

# 1 Prerequisites

- PC or laptop with Windows 8.1 or 10 (untested on win11)
- Dimlux Flasher installation file (v0.9.15 or newer as of this writing)

**DimluxFlasher\_windows-x64\_0\_9\_15.exe**

- File with the actual firmware (depending on the device), like

**Ballast\_1000W\_swB1.0.0\_hw1.0.8.upd**

**Dimlux-Xtreme-LED\_1\_8\_1.upd**

**Dimlux-Xtreme-LED-Addon\_1\_0\_0.upd**

**Smartbox\_3\_0.upd**

etc. (always ends in **.upd**)

- Dimlux Programmer<sup>1</sup> with:
  - USB cable
  - 2x short internet cable (assorted colors)

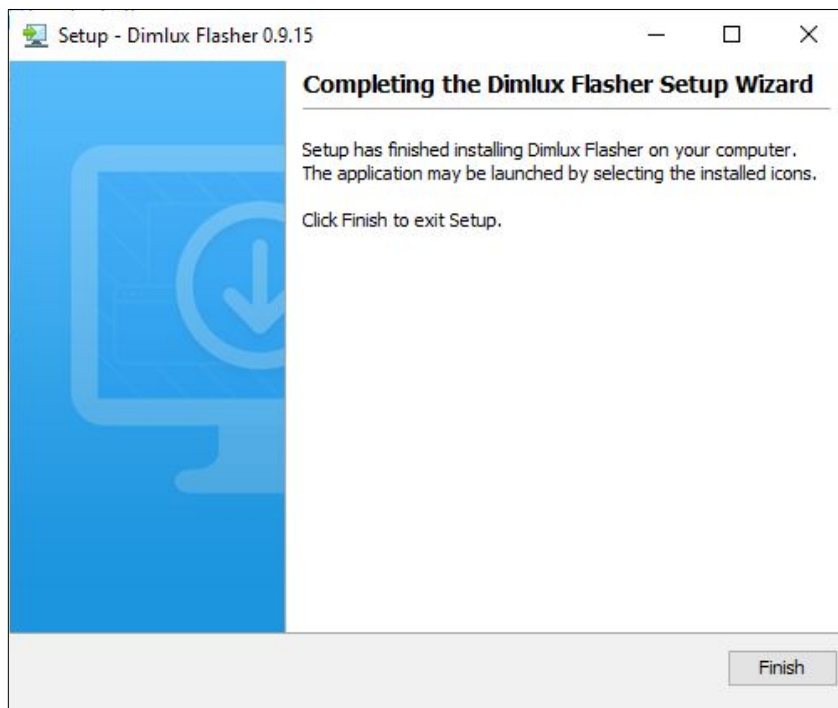
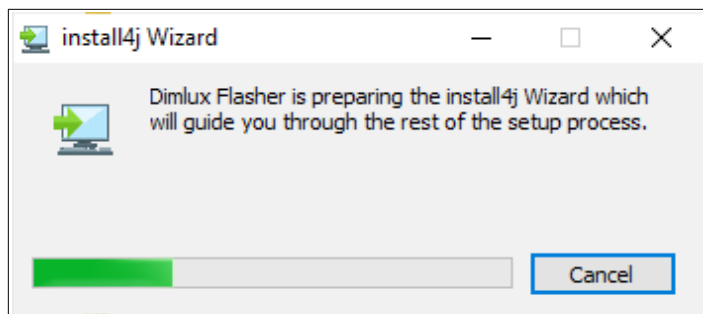
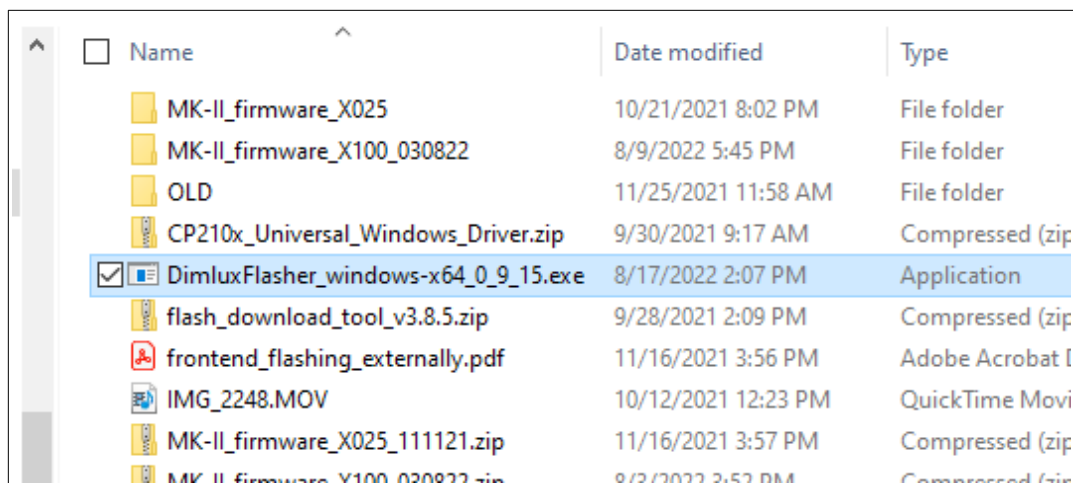


