# ANT-1776 nano – update to firmware 1.0.8.4 using Maris Guard

## Contents

For further help and advice please contact Antrica on:
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## Document info

| Version | date | author | Comments |
|---------|------|--------|----------|
| 0.1 | 30-Aug-23 | David M | Initial draft – install 3.6.3, Guard 2.8.1, Player 2.3.8 |
| | | | |
| | | | |

# 1. Setup

| PC windows 10 or 11 | to install and run Maris Guard and Maris player |
|---|---|
| ANT-1776 nano | to be updated |
| Update file | update-V1.0.8.4-D07_08_2023-13_03_23.tar.bz2 |

# 2. Install Maris Guard and Maris Player

Currently file name is: **maris_install_3.6.3_win10_x64.exe**

Available from:
https://downloads.antrica.com/UAV-Encoders/ANT-1776/Software/install-3.6.3_Guard-2.8.1_Player-2.3.8/

Run the application installer.
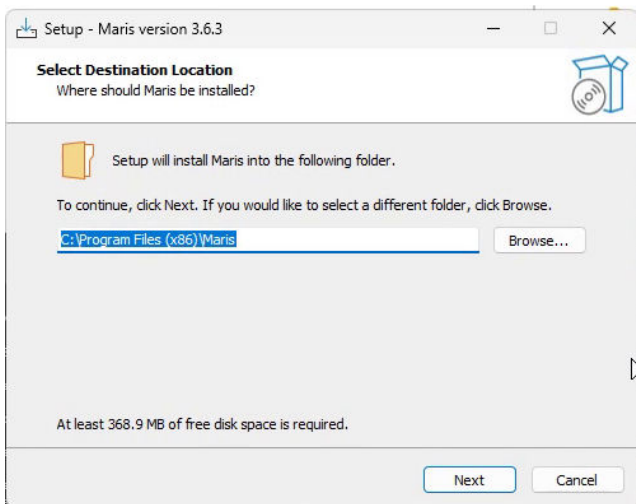
*Figure 1 : Install location*
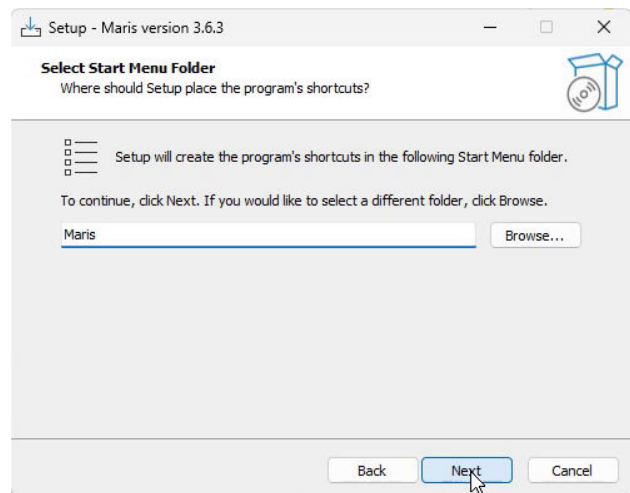


*Figure 2 : Start Menu folder name*



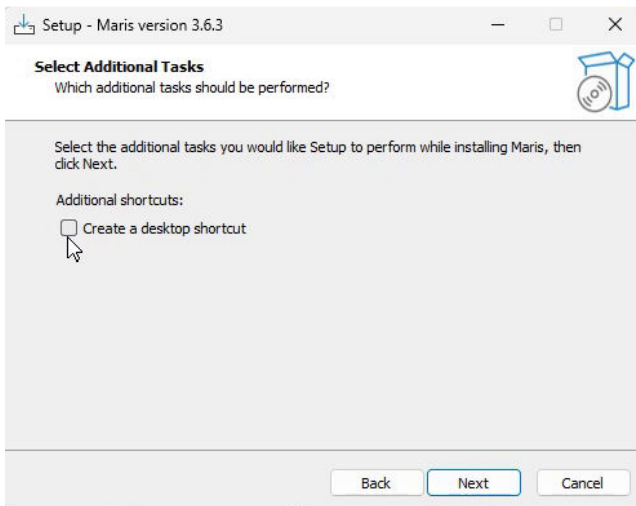*Figure 3 : Are Desktop short cuts required? - recommended*



