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› [LIMETA](#) /

› LIMETA R8 Air 8-Bay Smart Battery Charger User Manual

LIMETA R8 Air

LIMETA R8 Air 8-Bay Smart Battery Charger User Manual

Model: R8 Air

1. INTRODUCTION

Thank you for choosing the LIMETA R8 Air 8-Bay Smart Battery Charger. This manual provides essential information for the safe and efficient operation of your charger. Please read it thoroughly before use and retain it for future reference.



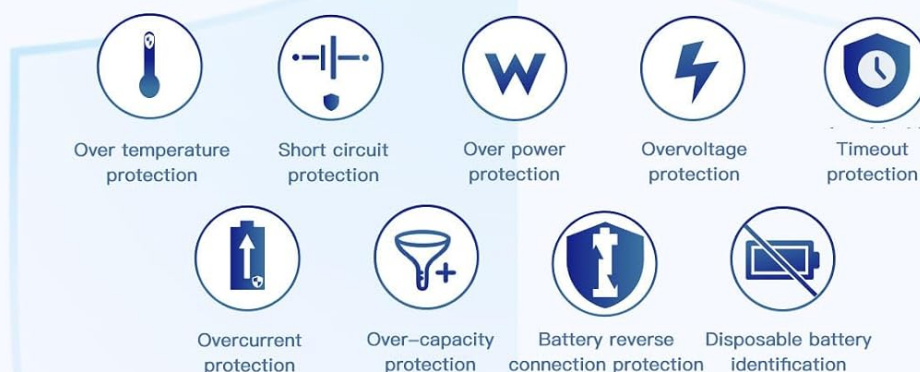
The LIMETA R8 Air 8-Bay Smart Battery Charger, shown with a mix of AA and AAA rechargeable batteries in its independent charging slots. The charger features a sleek black design and a USB-C input cable.

2. SAFETY INSTRUCTIONS

To ensure safe operation and prevent damage, please observe the following safety precautions:

- Do not attempt to charge non-rechargeable batteries. This can lead to leakage, rupture, or explosion.
- Use only the specified input voltage (DC 5-9V) for the charger.
- Do not disassemble, modify, or repair the charger. Contact customer support if service is required.
- Avoid exposing the charger to water, high humidity, or extreme temperatures.
- Keep the charger away from flammable materials and direct sunlight.
- Ensure proper ventilation during charging. Do not cover the charger.
- Keep out of reach of children and pets.
- If any abnormal conditions occur (e.g., smoke, strange odor, excessive heat), immediately disconnect the power and remove batteries.

Comprehensive Protection For Greater Security



A visual representation of the safety features integrated into the LIMETA R8 Air charger. These include over-temperature protection, short circuit protection, over-power protection, overvoltage protection, timeout protection, overcurrent protection, over-capacity protection, battery reverse connection protection, and disposable battery identification.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- LIMETA R8 Air 8-Bay Smart Battery Charger
- USB Type-C Charging Cable
- User Manual (this document)



A close-up of the product packaging label for the LIMETA R8 Air charger. It displays essential information such as 'Product Name: charger', 'Model: R8 Air', 'Brand: LIMETA', 'Country Origin: Made in China', 'Manufacturer: isdt', and contact details for support.

4. PRODUCT FEATURES

The LIMETA R8 Air charger offers advanced features for efficient and safe battery charging:

- **8 Independent Charging Slots:** Each slot operates independently, allowing simultaneous charging of different battery types and sizes.
- **Wide Compatibility:** Supports AA, AAA, 10500, 12500 battery sizes and NiMH, NiCd, NiZn, Li-ion, LiFePO4, LiHv, 1.5V Lithium rechargeable battery types.
- **Fast Charging:** High output up to 1000mA per slot for quicker charging times.
- **USB Type-C Input:** Convenient and versatile power input (DC 5-9V, Max 27W).
- **Smart Protection:** Comprehensive safety features including over-temperature, short circuit, over-power, overvoltage, timeout, overcurrent, over-capacity, reverse connection, and disposable battery identification.
- **App Control:** Monitor charging status and update firmware via the Polying App.

