

Dragonfish Series Firmware and App Release Notes

Release Date	March 6, 2025
Dragonfish Pro	V13.03.45
Dragonfish Standard	V12.03.51
Dragonfish Lite	V11.03.51
Autel Voyager App	V3.3.3.77
RC Android System	V1.0.37

This **V3.5** firmware update does not include any new features. It only includes compliance modifications, bug fixes for existing features, and some user experience optimizations. For more details on the previous [V3 firmware update](#), please refer to the Dragonfish V9 Release Notes from 2024.06.27 on the Autel Robotics official website.

Bug Fixes and Optimizations:

- Optimized the battery monitoring system for Dragonfish Pro and Standard.
- Fixed the false alarm for battery overheating in some scenarios
- Fixed the issue of UOM notifications being sent to wrong regions.
- Fixed the issue where ASAT cannot be manually adjusted when there is no GNSS.
- Fixed the false notification of the IP address conflicts in some scenarios.

Notes

1. This update is intended for users with **V9 Dragonfish** (*Basestation SN starts with SD3*)
2. Please follow the update order: [**App** - **Android System** - **Firmware** - **Basestation Wi-Fi**]
3. After the initial firmware update to V3 firmware version, you will receive another firmware update prompt after power cycling the system. This is necessary because the RTK update cannot be completed during the first update. Please follow the instructions to proceed with the update again.

4. This version introduces the wings and tail calibration feature, allowing customers to easily swap wings and tail by following instructions on the app. For any questions regarding this feature, please contact our support team.
5. This version automatically adjusts the transmission frequency band according to local regulations. For enhanced video transmission distance and performance, please contact our support team.
6. After the update, the system may not reconnect automatically. In such cases, please manually pair the devices again to establish the connection.
7. You can easily access the documents **"Dragonfish Aircraft Flight Manual"**, **"Dragonfish Trouble Shooting Manual"**, **"Dragonfish Inspection Program"**, and **"Dragonfish Aircraft Maintenance Manual"** in the Autel Voyager App by navigating to More > New User Tutorials > Instructions.
8. This firmware update includes multiple modules. Please ensure you have a stable internet connection during the OTA update and conduct the operation in an environment with minimal radio frequency interference. Before updating, set up the base station with its antenna and place it around 2-3 meters from the aircraft. If the update fails, please verify that the above requirements are met before attempting the update again.

Firmware Version Table

Dragonfish Pro V9

COMPONENT	VERSION
GPS (0x3C)	1.0.3.2
Airspeed (0x2B)	2.0.4.0
5.8G Data Transmission Aircraft Terminal (0x29)	1.50.0.1
5.8G Data Transmission Ground Terminal (0x2A)	1.50.0.1
DF ESC4 (0x17) Right Servo	1.0.0.19
DF ESC3 (0x16) Left Servo	1.0.0.19
DF ESC2 (0x23) Tail Servo	2.0.1.1
Esc2 (0x15) Rear motor	1.0.1.12
Esc1 (0x14) Front motor	1.0.1.12
Sonar (0x0F)	0.0.2.0
Gimbal (0x0B)	0.0.1.138
Battery Hub (0x27)	1.1.12.0
Aircraft Battery(0x0A)	1.5.24.0
Flight Control (0x01)	3.2.3.53
Flight Image Transmission (0x02)	0.0.5.18
Camera (0x21)	1.5.2.72
Base Station MCU (0x05)	4.0.1.2
Ground Image Transmission (0x03)	0.0.5.18
Base Station Image Transmission (0x2C)	0.0.5.18
Base Station WiFi	1.1.0.30
Ground MCU (0x0E)	0.0.20.0
Visual Module(0x19)	1.5.2.72
Aircraft RTK Module (0XFA)	21877
Base Station RTK Module (0XFB)	22797

Dragonfish Standard V9

COMPONENT	VERSION
GPS (0x3C)	1.0.3.2
Airspeed (0x2B)	2.0.4.0
5.8G Data Transmission Aircraft Terminal (0x29)	1.50.0.1
5.8G Data Transmission Ground Terminal (0x2A)	1.50.0.1
DF ESC4 (0x25) Right Servo	1.0.8.1
DF ESC3 (0x24) Left Servo	1.0.8.1
DF ESC2 (0x23) Tail Servo	1.0.2.0
Esc2 (0x15) Rear motor	1.0.0.22
Esc1 (0x14) Front motor	1.0.0.22
Sonar (0x0F)	0.0.2.0
Gimbal (0x0B)	0.0.1.138
Battery Hub (0x27)	0.2.23.0
Aircraft Battery(0x0A)	0.3.13.0
Flight Control (0x01)	2.2.3.53
Flight Image Transmission (0x02)	0.0.5.18
Camera (0x21)	1.5.2.72
Base Station MCU (0x05)	4.0.0.12
Ground Image Transmission (0x03)	0.0.5.18
Base Station Image Transmission (0x2C)	0.0.5.18
Base Station WiFi	1.1.0.30
Ground MCU (0x0E)	0.0.20.0
Visual Module(0x19)	1.5.2.68
Aircraft RTK Module (0XFA)	21877
Base Station RTK Module (0XFB)	22797

Dragonfish Lite V9

COMPONENT	VERSION
GPS (0x3C)	1.0.3.2
Airspeed (0x2B)	2.0.4.0
5.8G Data Transmission Aircraft Terminal (0x29)	1.50.0.1
5.8G Data Transmission Ground Terminal (0x2A)	1.50.0.1
DF ESC4 (0x17) Right Servo	1.0.5.1
DF ESC3 (0x16) Left Servo	1.0.5.1
DF ESC2 (0x23) Tail Servo	2.0.1.1
Esc2 (0x15) Rear motor	1.0.0.10
Esc1 (0x14) Front motor	1.0.0.10
Sonar (0x0F)	0.0.2.0
Gimbal (0x0B)	0.0.1.138
Battery Hub (0x27)	0.2.21.0
Aircraft Battery(0x0A)	0.3.10.0
Flight Control (0x01)	1.2.3.53
Flight Image Transmission (0x02)	0.0.5.18
Camera (0x21)	1.5.2.72
Base Station MCU (0x05)	4.0.1.2
Ground Image Transmission (0x03)	0.0.5.18
Base Station Image Transmission (0x2C)	0.0.5.18
Base Station WiFi	1.0.0.30
Ground MCU (0x0E)	0.0.20.0
Visual Module(0x19)	1.5.2.72
Aircraft RTK Module (0XFA)	21877
Base Station RTK Module (0XFB)	22797