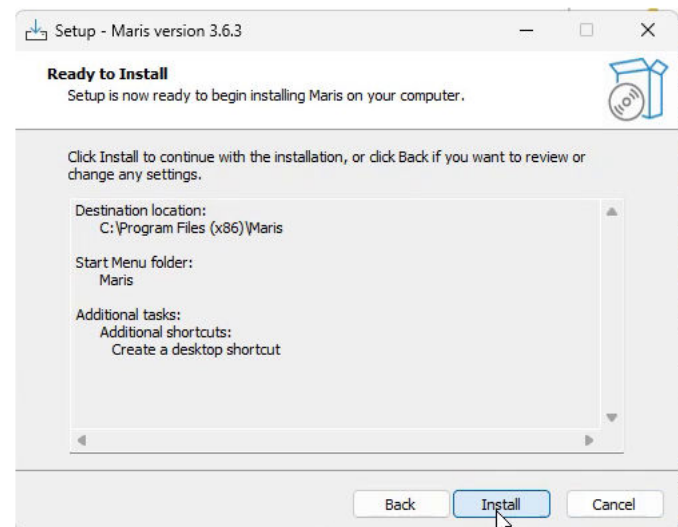*Figure 4 : installation overview*

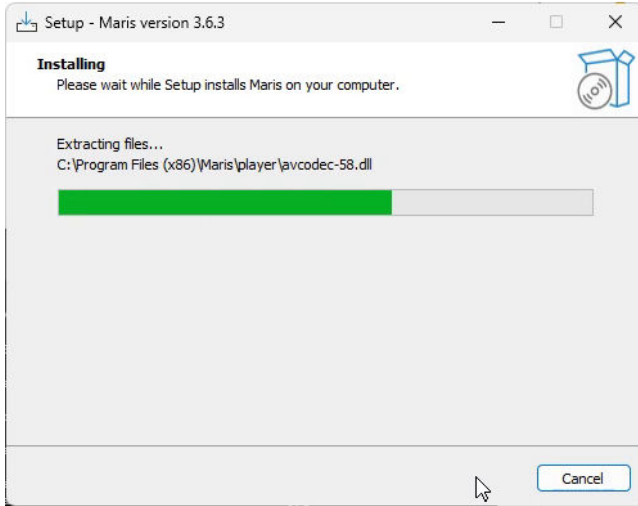*Figure 5 : Install progress*
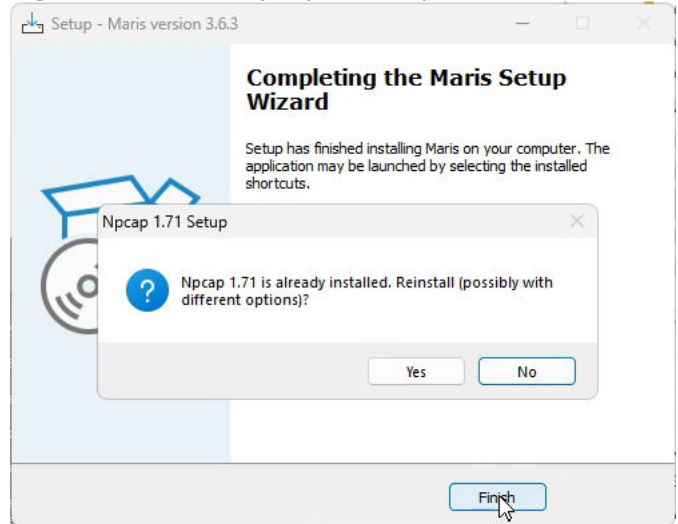


Figure 6 : install Npcap – if required



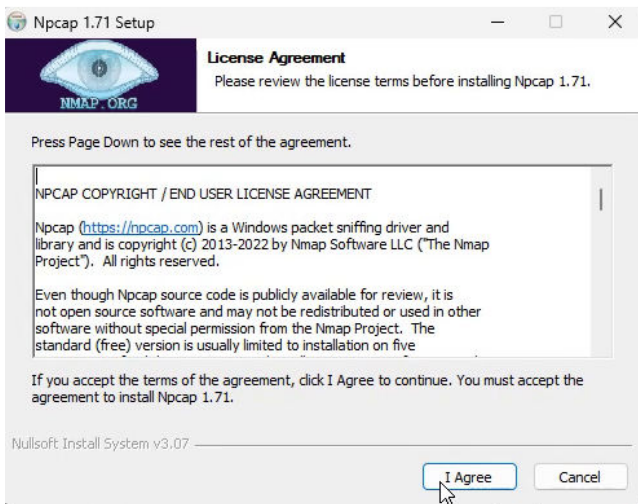*Figure 7 : Npcap License Agreement*
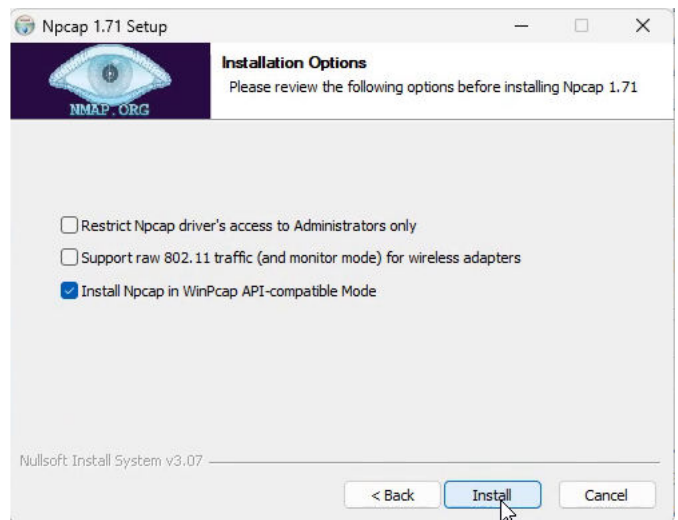


