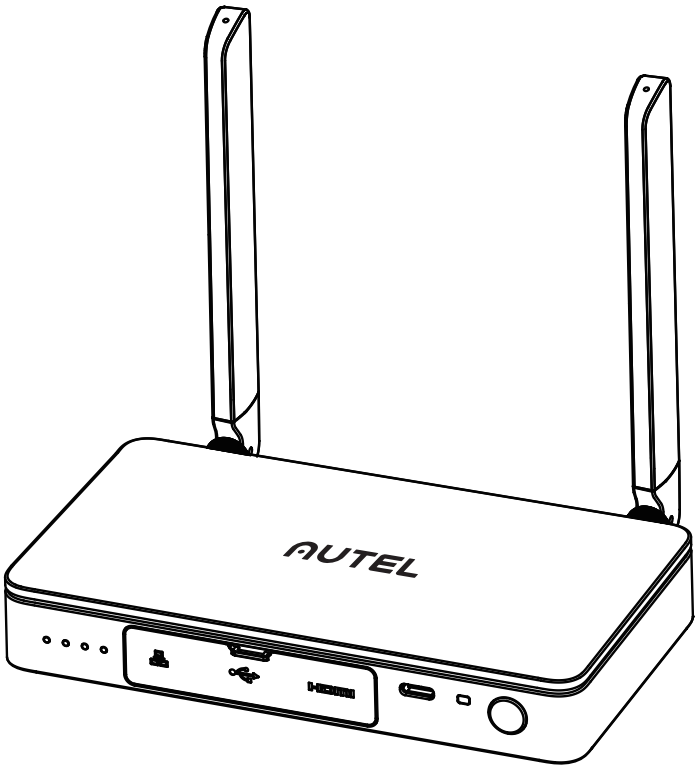
Live Deck 2

User Guide



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Disclaimer

Thank you for purchasing the Live Deck 2 (hereinafter referred to as the “Product”). Read this disclaimer carefully before using this Product. By using this Product, you hereby agree to this disclaimer and signify that you have read it fully. Please use the Product in strict accordance with the manual and be sure to pay attention to the Warnings.

AUTEL ROBOTICS CO., LTD. (hereinafter referred to as "AUTEL ROBOTICS") assumes no liability for damage(s) or injuries incurred directly or indirectly from improper use of this Product. Misuse includes, but is not limited to, short-circuiting, overheating, introducing foreign materials into the Product.

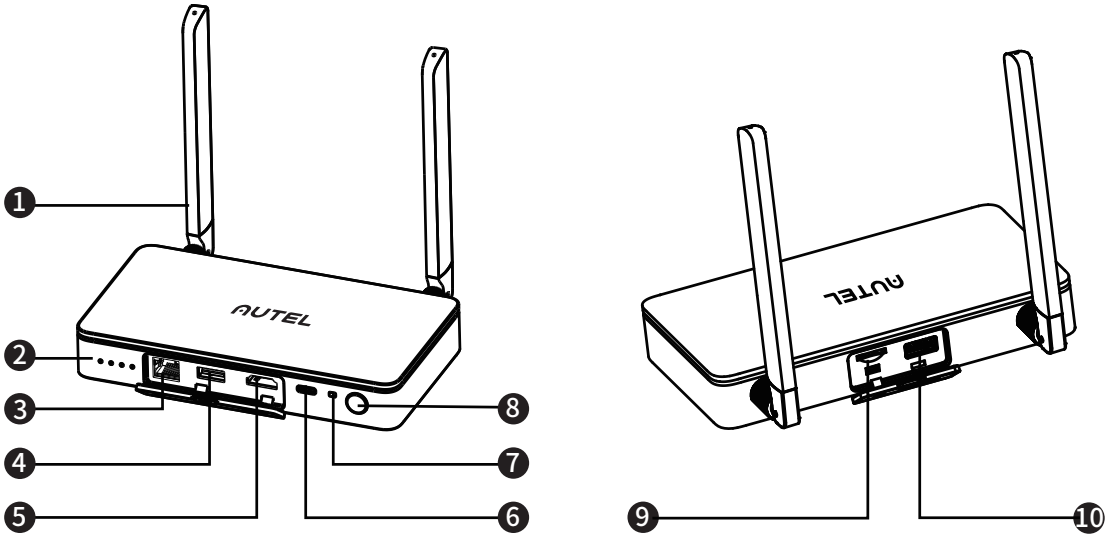
Product Info

1. Introduction

The Live Deck 2 supports a wireless connection with UAV and a real-time image transmission within 12km under barrier-free conditions. The image transmission system and the remote control system work on the bands of 2.4GHz/5.8GHz/900MHz, and can play 1080P 60fps HD video in real time through HDMI port.

* 900MHz is only supported in FCC certified countries.

2. Component



① Antenna	Communicate with the aircraft via a 2.4GHz/5.8GHz/900MHz (adaptive aircraft band) RF signal
② LED battery level indicators	4 LED battery level indicators
③ Ethernet port	Supports 100M Ethernet. Supports real-time video watching, uploading and online live broadcasting on PC APP (need to download corresponding application)
④ USB Type A 1	Connects to mobile devices, supports real-time video watching on mobile APP (iOS and Android)
⑤ HDMI port	Connects to a monitor that supports HDMI and outputs HD video up to 1080P 60fps
⑥ Type-C port	Charging port.

