

Dragonfish Series Firmware and App Release Notes

Release Date	June 27, 2024
Dragonfish Pro	V13.03.27
Dragonfish Standard	V12.03.32
Dragonfish Lite	V11.03.33
Autel Voyager App	V3.3.3.42
RC Android System	V1.0.24

We're rolling out an app and firmware update for **V9 Dragonfish**. This update will add several new features and increase flight safety. Please make sure your app and firmware are all up-to-date before flying.

Flight Logic Adjustments

- **Adjusted Return-to-Home Logic:** The aircraft will avoid entering areas restricted by the geo-fence during Return-to-Home.

New Features

- Added Switch Waypoint feature, allowing users to choose any waypoint to fly to during the flight.
- Added altitude type option (ATL or MSL) in waypoint missions.
- Added Waypoints Management feature for editing all waypoint parameters on a single page.
- Added the ability to create and execute a temporary mission during flight, including waypoint missions, polygon missions, and figure-eight missions.
- Added a flight route prediction feature that shows the aircraft's planned route before execution.
- Added ability to adjust the home point after takeoff.
- Added temporary landing point feature.
- Added PinPoint feature for easy access to Quick mission, Temporary mission, Save, Edit, or Temporary Landing Point functionalities.

- Added offline map import feature
- Added map rotation and compass icon for orienting the map to North.
- Added map scale feature to the map.
- Added measuring distance feature to the map.
- Added projection options on the map interface: Stop and incremental projection
- Added support for MGRS coordinate system.
- Added compass display feature to the camera view.
- Added split-screen and linked zoom feature for thermal and zoom views.
- Added support for dual controllers (Lead and Member controllers).
- Added Fixed and Mobile options to the Work Mode (Mobile mode exclusively for ASAT use).
- Added Media Encryption feature
- Added Remote ID feature for European Region, Japan, and the United States.
- Added wings and tail calibration feature for non-original component compatibility.
- Added support for auto-syncing flight records with Airdata, Dronelogbook, and Autel Cloud.

Bug Fixes and Optimizations

- Optimized no-fly zone settings
- Optimized offline map functionality
- Optimized the user interface.
- Optimized the mission library functionality.
- Fixed other known issues.

Notes

1. This update is intended for users with V9 Dragonfish.
2. After the initial firmware update to this 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.
3. 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.
4. This version automatically adjusts the transmission frequency band according to local regulations. For enhanced video transmission distance and performance, please contact our support team.

5. After the update, the system may not reconnect automatically. In such cases, please manually pair the devices again to establish the connection.
6. 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.
7. 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 (0x25) Right Sev	1.0.0.19
DF ESC3 (0x24) Left Sev	1.0.0.19
DF ESC2 (0x23) Tail	2.0.1.1
Esc2 (0x15) R motor	1.0.1.12
Esc1 (0x14) FT motor	1.0.1.12
Sonar (0x0F)	0.0.2.0
Gimbal (0x0B)	0.0.1.132
Battery Hub (0x27)	1.1.3.0
Aircraft Battery(0x0A)	1.5.9.0
Flight Control (0x01)	2.2.3.47
Flight Image Transmission (0x02)	0.0.5.6

Camera (0x21)	1.5.2.60
Base Station MCU (0x05)	4.0.0.10
Ground Image Transmission (0x03)	0.0.5.6
Base Station Image Transmission (0x2C)	0.0.5.6
Base Station WiFi	1.1.0.30
Ground MCU (0x0E)	0.0.20.0
Visual Module(0x19)	1.5.2.49
Aircraft RTK Module (0XFA)	21877
Base Station RTK Module (0XFB)	22797
Radar (0x10)	2.1.1.11

