

DJI SDR Transmission Transmitter (TX)

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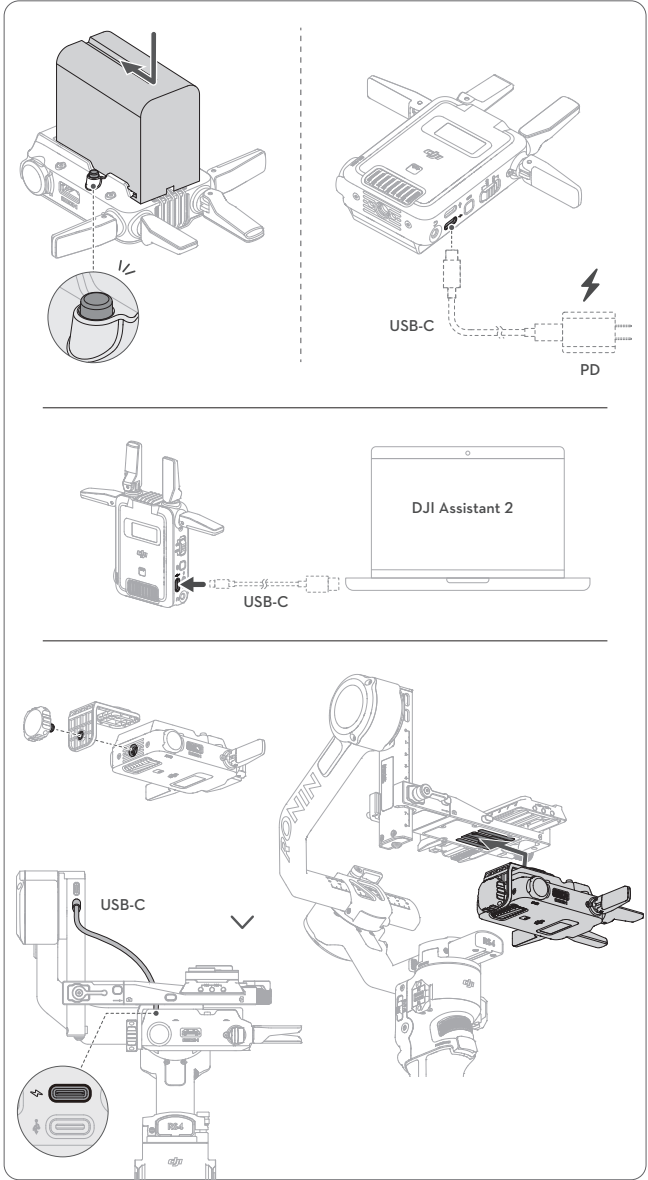
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Download the latest version from
<https://www.dji.com/sdr-transmission/downloads>

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Disclaimer

Carefully read this entire document and all safe and lawful practices provided before use.

Introduction

DJI™ SDR Transmission Transmitter (TX) features DJI SDR video transmission and sends video signals to the receiver. It supports multiple frequency bands, ensuring stable signal transmission in different environments. The transmitter can be used with a receiver, phone, or tablet according to the filming requirements. The combination of one transmitter with multiple receivers can meet the needs of a variety of shooting scenarios.

Power Supply

NP-F Series Battery

Insert the NP-F battery into the battery compartment of the transmitter. Make sure that the battery release button pops up and the battery clicks into place.

- Make sure to use the NP-F battery within the operating temperature range. DO NOT disassemble or pierce a battery in any way or it may leak, catch fire, or explode.

USB-C

A USB-C power cable can be used to connect to the USB-C port of the transmitter to provide uninterruptible power supply.

- It is recommended to use chargers supporting PD protocol.
- When a battery is installed in the transmitter and the USB-C power cable is connected, USB-C power supply is prioritized.

Activation

Activation is required when using the transmitter for the first time. Follow the steps below to activate the device:

- Toggle the power switch of the device to power it on after installing the battery or connecting the USB-C cable.
- Connect the USB-C port of the device to the computer using a USB-A to USB-C cable. Launch DJI Assistant 2 (Ronin Series), click the corresponding device icon, and follow the instructions onscreen to activate the device.
Download the software from:
<https://www.dji.com/sdr-transmission/downloads>
- After activation, if the computer issues a prompt for a new firmware update, it is recommended to update the firmware to experience the latest features. Make sure the transmitter is the same version as the receiver.

Usage

After activating and completing the firmware update, read the DJI SDR Transmission User Guide (<https://www.dji.com/sdr-transmission/downloads>) for detailed instructions including information about linking and the screen interface.

TX Gimbal Mounting Adapter Plate

Use the TX Gimbal Mount Adapter Plate to mount the transmitter to professional 3-axis gimbals such as DJI RS 4 Pro for integrated control and operation. The quick release design of the cold shoe enhances filming efficiency.

