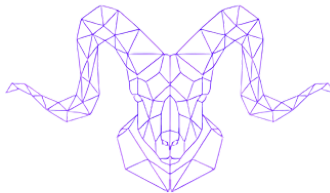
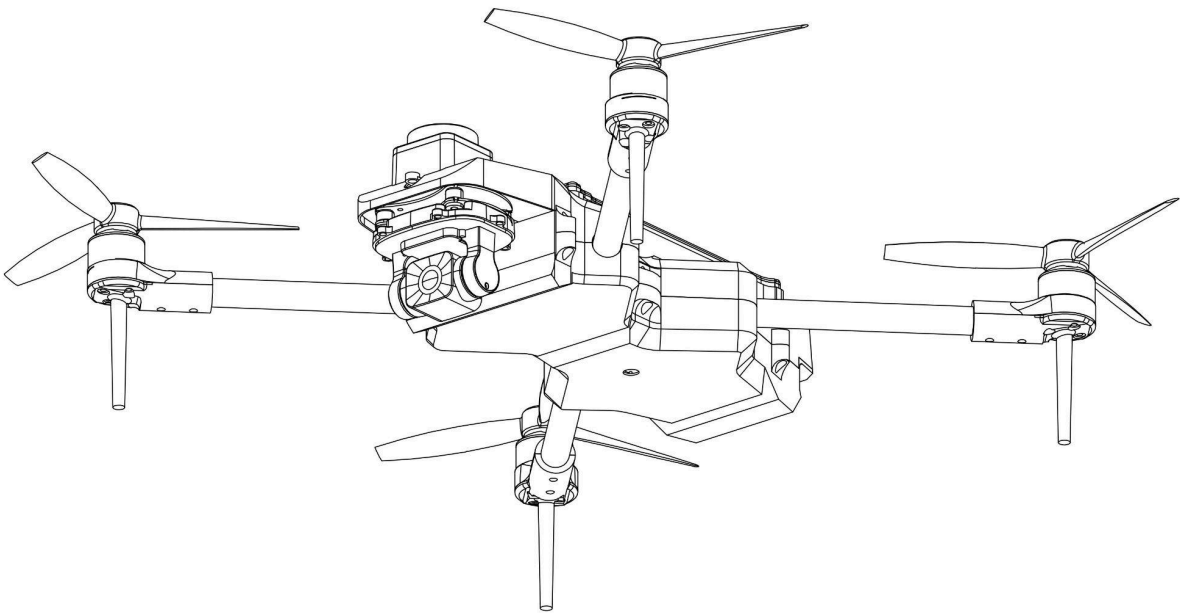


Suparna Battery Charger Manual

v1.0 May 16, 2024



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SOLUTIONS



Searching for Keywords

Search for keywords such as “battery” and “install” to find a topic. Press Ctrl+F on Windows or Command+F on Mac to begin a search.



Printing this Document

This document supports high resolution printing.

Revision Notes

v1.0	16-May-2024	Initial Version
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Using this Manual

Legend



Warning



Important



Hints and Tips



Reference

Read Before the First Flight

Read the following documents before using the **Suparna**:

1. Disclaimer and Safety Guidelines
2. Quick Start Guide
3. User Manual

! It is recommended to watch all tutorial videos on the official Menthosa website and read the disclaimer and safety guidelines before using for the first time. Prepare for your first flight by reviewing the quick start guide and refer to this user manual for more information



The operating temperature of this product is 0° to 40° C. It does not meet the standard operating temperature for military grade application (-55° to 125° C), which is required to endure greater environmental variability. Operate the product appropriately and only for applications that meet the operating temperature range requirements of that grade.

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Battery Chargers

This section tells you about the types of battery chargers of Suparna.

Battery Chargers

Suparna has 3 types of chargers supplied with the drone. The configuration of each is explained in the following sections.

The Battery type of the drone is Li-ion. It is a 4 cell (4S) battery having a capacity of 4500 mAh. The maximum voltage of the battery is 16.8 Volts with the nominal voltage of 14.8 Volts and minimum voltage is 10.5 Volts.