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<sup>1</sup> Unless the device to update is a SmartBox, in which case only the USB cable is needed.

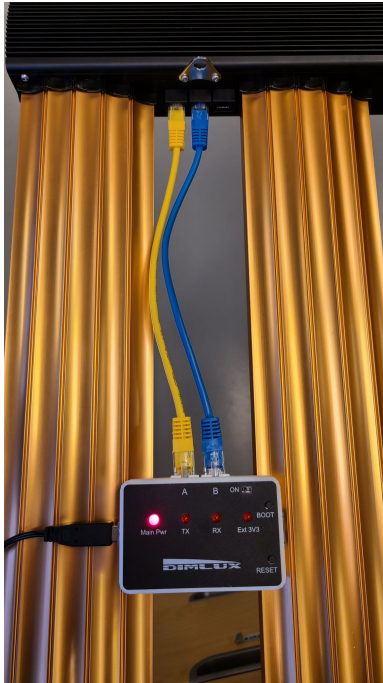
## 2 Installation

- Run the installer `DimluxFlasher_windows-x64_0_9_17.exe`

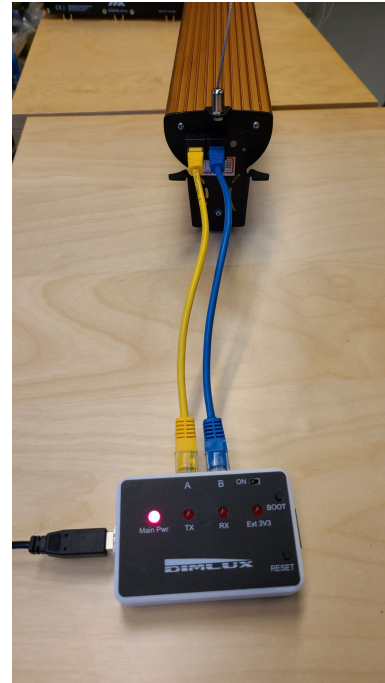


### 3 Connecting

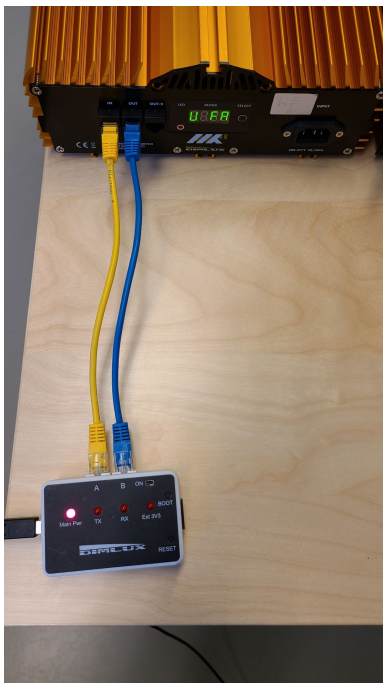
**LED fixture**



**LED Add-on**



**HID Ballast**



**SmartBox (any type)**

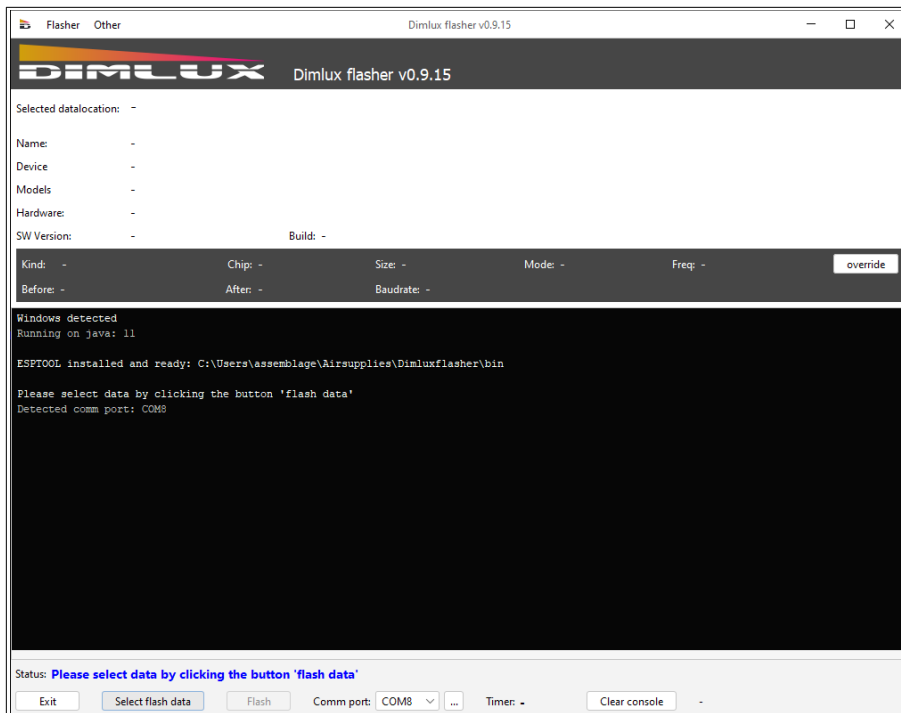
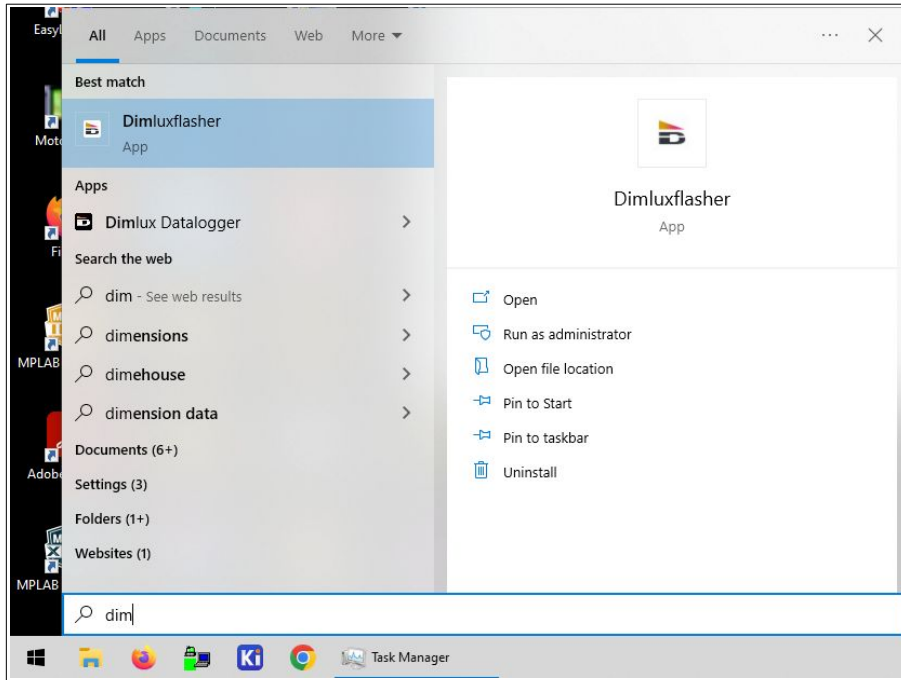