Specifications

Operating Frequency ^[1]	SDR 2.4000-2.4835 GHz, 5.725-5.850 GHz, 5.470-5.725 GHz Wi-Fi 2.4000-2.4835 GHz, 5.1500-5.250 GHz
Transmitter Power (EIRP)	SDR 2.4000-2.4835 GHz: <30 dBm (FCC), <20 dBm (SRRC/CE/MIC) 5.470-5.725 GHz: <30 dBm (FCC), <23 dBm (CE/MIC) 5.725-5.850 GHz: <30 dBm (FCC), <14 dBm (CE), <30 dBm (SRRC) Wi-Fi 2.4000-2.4835 GHz: <26 dBm (FCC), <20 dBm (SRRC/CE/MIC) 5.150-5.250 GHz: <26 dBm (FCC), <23 dBm (SRRC/CE/MIC)
Max Bitrate	20 Mbps (SDR), 8 Mbps (Wi-Fi)
Input Video Format	1080p: 23.98/24/25/29.97/30/50/59.94/60 fps 1080i: 50/50.94/60 fps 720p: 50/59.94/60 fps
Max Transmission Distance	SDR: 3 km (FCC), 2 km (CE/SRRC/MIC) (unobstructed, free of interference) Wi-Fi: 200 m
Operating Temperature	-10° to 40° C (14° to 104° F)

^[1] Due to local regulations, the 5.8 GHz frequency is prohibited in some countries. 5.600-5.650 GHz is not used.

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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与本产品相关的所有安全与合规操作指引。

简介

DJI™ SDR 图传发射器采用 DJI SDR 图传技术，向接收端设备发送视频信号，支持多种频段，确保不同环境下信号稳定传输。可根据拍摄需要搭配图传接收器、手机或平板电脑使用，实现一发多收，满足多种拍摄场景需求。

供电

NP-F 系列电池供电

将 NP-F 电池置入图传发射器背面电池插槽，按照图示方向将其推至底部，RELEASE 按键弹起并发出“咔”的一声说明电池已安装稳固。

- 务必在工作环境温度范围内使用电池。禁止以任何方式拆解或用尖锐物体刺破电池，否则将会引起电池着火甚至爆炸。

USB-C 供电

可使用 USB-C 供电线连接至图传发射器的 USB-C 接口，为图传发射器不间断供电。

- 推荐使用支持 PD 协议的充电器。
- 当图传设备安装电池并连接上 USB-C 供电线时，USB-C 供电优先。

激活

全新的图传发射器需要激活后方可使用。激活步骤如下：

- 设备供电后，拨动机身侧面的开关，开启电源。
- 将设备的 USB-C 口通过 USB-A 转 USB-C 线连接至计算机并运行 DJI Assistant 2 (Ronin 系列) 调参软件，登录 DJI 账号，点击设备图标按照提示进行激活。
调参软件下载地址：
<https://www.dji.com/transmission-air/downloads>
- 激活后，若电脑端提示固件更新，建议点击升级，以使用最新版本功能。发射器与接收器需版本一致。

使用

激活并完成固件升级后，可在《DJI SDR 图传使用说明》(<https://www.dji.com/sdr-transmission/downloads>) 查看对频、屏幕操作等详细使用说明。

TX 云台安装转接板

使用 TX 云台安装转接板可将发射器安装至 DJI RS 4 Pro 等专业级三轴云台稳定器上，实现一体化控制和操作。冷靴接口快拆设计便于拆装，可提升拍摄效率。

规格参数

工作频率 ^[1]	SDR 2.4000-2.4835 GHz, 5.725-5.850 GHz, 5.470-5.725 GHz Wi-Fi 2.4000-2.4835 GHz, 5.1500-5.250 GHz
发射功率 (EIRP)	SDR 2.4000-2.4835 GHz: <30 dBm (FCC) , <20 dBm (SRRC/CE/MIC) 5.470-5.725 GHz: <30 dBm (FCC) , <23 dBm (CE/MIC) 5.725-5.850 GHz: <30 dBm (FCC) , <14 dBm (CE) , <30 dBm (SRRC) Wi-Fi 2.4000-2.4835 GHz: <26 dBm (FCC) , <20 dBm (SRRC/CE/MIC) 5.150-5.250 GHz: <26 dBm (FCC) , <23 dBm (SRRC/CE/MIC)
最大编码码率	20 Mbps (SDR), 8 Mbps (Wi-Fi)
视频输入格式	1080p: 23.98/24/25/29.97/30/50/59.94/60 fps 1080i: 50/50.94/60 fps 720p: 50/59.94/60 fps
图传最大距离	SDR: 3 km (FCC) , 2 km (CE/SRRC/ MIC) (无干扰、无遮挡) Wi-Fi: 200 m
工作环境温度	-10 °C 至 40 °C

^[1] 部分地区不支持 5.8 GHz 频段，详情请参考当地法律法规。5.6000-5.650 GHz 频段未使用。

