Quick Start Guide

GENERAL USE

MU series is a rugged tethering station for multirotor drones. This compact and robust solution enables the transmission of power from an external ground power supply unit to the drone through the micro-tether. The aramid core of the micro-tether ensures the drone remains attached to the base station providing a safe phase of flight.

OPERATION WARNINGS

1. This device cannot work on rainy days, otherwise the cable will conduct electricity and may be broken.

2. Put the base station in open flat ground and leave at least 10m distance away from the aircraft.

3. The cable pulling speed is controlled by gear selection. When releasing/pulling the cable, you must keep the cable in a suitable tension to prevent winching and pulling the aircraft.

4. No touching the cable directly when the power is on.

5. No touching the cable directly when it is moving.

6. Blocking air outlet is strictly prohibited. The observation window can be opened for heat dissipation when hot.

7. The aircraft should be equipped with battery in case of power-off.

8. When the overheating warning is ignited, please withdraw the aircraft and shut down the system in minutes.

9. Do not change the system components/software settings. Any risk caused by unauthorized change will be covered by yourself.

BEFORE USE

1. Open the ground station cover.

2. Connect the tether and power cable to the drone.

3. Connect the station with the 220vac power supply. (Main supply, mobile power station, or generator power ≥ 3.5KW.)

Attention. Please start the generator and wait for 3~5 minutes.

4. Check if the winch control button is in the '0' position. If not, please adjust it to the '0' position.

TAKING OFF

1. Open the safety switch.

2. Switch on the system on/off knob, then you can see the screen on. The system will make a self-check in seconds and stand by.

Attention. There is NO power supply to the aircraft at this stage.

3. Long-press the power transferring switch by 3s to ignite the power conversion system. You can see the electric data on the screen now. The power is now transferred to the aircraft.

Attention. Only turn the power switch ON when the drone is connected.

4. Take off your aircraft and it will pull out the cable.

Attention. Control the aircraft to keep the cable in a suitable tension.

5. When the cable extends to limit length, the alarm will be triggered (press the cable power button to cancel the alarm). Please do not fly higher. Low down the aircraft a bit in case of emergency.

Attention. It may be so noisy that the alarm may not be noticed. Please pay attention to avoid cable length over limit.

LANDING

1. Low down your aircraft and adjust the gear selection to get the cable back in.

Attention. Keep the cable in a suitable tension.

2. Land your aircraft to the ground and power it off.

3. Long press 3s on the power switch to shut the power off.

4. Disconnect the ultra-light cable from the aircraft and get it into the station.

5. Switch off the power knob.

Attention. If hot, please leave it some minutes for cooling.

6. Power off the safety switch.

7. Pull out the power supply and turn off the cover.