⑦ Pairing button/indicator	Short press on the button and start pairing. After pairing with the aircraft successfully, the indicator frequency is the same as the indicator flashing frequency on the aircraft
⑧ Power button	Press and hold the power button for 2s to turn on/off the Live Deck
⑨ TF card port	Upgrade the Live Deck 2 through TF card
⑩ USB Type A 2	Supports 4G/5G module * This feature will be implemented in a future firmware release.

3. LED Indicator Description

3.1 Battery Level Indicator

Battery Level Indicator	Current Power level
	87.5%~100%
	75%~87.5%
	62.5%~75%
	50%~62.5%
	37.5%~50%
	25%~37.5%
	12.5%~25%
	0%~12.5%
	0%
Solid Green  Flashing Green  Light Off	

3.2 Power Button Indicators

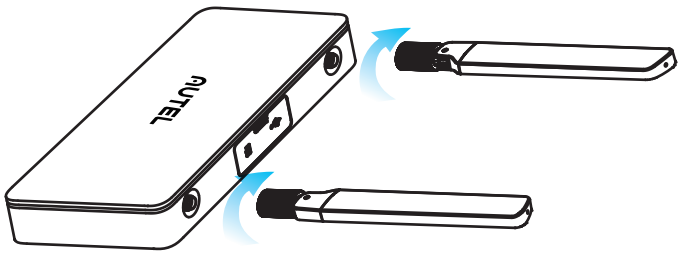
Power On: When power off, press and hold the power button for 2 seconds to turn on the power.

Power Off: When power on, press and hold the power button for at least 2 seconds to turn off the power.

4. Setting Up the Live Deck

4.1 Attach the Antennas

Attach the 2 antennas to the module and tighten the antennas.



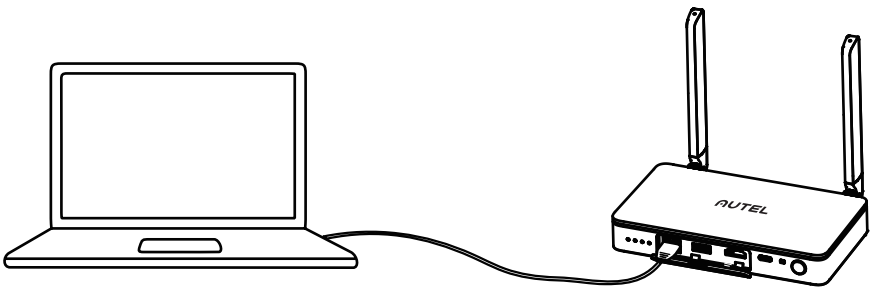
4.2 Connect to a Display Device

HDMI, USB Type A, and Ethernet port can output display information. Please select one or several ports to connect to your devices accordingly.

1) Using HDMI: connect the HDMI cable to a monitor that can support HDMI or DVI format. The video resolution can be up to 1080P60.

2) Using USB Type A: connect the data cable to a mobile device (smartphone or tablet). Open App to display HD video and flight control OSD information.

3) Using Ethernet port: connect the cable to a computer. Please download and install a player that supports RTSP protocol network video streaming to display HD video and flight control OSD information.



⚠ Note

The Live Deck 2 supports connecting the HDMI, Ethernet port and USB port to Android devices at the same time. When the USB port is connected to an iOS devices, the HDMI and Ethernet port will not display image.

5. Product Specifications

Weight (battery included)	424.5g
Dimensions	152*111*23.2mm (antennas folded) 223.9*152*23.3mm (antennas unfolded)
Ingress Protection	IP43
RF Receiver Operating Frequency	902~928MHz (FCC); 2.4GHz~2.4835GHz; 5.725 GHz~5.850GHz (Non-Japan); 5.650-5.755GHz (Japan)
Transmission Power (EIRP)	900MHz: FCC<=33dBm 2.4GHz: FCC/NCC<=33dBm; CE/MIC/SRRC/KC<=20dBm 5.8GHz/5.7GHz: FCC/SRRC/ NCC<=33dBm;KC<=20dBm;CE<=14dBm
Max Video Transmission Distance	12km
Max Operating Time	5h
Operating Current/Voltage	1.3A/3.85V (not connected to smartphone)
Battery Type	Li-Po
Battery Capacity	6200mAh
Power Consumption	5W
Operating Temperature	14°F~104°F (-10°C~40°C)
Operating Humidity	95%RH
HDMI	1080p@60 fps
Ethernet	100M
Supported Model	EVO II Pro V3 / EVO II Dual 640T V3 EVO II RTK Series V3/ EVO II Enterprise V3

FCC and ISED Canada Compliance

This device complies with part 15 of the FCC Rules and ISED Canada licence-exempt RSS standards. 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.

Le présent appareil est conforme aux CNR d'ISED 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'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

⚠ Note

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:

1) Reorient or relocate the receiving antenna.

2) Increase the separation between the equipment and receiver.

3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

4) Consult the dealer or an experienced radio/TV technician for help.

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

RF Exposure Information

This equipment complies with RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be operated with minimum distance 20cm between the radiator and your body.

EU/UK Compliance

Autel Robotics Co., Ltd. hereby declares that this wireless device is in compliance with Directive 2014/53/EU and Radio Equipment Regulations 2017.

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