

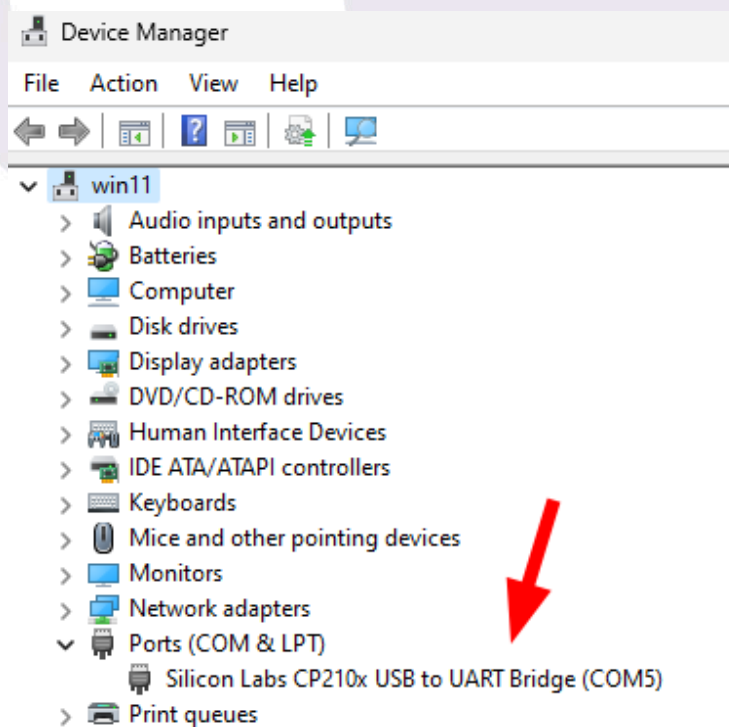
# PocketCW2 Configuration application

*We have developed a simple Windows application that allows you to configure and update your little PocketCW2 device*

## How to install

Please follow these instructions to install the application:

1. Verify you have Microsoft .NET 6 or above installed.  
(<https://dotnet.microsoft.com/es-es/download/dotnet/thank-you/runtime-aspnetcore-6.0.22-windows-x64-binaries>).
2. Verify you have PocketCW2 drivers installed  
([https://lunaticastro.com/pocketCW/CP210x\\_Universal\\_Windows\\_Driver.zip](https://lunaticastro.com/pocketCW/CP210x_Universal_Windows_Driver.zip)).
3. If your PocketCW2 includes a battery, turn the device **ON**.
4. Connect your PocketCW2 to the PC using a USB-C cable.
5. Use the “Device Manager” to verify your PocketCW2 has a valid port.



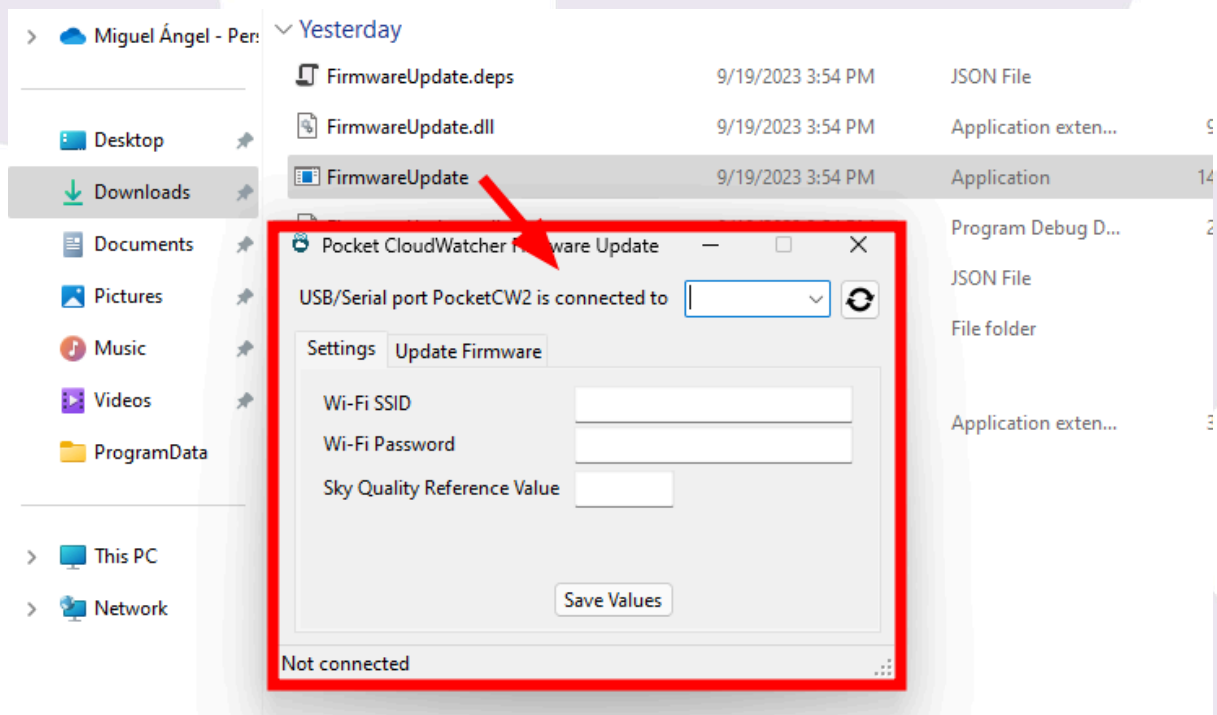
6. Take note of the COM port (yours may be different from mine).
7. Download the <https://lunaticoastro.com/pocketCW2/current/PocketCW2-FWUpdate.zip> file.
8. Extract its contents to a folder of your choice.

