EVO

Intelligent Live Deck

User Guide V1.0

2019.02

**Disclaimer**

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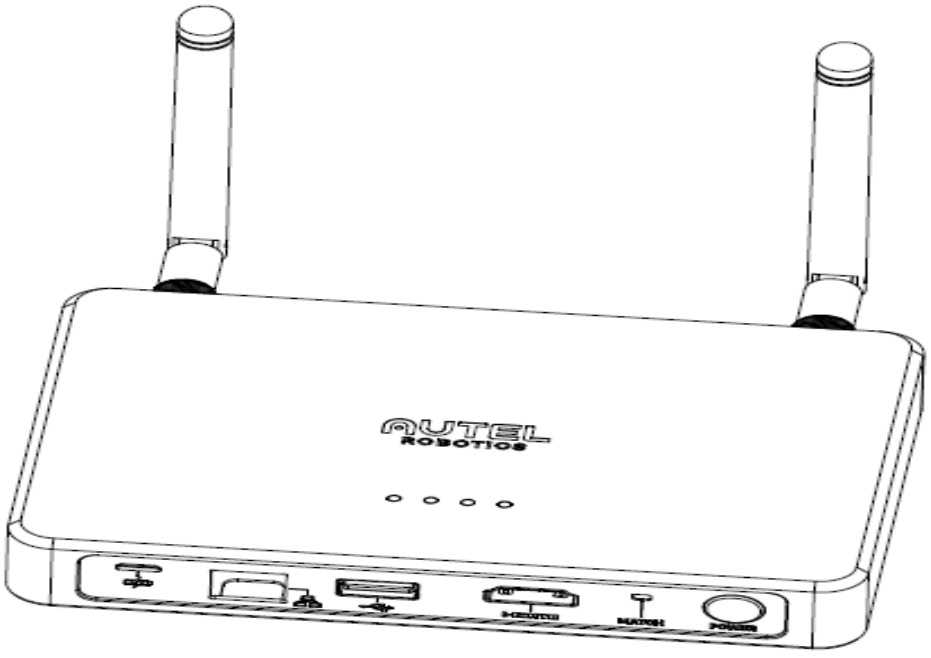
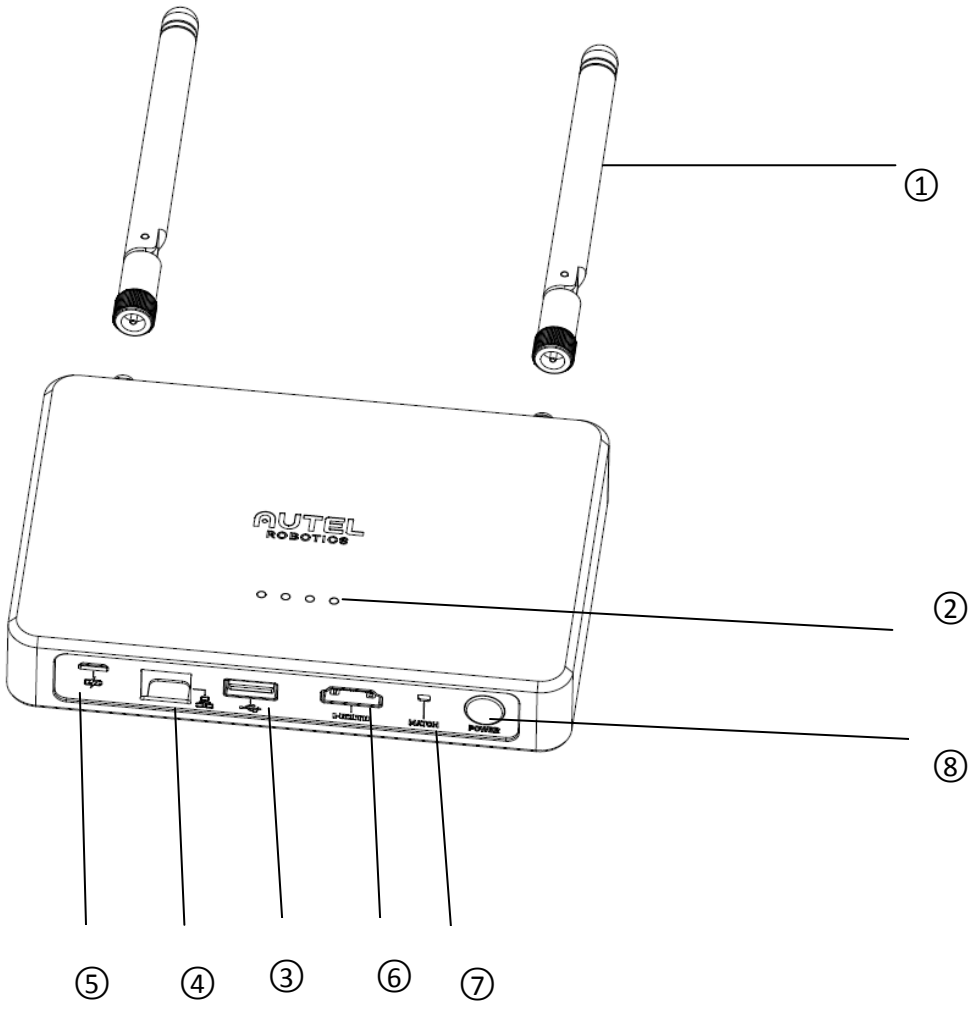
**PRODUCT INFO**

