

# Quick guide

AX'Up wire



Table des matières

1 Revisions ..... 3

2 Product description ..... 4

3 Start-up guide ..... 4

4 AX'Up Windows demo App description ..... 7

5 AX'Up Android demo App description ..... 8

6 Firmware updater ..... 9

7 Operating range and technical data ..... 10

8 Safety instruction / laser equipment ..... 10

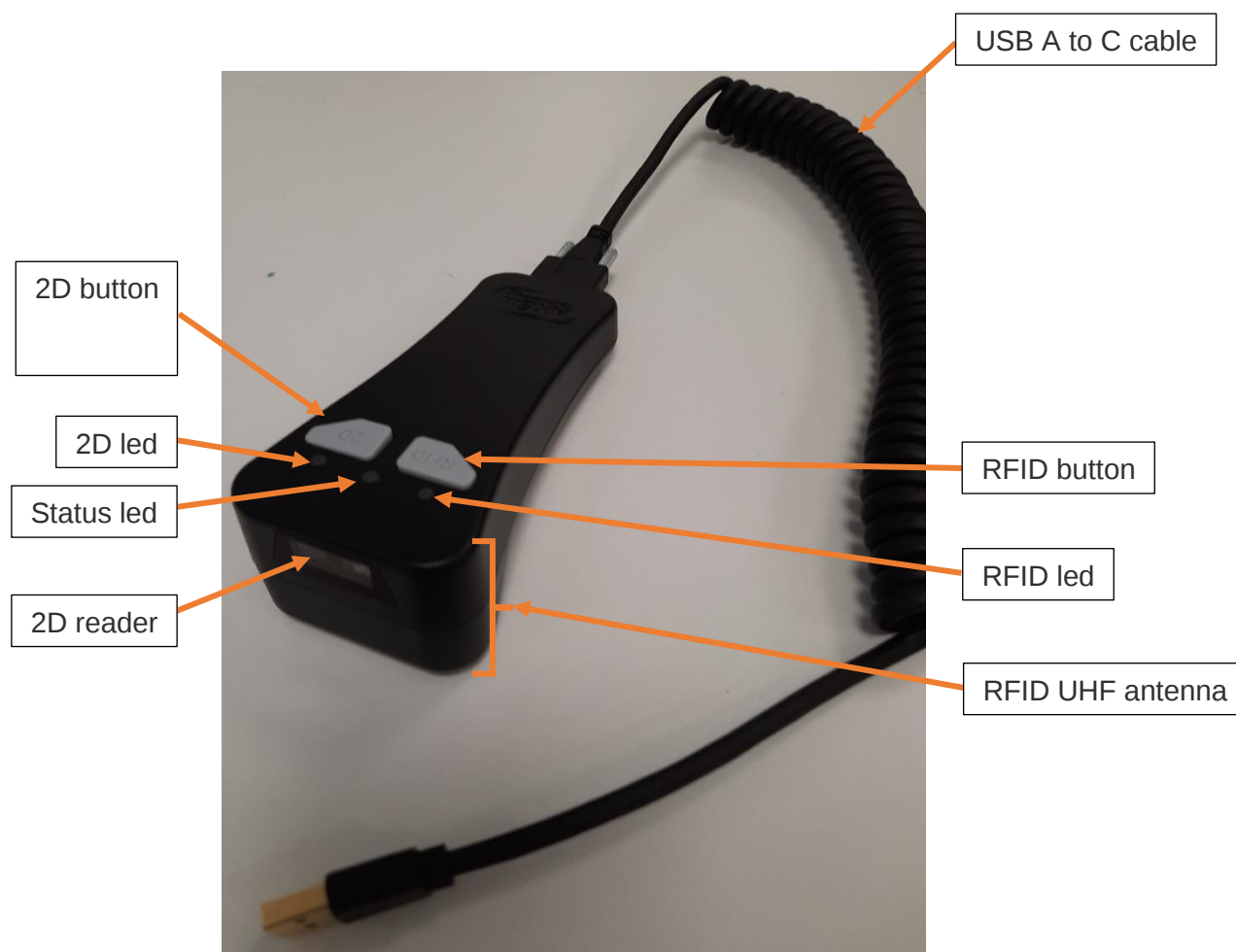
## 1 Revisions

| Description                   | Date       | Version | Auteur | Check |
|-------------------------------|------------|---------|--------|-------|
| First release                 | 2021/07/08 | 1.0     | LDU    |       |
|                               | 2022/03/11 | 1.4     | AT     |       |
| Add laser class 1 information | 2022/06/01 | 1.5     | LDU    | AT    |
| Add UHF band EU and power RF  | 25/07/22   | 1.6     | AT     | LDU   |

