

## STARTONG USN-523450PCN-R

# Instruction Manual

## STARTONG 1050MAH 3.7V REPLACEMENT BATTERY

For Razer NARI, NARI Ultimate Wireless Gaming Headset

### 1. Introduction

This manual provides essential information for the proper handling, installation, and care of your STARTONG 1050mAh 3.7V Li-ion Polymer replacement battery. This battery is specifically designed for use with Razer NARI and NARI Ultimate wireless gaming headsets. Please read this manual thoroughly before attempting any installation or use to ensure safety and optimal performance.

### 2. Product Overview

The STARTONG replacement battery is a high-quality Li-ion Polymer battery engineered to provide reliable power for your compatible Razer gaming headset. It offers a capacity of 1050mAh and a nominal voltage of 3.7V, ensuring long working time and over 300 cycles of life. The battery is certified by UL, CE, UN38.3, and RoHS for safety and reliability.



Figure 1: Front view of the STARTONG 1050mAh 3.7V Li-ion Polymer replacement battery, displaying its capacity,

voltage, and compatibility with Razer NARI/NARI Ultimate headsets, along with critical safety warnings.



Figure 2: Angled view of the STARTONG replacement battery, showing the compact design and the attached connector with red, yellow, and black wires, ready for installation.

### 3. Safety Precautions

Lithium-ion polymer batteries require careful handling. Adhere to the following safety guidelines to prevent injury or damage:

- **DO NOT ATTEMPT TO OPEN OR DISASSEMBLE THE BATTERY.** Internal components are not user-serviceable and can be hazardous.
- **DO NOT CRUSH, PUNCTURE, OR DISPOSE OF IN FIRE OR WATER.** This can lead to explosion, fire, or leakage.
- **DO NOT EXPOSE TO TEMPERATURES ABOVE 60°C (140°F).** High temperatures can degrade battery performance and pose a safety risk.
- Keep the battery away from children and pets.
- If the battery shows signs of swelling, leakage, or damage, discontinue use immediately and dispose of it properly.

### 4. Setup and Installation

Replacing the battery in your Razer NARI or NARI Ultimate headset requires technical proficiency. It is recommended that this procedure be performed by individuals with experience in electronics repair, as it may involve soldering.

#### 4.1 Compatible Models:

- RAZER NARI Wireless Gaming Headset

- RAZER NARI ULTIMATE Wireless Gaming Headset

## 4.2 Installation Steps (General Guidance):

1. **Gather Tools:** You will likely need small screwdrivers, a soldering iron, solder, wire cutters/strippers, and heat shrink tubing.
2. **Disassemble Headset:** Carefully open your Razer NARI/NARI Ultimate headset to access the existing battery compartment. Refer to specific headset disassembly guides or videos if available.
3. **Disconnect Old Battery:** Identify the old battery and its connection. **Note:** According to user feedback, the connector on this replacement battery may be smaller than the original. You might need to cut the wires from the original battery's connector and solder them to the new battery's wires, ensuring correct polarity (red to red, black to black, etc.). If unsure, seek professional assistance.
4. **Install New Battery:** Secure the new STARTONG battery in the compartment. Ensure it fits without excessive force or bending.
5. **Reassemble Headset:** Carefully reassemble the headset, ensuring all screws and components are properly secured.
6. **Initial Charge:** Fully charge the new battery before its first use.

***Disclaimer:** Improper installation can damage your device or the battery. If you are not confident in performing this procedure, please consult a qualified technician.*

## 5. Operating Instructions

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Once installed, the STARTONG replacement battery operates identically to the original battery in your Razer NARI/NARI Ultimate headset.

- **Charging:** Charge the headset using its original charging cable and power adapter. The battery supports the headset's standard charging protocols.
- **Usage:** Use your headset as normal. The battery is designed to provide stable power for extended gaming sessions.
- **Battery Indicator:** Monitor the battery level through your headset's software or LED indicators, if available.

## 6. Maintenance

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Proper maintenance can extend the lifespan of your battery:

- **Avoid Extreme Temperatures:** Do not expose the headset (and thus the battery) to very high or very low temperatures for prolonged periods.
- **Regular Charging:** Avoid completely draining the battery frequently. It is best to recharge before it reaches critically low levels.
- **Storage:** If storing the headset for an extended period, charge the battery to approximately 50-70% before storage. Recharge every few months to prevent deep discharge.
- **Cleaning:** Keep the headset and battery compartment clean and free of dust.

## 7. Troubleshooting

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If you encounter issues with your replacement battery, consider the following:

- **Headset Not Powering On:**

- Ensure the battery is correctly installed and connected.
  - Verify the battery is charged. Connect the headset to a charger for at least 30 minutes.
  - Check for any loose connections or damaged wires if you performed soldering during installation.
- **Poor Battery Life:**
    - Ensure the battery is fully charged before use.
    - Verify that the headset's power settings are optimized.
    - Consider if the battery has reached the end of its expected cycle life (rated for over 300 cycles).
- **Battery Not Charging:**
    - Try a different charging cable or power adapter.
    - Ensure the charging port on the headset is clean and free of debris.
    - Check for any internal wiring issues if the battery was recently installed.

If problems persist, contact STARTONG customer support or a qualified repair technician.

## 8. Specifications

Attribute	Value
Battery Type	Li-ion Polymer battery
Capacity	1050mAh
Nominal Voltage	3.7V
Pack Dimension	52.00 x 34.50 x 5.20mm
Weight	15g
Working Temperature	Less than 60°C (140°F)
Cycle Life	Over 300 times
Certifications	UL, CE, UN38.3, RoHS
Model Number	USN-523450PCN-R

## 9. Warranty and Support

The STARTONG replacement battery comes with a **180-day warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the battery is 100% compatible with the original specifications.

For warranty claims, technical support, or any inquiries regarding your STARTONG product, please contact the seller or manufacturer directly through the platform where the purchase was made. Provide your order details and a description of the issue for prompt assistance.

