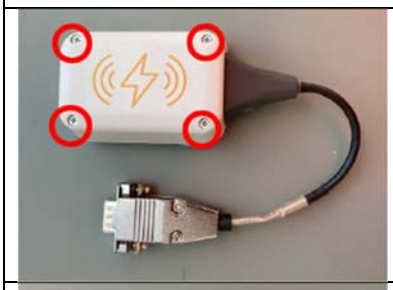
1. AUDIT TRAIL

Version	Change Description	Change Date
01	Initial Version	2023/05/05
02	Updated + translated version	2024/07/31
03	Updated by adding picture for microusb connection on PCB	2024/08/16

2. SIGNATURES

Signature Meaning	Name	Title	Date	Signature
Author	Gerard Evers	CEO	20240731	

3. WORK INSTRUCTIONS TO UPDATE NIVOLIS ANTON FIRMWARE

	Remove Nivolis-Anton from the Sentec / Radiometer monitor	Retirer tous les câbles entre Nivolis-Anton et les moniteurs Sentec ou Radiometer
	Remove Nivolis-Anton from the wireless charging platform	Retirer Nivolis-Anton de la plateforme de charge
	Switch on the Nivolis-Box Wifi Router	Allumez le routeur Wifi-4G NivolisBox
	Open Nivolis-Anton by unscrewing the 4 screws at the bottom	Ouvrir Nivolis-Anton en dévissant les 4 vis sous le dispositif
	Remove the cover	Retirer le couvercle

	Locate and remove the Micro-USB flat ribbon cable going from below the battery to the electronic board	Situer et retirer le câble plat Micro-USB partant de sous la batterie à la carte électronique
	Connect a microUSB cable to this connector on the electronic board and on a free USB connector on your computer	Brancher Anton sur le PC par le cable USB micro USB connecté à la carte électronique
	Ensure you do not have any other device connected to your PC that might create a serial communication port	Assurez-vous de ne pas avoir d'autres équipement susceptible de créer un port de communication série branché sur votre ordinateur
	Open the folder Anton_FW_Last and double click to execute the script 20240731__Anton.bat. Verify the progress of the update	Ouvrir le dossier Anton_FW_Last puis double cliquer pour exécuter 20240731__Anton.bat. Vérifier la progression de la mise à jour

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C:\Windows\system32\cmd.exe
esptool write_flash: error: argument <address> <filename>: [Errno 2] No such file or directory: 'NivolisAnton_2022.bin'

C:\__DocWork\2021_VIVA\__Firmware\__Anton>20240731__Anton.bat

C:\__DocWork\2021_VIVA\__Firmware\__Anton>esptool.exe --chip esp32 -b 460800 --before=default_reset --after=hard_reset w
rite_flash --flash_mode dio --flash_freq 40m --flash_size 16MB 0x1000 bootloader.bin    0x10000 NivolisAnton_2024.bin 0x
8000 partition-table.bin
esptool.py v3.3
Found 1 serial ports
Serial port COM14
Connecting....
Chip is ESP32-D0WD-V3 (revision 3)
Features: WiFi, BT, Dual Core, 240MHz, VRef calibration in efuse, Coding Scheme None
Crystal is 40MHz
MAC: 8c:4b:14:36:50:c0
Uploading stub...
Running stub...
Stub running...
Changing baud rate to 460800
Changed.
Configuring flash size...
Flash will be erased from 0x00001000 to 0x00006fff...
Flash will be erased from 0x00010000 to 0x0011ffff...
Flash will be erased from 0x00008000 to 0x00008fff...
Compressed 22480 bytes to 14597...
Wrote 22480 bytes (14597 compressed) at 0x00001000 in 0.8 seconds (effective 227.2 kbit/s)...
Hash of data verified.
Compressed 1110752 bytes to 758062...
Wrote 1110752 bytes (758062 compressed) at 0x00010000 in 17.6 seconds (effective 503.9 kbit/s)...
Hash of data verified.
Compressed 3072 bytes to 174...
Wrote 3072 bytes (174 compressed) at 0x00008000 in 0.1 seconds (effective 320.9 kbit/s)...
Hash of data verified.

Leaving...
Hard resetting via RTS pin...

C:\__DocWork\2021_VIVA\__Firmware\__Anton>
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	Upon success, remove the cable between the electronic board and the PC. Then reconnect the flat microUSB cable from below the battery to the micro USB connector on the electronic board	Si la mise à jour est réussie, débrancher le câble micro-USB entre la carte électronique et le PC. Puis reconnecter le câble plat microUSB partant de sous la batterie au connecteur micro-USB sur l carte électronique.
	Ensure that the white connector is still in place as indicated	Assurez-vous que le connecteur blanc est toujours bien en place

	Close Nivolis-Anton by paying attention to the cable location when closing	Fermer le boitier en faisant attention aux câbles
	Verify on the sever that the device did communicate	Vérifier sur le serveur que le dispositif a bien communiqué