## 1. Introduction

Under normal conditions, the barrier-free flight distance of EVO™ is as far as 7km. The Intelligent Live Deck supports real-time image transmission within this distance. The image transmission system and the remote control system work on the 2.4GHz band, and can play 1080P60 HD video in real time through HDMI.

## 2. Specifications

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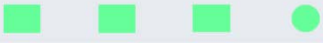
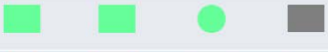
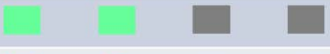
| | |
|---|---|
| ①Antenna | Communicate with the aircraft via a 2.4 GHz (adaptive aircraft band) RF signal |
| ②LED battery level indicators | 4 LED battery level indicators |
| ③USB charging interface | USB Micro B charging interface, supports some fast charging protocols |
| ④Ethernet port | Supports 10M/100M Ethernet. Supports real-time video watching, uploading and online live broadcasting on PC APP (need to download corresponding application) |
| ⑤USB Type A | Connects to mobile devices, supports real-time video watching on mobile APP (iOS and Android) |
| ⑥HDMI Type A interface | Connects to a monitor that supports HDMI and outputs HD video up to 1080P60 |
| ⑦ Counter frequency button/indicator | After pairing with the aircraft successfully, the indicator frequency is the same as the indicator flashing frequency on the aircraft |
| ⑧Power button | Press and hold the power button for 2s to turn on/off the Live Deck |

