How to upgrade NX510 firmware and software

Prerequisites

Hardware: NX510SE system(PA-3, tablet and harness connection) or Desktop
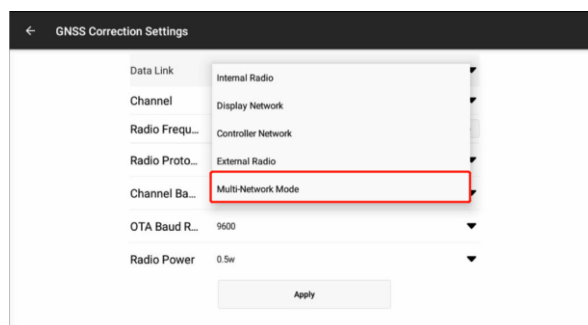Software: AGNAV3.0 software
Firmware: PA-3 firmware

Contents

Notes

1) Please ensure that the tablet has the internet before upgrading.

2) Upgrading the firmware firstly and then upgrading the software is required currently.

3) If upgrade the software online firstly by mistake, it may not be able to upgrade the firmware online due to the mismatch between software and firmware, so under this case, it is necessary to do a local upgrade with firmware file on the software interface to do firmware upgrade rather than online firmware upgrade, pls refer to **Part D** with more instructions.

4) With firmware online update, it is necessary to have tablet and PA-3 both with internet when it is with old software version, but with new software version, it is only necessary to have tablet with internet.

5) During firmware update, three lights are rolling circularly, then they will be all on shortly and system will reboot after firmware update is done. Update time is about 5 minutes usually, pls wait patiently and do not power off system or other operation.
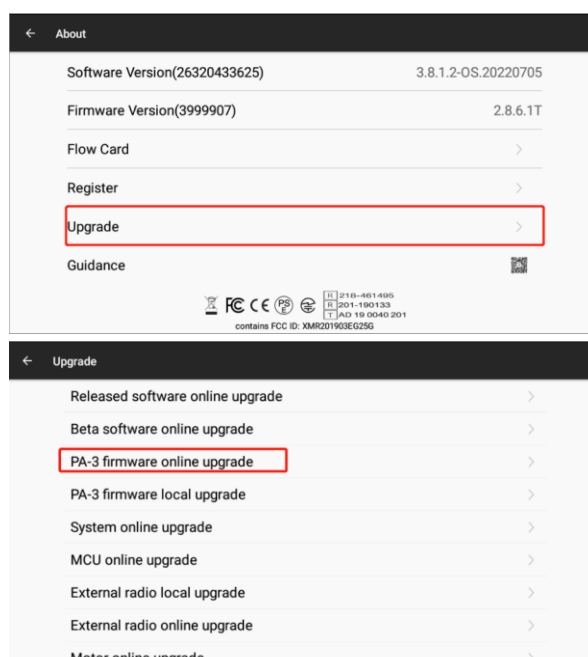
![CHCNAV]

Steps

Part A. Firmware online upgrade

a) Pls switch to **[Multi-Network Mode]** on the [**GNSS correction settings**], then click **[Apply];**
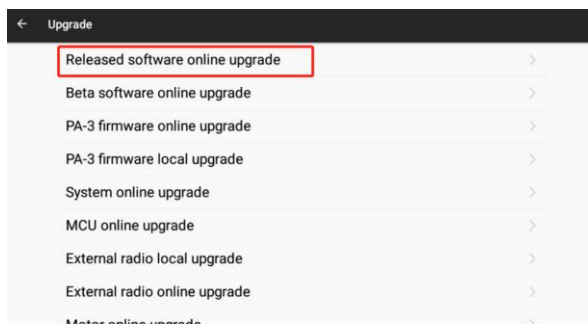

