

LTE USB Modem

User Guide

使用说明

使用説明

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사용자 가이드

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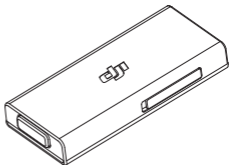
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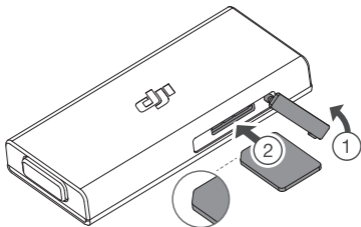
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Руководство пользователя

v1.0 2021.10



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SIM Card Slot Cover

SIM Card Slot

Antenna Ports Cover

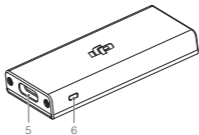
Antenna Ports

SIM 卡槽保护盖

SIM 卡槽

天线接口保护盖

天线接口



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USB-C Port
USB-C 接口

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Status Indicator
指示灯

Disclaimer

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Warning

1. The LTE USB Modem does not include a SIM card. Use a SIM card that is compatible with the product operating frequency and the chosen mobile network provider and select a mobile data plan according to the planned level of usage. Users are responsible for these additional costs.
2. The LTE USB Modem only supports nano-SIM cards.
3. DO NOT touch the LTE USB Modem when it is in use as it may be hot.
4. This product is NOT a toy. Children should only operate this product under the supervision of adults.
5. Small parts of this product and its accessories are dangerous if swallowed. Keep all parts out of reach of children.

6. DO NOT connect this product to non-specified devices. Otherwise, users may violate local regulations and laws and the product may be damaged. Specified devices include Windows computers and compatible DJI devices. Refer to the user manual, user guide, or other manual documentation of the corresponding DJI device to learn more about the compatibility.

Introduction

Supporting various communication standards and frequency bands, the LTE USB Modem enables users to connect to the internet and transmit data between devices through a network service when used with a nano-SIM card.

Installation

Installing the SIM Card

As shown in Figure A, open the SIM card slot cover on the modem, insert the nano-SIM card into the slot in the same direction as in the figure, and close the cover.



Open the cover and press the SIM card to release it.

Connecting to a Device

The modem can connect to a computer or other compatible devices. Connect the USB-C port on the modem to the corresponding port on a device using a compatible cable according to the port.

Status Indicator Descriptions

The modem will automatically power on when the connected device is powered on. The status indicator indicates the current working status. Refer to the table below for more information.

Indicator Status	Description
Solid green	Strong 4G signal
Blinks green	Weak 4G signal
Solid blue	Strong 2G/3G signal
Blinks blue	Weak 2G/3G signal

Solid red	No SIM card detected. Check if SIM card is in good condition and inserted correctly
Blinks red	SIM card inserted, but no network signal. Check the network signal coverage and the network service of the SIM card

Specifications

Telecommunication Standards	TDD-LTE/FDD-LTE/WCDMA/GSM
Operating Frequency Bands	TDD-LTE: B34/38/39/40/41 FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20 B25/B26/B28/B66/B71 WCDMA: B1/B2/B4/B5/B6/B8/B19 GSM: 850/900/1800/1900 MHz
Interface	USB-C port, nano-SIM card slot, TS-5 antenna ports
Antennas	Dual antennas
Dimensions	52.4x23x8 mm
Weight	Approx. 15 g
Operating Voltage/Current	5 V, 1 A
Operating Temperature	-20° to 55° C (-4° to 131° F)
Storage Temperature	-40° to 70° C (-40° to 158° F)

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免责声明和警告

使用本产品之前，请仔细阅读并遵循本文及大疆™ 创新（DJI™）提供的所有安全指引，否则可能会给您和周围的人带来伤害，损坏本产品或其他周围物品。一旦使用本产品，即视为您已经仔细阅读本文档，理解、认可和接受本文档及本产品所有相关文档的全部条款和内容。您承诺对使用本产品以及可能带来的后果负全部责任。大疆创新（DJI）对于直接或间接使用本产品而造成的损坏、伤害以及任何法律责任不予负责。