*Figure 8 : Npcap install options*
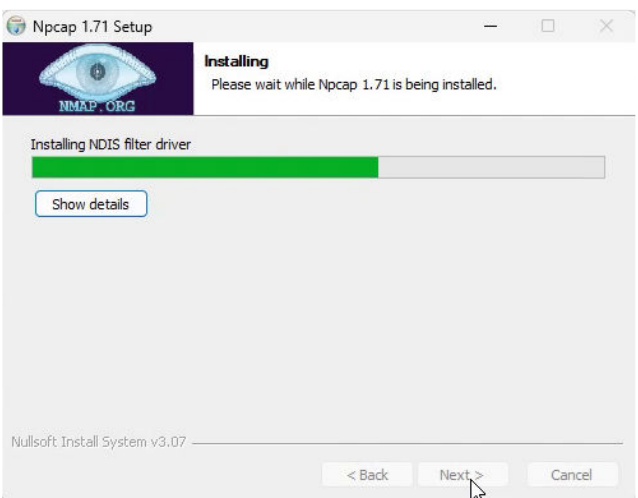


*Figure 9 : Npcap installing*



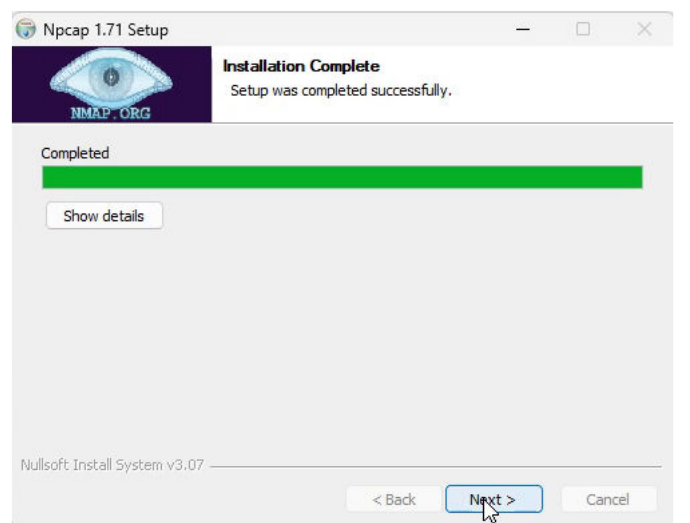*Figure 10 : Npcap installation finished*