b) Go to **[Setting]** - **[About]** - **[Upgrade]** interface, click **[PA-3 firmware online upgrade]** to download and upgrade the firmware with the tablet network.
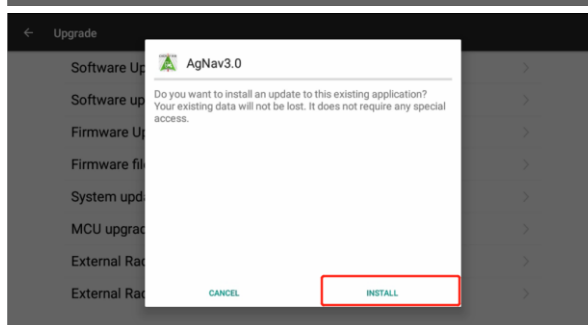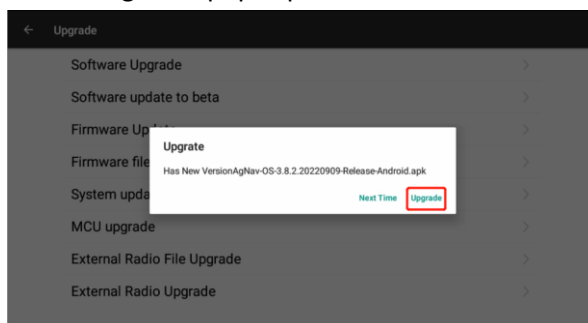
![CHCNAV]

Part B. Software online upgrade

a) Click **[Released software online upgrade** on the **[Upgrade]** interface;

b) Click **[Upgrade]** after the message box pops up.

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Part C. Firmware and software version check

a) After firmware and software updates, pls check if the version is correct and update is done successfully.
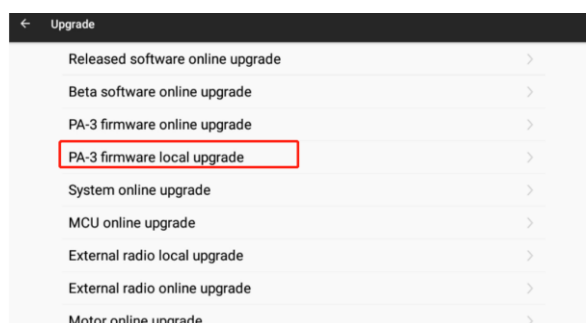

Part D. Instruction with firmware local upgrade.

a) Ask technical engineer for the latest firmware and copy it into a U disk. For example 2.9.5.5 firmware version as below,

b) Connect U disk to the tablet, then copy the file under the root directory on the tablet.

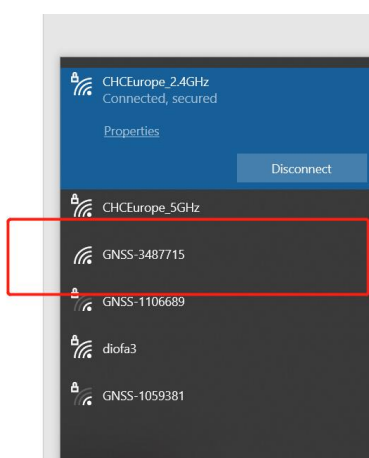c) Click **[PA-3 firmware local upgrade]** on the **[Upgrade]** interface;

d) Go to root directory and select the firmware bin file to upgrade the software. (When start the firmware local upgrade, the tablet will connect to the PA-3 controller WIFI automatically.)

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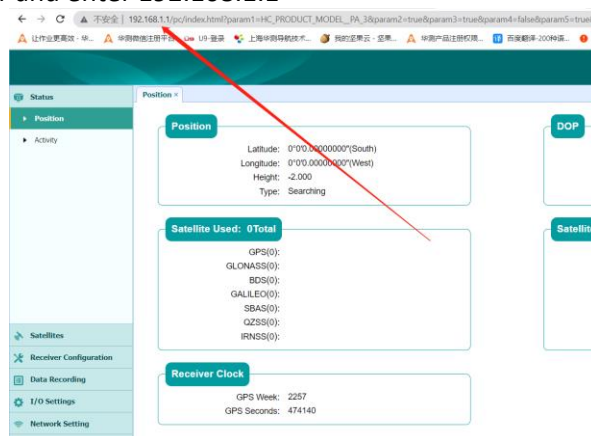
Part E. Instruction with firmware webpage upgrade.