## Running the application

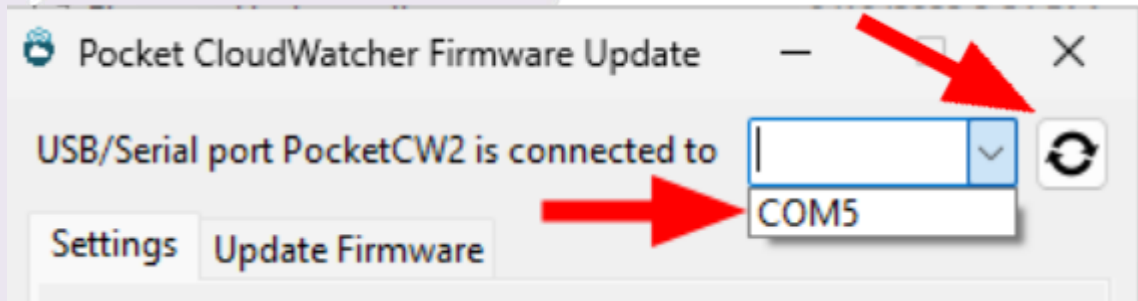
1. Run the “FirmwareUpdate” application from within the folder you have extracted the ZIP into.

**IMPORTANT:** do actually extract the ZIP file (step 8) and run the application from the extracted files. Opening the ZIP file and running within the ZIP file will not work.

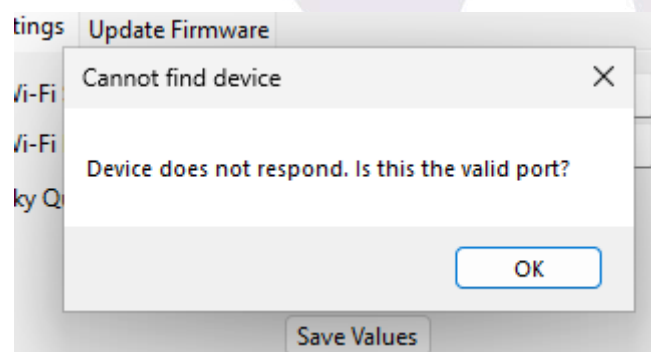
2. You will see a window like this:



3. Select the port you wrote down in step 6. If it does not appear, verify the PocketCW2 is connected to the PC and click on the double arrow button to refresh the port list.

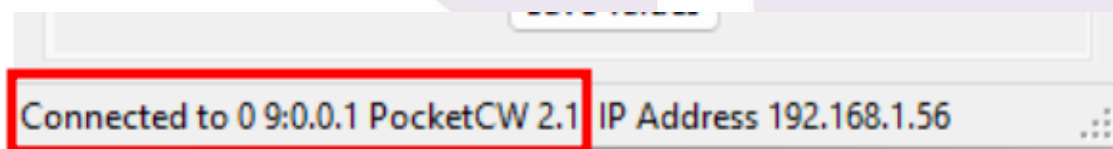


4. Sometimes, your device may not be detected correctly. If this happens, you will receive an error message when selecting the port, like this:



In this case, simply click on the double arrow button and select the port again.

