

# How to upgrade the firmware or board of a receiver

# **Technical FAQ**



Aug 2024



### **Receiver Firmware updating**

We offer three ways to upgrade the firmware or oem board firmware of a receiver.

- 1) upgrade the firmware through the receiver's webpage
- 2) upgrade the firmware through controller and LandStar software
- 3) upgrade the firmware through receiver's USB function

Noted: Firmware upgrade, the receiver battery must be greater than 50% or they are charging, and don't turn off receiver

1. Controller Upgrade

#### Steps:

- 1) Open the LandStar software. Connect the receiver to the controller via WiFi.
- 2) Click the config option. Then select the Instrument info option.



- 3) click the upgrade option after the Receiver firmware/Board firmware
- 4) you can select :

We take firmware upgrade as an example.

#### Check for new firmware online (not currently support)

**Select a firmware file**(It is necessary to copy the firmware to the controller memory in advance. The firmware can be obtained by contacting the dealer or regional technical support engineer)

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Instrument type: i73+ IIII 1009	Instrument type: i73+ 100%	10110		
Expiration date: 2024-08-22	Expiration date: 2024-08-22	File name update_gnss_v14259_98_b20240604		
PN: A10675980007070005	PN: A10675980007070005	🚙 Internal storage		
SN: 3728730	SN: 3728730	/storage/emulated/0		
Receiver firmware : 2.7.8.4DEMOchenjunT	Receiver firmware : 2.7.8.4DEMOchenjunT	(Parent folder) /storage/emulated/0/1A华测导出文件夹 Promot 0		
Board firmware: 10110 🕥	B Check online for updated board			
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Data link : PDA network NTRIP	Di From sharing code	Uploading		
IP: 119.3.136.126	IP: 119.3.136.126	ок		
Port: 8001	Port: 8001			
Mountpoint: RTCM33	Mountpoint: RTCM33			
NTRIP username: abcd3661	NTRIP username: abcd3661			
NTRIP password: ****	NTRIP password: ****			
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Refresh	Refresh	Clean Upgrade GNSS board		



Noted: The receiver firmware upgrade is similar as board firmware, you can click the upgrade option after the Receiver firmware

**From sharing code**(Need to log in to CHCNAV cloud service and use the cloud service to share firmware online)



## 2. Webpage upgrade

#### Steps:

1) First use your computer or moible phone to connect to the receiver's wifi (the name is the receiver's SN number)

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	更多 Wi-Fi 设置

Open the browser and enter the page with the URL <u>192.168.1.1</u>.
 Noted: login account: admin,password: password



3) Select the firmware or board upgrade option, click browse to select the file, and then select confirm.

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## Noted: Please place the corresponding files in the correct locations.

#### 3. Receiver's USB function upgrade

#### Steps:

- 1) Connecting the receiver to the computer using the data cable Noted: Receiver uses Type-C connector
- 2) Put the upgrade file in the root directory of the receiver, turn on your receiver and let it upgrade automatically; it will take about 5 minutes.



(Noted: Only one upgrade file can be put in at a time, and the upgrade file can be requested from your local reseller or technical support staff.)

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