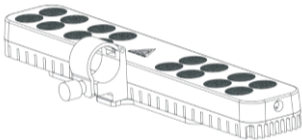


# ML150-M300 Matrix Light Set

User Manual **V1.2**

2022.04.22



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## I、 Introduction of ML150-M300

The ML150-M300 tethering kit is powered by a tethering module that provides long-lasting illumination. It is suitable for use in inspection, criminal pursuit, prison guarding, search and rescue inspection, power repair, farm care, night rescue, ship and sea lighting, etc.

## II、 Disclaimers and Warnings

Thank you for purchasing our products. The content mentioned in this article is related to your safety, legal right and responsibilities. Before using this product, please read this article carefully to ensure that the product has been set up correctly. Ignoring the instructions and warnings in this article to operate may cause harm to you and your friends, may also damage the product. The right to interpret this document and all related documents shall remain with us. All updates are subject to change without prior notice. Please visit [www.gzczzn.com](http://www.gzczzn.com) for the latest product information.

## Cautions

The ML150-M300 belongs to the precision equipment. In case of hardware problems, please contact the factory after-sales service, do not disassemble their own maintenance, otherwise will lose the warranty, maintenance qualification.

## Notes

When the drone is not taking off, the ML150-M300 can only be turned on briefly, otherwise, the equipment will be burned out due to the heat of the light board.

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### III、ML150-M300 Tech Specs

Model	ML150-M300
Size	L225*W38.5*H21mm
Weight	200±5g
Luminous angle	30°
Single rated power	150W
Operating temperature	-20°C~+60°C
Input supply voltage	DC 48V
Luminous flux	16000lm
Protection level	IP55

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#### IV, ML150- M300 Installation Instruction

Note: The drone should be off when the ML150-M300 is installed and can only be turned on after installation.

1. Unscrew the hand screw of the matrix set and install the four matrix lights on the M300's pedestal as shown in the picture:



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2. Take out the ML150-M300 one-in-four cable and plug it into the power supply port at the drone end of the tethered module, as shown:



3. The longer end of a quarter wire goes around the front of the stand



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4. Connect the light ports to the power supply port of the one-point-four wire and tighten it:



5. Unfold a copy of the magic tape on the four wires, and use the tape to tie the wire tightly to the M300 tripod



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6. The overall effect of the installation is shown as follows:





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## V、 How to use ML150-M300

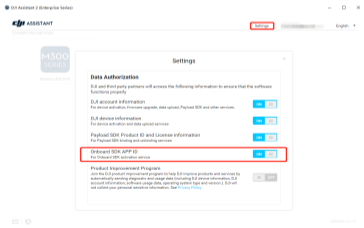
- 1.Plug the communication cable from the drone end of the tethered module into the OSDK interface of the M300



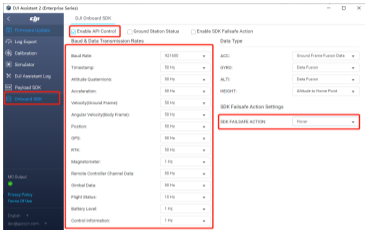
2. Turn on the drone (ML150 lights will flash once when the drone is turned on)
3. Activate the M300 RTK OSDK function (this operation is not required for drones with this function already activated) Step 1: First, use this link (<https://www.dji.com/cn/matrice-300/downloads>) to download newest **DJI Assistant 2 For Matrice** parameter tuning software as shown below. Note, do not use DJI Assistant 2,DJI Assistant 2 does not support M300 RTK parameter tuning.



## Step 2: Enable Onboard SDK APP ID service in DJI Assistant 2 For Matrice parameter tuning software, as shown below



Step 3: Enable the OSDK API control in the DJI Assistant 2 For Matrice tuning software as shown below.



Step 4: Turn off DJI Assistant 2 after setting parameters and restart the drone twice. After waiting for five seconds for power on, if the control box status light shows blue light blinking once a second, it means the OSDK function is opened. Note: After each upgrade or downgrade operation, you have to turn on the OSDK function again to use the ML150-M300 Matrix light.

#### 4. Control the light switch on the remote control flight interface.

When the OSDK function is activated, the "PSDK" icon appears on the right side of the flight interface when the communication line of the sky end of the tethered module is inserted into the OSDK interface of the M300, as shown in the figure below



Click on the "PSDK" icon to bring up the "TK300" control tab, as shown below



Click on the first button of the “TK300” control tab to open the lighting status bar as shown below:



Click the second button on the “TK300” control tab to turn on the lights. Click again to turn off the lights.



To learn about ML150-M300 firmware updates or to download the latest version of the firmware, please visit the CZZN website: [www.gzczzn.com](http://www.gzczzn.com).

If ML150-M300 cannot work properly due to the firmware update of Drone, please contact the local agent or manufacturer in time.

ChengZhi Technical Support  
[www.gzczzn.com](http://www.gzczzn.com)

If you have any questions or suggestions about the instruction manual, please contact us via the following email: [service@gzczzn.com](mailto:service@gzczzn.com)

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