboard Firmware Builder configuration".

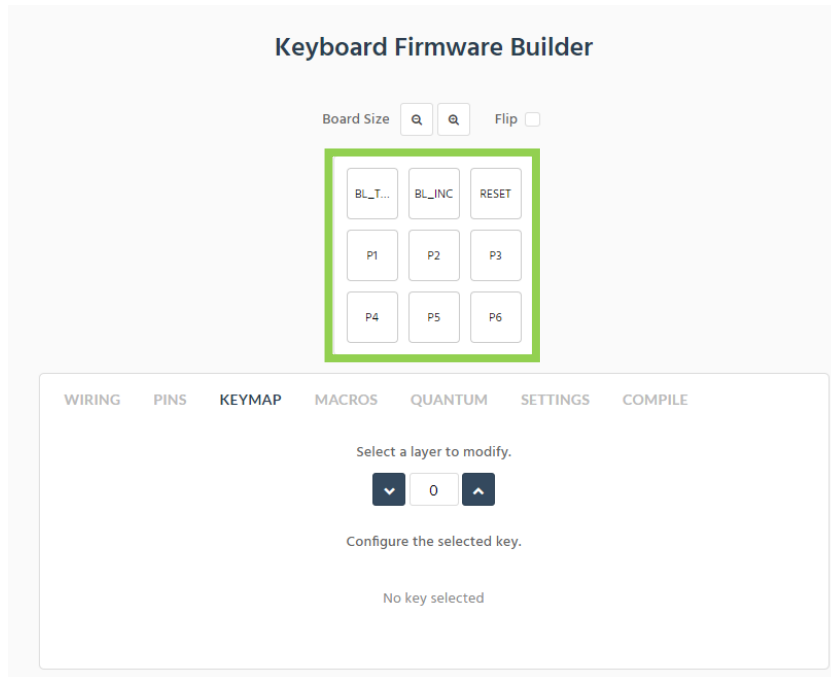


12. Select the downloaded file from step 1. Do not modify any of the *Wiring or Pins* settings, the *Macropad Type-9* will not work correctly
13. Program your *Macropad Type-9* using the *Keymap* and *Macros* tabs

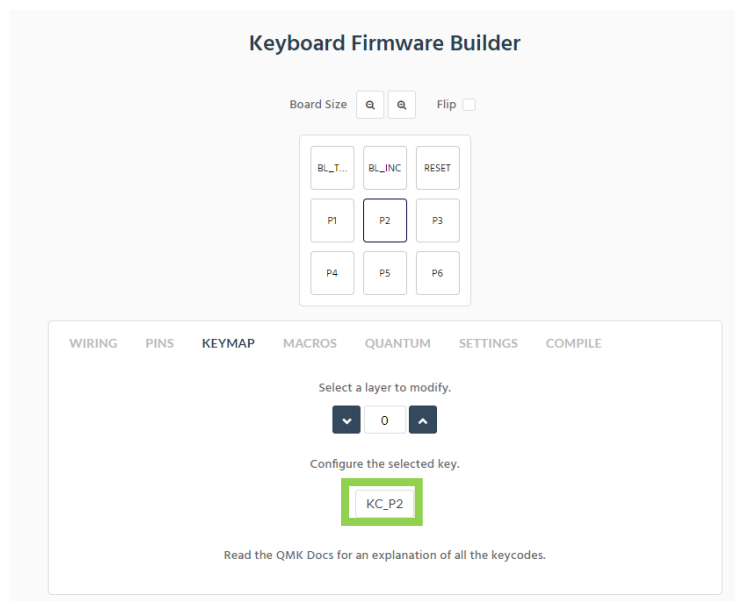


14. Programming

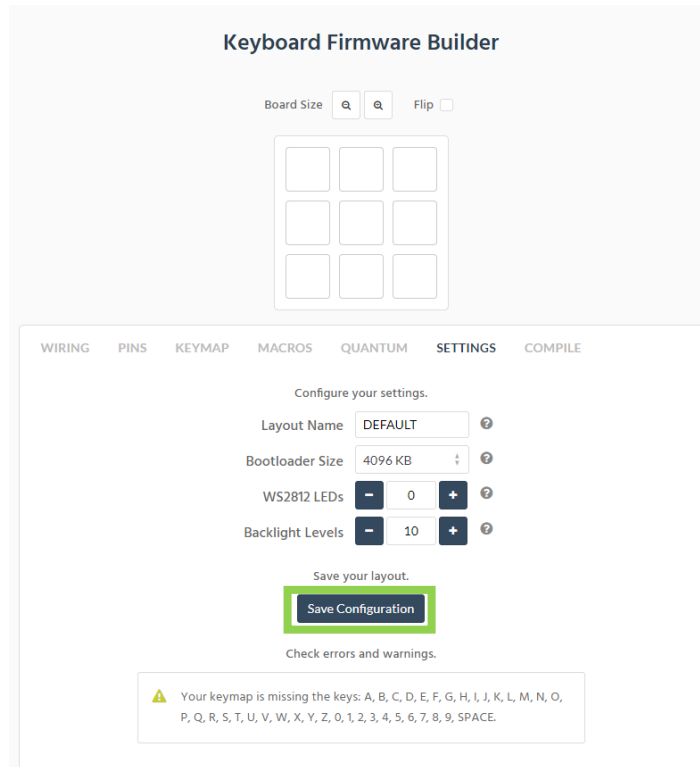
Click on any of the 9 keys to modify the programming, then press any key on your computer keyboard to assign a key.