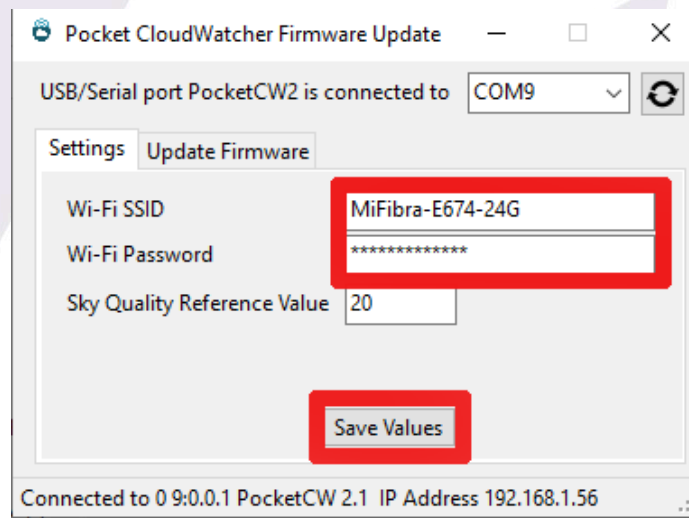
5. If connection is successful, you will see the “Connected” message at the bottom of the application:



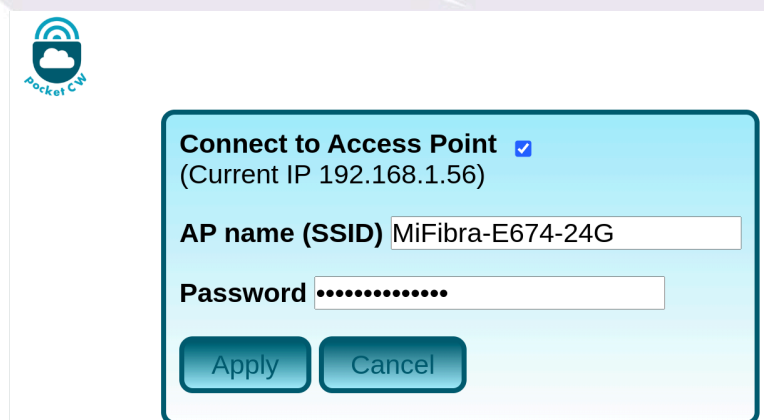
## PocketCW2 Configuration

### Wi-Fi Access

With this application, you can specify which Wi-Fi your PocketCW2 will connect to. To do so, simply type the name of the SSID (the name of the Wi-Fi) and its password in the appropriate entries, then press “Save Values”.



**Note:** remember that you can also set the SSID by connecting to PocketCW2's internal Wi-Fi.



See <https://lunaticastro.com/docs/PocketCW2-UsersManual.pdf> for more information.

## SQM Calibration

You can also modify the “Sky Quality Reference Value”. This value affects how the PocketCW2 measures Sky Quality (darkness, if you will).

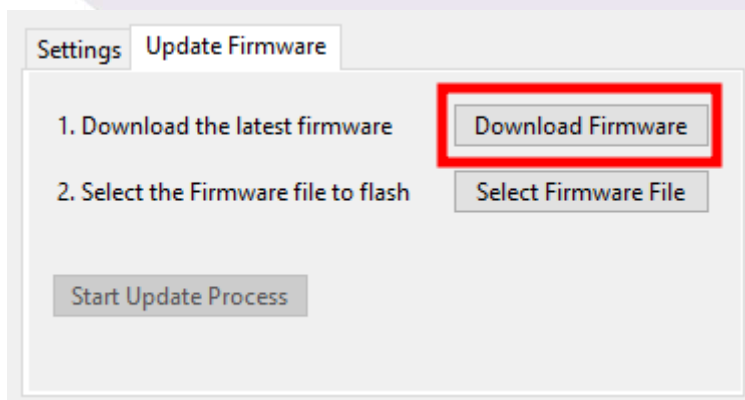
**Please update this value with care!!** The default “19.6” value has proven to be quite accurate. However, you may want to tweak it if you’re not satisfied with the results.