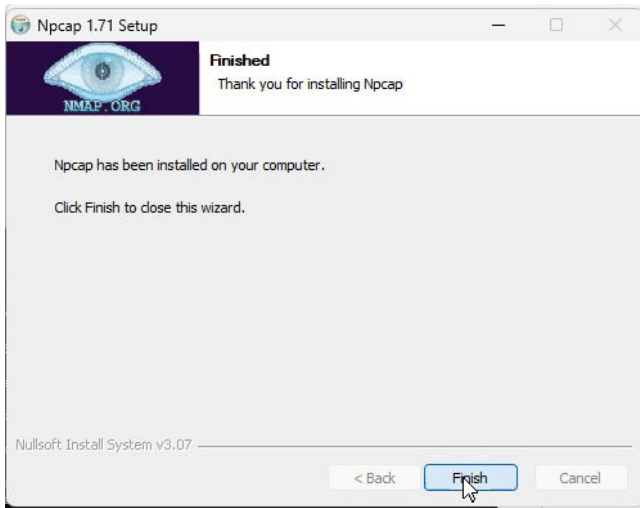*Figure 11 : Npcap installed*



*Figure 12 : Maris (Guard and Player) setup complete*
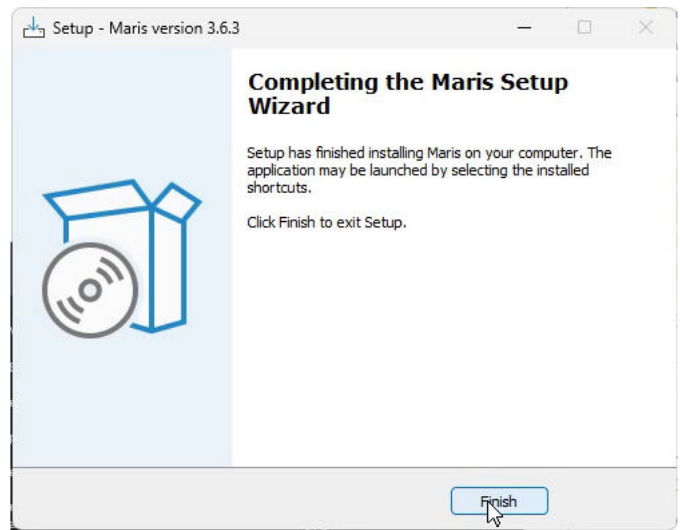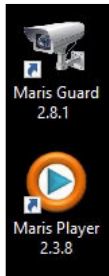


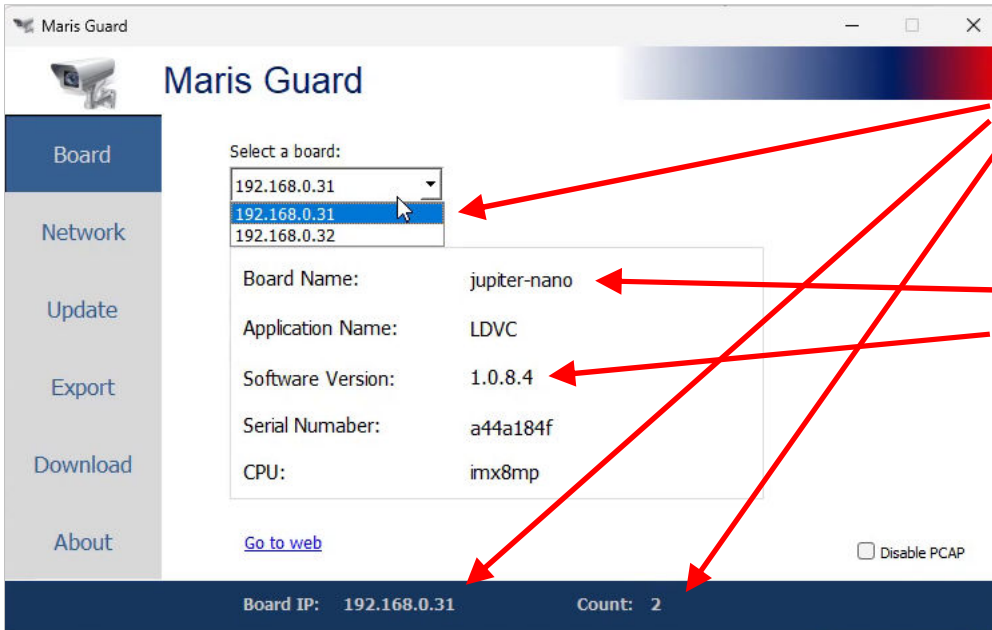*Figure 13 : Desktop shortcuts created*

# 3. Update firmware using Maris Guard

The update file "**update-V1.0.8.4-D07_08_2023-13_03_23.tar.bz2**" and should not be uncompressed or altered in any way. It can be downloaded from

https://downloads.antrica.com/UAV-Encoders/ANT-1776/Firmware/CURRENT%20Firmware/V1.0.8.4/

Run Maris Guard and select the required board

*Figure 14 : Maris Guard*



In this example there are 2 board on the network, hence either one of 2 IP addresses are selectable