## 2 Product description

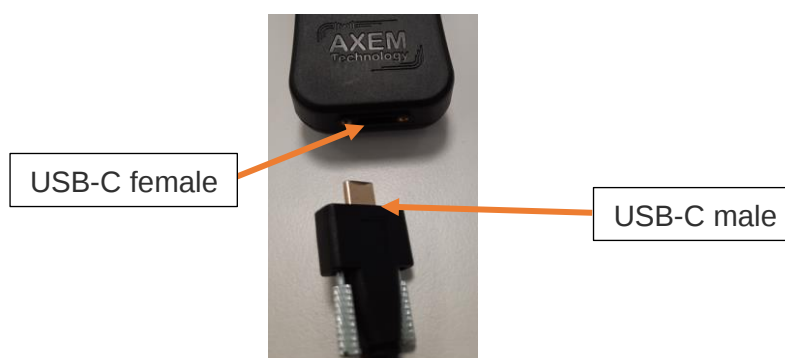
AX'Up wire is a UHF and 2D wired reader using USB communication.

Working modes: keyboard emulator & virtual serial port.



## 3 Start-up guide

1. Connect and screw the USB-C cable to the device:



The connector can be screwed by hand or with a screwdriver:



Don't need to squeeze too much: it's well connected as soon as the spanner adjuster is in contact with the connector.



2. Connect the USB-A side of the cable to the device

- The **status led** will **blink blue** = Connection is ok.
- Then the **status led** will remain **red** until initialization is done.
- **2D led** and **RFID led** will **blink green** = The 2D and RFID initialization are in running
- Then the **status led** will turn **green** = There was no failure : reader is ready to use.

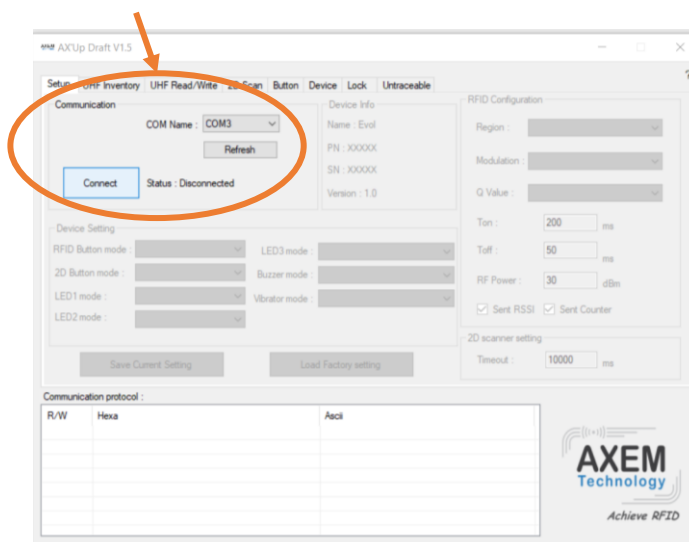


### 3. Demo App launching: Click on the AX'Up Demo.exe file.

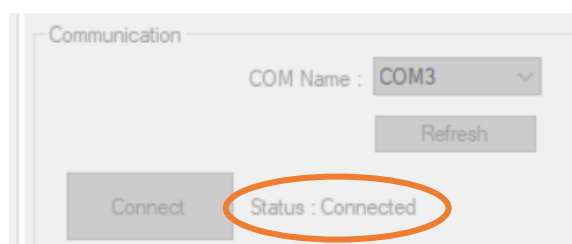
| Nom                   | Modifié le       | Type                  | Taille |
|-----------------------|------------------|-----------------------|--------|
| AXEM_API.dll          | 07/07/2021 16:18 | Extension de l'app... | 20 Ko  |
| AXEM_API.pdb          | 07/07/2021 16:18 | Fichier PDB           | 16 Ko  |
| Axem_SDK.dll          | 07/07/2021 16:18 | Extension de l'app... | 50 Ko  |
| Axem_SDK.pdb          | 07/07/2021 16:18 | Fichier PDB           | 102 Ko |
| <b>AX'Up Demo</b>     | 07/07/2021 16:33 | Application           | 749 Ko |
| AX'Up Demo.exe.config | 06/07/2020 09:48 | Fichier CONFIG        | 1 Ko   |
| AX'Up Demo.pdb        | 07/07/2021 16:33 | Fichier PDB           | 144 Ko |