The cable colors don't matter, the connections do. Connect like in the photos. Do not mix up (i.e. cross) the cables.

(don't forget the connection to the PC)

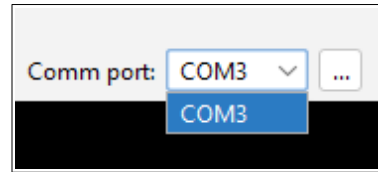
## 4 Preparing the update

- Start Dimuxflasher
  - Search for **dimluxflasher** by typing it in the start menu, if necessary

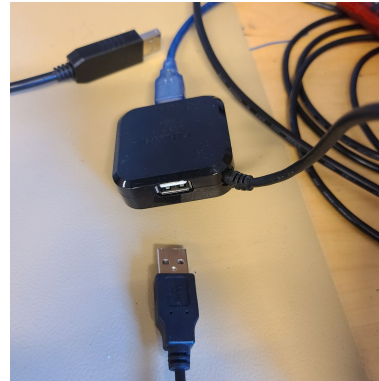


## 4.1 Find the correct COM port

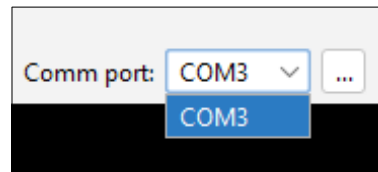
- Open the Comm port box. If there is only one entry, skip this page.
  - In this case, the programmer is COM3.