## 3. LED Indicator Description

### 3.1 Battery Level Indicators

| 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% |

3.2 Power Button Indicators

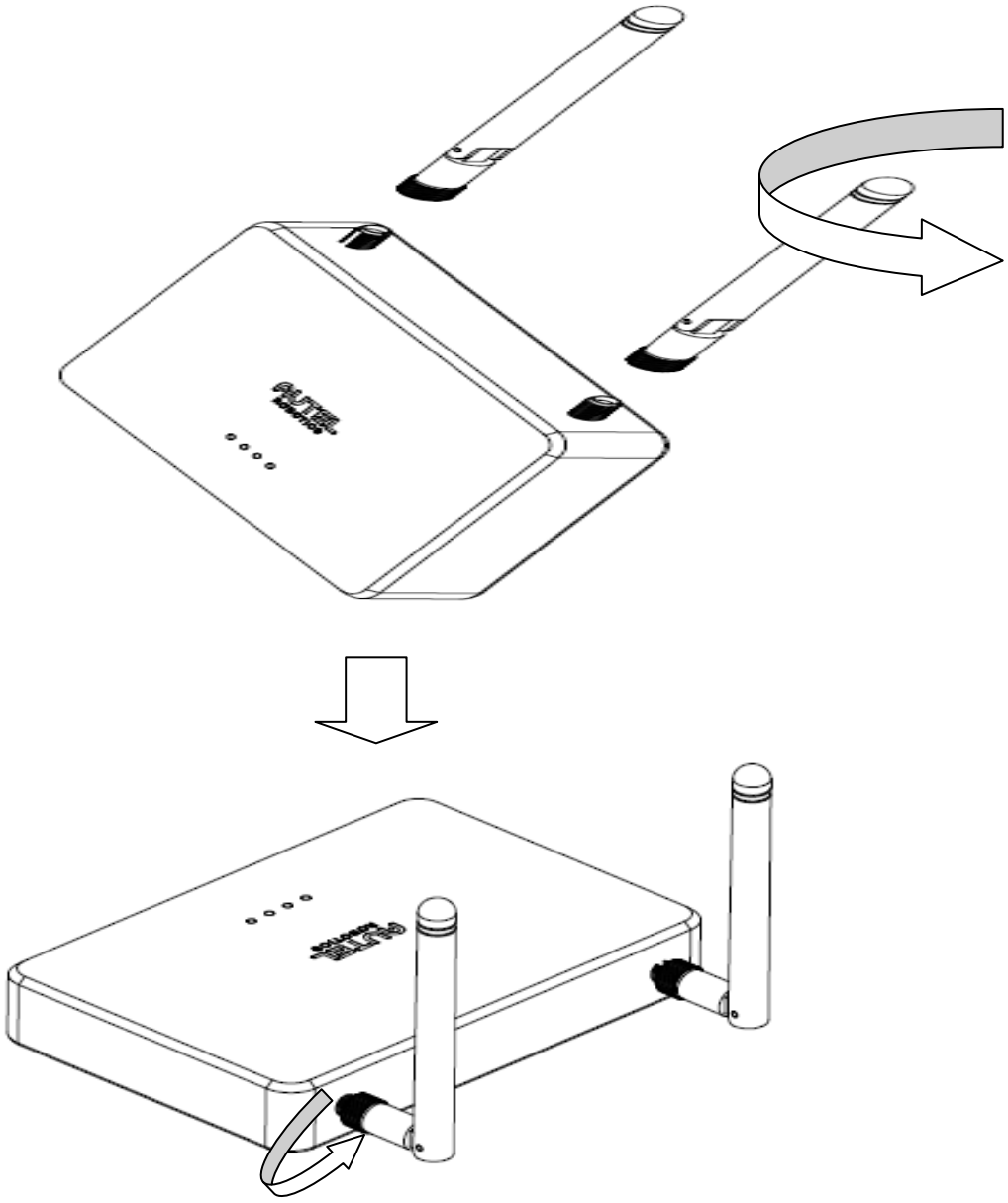
Power On: When power off, press and hold the power button for 2 seconds to turn on the power.

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 as shown in figure x.



4.2 Connect to a Display Device

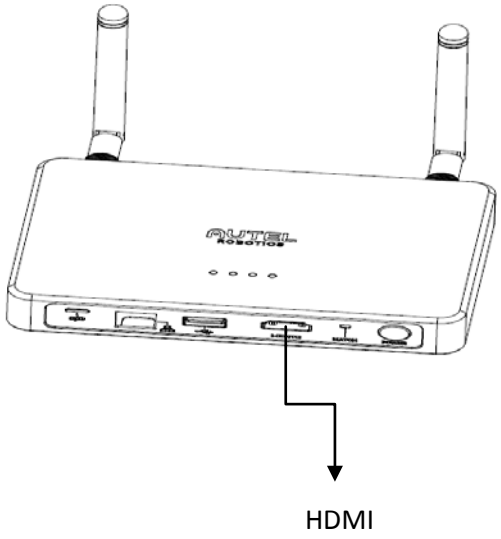
HDMI, USB Type A, and Ethernet port can output display information. Please select one or several ports to connect to your devices accordingly.

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). Please download and install XXX software to display HD video and flight control OSD information.

3) Using Ethernet port: connect the cable to a computer. Please download and install XXX software to display HD video and flight control OSD information (support soon).

The following figure shows the HDMI interface as an example:



⚠ Warning: the Live Deck 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.

**Product Specifications**

| | |
|---|---|
| Max Operating Time | 4h |
| RF Receiver Operating Frequency | 2.4GHz~2.4835GHz |
| Operating Temperature | 14℉~104℉ (0℃~40℃) |
| Storage Temperature | 1 year: -20℃~25℃(-4℉~104℉)<br>3 months: -20℃~45℃(-4℉~114℉) |
| Max Control and Video Transmission Distance | 7km |
| Transmission Power(EIRP) | FCC: <26dBm<br>CE: <20dBm |
| Operating Current/Voltage | 1.2A/3.7V (not connected to smartphone) |
| Battery | 5000mAh |
| Power Consumption | 4.5W |
| Weight(battery included) | 315±5g |
| HDMI 1.4 | 1080p@60 fps |
| Ethernet | 10M/100M |

FCC COMPLIANCE STATEMENT:
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. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
The distance between user and products should be no less than 20cm

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 correct the interference by one or more of the following measures:

- Reorient the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into and outlet on a circuit different from that to which the receiver is connected.

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