### 4. Port-COM connection :

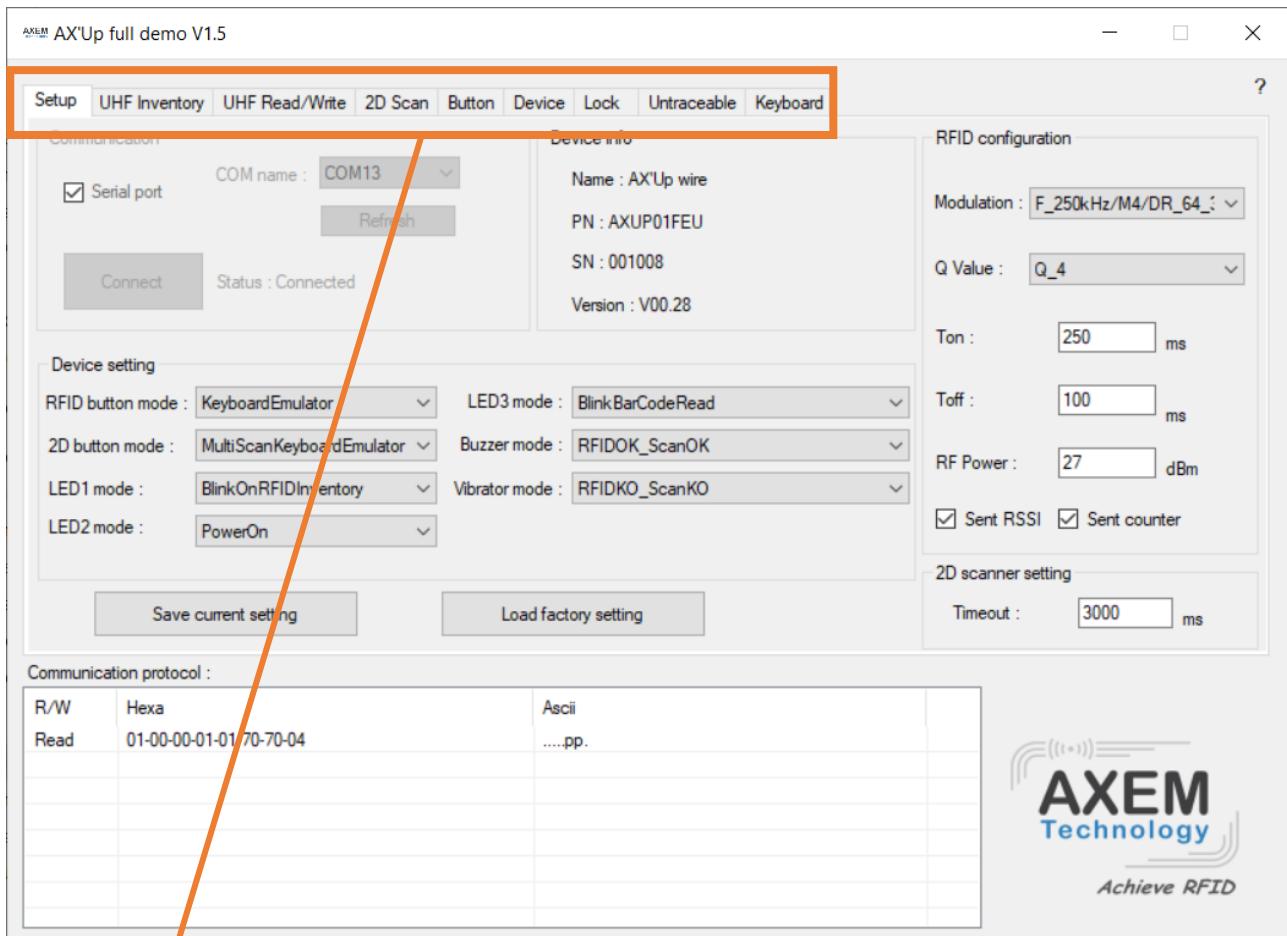
Select the right COM Name and click on Connect button :



Then status turns from 'Disconnected' to 'Connected': AX'Up Demo App is ready to use.