The Board shown is the ANT-1776 nano (Jupiter-nano) with firmware 1.0.8.4

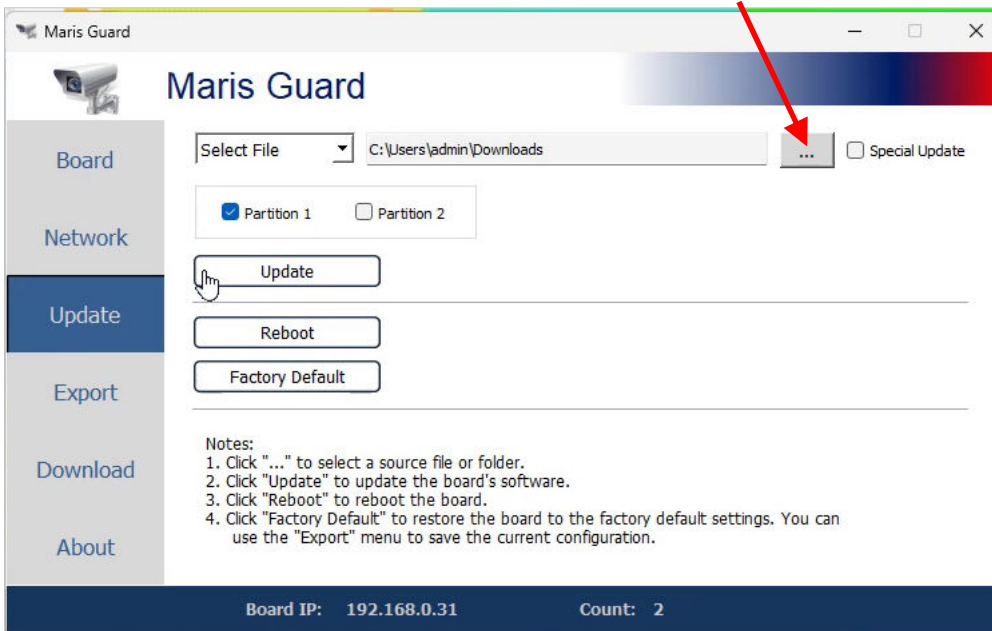*Figure 15 : Select "update" and then click "…" to navigation to file location*

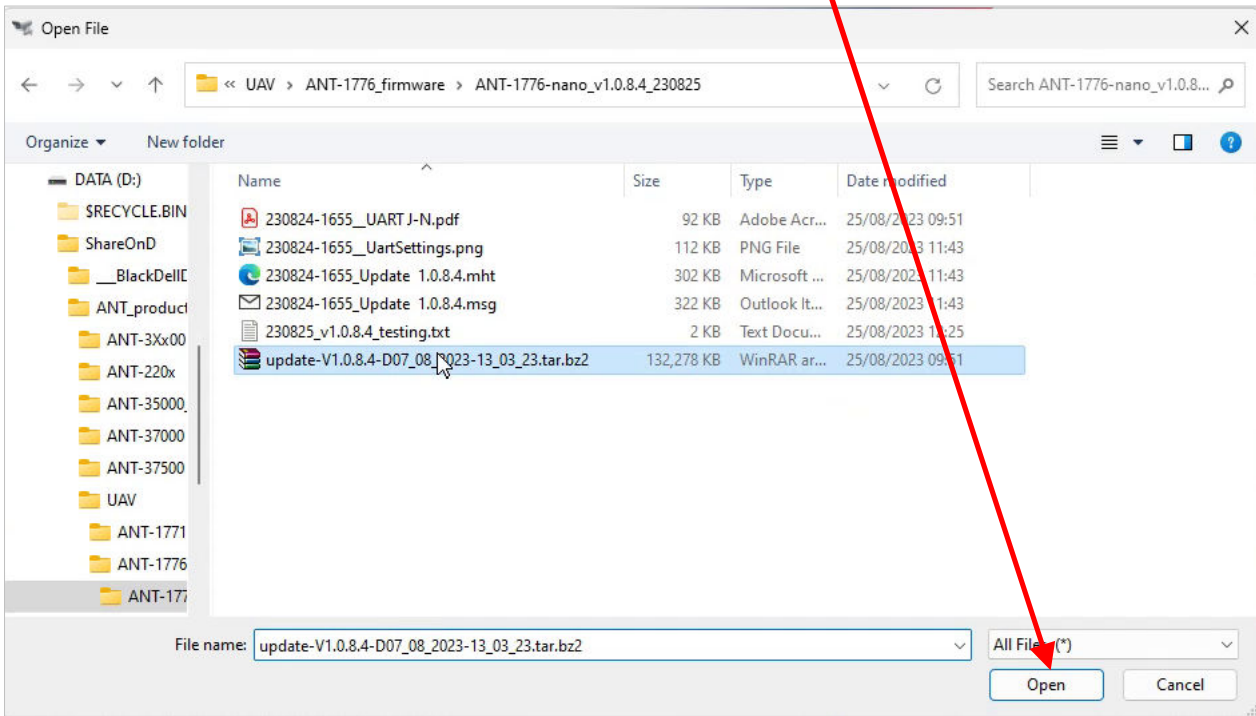*Figure 16 : Navigate to file location, select file then click "Open"*