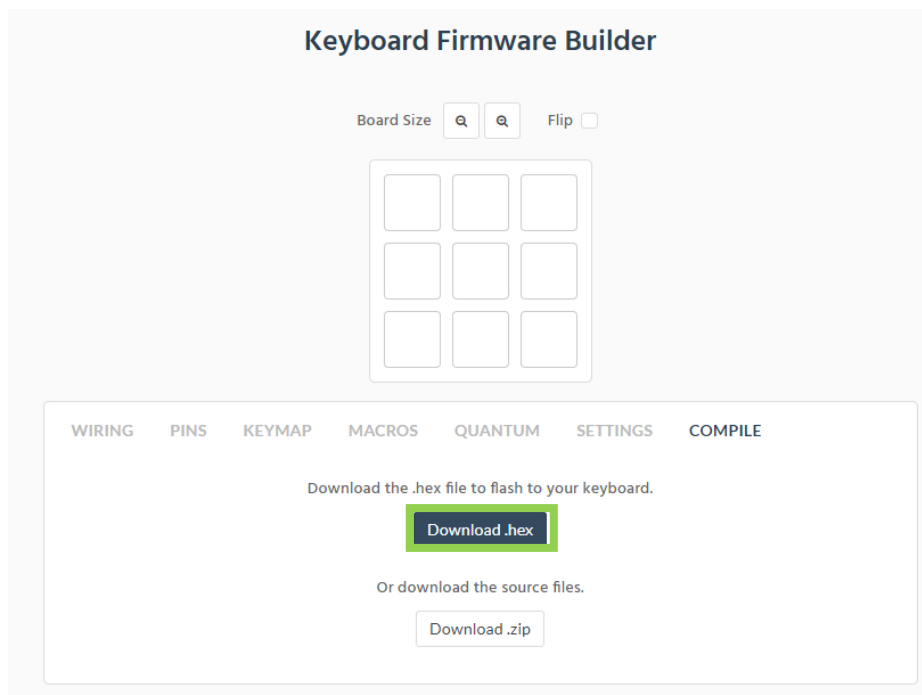
You can also click on “*Configure the selected key*” to configure any key. The list of keycodes is available here : <https://docs.qmk.fm/#/keycodes>



15. Switch to the Settings tab and select “Save Configuration” to save the configuration file (.json) and edit it later (Optional)



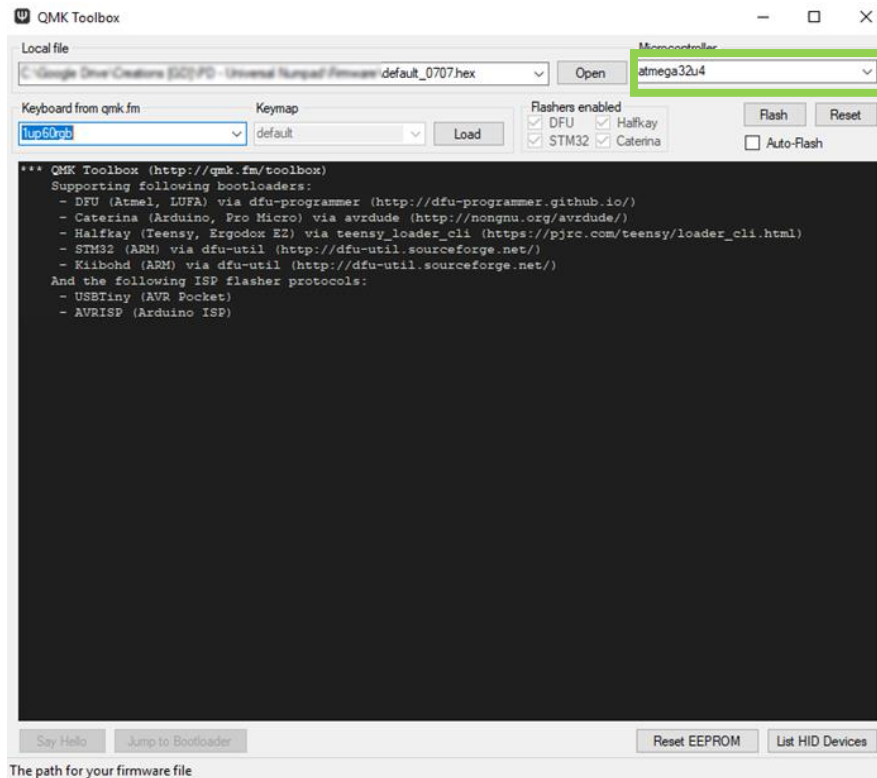
16. To download the finished firmware for installing, select “Download .hex” under the Compile tab.



Installing the firmware

This will cover the installation of the .hex file to your *Macropad Type-9*.

1. Download the QMK Toolbox software (https://github.com/qmk/qmk_toolbox/releases)
 - a. For Windows
https://github.com/qmk/qmk_toolbox/releases/download/0.0.9/qmk_toolbox_install.exe
 - b. For OSX :
https://github.com/qmk/qmk_toolbox/releases/download/0.0.9/QMK.Toolbox.app.zip
2. Launch the QMK Toolbox software. Verify that *atmega32u4* is the microcontroller



3. Select "Open" to open your ".hex" file