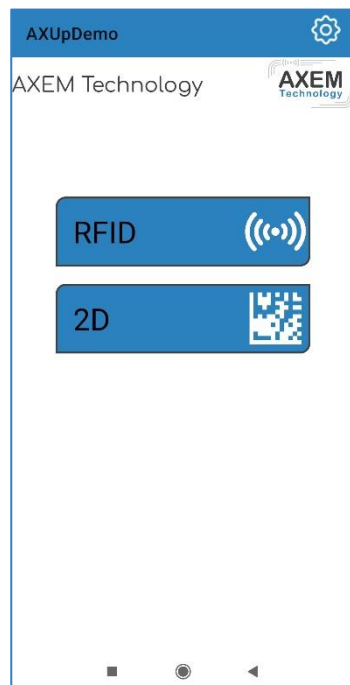
## 4 AX'Up Windows demo App description



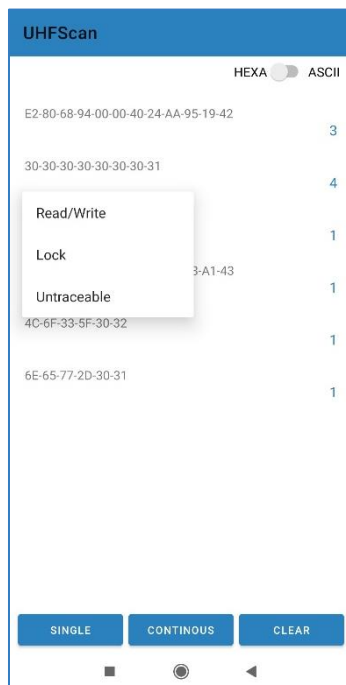
- **SETUP** : All setting are available in this tag
- **UHF INVENTORY** : Basic RFID actions (read EPCs) from demo app
- **UHF READ/WRITE** : Reading and writing UHF tags memory.
- **2D SCAN** : Barcodes scanning from demo app
- **BUTTON** : UHF and barcodes actions from buttons of the device
- **DEVICE** : Master control settings for the HMI (Human machine interface)
- **LOCK** : RFID lock and kill actions
- **Untraceable** : RFID Untraceable settings
- **Keyboard** : Keyboard emulator settings

## 5 AX'Up Android demo App description

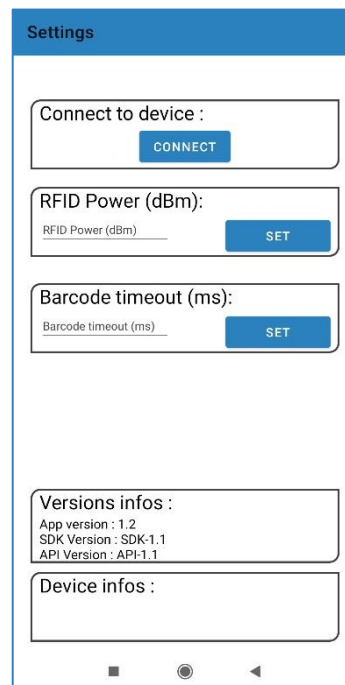
The android demo app allow RFID and Brcode readings. In the RFID menu it is possible to do read/write, lock and untraceable operations on a tag with a long click on its EPC code.