USB Type-C Port Input

Automatically adapts to USB power output power
Match with PD adapter for faster charging.



computer USB port



mobile power



car charger

A visual emphasizing the core features of the LIMETA R8 Air: intelligent identification of battery types, independent fast charging for each of its eight slots, and wide compatibility with various battery sizes (AAA, AA, 10500, 12500) and types (NiMH, NiCd, Li-ion, LiFePO4).

5. SETUP

1. **Connect Power:** Insert the provided USB Type-C cable into the charger's Type-C input port. Connect the other end to a compatible USB power source (e.g., wall adapter, computer USB port, power bank, car charger) with a DC 5-9V output.
2. **Power On:** The charger will power on automatically once connected to a power source. The charging indicators will briefly illuminate.

Connect To The LIMETA App

experience convenient wireless operation



Download on the
App Store



Get it on
Google Play

Charged capacity

Current and voltage

Charging time

Battery Type



This image highlights the versatility of the LIMETA R8 Air's USB Type-C input port. It demonstrates that the charger can be powered by various sources, including a computer's USB port, a mobile power bank, or a car charger, adapting automatically to USB power output.

6. OPERATING INSTRUCTIONS

- 1. Insert Batteries:** Carefully insert rechargeable batteries into the charging slots. Ensure the positive (+) and negative (-) terminals of the battery match the polarity markings in the charger slot. The charger will automatically detect the battery type and begin charging.
- 2. Monitor Charging:** Each slot has an individual LED indicator. The indicator will illuminate to show charging status. Refer to the specifications for indicator behavior (e.g., solid light for charging, off for fully charged).
- 3. Charging Completion:** Once a battery is fully charged, its indicator light will change (e.g., turn off or change color). Remove the fully charged batteries from the charger.



Close-up view of the LIMETA R8 Air charger demonstrating the insertion of a single AAA rechargeable battery into one of its independent slots. The USB-C power cable is visible.

7. APP CONNECTION AND USAGE

The LIMETA R8 Air charger can be monitored and controlled via the Polying App (formerly ISDT Connect). This app allows for real-time monitoring of charging parameters and firmware updates.

1. **Download the App:** Search for "Polying" in your device's App Store (iOS) or Google Play Store (Android) and install it.
2. **Connect to Charger:** Open the Polying App. The app should automatically detect and connect to your LIMETA R8 Air charger via Bluetooth.
3. **Monitor Status:** Within the app, you can view detailed information for each charging slot, including current, voltage, charged capacity, and charging time.

4. **Firmware Update:** Regularly check the app for firmware updates. Updating to the latest version (e.g., V2.0) can optimize charging performance for various battery types.

Protection mechanism

Intelligent power allocation, automatic adjustment of charging parameters, screening of battery type, faster and safer



- Over temperature protection
- Short circuit protection
- Over power protection
- Overvoltage protection
- Timeout protection
- Overcurrent protection
- Over-capacity protection
- Battery reverse connection protection
- Disposable battery identification

An image promoting the LIMETA App for convenient wireless operation. The app displays real-time data such as current, voltage, charged capacity, charging time, and battery type. Download links for the App Store and Google Play are provided.

Intelligent independent 8-slot battery fast charger

higher, faster and smarter

Battery Size: AAA, AA, 10500, 12500

Battery Type: NiMH, NiCd, Li-Ion, LiFePO4



Intelligent
Identification



Independent
fast charging



Wide
compatibility



An image instructing users to open the Polying App to update the charger's firmware to version 2.0. This update optimizes 1.5V Li-ion battery charging and enhances NiMH battery charging performance.