! If the battery voltage is below 10.5V or above 16.8 V. Please do not use it and contact us.

● Please do not leave the battery unattended. Always monitor the battery while charging.

SkyRC S65 Charger

The charger comes with a 2 pin plug which goes into the electricity outlet and the other end goes behind the charger.

1. Place the charger on a level surface and once powered on, connect the adapter to the front of the charger. There are 2 kinds of wires coming out of the adapter -
 - a. The one with the yellow connector is the main connection which goes into the XT60 connector of the charger.
 - b. The 2nd connector which has 5 small wires in it will go into the balance connector of the charger.

In the end the connection should look like as in the below picture -



- After powering ON the charger, the screen should display the following information. It says that the battery type is Li-ion which is 4S, the charging mode is Balance and the current is 4.0 Amps. A picture of the charger information -



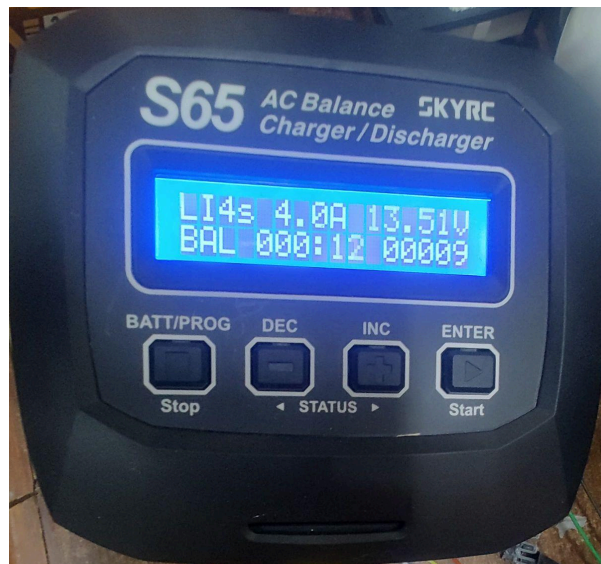
- Now, connect the battery to the adapter. The method of inserting the battery into it is the same as in the drone. It should look like this -



4. After this long press the Enter/Start button. A beep will be heard and info of cells will be shown. It should be as in the picture -



5. If there is no error, press enter to confirm and the Charging will start. This is shown as in the image below -



6. After the charging is finished the charger will beep and will show a finished status. Turn off the charger and remove the battery.

PD60 Charger

This charger is powered by a 65 watt Type-C to Type-C wall adapter. As shown in the image



1. Connect this wall adapter to the power inlet and now connect the other end of Type-C cable to the PD60 charger. Once this is done, connect the battery adapter onto the other end of it. This is the same as mentioned in the SkyRC charger, below is the image showing the same.



2. Once powered ON there are 2 buttons on the charger. The left one is the **Select**

button, long press it to switch the type of Battery chemistry, since there is no Li-ion option. Use the **LiPo** option. Short press of the same button switches the **Charge Current** of the charger. Use the **3A** option. The charger should indicate these as shown in the above picture

3. Now once all of the above steps are done insert the battery into the adapter as mentioned in the SkyRC charger section. The Battery charge percentage bars should light up indicating the battery's charge percentage. This is shown in image below -



4. To start charging the battery, press the button present on the right side of the charger, it has a play/pause symbol on it. Once it is pressed if no error occurred the charge symbol will light up on the charger and battery will start charging. This has been shown in image -



5. If there is any error the warning symbol will light up on the charger.
6. After the charging is complete, the Check symbol will light up which has green color and the bars of 100% will also light up, indicating charging is done. Please power off the charger and remove the battery.

This has been shown in the image -



iDronam WiFi Charger

This section will be updated soon.

Contact Us

Feel Free to Contact Us

Contact Us

Contact

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Sales Support : Mail us at sales@idronam.com

! This content is subject to change.

If you have any questions about this document, please contact Menthosa Solutions by sending a message to director@menthosa.com OR sales@idronam.com

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