

# HOVERAir

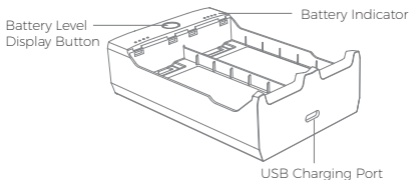
X1 PRO | PRO MAX

**Charging Hub User Manual**

**ZEROZERO**  
ROBOTICS



PA46H021



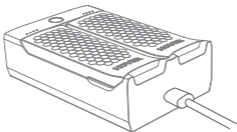
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## Using the Charging Hub

The Charging Hub requires an adapter for charging. Please follow the illustrated connection method for charging. It is recommended to use the official HOVERAir adapter and charging cable. Using an adapter or charging cable other than the recommended one may result in slow charging, inability to charge, and potential safety hazards.

Specific operating instructions:

1. Insert the batteries to be charged into the respective battery compartments.
2. Connect the charging cables to the battery compartments and the external power source.
3. Begin charging. Check the indicator lights to verify if the charging is proceeding normally.
4. End charging. Disconnect the external power source and remove the batteries.



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## Charging Logic Explanation

The Charging Hub prioritizes charging batteries with higher remaining capacity. For example, if Battery A has one bar of remaining charge and Battery B has three bars, Battery B will be charged first.

The Charging Hub has two charging modes based on the charging rates:

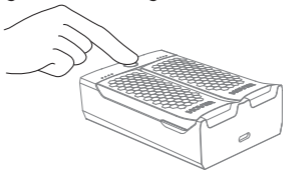
When sufficient charging power is available (using the official adapter), dual battery charging is supported.

When the power output is insufficient (which may occur with third-party adapters), or if one battery is temporarily unable to charge due to temperature or other reasons, the Charging Hub will alternate between the two batteries. This means it will start charging the second battery only after the first battery is fully charged.

Note: Using third-party chargers may result in decreased charging speed or even failure to charge due to insufficient charging current. It is recommended to use the official charger for charging.

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## Charging Hub Indicator Light Instructions



Action	LED Indicator Lights	Explanation
Press the button to display the current power level		Displays the current power level for 3 seconds
Battery fully charged	☀️☀️☀️☀️	4 lights stay on
The battery is fully charged and has exceeded 30 minutes	●●●●	4 lights turn off
Battery is abnormal: please wait for the battery to recover on its own	☹️☹️☹️☹️	Battery temperature too high/too low; please wait for the battery to recover on its own
Battery malfunction	●☹️☹️●	Battery has a fault; please replace the battery
Charging Hub malfunction	☹️●●☹️	Charging Hub has a fault; please replace the Charging Hub

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## Product Specifications

Input: 5V= 3A; 9V =3A; 12V= 3A; 15V= 3A; 20V= 3.25A

Operating Temperature: 5°C - 40°C. It is recommended to charge at an ambient temperature of 25°C to extend battery life and optimize charging speed.

At an ambient temperature of 25°C, using the official adapter and charging cable, the fastest single-channel charging time will be within 45 minutes.

It is recommended to use the official adapter and charging cable for optimal charging speed. If the battery temperature is below 5°C or above 40°C, the charging speed may slow down significantly or even stop to protect the battery. In such cases, place the battery in a suitable temperature environment before charging.

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## Usage Precautions

When charging HOVERAir X1 PRO/HOVERAir X1 PROMAX batteries with the Charging Hub, it is recommended to use the official HOVERAir adapter and data cables. Using an adapter or data cable other than the recommended one may result in slow charging, inability to charge, and potential safety hazards.

During use, please place the Charging Hub steadily, keep it dry, ensure insulation and fire prevention, and use it in a well-ventilated environment.

3. Do not touch the metal terminals with your hands or other conductors.

4. If the metal terminals are contaminated with liquid, wipe them clean with a dry cloth when not powered.

5. It is strictly prohibited to disassemble, pierce, impact, crush, short circuit, burn, or otherwise alter the Charging Hub.

6. Do not use the Charging Hub if it gets wet.

During charging, the Charging Hub may become slightly warm, which is normal. If the battery temperature is elevated, the Charging Hub will wait for the battery to cool down before initiating charging.

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## Disclaimer

Before using the HOVERAir X1 PRO/HOVERAir X1 PROMAX Charging Hub (hereinafter referred to as "Charging Hub") for charging and using the battery, please read this "HOVERAir X1 PRO/HOVERAir X1 PROMAX Charging Hub User Manual" carefully and follow the instructions in the manual strictly.

Statement: Shenzhen Zero Zero Infinity Technology Co., Ltd. (hereinafter referred to as "Zero Zero Technology") is not responsible for any accidents caused by using the Charging Manager to charge the battery under conditions not specified in this manual.

Model: ZZ-H-4-003

■ Input: 5V ≡ 3A; 9V ≡ 3A; 12V ≡ 3A; 15V ≡ 3A; 20V ≡ 3.25A

Product Name : \_\_\_\_\_ User Name: \_\_\_\_\_

Product S/N : \_\_\_\_\_ Phone Number: \_\_\_\_\_

Dealer : \_\_\_\_\_ Date of Purchase : \_\_\_\_\_

Contact Address : \_\_\_\_\_

### Warranty Service Request

Components	Warranty Period	Service Method
Main Board	12 Months	Customer Mail-In
Cosmetic Parts	No Warranty	Customer Mail-In

The warranty period for this product begins on the day you receive the goods. If you cannot provide valid proof of purchase, the warranty start date will be 90 days after the manufacturing date shown on the device, or as otherwise specified by Zero Zero Technology. If the last day of the warranty period falls on a statutory holiday, the warranty will extend to the following day. Within the above warranty period, if Shenzhen Zero Zero Infinity Technology Co., Ltd. ("we" or "Zero Zero Technology") confirms that performance issues are due to quality problems of the aforementioned components, users can receive free repairs. For issues occurring outside the warranty period or not due to component quality problems, users may request paid repair services. Zero Zero Technology is only responsible for the shipping costs to return the product to the user's specified location after free repairs.

### The warranty does not cover the following situations:

1. If the product is damaged due to improper use by the customer, such as malfunction or damage caused by transportation, loading and unloading after the product is purchased.
2. If the product has been modified, repaired, disassembled, or any product parts replaced with non-company parts.
3. Accidental or indirect damage occurs, or there is obvious man-made damage (such as liquid penetration, drop damage, improper voltage input, fall marks, host board damage, etc.).
4. Any malfunction or product damage caused by failure to comply with the product instruction manual, incorrect installation, neglect, modification, disassembly, etc.
5. If the proof of purchase or shipping receipt is lost, forged or tampered with.

6. If product labels, product serial numbers, waterproof markings, etc. are found to be damaged, fake or tampered with.
7. If the product is defective or damaged due to uncontrollable external factors, such as fire, flood, strong wind, lightning, etc.
8. If the product does not have any manufacturing and quality defects, problems, etc.

## **User Agreement**

### **1.Ownership of Repair Parts**

During the repair process, including paid repairs, any product components replaced will be reclaimed and retained by Zero Zero Technology.

### **2.Paid Repair Fees**

For products that are beyond the warranty period or outside the scope of free repair services, ZeroTech will strictly adhere to the "HOVERAir X1 Paid Service Fee Standard. Please be prepared to pay the corresponding fees for services that fall within the paid service scope. If you refuse to pay, Zero Zero Technology reserves the right to temporarily suspend services until the fees are settled. Any consequences resulting from this will be your responsibility.