*Figure 17 : Click "update"*



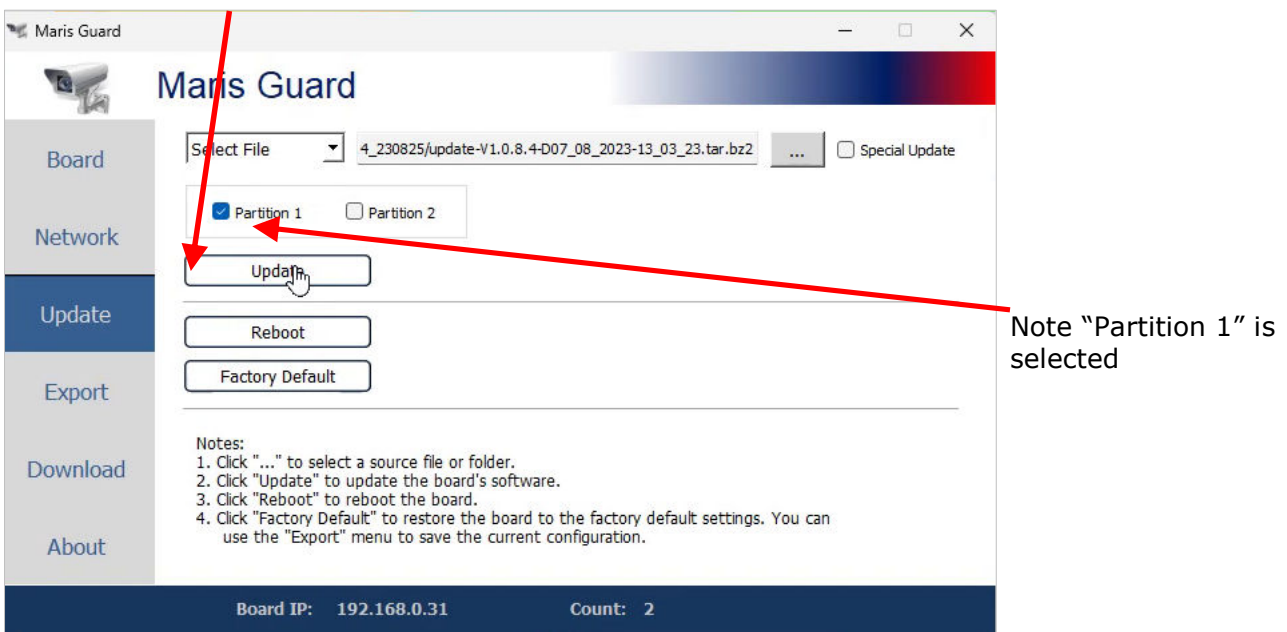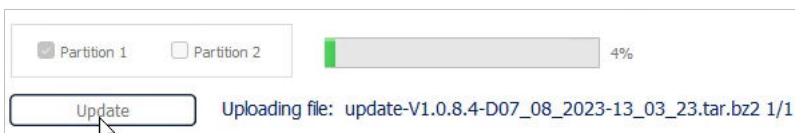Note "Partition 1" is selected
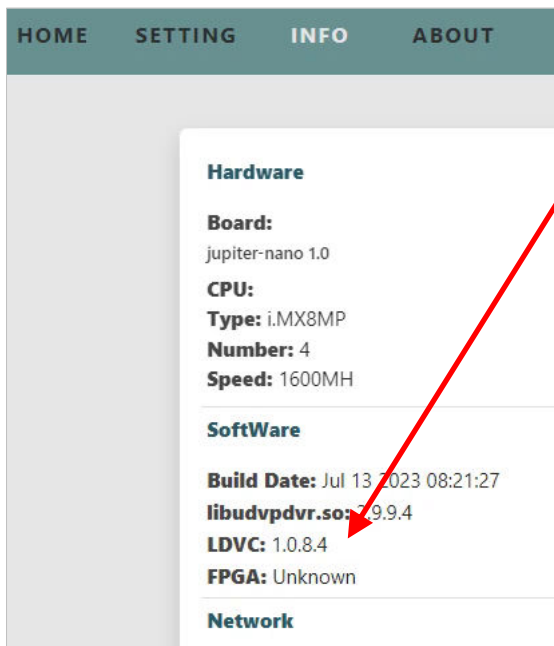
*Figure 18 : Update progress #1*



The update takes about 5 minutes. During this time the ANT-1776 nano will reboot.

