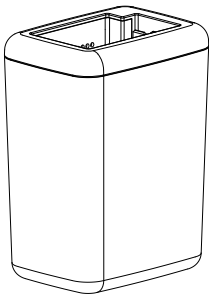


PHANTOM 3

Intelligent Flight Battery Heater

User Manual V1.0

2016.02



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This device complies with Part 15 of the FCC Rules.

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Profile

The Phantom 3 Intelligent Battery Heater is used to preheat the aircraft battery in air temperatures between -4° and 41° F (-20° and 5° C). It uses the battery's power to raise the battery temperature to the optimal operating range: 41° to 95° F (5° to 35° C). Using the battery heater ensures the safety and performance of your aircraft.

Usage

1. Place a fully charged, powered off battery into the battery heater.
2. Power on the battery and allow it to warm for 5-10 minutes (time will vary depending on temperature). Be sure to monitor the battery at all times.
3. Power off the battery while it is still in the battery heater and leave an additional 3 minutes to ensure even heating.

1.



Insert the battery

2.



Power on for 5-10 minutes

3.



Leave for 3 minutes



- Around 3% to 7% of battery power will be used for heating.
- A 3-stage overheat protection mechanism prevents the battery from overheating. The battery heater will automatically deactivate at temperatures exceeding 95°F (35°C), with additional failsafe barriers at 122° and 208° F (50° and 98° C).
- Once the desired temperature is reached, power off the battery to avoid draining it. Use immediately after removing it from the battery heater.

Specifications

Intended Battery	PH3-4480mAh-15.2V
Operating Air Temperature	-20° to 5° C
Cutoff Temperature	35±5 °C
Power Rating	<30 W
Input Voltage	12-17.4 VDC
Input Current	<1.72 A
Dimensions	61 × 83 × 113 mm