Dragonfish Standard V9

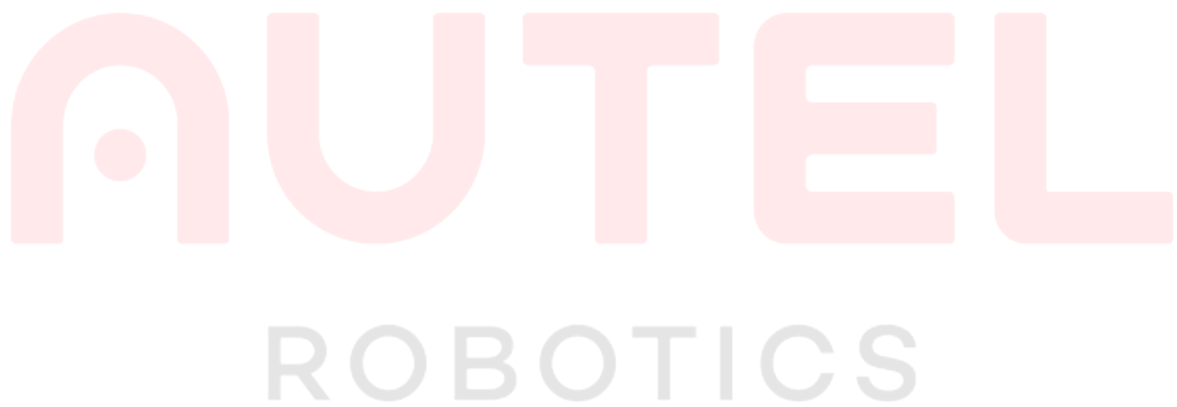
COMPONENT	VERSION
GPS (0x3C)	1.0.3.2
Airspeed (0x2B)	2.0.4.0
5.8G Data Transmission Aircraft Terminal (0x29)	1.50.0.1
5.8G Data Transmission Ground Terminal (0x2A)	1.50.0.1
DF ESC4 (0x25) Right Sev	1.0.7.0
DF ESC3 (0x24) Left Sev	1.0.7.0
DF ESC2 (0x23) Tail	1.0.2.0
Esc2 (0x15) R motor	1.0.0.22
Esc1 (0x14) FT motor	1.0.0.22
Sonar (0x0F)	0.0.2.0
Gimbal (0x0B)	0.0.1.132
Battery Hub (0x27)	0.2.10.0
Aircraft Battery(0x0A)	0.3.4.0
Flight Control (0x01)	2.2.3.47
Flight Image Transmission (0x02)	0.0.5.6

Camera (0x21)	1.5.2.60
Base Station MCU (0x05)	4.0.0.10
Ground Image Transmission (0x03)	0.0.5.6
Base Station Image Transmission (0x2C)	0.0.5.6
Base Station WiFi	1.1.0.30
Ground MCU (0x0E)	0.0.20.0
Visual Module(0x19)	1.5.2.49
Aircraft RTK Module (0XFA)	21877
Base Station RTK Module (0XFB)	22797
Radar (0x10)	2.1.1.11

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 (0x25) Right Sev	1.0.3.0
DF ESC3 (0x24) Left Sev	1.0.3.0
DF ESC2 (0x23) Tail	2.0.1.1
Esc2 (0x15) R motor	1.0.0.10
Esc1 (0x14) FT motor	1.0.0.10
Sonar (0x0F)	0.0.2.0
Gimbal (0x0B)	0.0.1.132
Battery Hub (0x27)	0.2.10.0
Aircraft Battery(0x0A)	0.3.4.0
Flight Control (0x01)	1.2.3.47
Flight Image Transmission (0x02)	0.0.5.6

Camera (0x21)	1.5.2.60
Base Station MCU (0x05)	4.0.0.10
Ground Image Transmission (0x03)	0.0.5.6
Base Station Image Transmission (0x2C)	0.0.5.6
Base Station WiFi	1.0.0.30
Ground MCU (0x0E)	0.0.20.0
Visual Module(0x19)	1.5.2.49
Aircraft RTK Module (0XFA)	21877
Base Station RTK Module (0XFB)	22797
Radar (0x10)	1.1.0.13


 The logo for Autel Robotics features the word "AUTEL" in a large, bold, light red sans-serif font. Below it, the word "ROBOTICS" is written in a smaller, grey sans-serif font.