- Disconnect the programmer

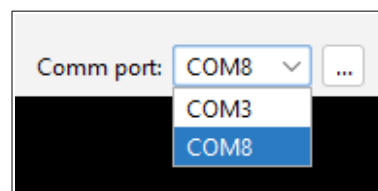


- Press the button with ...
- Look at the Comm ports list again and make a mental note of which one(s) it is NOT.
  - In this case, there is a COM3 which is not the programmer.
- Connect the programmer
- Press the button with ...



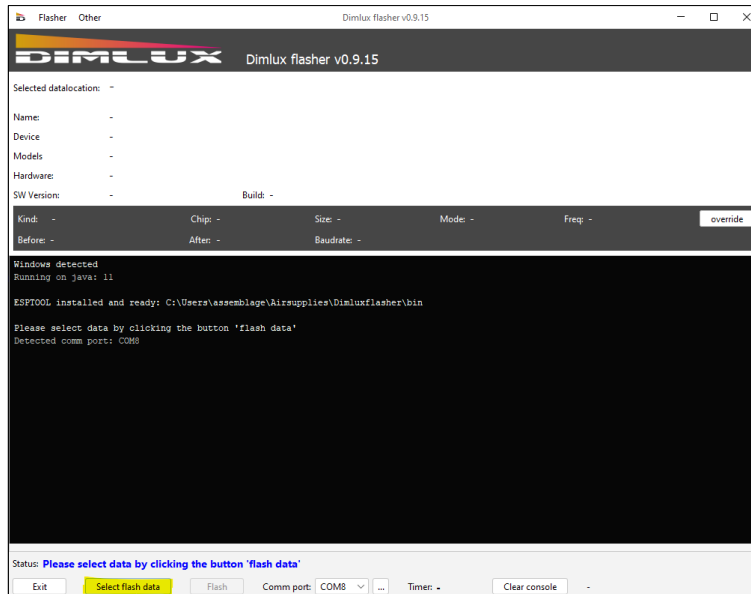
- The Comm port box should have automatically selected the new COM port, in this case COM8.

It doesn't hurt to double-check.

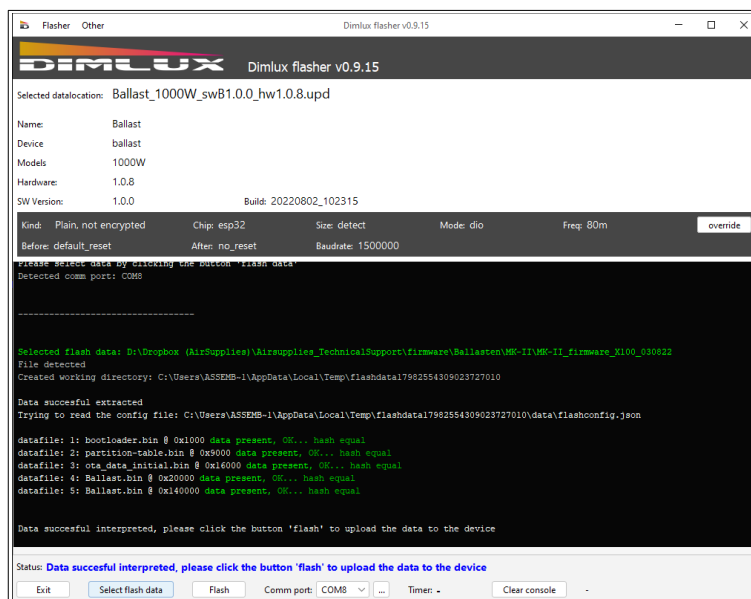


## 4.2 Select the correct update file

- Press the button **Select flash data**



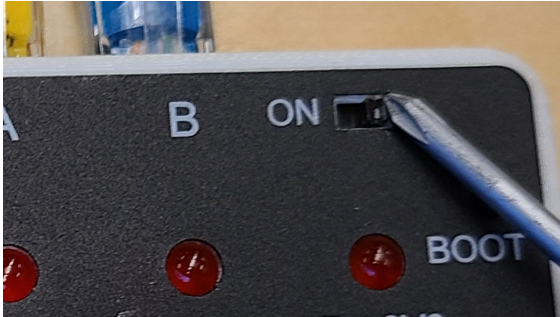
- Browse to the location where you have the **.UPD** file and select it



