DATALINK 3

Quick Start Guide

V1.0

Disclaimer

Congratulations on purchasing your new DJI™ product. The information in this document affects your safety and your legal rights and responsibilities. Read this entire document carefully to ensure proper configuration before use. Failure to read and follow instructions and warnings in this document may result in serious injury to yourself or others, damage to your DJI product, or damage to other objects in the vicinity. This document and all other collateral documents are subject to change at the sole discretion of DJI.

By using this product, you hereby signify that you have read this disclaimer and warning carefully and that you understand and agree to abide by the terms and conditions herein. You agree that you are solely responsible for your own conduct while using this product, and for any consequences thereof.

You agree to use this product only for purposes that are proper and in accordance with all applicable laws, rules, and regulations, and all terms, precautions, practices, policies and guidelines DJI has made and may make available.

DJI accepts no liability for damage, injury or any legal responsibility incurred directly or indirectly from the use of this product. The user shall observe safe and lawful practices including, but not limited to, those set forth in this document.

Notwithstanding above, your statutory rights under applicable national legislation are not affected by this disclaimer.

Warning

1. Always stay alert when using the DATALINK 3. Carelessness may result in serious harm to yourself and other people.

2. DJI provides User Manual for you to understand DATALINK 3. Be sure to read the user manual thoroughly and the quick start guide prior to operating your DATALINK 3.

DATALINK 3

DJI DATALINK 3 is a long range video downlink capable of transmitting data at distances up to 3 km*. It is compatible to DJI series flight controllers ** and other non-DJI flight controllers***. DJI DATALINK 3 includes a ground system and an air system, which can be operated under the frequency of 2.4 GHz. The multi-functional ports on the air system enable users to set SBUS, DBUS, CAN, and UART alone or altogether, satisfying various needs and applications. DATALINK 3 integrates the remote controller module into the Ground System, which comes with a number of aircraft and gimbal controls as well as some customizable buttons. By using Channel Settings, i.e. DJI ASSISTANT™ 2 for DJI series flight controllers, the buttons on the remote controller can be customized to meet different requirements in photography, mapping, agriculture, etc. When used with either MG-FE™

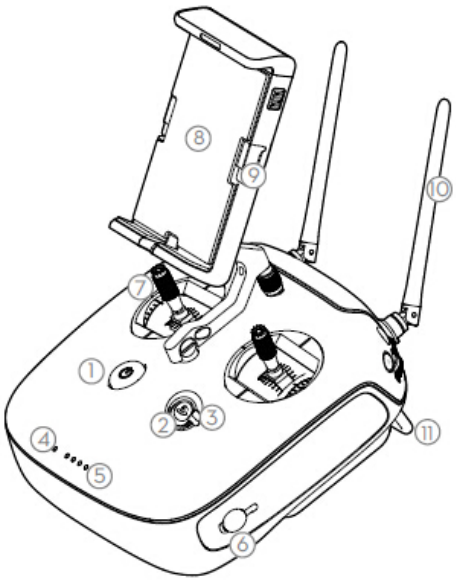
or GS Pro* apps, users will be able to see and change live parameters, completing complex tasks more easily. The remote controller boosts a maximum working time of 24 hours*.

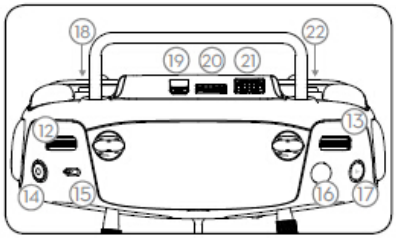
* The remote controller is able to reach its maximum transmission distance (SRRC) in a wide open area with no Electro-Magnetic interference, and at an altitude of about 100 meters.

**Refer to the Specifications for details on supported DJI flight controller series.

***Coming soon

Ground System (C1 Remote Controller)