*Figure 19 : Update message once update has completed*

The Webpage will now show the 1.0.8.4 version as the installed version, see Figure 20.

*Figure 20 : Webpage reported installed version - 1.0.8.4*

# 4. Maris player

## 4.1. Activation

Once installed the Maris Player has 30 free use period before an activation key is required. The popup appears each time the Player is started, and on the bottom of the player is a reminder

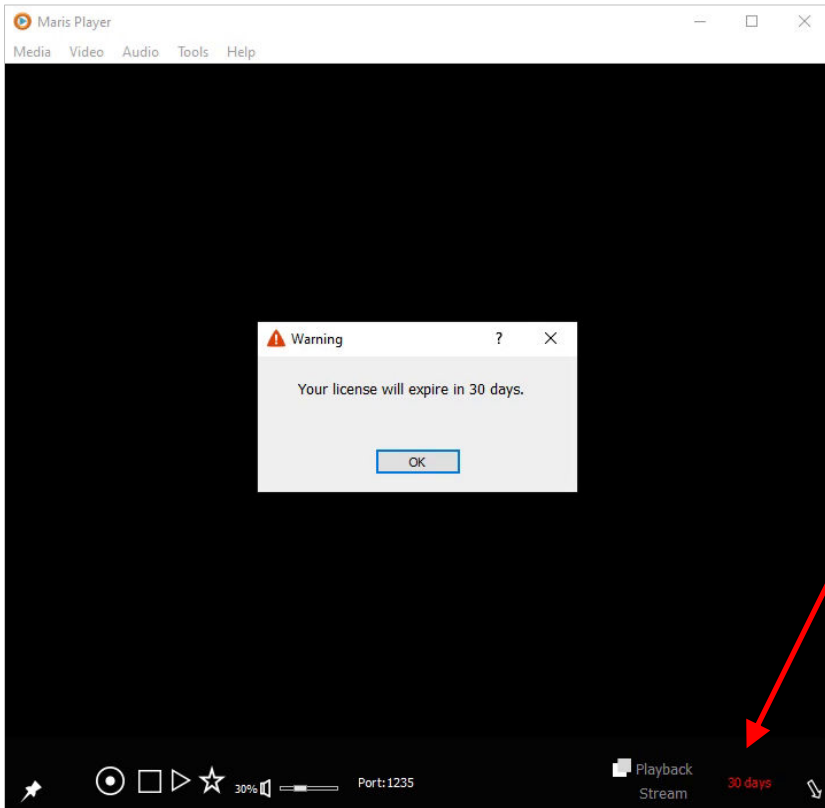*Figure 21 : Maris Player - activation reminder popup*



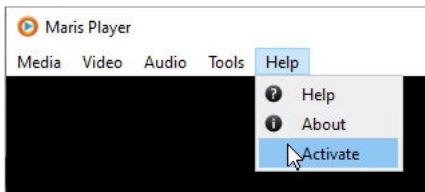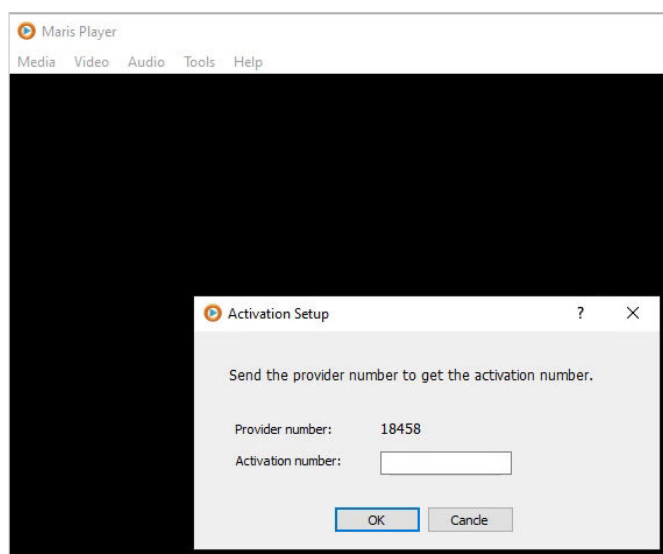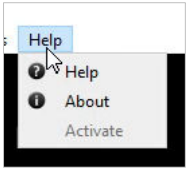*Figure 22 : Access Activate menu*



