

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

> [ISDT](#) /

> [ISDT Q6 Retro 350W 16A DC Lipo Battery Balance Charger Instruction Manual](#)

ISDT Q6 Retro

ISDT Q6 Retro 350W 16A DC Lipo Battery Balance Charger Instruction Manual

Model: Q6 Retro

INTRODUCTION

The ISDT Q6 Retro is a compact and powerful DC Lipo battery balance charger and discharger designed for RC car and hobby batteries. It features advanced technology for efficient and safe battery management. This manual provides essential information for the proper setup, operation, and maintenance of your device.

KEY FEATURES

- **High Power Output:** 350W charging power with up to 16A charging current.
- **Wide Battery Compatibility:** Supports 1-6S LiFe, Lion, LiPo, LiHV batteries.
- **Smart Battery Technology:** Supports BattAir technology for automatic battery identification and optimal charging parameters.
- **Intuitive Display:** 2.4" IPS display with auto-brightness for clear visibility.
- **Efficient Cooling:** High-speed ball bearing fan increases cooling performance by 300%.
- **Advanced Functions:** Includes a battery destroy function to reduce waste battery pollution and adjustable digital power supply mode.
- **App Control:** Support phone control via the "ISD Link" APP for wireless operation and monitoring.

SETUP GUIDE

1. Unboxing and Initial Checks

Ensure all components are present. Note that the power adapter and main charging cable are not included and must be purchased separately.

2. Firmware Update

If you experience any issues, such as buttons not working, please visit the ISDT official website to download and update the latest firmware. The charger supports firmware updates via its USB-C port.

Smarter and Convenient

Built-in App control and multi-connectivity
Efficient mobile phone APP linkage, fully intelligent battery management
Wireless Operation, start with "ISDLink"
adds the wireless connection function. With "ISDLink" APP,
you can preset charging tasks,
monitor the charging process at any time. Also, one click to OTA upgrade.



New Support

BattAir

Smart Battery Technology

Support Brand New Smart Battery Technology,
Smartly exchange information with BattAir battery,
Automatically identify the battery type,
match the optimal charging parameters. Safe and smart.

Image: The ISDT Q6 Retro charger showing its USB-C port, indicating its capability for firmware upgrades.

3. BattAir Plugin Setup (Optional)

The ISDT Q6 Retro supports BattAir smart battery technology. To utilize this feature, you will need BattAir Plug-ins (available for 2S, 3-4S, and 5-6S LiPo batteries). The 3-4S and 5-6S plug-ins are typically included with compatible chargers, while 2S plug-ins may need to be purchased separately.

- **Download the App:** Search for "BattAir" in your smartphone's app store (Google Play Store for Android, Apple App Store for iOS) and install the application.
- **Connect BattAir Plug-in:** Connect the appropriate BattAir Plug-in to your battery's balance lead. Ensure the negative pin of the balance lead aligns with the negative pin on the plug-in for proper data transmission.
- **Initialize Battery in App:** Open the BattAir app. The app will detect an "Unknown Battery." Select it to initialize. Input the battery's chemistry (e.g., LiPo 4.20V), cell count (e.g., 6S), charge rate (e.g., 1C), discharge rate (e.g., 30C), and capacity (e.g., 5200mAh). You can also add a manufacturer name and an optional password.
- **Save Settings:** Press the "Save" button in the app, then press the physical button on the BattAir Plug-in to save the settings to the dongle. The dongle will store these settings, allowing the charger to automatically recognize the battery's parameters.

Your browser does not support the video tag.

Video: This video demonstrates the setup and use of ISDT BattAir Plug-ins with an ISDT Air8 charger, which is conceptually similar to the Q6 Retro. It shows how to connect the plug-ins to LiPo batteries, download and configure settings via the BattAir smartphone app, and initiate charging with automatic parameter recognition.

OPERATING INSTRUCTIONS

1. Basic Charging with BattAir (if applicable)

Once your BattAir Plug-in is configured via the app, connect the battery's main power lead to the charger's output port and the BattAir Plug-in to the balance port. The charger will automatically detect the battery type and pre-configured settings. Simply press the 'Start' button to begin the charging cycle. You can only adjust settings via the BattAir app, not directly on the charger for BattAir-enabled batteries.

2. Storage Discharge

The BattAir Plug-ins also offer a storage discharge function. This will slowly discharge the battery to a safe storage voltage (e.g., 3.8V per cell) using a small internal resistor. This is useful for maintaining battery health when not in use for extended periods.

3. Monitoring

The charger's 2.4" IPS display will show real-time charging data, including individual cell voltages, total voltage, current, and capacity. You can also monitor this information remotely via the "ISD Link" app on your smartphone.

SPECIFICATIONS

Feature	Value
Charging Power	DC 350W
Charging Current	0.1A-16.0A
Discharging Power	10W
Discharging Current	0.1A-1.0A
Input Voltage	DC 10-30V
Output Voltage	DC 1-30V
Supported Batteries	LiFe, Lion, LiPo 1-6S; LiHV 1-6S
Dimensions	80*80*33.5mm (3.15 x 3.15 x 1.32 inches)
Weight	119g (4.2 ounces)
Display	2.4" IPS with auto brightness

MAINTENANCE

- Keep the charger clean and free from dust and debris.
- Store the charger in a dry environment, away from direct sunlight and extreme temperatures.
- Regularly inspect cables and connectors for any signs of wear or damage.
- Ensure proper ventilation around the charger during operation to prevent overheating.

TROUBLESHOOTING

- **Charger not powering on:** Check all power connections and ensure the DC input voltage is within the specified range (10-30V).
- **Buttons not responding:** Try updating the firmware from the ISDT official website.
- **Incorrect battery readings with BattAir:** Ensure the BattAir Plug-in is correctly connected to the balance lead, with the negative pin aligned. Re-check battery initialization settings in the BattAir app.
- **Slow charging:** Verify the set charge current in the charger settings or BattAir app. Ensure your power supply can deliver sufficient current and voltage.

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the documentation provided with your purchase or visit the official ISDT website. Keep your proof of purchase for warranty claims.