*Main menu*



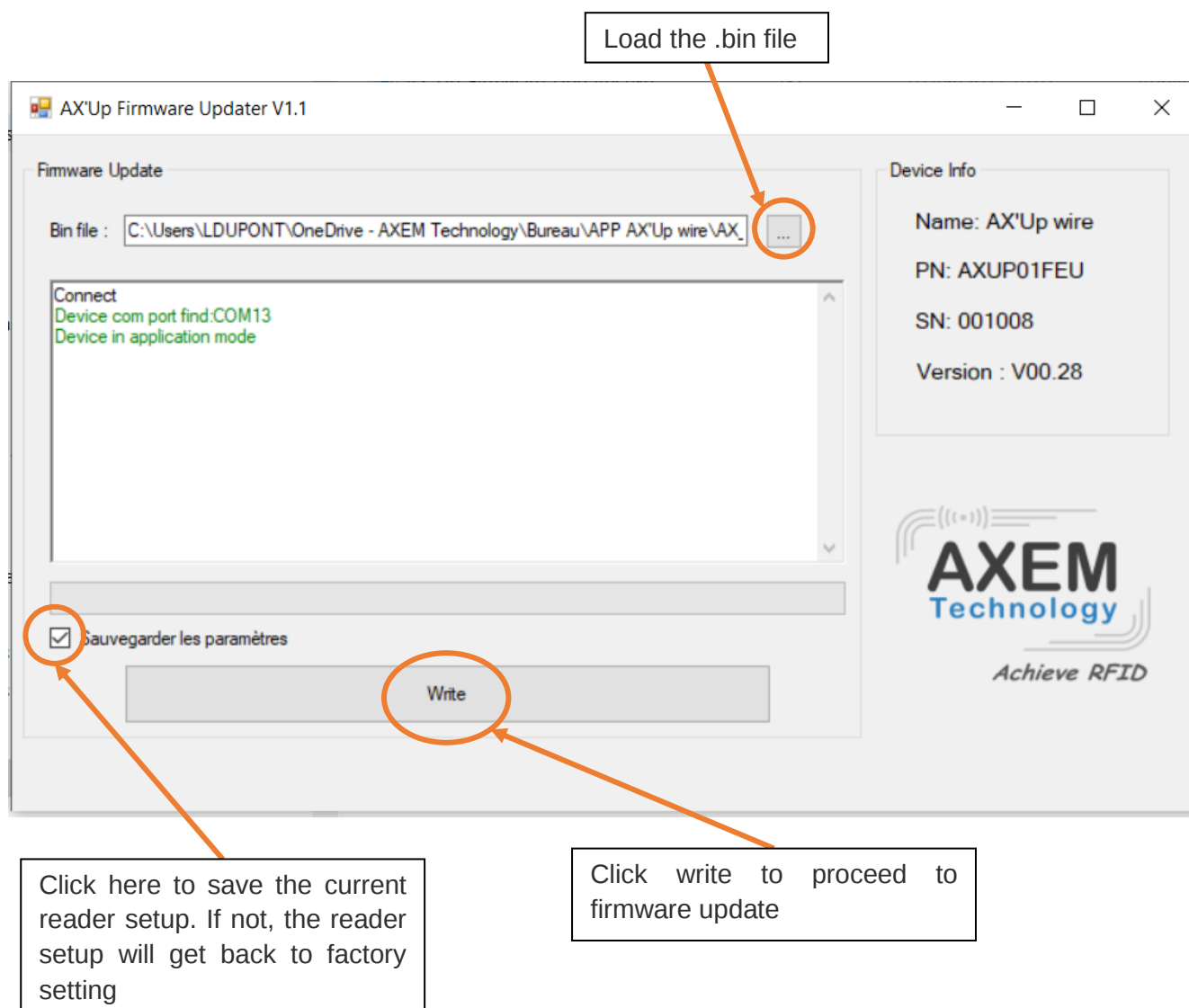
*RFID menu*



*Setting menu*

## 6 Firmware updater

If the reader firmware must be updated AXEM would provide a .bin file. A software is provided to make it possible:



## 7 Operating range and technical data

- UHF EU band, Chaneles 4, 7, 10, 13 (865.70Mhz / 866.30Mhz / 866.90Mhz / 867.50Mhz).
- Maximum power UHF: +27dBm
- Temperature operating range: -20°C to +48°C.
- Temperature storage: -40°C to +70°C.
- IP 54.
- CE / RoHS.
- Product weight: 200gr.

## 8 Safety instruction / laser equipment

- The product use white Lamp, as case with any brightness source, as the sun, tests following IEC 62471 has been done to demonstrate that the engine is safe for its intended application under usage conditions. However, the user should avoid looking into beam.
- The product uses a laser diode to form intuitive aiming aid. This Laser diode has been tested and found to comply with the limits for a **Class 1 laser product**, pursuant to Safety of laser products - Part 1: Equipment classification and requirements of IEC 60825-1:2014. A class 1 laser is safe under all conditions of normal use. However, the user should avoid looking into beam. Class 1 laser devices are not considered dangerous, but only if they are used for their intended purpose.

