DJI M300/M350 + SLAM200 Field Operation Guide

The SLAM200 supports modular, cross-platform, multi-mission configurations and can be mounted on the DJI M300/M350 to acquire data.

Optional accessory required:

DMT200 Airborne Adapter Kit

Firmware requirements:

- APP Version: 2.8.15 or later
- SLAM200 Version: 3.00.21 or later

1. Device Assembly：

Using the standard SLAM200 screwdriver and screws, align the airborne adapter with the reserved mounting holes on the back of the SLAM200 body and tighten to secure it.

Remove the dust cap from the aviation connector port on the back of the SLAM200. Note that the aviation connector has a reverse-insertion prevention design and blue-dot indicators. Ensure the blue-dot marker on the cable aligns with the blue-dot on the SLAM200 port before inserting — it will not insert in reverse.

After the SLAM200 and airborne adapter are assembled, mount the adapter to the drone following DJI's mounting procedure.

2. Flight Route Planning (skip this step for manual flight)

Use the DJI remote controller to plan the flight route. Recommended values:

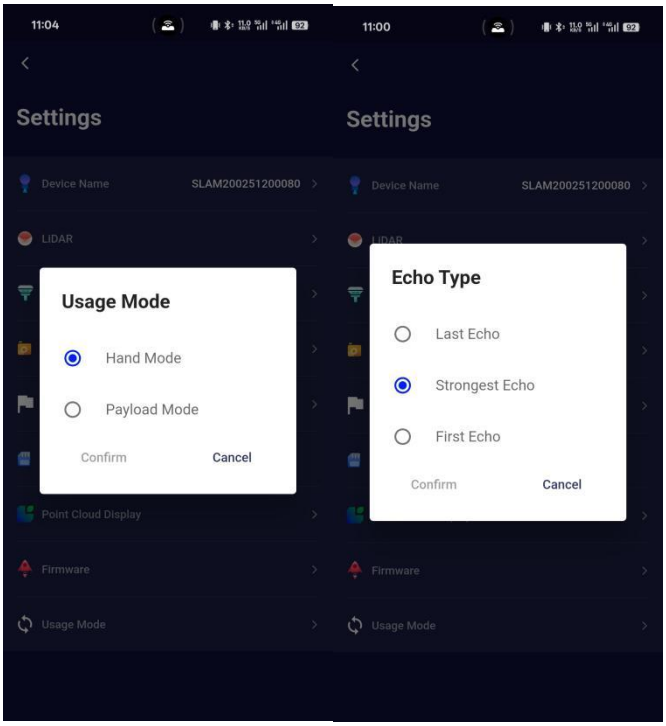
- **Flight altitude: Below 150 m, typical altitude: 100 m**
- **Flight speed: 5–13 m/s**
- **Route spacing: 30–100 m**

3 . SLAM GO APP Connection & Setup

Power on the DJI M300/M350 first, then manually power on the SLAM200. The device will initialize (the LiDAR head will rotate briefly and then stop). Connect the device via the SLAM GO APP.

Set the Operation Mode to Payload Mode, and configure the Echo Type based on the area being surveyed:

- Last Echo: Recommended for terrain mapping
- Strongest Echo: Recommended for areas with many buildings
- First Echo: Recommended when surveying power lines



After settings are complete, ensure no moving objects are in front of the device. The operator should stand behind the drone. You can start data acquisition by clicking Start Work in the APP or by pressing the physical button on the SLAM200.

After starting, the device will remain stationary for a short time (a countdown will be displayed in the APP). The LiDAR head will rotate slowly at first, then speed up. Once the static initialization is complete, take off.

During landing, if the APP is disconnected, you can stop data acquisition by pressing the physical button on the SLAM200. Then power off the SLAM200, followed by powering off the drone.

Notice：

- During manual flight, minimize drone shaking or sudden movements.
- Upload the flight route first, then configure the SLAM200. After static initialization, take off directly to minimize ground wait time.
- Do not allow any moving objects in front of the device during the static initialization phase.

Data Information:

In airborne mode, the device uses differential data from the drone system, stored in the .dfnav file located in the Raw Data folder.