

# Dragonfish Series Firmware and App Release Notes

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Release Date	March 27, 2025
Dragonfish <b>Pro</b>	V13.03.47
Dragonfish <b>Standard</b>	V12.03.53
Dragonfish <b>Lite</b>	V11.03.53
Autel Voyager App	V3.3.3.79
RC Android System	V1.0.39

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This **V3.6** 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:

- Fixed an issue where switching between zoom and wide-angle lenses caused incorrect resolution display and black screens.
- Fixed an issue where switching system language during flight could trigger an emergency landing.
- Optimized RTK heading validation conditions to prevent incorrect heading due to interference or other factors.
- Fixed an issue where the L50T camera recorded in an incorrect aspect ratio at 1080P resolution.

## 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)	3.2.3.55
Flight Image Transmission (0x02)	0.0.5.18
Camera (0x21)	1.5.2.81
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)	2.2.3.55
Flight Image Transmission (0x02)	0.0.5.18
Camera (0x21)	1.5.2.81
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)	1.2.3.55
Flight Image Transmission (0x02)	0.0.5.18
Camera (0x21)	1.5.2.81
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