8. BATTERY COMPATIBILITY

The LIMETA R8 Air charger is designed for broad compatibility with various rechargeable battery types and sizes:

- **Battery Sizes:** AA, AAA, 10500, 12500
- **Battery Types:** NiMH (Nickel-Metal Hydride), NiCd (Nickel-Cadmium), NiZn (Nickel-Zinc), Li-ion (Lithium-ion), LiFePO4 (Lithium Iron Phosphate), LiHv (High Voltage Lithium), 1.5V Lithium Rechargeable Battery

8-Slot Universal Charger Compatibility



An image showcasing the LIMETA R8 Air charger's broad compatibility, capable of charging AAA, AA, 10500, 12500, NiMH, NiCd, Li-ion, LiFePO4, LiHV, and 1.5V constant voltage lithium batteries. Several batteries are inserted, demonstrating the multi-size support.

9. TROUBLESHOOTING

If you encounter issues with your charger, refer to the following common problems and solutions:

- **Charger not powering on:**

- Ensure the USB Type-C cable is securely connected to both the charger and the power source.
- Verify that the power source is functional and provides DC 5-9V.
- Try a different USB cable or power adapter.

- **Battery not charging:**

- Check that the battery is inserted with correct polarity (+/-).
- Ensure the battery is a rechargeable type compatible with the charger.
- Clean the battery contacts and charger contacts if they appear dirty.
- The battery may be faulty or deeply discharged beyond recovery.

- **App not connecting:**

- Ensure Bluetooth is enabled on your smartphone.
- Make sure the charger is powered on and within Bluetooth range.
- Restart the Polying App and/or your smartphone.
- Check if the app requires an update.

- **Charger or batteries getting hot:**

- Some warmth during charging is normal. However, excessive heat indicates a problem.
- Immediately disconnect power and remove batteries.
- Ensure proper ventilation around the charger.
- The battery might be faulty. Do not attempt to recharge a battery that becomes excessively hot.

10. SPECIFICATIONS

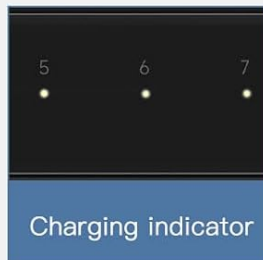
Parameter	Value
Model	R8 Air
Input Voltage & Current	DC 5~9V
Max Charging Power	27W
Max Charging Current	1.00A/slot
Battery Sizes Supported	AAA, AA, 10500, 12500
Battery Types Supported	NiMH, NiCd, NiZn, Li-ion, LiFePO4, LiHv, 1.5V Lithium Rechargeable Battery
Operating Temperature	10°C~40°C (50°F~104°F)
Dimensions	118.5mm x 63mm x 25mm (4.7"D x 2.5"W x 1"H)
Weight	75g (1.2 ounces / 34 Grams)
Certifications	UL, CE, FCC, IEC

Every Detail Is Excellent

More professional design details



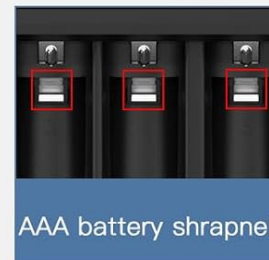
Type-C input port



Charging indicator



AA battery shrapnel



AAA battery shrapnel

This image provides a detailed breakdown of the LIMETA R8 Air charger's physical attributes, including its dimensions (118.5mm length, 63mm width, 25mm height), the Type-C input port, individual charging indicators for each slot, and the design of the AA and AAA battery contacts (shrapnel).

11. MAINTENANCE

Proper maintenance ensures the longevity and performance of your charger:

- **Cleaning:** Disconnect the charger from power before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use abrasive cleaners or solvents.
- **Storage:** Store the charger in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Contact Care:** Periodically inspect the charging contacts for any debris or corrosion. Clean gently with a cotton swab if necessary.

12. WARRANTY AND SUPPORT

LIMETA products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the contact information provided on the product packaging or visit the official LIMETA website.

Manufacturer: isdt

Email: hr-admin01@li-meta.com

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question