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注意事项

1. LTE USB 数据网卡不包含 SIM 卡，请根据本产品的工作频段及当地运营商网络的实际情况自行选择合适的 SIM 卡及流量服务，以获得最佳体验。由此产生的额外费用由用户自行承担。
2. LTE USB 数据网卡仅支持 nano-SIM 卡。
3. 切勿接触工作中的 LTE USB 数据网卡，以免烫伤。
4. 本产品并非玩具，儿童应在成人监护下使用设备。
5. 本产品及其配件所包含的小零件可能会对儿童造成危险，务必将本产品及其配件 放置在儿童接触不到的地方。
6. 切勿将本产品连接至非指定设备，否则将有违反当地法律法规的风险，并可能导致产品损坏。指定设备包括 Windows 系统计算机及兼容的 DJI 设备。具体的 DJI 设备兼容性会在相应的 DJI 设备用户手册、使用说明或其他说明文档中列出。

简介

LTE USB 数据网卡支持多种网络制式及工作频段，配合 nano-SIM 卡使用，可通过移动通信链路实现设备的联网服务和数据传输。

安装

安装 SIM 卡

如图 A 所示，打开数据网卡的 SIM 卡槽保护盖，将 nano-SIM 卡按照图示方向插入卡槽，然后盖上保护盖。



如需取出 SIM 卡，打开保护盖，轻按 SIM 卡使其弹出，然后取出即可。

连接至设备

数据网卡可连接至计算机或其他特定设备。按照不同设备的接口类型，使用特定的连接线连接数据网卡的 USB-C 接口至设备相应接口。

指示灯说明

数据网卡在所连接的设备通电后将自动开启。指示灯指示当前工作状态，详见下表。

指示灯状态	描述
绿灯常亮	4G 信号强
绿灯闪烁	4G 信号弱
蓝灯常亮	2G/3G 信号强
蓝灯闪烁	2G/3G 信号弱
红灯常亮	未识别到 SIM 卡，请确保正确插入未损坏的 SIM 卡
红灯闪烁	已插入 SIM 卡，无网络信号，请检查 SIM 卡相关服务及附近网络信号

规格参数

技术标准	TDD-LTE/FDD-LTE/WCDMA/GSM
工作频段	TDD-LTE: B34/38/39/40/41
	FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20 B25/B26/B28/B66/B71
	WCDMA: B1/B2/B4/B5/B6/B8/B19
	GSM: 850/900/1800/1900 MHz
接口	USB-C 接口，nano-SIM 卡接口，TS-5 天线接口
天线	双天线
尺寸	52.4 × 23.0 × 8.0 mm
重量	约 15 g
工作电压电流	5 V, 1 A
工作环境温度	-20℃ 至 55℃
存储环境温度	-40℃ 至 70℃

Disposal and Recycling Information

The crossed-out wheeled-bin symbol on your product reminds you that all electrical and electronic equipment must be taken to separate waste collection points at the end of their lifecycle. It is the responsibility of the user to dispose of the equipment using a designated collection point or service for separate recycling of waste electrical and electronic equipment (WEEE) according to local laws.

Proper collection and recycling of your equipment helps ensure electrical and electronic equipment waste is recycled in a manner that conserves valuable materials and protects human health and the environment, improper handling, accidental breakage, damage, and/or improper recycling at the end of their lifecycle may be harmful for health and environment.

EU Regulatory Compliance

Compliance with the RE Directive

Hongink Wireless Solutions Co., Ltd. declares that this device IG830 is in compliance with the essential requirements and other relevant provisions of the RE Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <https://www.dji.com/euro-compliance>

RF Exposure Information (SAR)

This device is designed not to exceed the emission limits for exposure to radio waves (radio frequency electromagnetic fields) adopted by ICNIRP guidelines and RE Directive 2014/53/EU. The radio wave exposure guidelines use a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit is 2W/kg. Testing for SAR are conducted using standard operating positions at 5 mm distance with the device transmitting at its highest certified power level in all tested frequency bands. The highest SAR values for this device is 1.53 W/Kg.

Legal information

This device may be operated in all member states of the EU.

Observe national and local regulations where the device is used.

Frequency Bands and Power

The maximum radio-frequency power transmitted in the frequency bands in which the radio equipment operates: The maximum power for all bands is less than the highest limit value specified in the related Harmonized Standard.