*Figure 23 : Activation setup - popup window*



You will need to contact us with the 5 digit "Provider number" and we will supply you with the "Activation number". Please note each time the "Activation setup" windows is open and closed the provided number will be different. We have to supply the "Activation number" for the unique "Provider Number".
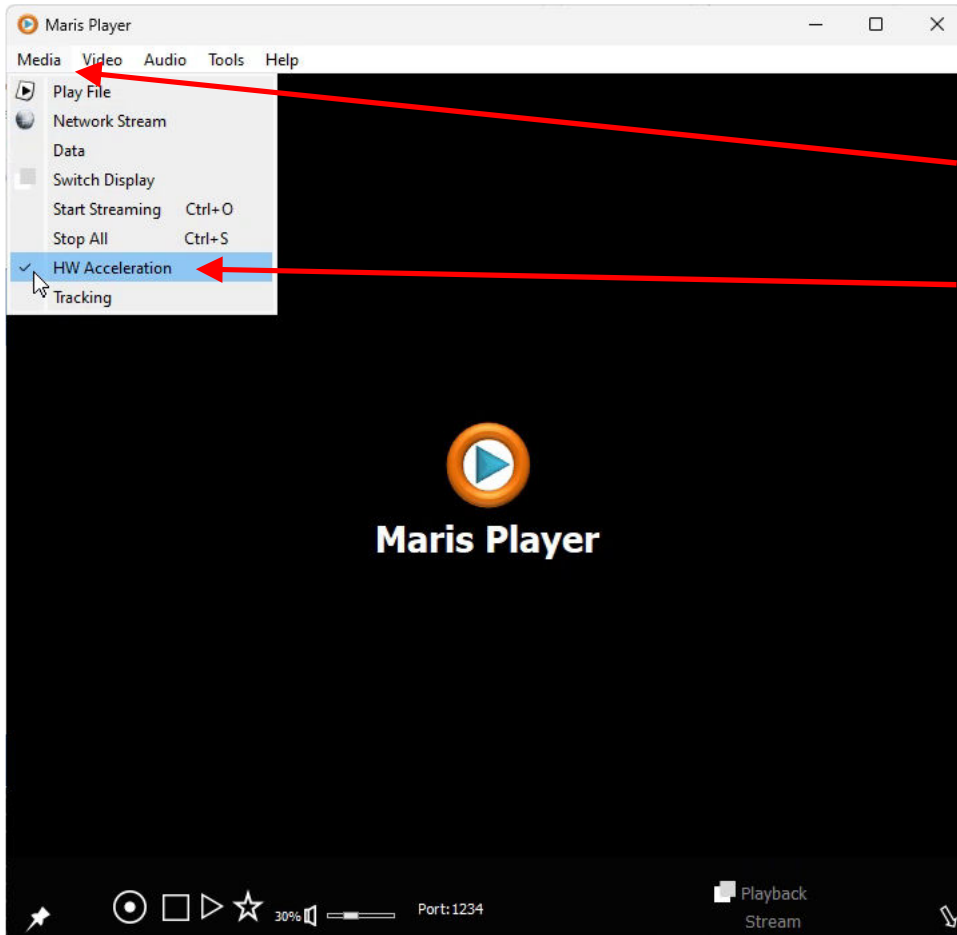
Once activated the "Activate" from the top menu is greyed out

*Figure 24 : Maris Player activated*



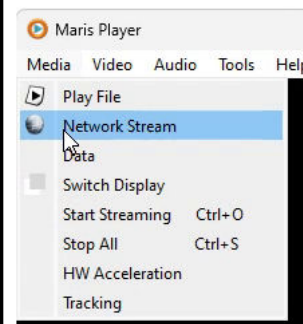The "HW Acceleration" need to be disabled, see Figure 25.

*Figure 25 : Maris player setup*



From the top menu select "Media"

and then move down to "unselect" "HW Acceleration" so it looks like Figure 26

*Figure 26 : "HW Acceleration" un selected*

## 4.2. RTSP streaming setup

To access the RTSP stream from mux1 the RTSP URL is **rtsp://192.168.0.30:554/mux1.sdp** . In Figure 27 and Figure 28 these setting are added. Then click "play" to start the steam
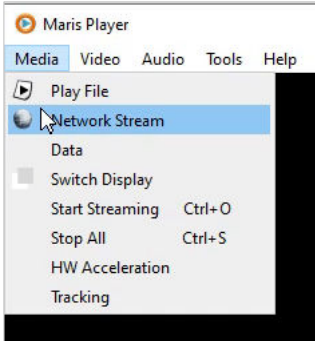
*Figure 27 : Access "Network Stream" settings*

*Figure 28 : Network streaming pop-up menu*