a) Ask technical engineer for the latest firmware and put it on the desktop of PC. (The file extension should be .bin). For example 2.9.5.5 firmware version as below,
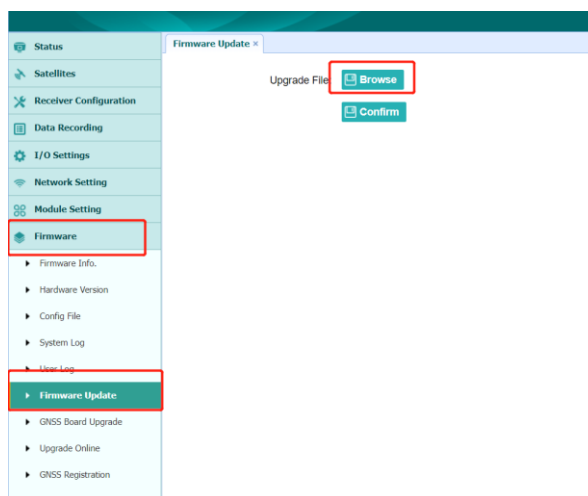

b) Connect to PA-3'wifi named "GNSS-XXXXXXX"

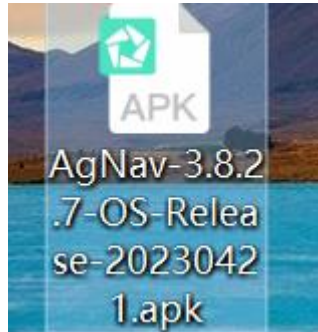c) Open Google browser and enter 192.168.1.1

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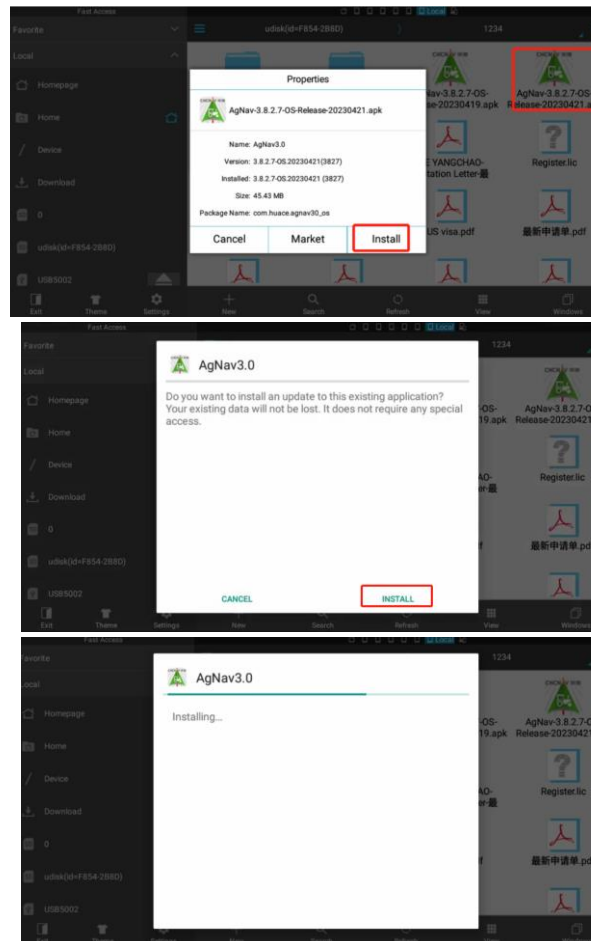d) Go to **Firmware**---**Firmware Update**

e) Select the firmware file and click **Confirm**. Wait around 5 mins to finish the update.

Part F. Instruction with software local upgrade.

a) Ask technical engineer for the latest software apk file and copy it into a U disk. For example 3.8.2.7 software version as below,

b) Connect U disk to the tablet, then copy the file under the root directory on the tablet and click apk file to install

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