## 5 Enable programming mode

(Skip this for SmartBoxes)

- Slide the power switch to the OFF position, if not already



- Press and hold the button on the device
  - In case of multiple buttons, the ESC / □



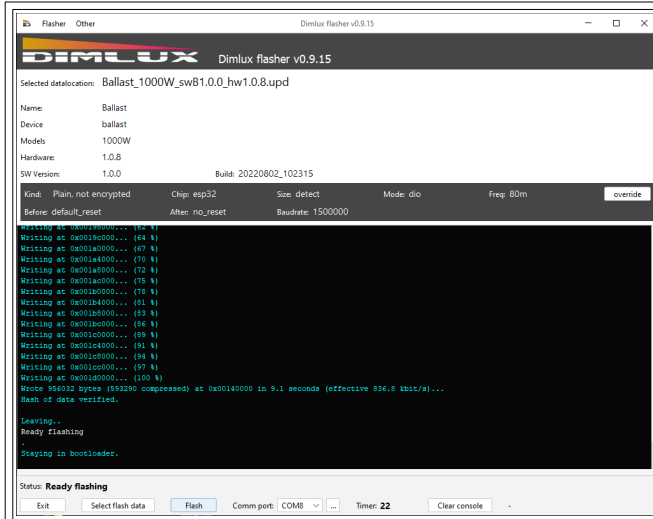
- Slide the power switch to the ON position



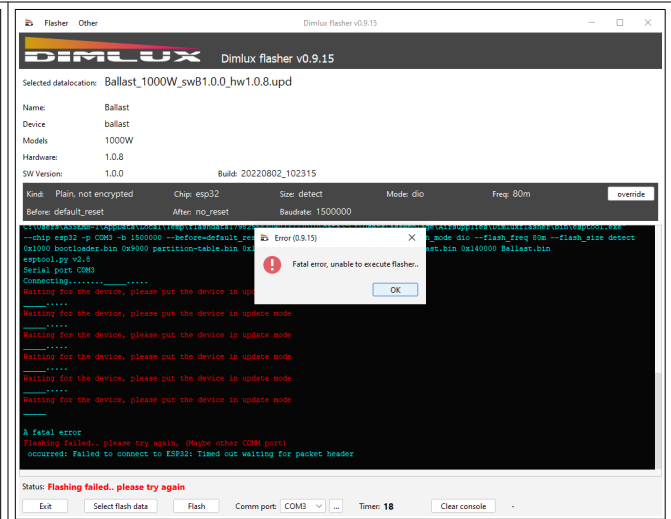
- Release the button on the device

# 6 Programming

- Press the **Flash** button



Flashing was successful. Connect the next device to flash and repeat from step 5 (same type of device) or step 4.2 (different device)



Troubleshoot (see below)



## 7 Troubleshooting

<p>The <b>TX</b> LED (2<sup>nd</sup> LED) blinks but programming fails</p>	<p>The connections are wrong or the device was not in programming mode.</p>	<p>Check the order of the two internet cables</p> <p>Check that the two internet cables are connected between the A—IN and B—OUT1 ports.</p> <p>Try step 5 few times. You can do this <i>while</i> the dots and lines are appearing to save time.</p>
<p>The <b>TX</b> LED on the programmer doesn't blink while it is trying (when the dots and lines are appearing)</p>	<p>Software is not talking to the programmer</p>	<p>Try redoing step 4.1.</p>
<p>In 4.1, new com port doesn't show up</p>	<p>Windows doesn't see the programmer</p>	<p>Check the USB cable. If nothing helps, the internal fuse may be blown.</p>
<p>The <b>Main Pwr</b> LED on the programmer is off</p>	<p>Programmer doesn't have power</p>	

## 8 Final thoughts

- Many programmers are distributed without a top legend. Use the this detailed photo for reference:



- The **Ext 3V3** LED on the programmer is supposed to stay off. No worries.
- The two push buttons and the 10-pin connector on the programmer are not used.
- The following terminologies may be used interchangeably in written or spoken communication, and should be considered equal:
  - 'update' and 'firmware'
  - 'updating,' 'downloading,' and 'flashing'
  - 'internet cable,' 'network cable,' and 'RJ45 cable'
  - 'pushing,' 'pressing,' 'clicking,' and 'tapping' (in regards to buttons on the screen)