For your reference, some users have played with 20.1 instead of 19.6, so the acceptable range of values should go from 19 to 21. Values beyond that seem to be useless.

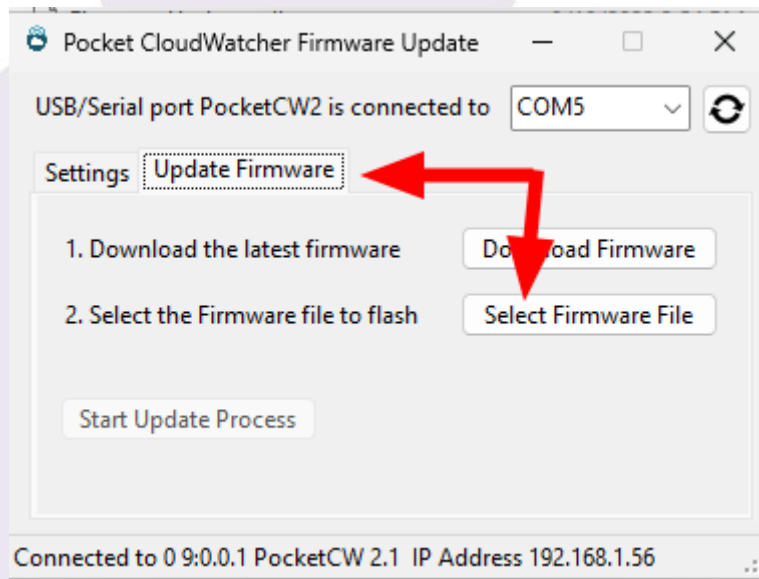
## Firmware update

With this application, you can also update the firmware of your device. To do so, switch to the “Update Firmware” tab and follow these steps:

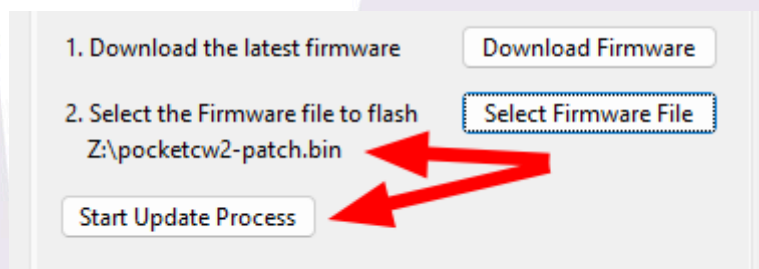
1. If you have not downloaded the firmware yourself (or in case we have sent you one for testing), click on “Download Firmware”. This will open an internet browser and will download the latest firmware. The file will be called “pocketcw2.bin”



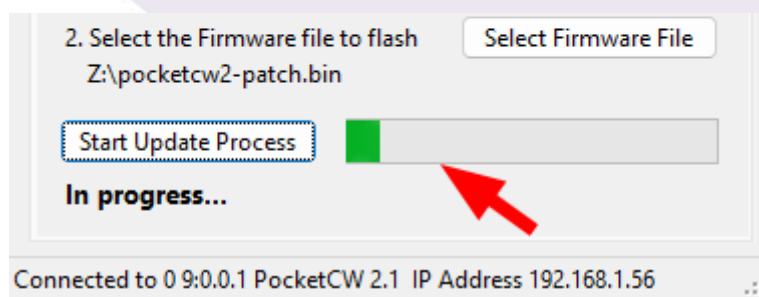
2. Whether you have downloaded the firmware following step 1 or you have downloaded it yourself, now click on “Select the firmware file to flash”.



3. Select the “pocketcw2.bin” file you have downloaded in step 14.
4. Click on “Start update process”.



5. You should see a progress bar indicating it is flashing your device:



When it finishes, allow 30 seconds for your PocketCW2 to restart. Your device should be updated.

**Important:** If you connect your device to the PC and use AAGCloudWatcher software, please follow these important steps after updating it:

- ★ Power the PocketCW2 OFF
- ★ Close the Firmware update application
- ★ Power the PocketCW2 ON again.
- ★ Wait for about 20 seconds
- ★ Start the AAGCloudWatcher application and use it normally

...or connect to PocketCW Wi-Fi and enter the configuration page. Enter SSID and Password again and click “Apply”.

---