GSM 900: 35 dBm

GSM 1800: 32 dBm

UMTS Band 1: 25 dBm

UMTS Band 8: 25 dBm

LTE Band 1/3/7/8/20/28/38/40: 25 dBm



UK Regulatory Compliance

Compliance with the Regulations 2017 (SI 2017/2016)

Honglink Wireless Solutions Co., Ltd. declares that this device IG830 is in compliance with the essential requirements and other relevant provisions of the UK Radio Equipment Regulations 2017(SI2017/2016).

RF Exposure Information (SAR)

This device is designed not to exceed the emission limits for exposure to radio waves (radio frequency electromagnetic fields) adopted by Council Recommendation 1999/519/EC, ICNIRP Guidelines, and U.K. Radio Equipment Regulations 2017 (SI 2017/1206). The radio wave exposure guidelines use a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit is 2W/kg. Testing for SAR are conducted using standard operating positions at 5 mm distance with the device transmitting at its highest certified power level in all tested frequency bands. The highest SAR values for this device is **1.53 W/Kg**.

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LTE Band 1/3/7/8/20/28/38/40: **25 dBm**

FCC Regulatory Compliance

FCC regulations

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.

This device 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 an authorized dealer or service representative for help.

Honglink Wireless Solutions Co., Ltd. is not responsible for any radio or television interference caused by using other than recommended cables and connectors or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate the equipment.

RF Exposure Information (SAR)

This device is designed not to exceed the emission limits for exposure to radio waves (radio frequency electromagnetic fields) adopted by the Federal Communications Commission (FCC)

The radio wave exposure guidelines use a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit is 1.6W/kg. Testing for SAR are conducted using standard operating positions at 5 mm distance with the device transmitting at its highest certified power level in all tested frequency bands. The highest SAR values under the FCC guidelines for this device is **[1.18 W/Kg]**.

IC Radiation Exposure Statement

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Important Note:

Radiation Exposure Statement:

This equipment complies with "Industry Canada RSS-102 for radiation exposure limits set forth for an uncontrolled environment".

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 25cm de distance entre la source de rayonnement et votre corps.

Industry Canada – Emissions compliance statement

This Class B digital apparatus complies with Canadian ICES-003.

Avis de Conformité à la Réglementation d'Industrie Canada. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

전자파흡수율 (SAR : Specific Absorption Rate)

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中国 RoHS

为满足中华人民共和国电子电气产品有害物质限制相关的法律法规和其他要求, 对本产品中有害物质按部件分类, 声明如下:

部件名称	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr ⁶⁺)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
印刷电路板	×	○	○	○	○	○
外观件	×	○	○	○	○	○

本表格依据 SJ/T 11364 的规定编制。

“○”：表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下。

“×”：表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 规定的限量要求。

注：表格中标记“×”的部件，皆因全球技术发展水平限制而无法实现有害物质的替代。



在中华人民共和国境内销售的电子电气产品必须标识此标志, 标志内的数字代表在正常使用状态下的产品的环保使用期限

《废弃电器电子产品回收处理管理条例》说明

当用户不再使用此产品时，不得与生活垃圾一同处理，应遵守国家废弃电器电子产品回收处理相关法律法规，将其交给具有国家认可的回收处理资质的机构进行回收和循环利用。

NCC Compliance Notice

減少電磁波影響，請妥善使用

行動寬頻頻段：LTE Band 1/3/7/8/28/38/41

行動電話業務 (2G) 於 106 年 6 月停止提供服務後，本設備 2G 功能在國內將無法使用

電磁波曝露量 MPE 標準值 $1\text{mW}/\text{cm}^2$ ，送測產品實測值為： $XXX\text{mW}/\text{cm}^2$

Brazil Wireless-Radio Compliance Information

Este produto está homologado pela Anatel de acordo com os procedimentos regulamentados para avaliação da conformidade de produtos para telecomunicações e atende aos requisitos técnicos aplicáveis, incluindo os limites da medida da exposição humana referente a campos elétricos, magnéticos e eletromagnéticos de radiofrequência.

Valores máximos de SAR:

Corpo SAR (10g) Brasil: **0.45 W/Kg**



WE ARE HERE FOR YOU

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获取技术支持

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