

Setup Particle Photon on Windows 10

Initial Setup:

1. Download and install Particle CLI: <https://binaries.particle.io/cli/installer/windows/ParticleCLISetup.exe>
2. Open PowerShell using the "Run as administrator" option. Note: If PowerShell is not installed, you can try using Command Prompt, but this has only been tested on PowerShell.
3. Enter the following command:
`particle setup`
4. Login or create a Particle account if you do not already have one. This is so you can register the Photon to your account later.
5. When asked to scan Wi-Fi for nearby Photons, choose no. Note: do not close this window yet – you will need to come back to it.
6. Plug your Photon into a USB port on your computer.
7. Open Device Manager (devmgmt.msc) and make sure the Photon is listed under Ports (COM & LPT).
 - a. If it is not listed (or if there are errors/warnings) uninstall and reinstall Particle CLI.
8. Put your Photon in setup mode (hold the setup button down until the LED is flashing blue).
9. Enter the following command, taking note of the device ID:
`particle identify`
10. Enter the following command:
`particle serial wifi`
11. Complete the Wi-Fi setup for the appropriate network (if on campus, use CMU) and wait for the Photon to restart.
12. Once the Photon is connected to Wi-Fi, enter the following command using the device ID (from step 9) to claim the device and add it to your account:
`particle device add <device ID>`
13. Congratulations -- Initial setup should be complete!

OPTIONAL – Rename your Photon:

14. Ensure the Photon is connected (light should be slowly pulsing cyan)
15. Enter the following command to ensure the Photon is connected:
`particle list`
16. If the device is listed, enter the following command to rename:
`particle device rename <device id> <new name>`

See the next page for a screenshot of all commands.

```
Administrator: Windows PowerShell
PS C:\> particle setup

Particle
https://particle.io

> Setup is easy! Let's get started...
> Hello Stranger! This seems to be your first time here. What would you like to do? Login
> Let's get you logged in!
> Please enter your email address mslauson@cmu.edu
> Please enter your password [hidden]
> Successfully completed login!

! PROTIP: Hold the MODE/SETUP button on your device until it blinks blue!
! PROTIP: Please make sure you are connected to the internet.

> No devices detected via USB.
> Would you like to scan for nearby Photons in Wi-Fi setup mode? No
> Goodbye!
PS C:\> particle identify

Your device id is 1a003a000c47343438323536
Your system firmware version is 0.5.3
PS C:\> particle serial wifi
> Should I scan for nearby Wi-Fi networks? Yes
> Select the Wi-Fi network with which you wish to connect your device: FIOS-MCWCS
Attempting to configure Wi-Fi on COM3
> Security Type WPA2
> Wi-Fi Password ██████████
Done! Your device should now restart.
PS C:\> particle device add 1a003a000c47343438323536
Claiming device 1a003a000c47343438323536
Successfully claimed device 1a003a000c47343438323536
PS C:\> particle list
Photon39 [1a003a000c47343438323536] (Product 5419) is online
  Functions:
    int digitalread(String args)
    int digitalwrite(String args)
    int analogread(String args)
    int analogwrite(String args)
PS C:\> particle device rename 1a003a000c47343438323536 PeanutbutterJellyTime
Renaming device 1a003a000c47343438323536
Successfully renamed device 1a003a000c47343438323536 to: PeanutbutterJellyTime
PS C:\>
```