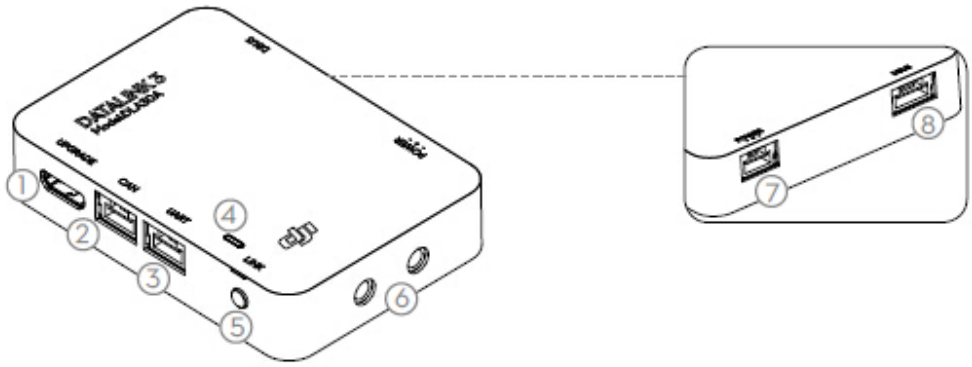




1. Power Button
2. RTH Button
3. SW2 Switch*
4. Status LED
5. Battery Level LEDs
6. Power Port
7. Control Sticks
8. Mobile Device Holder
9. Small Device Positioning Tabs
10. Antennas
11. Handle Bar
12. Dial LW*
13. Dial RW*
14. D Button*
15. SW1 Switch*
16. A Button*
17. B Button*
18. C1 Button*
19. Micro USB Port
20. CAN/UART Port
21. USB Port
22. C2 Button*

*Customizable via channel setting.

Air System



1. Firmware Update Port (Micro USB)
2. CAN Port
3. UART Port
5. Linking Button
6. Antenna Ports
7. Power Port
8. DBUS/SBUS Port

1. Downloading MG-FE or GS Pro

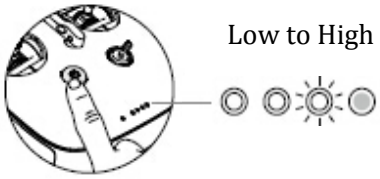
Scan the QR code below or visit the App Store to download DJI's MG-FE or GS Pro apps.

MG-FE GS Pro

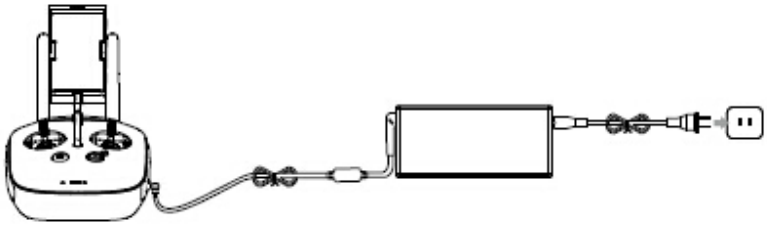
*DJI MG-FE only supports some mobile devices with Android 4.4 or above. Refer to Specifications for more details. GS Pro is only supported on the iPad.

2. Battery Level and Charging

Press the power button once to check the battery level. Press and hold for 2 seconds to power on the remote controller.



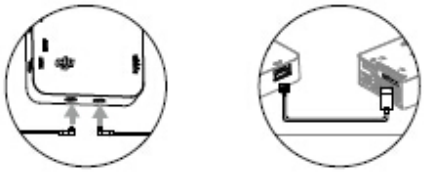
Please use the included charger to charge the remote controller, when the power level is low. It is recommended to charge the remote controller with the power off. **Please recharge the battery at least every three months to ensure it remains in a fully charged state – the battery will deplete when stored for long periods.**



It takes about 4 hours to fully charge the remote controller.

3. Linking

Example: DJI N3 Flight Controller.



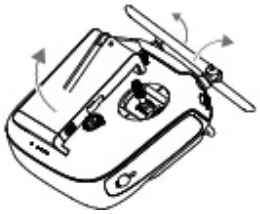
a. Insert the antennas into the ports on the side of the air system and snap into place.

b. Connect the DBUS/SBUS port on the air system with the RF port on the DJI flight controller series using the provided DBUS cable.

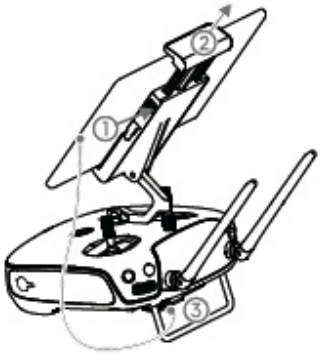
c. Power on the remote controller and press the C1, C2 and D buttons simultaneously. The Status LED will blink blue and make a warning sound, indicating that linking has started.

d. Press the Linking Button on air system. Status LEDs on both the remote controller and the air system will be solid green when linking is complete.

4. Preparing Your Remote Controller



Unfold the remote controller



a. Press the clamp on the mobile device holder.

b. Adjust the mobile device hold to tighten the mobile device.

