

# Battery Charger - ZN224E

## User Manual

### 1. General Information

#### **Product description:**

Thanks for using this product. This product is a Ni-Mh/Ni-Cd battery charger with LED display charging status.

#### **Technical specifications:**

Input: DC 5V/1A, Micro USB

Output: DC1.4V/500MA\*2  $\pm$  20%

**Product name:** 2-slot Ni-MH /Ni-Cd smart charger

**Model No.:** ZN224E

**Product Size:** 85.5mm  $\times$  35.8mm  $\times$  27mm (L/W/H)

**Weight:** 45g

**Appearance:** There are no scratches, burs, stains or cracks on the outer shell of this product, and no rust on the hardware.

#### **Usage Instructions:**

Plug one end of the USB cable into the mobile phone charger, and the other end into the Micro USB socket of this charger, then it starts to work. The corresponding LED light of the charger stays on red status during the charging process, and turns to green when fully charged.

#### **Features:**

1. This charger can hold 2 pcs of AA or AAA 1.2V Ni-MH / Ni-Cd batteries at the same time.
2. The corresponding LED light of this charger is always red during charging, and turns to green when fully charged.
3. Negative  $\Delta V$  control, Max 12 hr charge time (overcharge overcharge)
4. 0  $\Delta V$  control
5. Maximum voltage 1.6V control (over voltage protection)
6. Short-circuit, reverse polarity, non-rechargeable battery detection

### **Manufacturer Details**

- Manufacturer: Shenzhen Viwipow Electronics Co., Ltd.
- Address: 5/F., No. 6, Huanguan South Road, Junzibu Community, Guanlan Street, Longhua District, Shenzhen, Guangdong. China
- Contact: Email: sales06@viwipow.com

**Compliance Marks-** CE Mark: This product complies with EU safety, health, and environmental requirements under the following directives:

- EMC Directive 2014/30/EU (Electromagnetic Compatibility)
- LVD Directive 2014/35/EU (Low Voltage Directive)
- RoHS Directive 2011/65/EU (Restriction of Hazardous Substances)

### *2. Safety Instructions*

## **Warnings & Notice**

### **Warning:**

- This product is limited to charging 1.2V rechargeable NiMH/NiCd batteries. Charging other batteries may cause explosion, battery rupture or leakage, personal injury or property damage.
- Improper use of the charger may cause electric shock.
- This charger should be used for indoor charging, do not expose it to rain or snow.
- Do not disassemble or assemble the charger.

### **Notice:**

- Do not drop the charger or place heavy objects on it.
- If children use this charger, they should be under adult supervision.
- This charger must be used within the ambient temperature range of 0°C--35°C.

## **Electrical Safety Precautions**

- Use the provided cable; replace damaged cables immediately.
- Avoid connecting multiple devices simultaneously to prevent overload and fire hazards.

## **Installation & Disposal**

- Ensure a secure connection between the plug and socket to prevent

overheating from poor contact.

- Dispose of the charger according to local e-waste regulations (see Section 6).

### **Compliance Standards**

- Certified to EN 62368-1 (Safety Standards for Audio/Video and IT Equipment).

### *3. Troubleshooting Guide*

Issue	Solution
Charger not working	Check outlet power or replace cable
Charger overheating	Stop use and cool to room temperature
Continuous red LED flashing	Replace adapter

### *4. Maintenance & Disposal*

#### **Cleaning Recommendations**

- Wipe the surface with a dry cloth; do not use chemicals.

#### **Eco-Friendly Disposal**

- Follow WEEE Directive 2012/19/EU; dispose of the charger at designated recycling points.

-Recycling Symbol:



## *5. Legal & Compliance Statements*

### **Compliance Declaration**

This product meets all applicable EU regulations. Full certification documents are available on the website.

### **Warranty**

- Warranty Period: 12 months (excluding user-induced damage).
- Coverage: Manufacturing defects affecting performance.

### **Limitation of Liability**

The manufacturer is not liable for:

- Damage caused by misuse or unauthorized modifications;
- Damage due to natural disasters or force majeure.

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### **Notes**

- Manual content may be updated; refer to the latest version.
- Retain this manual for future reference.