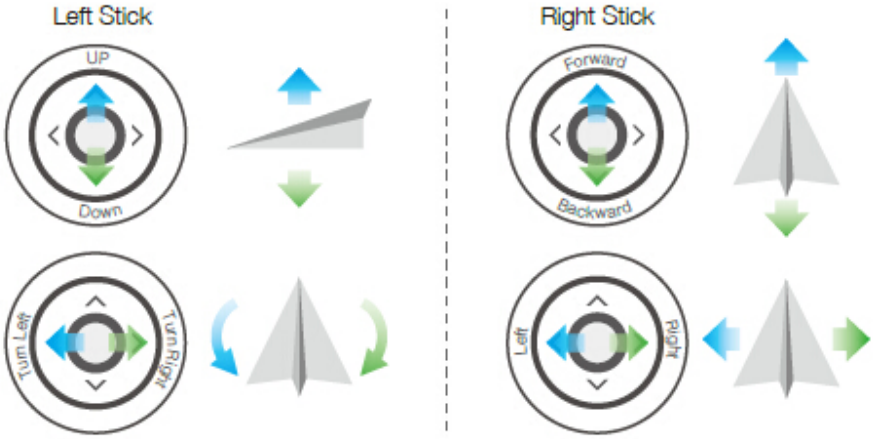
c. Connect the mobile device and the remote controller via a Micro USB cable.

Strong

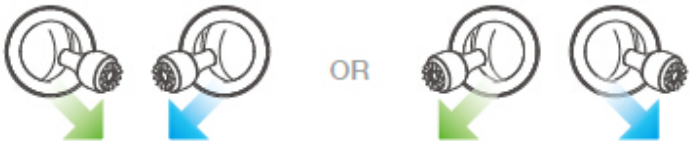
Weak

5. Flight

DJI's series of Flight Controllers have a default flight mode is known as Mode 2. The left stick controls the aircraft's altitude and heading, while the right stick controls forward, backward, and left and right movements.



Combination stick command to start/stop the motors



Push the left stick up slowly for take off

Pull the left stick down slowly until you touch the ground. Hold down for a few seconds to stop the motors

⚠	Refer to Datalink 3 User Manual for more operation information.

6. Industrial Application

With numerous customizable buttons, which can be channel set by using compatible flight controller software, the C1 remote controller can be applied to agriculture, mapping and photography, and will support more industrial applications.

⚠	The C1 Remote Controller does not support image transmission and does not have a GPS module. Please mount the GPS module on the remote controller when necessary. Refer to the DJI Datalink 3 User Manual.

Specifications

General

- Max Transmission Distance (unobstructed, free of interference): 3 km (SRRC)
- Operating Frequency: 2.400GHz to 2.483GHz
- Transmitter Power (dBm): <20dBm
- Supported DJI Flight Controllers: N3, A3, N3-AG, A3-AG
- Supported Android Mobile Devices (For MG-FE): Android 4.4 and above

Ground System (C1 Remote Controller)

- Model: DLG30A
- Dimensions 182 × 172 × 71 mm
- Charging Temperature Range: 32° to 104° F (0° to 40° C)
- Built-in battery: 6000mAh LiPo 2S
- Operating Voltage: 1.2A @7.4V

Air System

- Model: DLA30A
- Dimensions (antennas excluded): 50.6 × 35 × 10.7 mm
- Weight (antennas excluded): 23 g
- Operating Voltage: 8V~30V
- Operating Temperature Range: 14° to 122° F (-10° to 50° C)

GPS Module

- Satellite Positioning Systems: GPS/GLONASS
- Max. Current: 125 mA
- Max. Voltage: 5.3 V
- Weight: 33.9 g

Charger

- Voltage： 17.4V
- Rated Power： 57 W

SZ DJI TECHNOLOGY CO., LTD. hereby declares that this device is in compliance with the essential requirements and other relevant provisions of the RED Directive.

A copy of the EU Declaration of Conformity is available online at www.dji.com/euro-compliance

CE EU contact address: DJI GmbH, Industriestrasse. 12, 97618, Niederlauer, Germany.

For detailed information, please visit the website and download the latest user manual.

http://www.dji.com/cn/product/xxxxxxxxxx

This content is subject to change.

FCC Compliance Notice

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

RF Exposure Information

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

For Air System (DLA30A):
This device should be installed and operated with minimum distance of 20 cm between the radiator & your body.

For Remote controller (DLG30A):
This device has been tested and meets applicable FCC limits for radio frequency (RF) exposure. Specific Absorption Rate (SAR) refers to the rate at which the body absorbs RF energy. During SAR testing, the device is set to the highest transmission levels and placed in positions that simulate use near the body with 10 mm separation and against the hand, with no separation. To ensure exposure levels remain at or below the as-tested levels, use the accessories designated and tested with this product. Accessories with metal parts may change the RF performance of the device, including its compliance with RF exposure guidelines, in a manner that has not been tested or certified.