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SKYRC SK-100196

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Model: SK-100196

INTRODUCTION

The SKYRC D200neo is a versatile dual-channel AC/DC multi-function smart charger designed for various battery types, including LiPo, LiFe, Lilon, LiHV, NiMH, NiCd, and Pb. It offers powerful charging capabilities with up to 200W on AC input and 800W on DC input, supporting up to 6S LiPo batteries. This manual provides essential information for safe and efficient operation of your D200neo charger.

SAFETY PRECAUTIONS

Always read and understand all instructions and warnings before using this charger. Improper use can lead to fire, property damage, or personal injury.

- Never leave the charger unattended during operation.
- Ensure the charger is placed on a heat-resistant, non-flammable, and non-conductive surface.
- Do not charge batteries that are swollen, leaking, or damaged.
- Verify battery type, cell count, and charging parameters are correctly set before starting a charge cycle.
- Keep the charger away from moisture, dust, and direct sunlight.
- Use only genuine SKYRC accessories and power cables.
- Keep out of reach of children.

PRODUCT OVERVIEW

The SKYRC D200neo features a compact design with a clear LCD display and intuitive controls for easy operation. It includes dual charging ports (A and B) and various safety features.



Image Description: A front-angle view of the SKYRC D200neo charger. The device is grey with a black screen. The screen shows two main sections, 'A' and 'B', indicating dual-channel operation. Section 'A' displays "LiPo/6S/Balance CHG" with values "25.15V", "7.91A", "1659mAh", "199W", and a timer "00:12:54". Section 'B' shows "LiPo/6S/Discharge" with values "23.64V", "0.41A", "1973mAh", "9W", and a timer "01:33:48". The top right of the charger indicates "Bluetooth" and "Port A/B" buttons. The bottom front features two sets of XT60 ports and balance ports labeled "654321" for each channel. The right side of the charger has "200W AC" and "QC3.0 18W" labels.

Key Components:

- **LCD Display:** Large screen for monitoring charging status and settings.
- **Navigation Dial/Buttons:** For menu navigation and parameter adjustment.
- **Dual Output Ports (A & B):** XT60 connectors for main battery connection.
- **Balance Ports:** For balancing multi-cell battery packs.
- **AC Input Port:** For connecting to mains power.
- **DC Input Port:** For connecting to a DC power source.
- **USB-C Port (QC3.0 18W):** For charging external devices.
- **Bluetooth Connectivity:** For app control and monitoring.

SETUP

1. Power Connection:

- **AC Power:** Connect the supplied AC power cord to the charger's AC input port and then to a wall outlet.

- **DC Power:** Connect a DC power supply (e.g., 12V car battery or regulated power supply) to the charger's DC input port. Ensure correct polarity.

2. Battery Connection:

- Connect your battery's main power lead (e.g., XT60) to one of the charger's output ports (A or B).
- For multi-cell batteries (e.g., LiPo), connect the balance lead to the corresponding balance port. This is crucial for safe and balanced charging.

3. **Initial Power On:** The charger will power on automatically once connected to a power source.

OPERATING INSTRUCTIONS

Navigating the Menu:

Use the navigation dial and buttons to move through the menu options and adjust parameters. The LCD screen provides real-time feedback.

Charging a Battery:

1. Select the desired channel (A or B) using the A/B button.
2. Choose the battery type (e.g., LiPo, NiMH) from the main menu.
3. Select the operation mode (e.g., Balance Charge, Fast Charge, Storage, Discharge).
4. Set the appropriate charging current (Amps) and cell count (S for LiPo, V for NiMH/NiCd). Refer to your battery's specifications for recommended values.
5. Confirm the settings and press the start button to begin the operation. The charger will perform a self-check before starting.
6. Monitor the charging process on the display. The charger will automatically stop when the process is complete.

Using the Bluetooth App:

The SKYRC D200neo supports Bluetooth connectivity, allowing you to control and monitor the charger via a dedicated smartphone app. Download the official SKYRC app from your device's app store, pair it with the charger, and follow the in-app instructions for remote operation and data logging.

Your browser does not support the video tag.

Video Description: This video provides a product overview of the SKYRC D200neo Dual AC/DC Multi-Function Smart Charger. It highlights the charger's compact design, dual-channel capabilities, large LCD display, intuitive controls, and safety features like overcharge and over-discharge protection. The video demonstrates connecting a battery and navigating the interface, emphasizing its suitability for RC, drone, and other battery-powered hobbies.

MAINTENANCE

- **Cleaning:** Regularly clean the charger's exterior with a soft, dry cloth. Do not use solvents or abrasive cleaners.
- **Ventilation:** Ensure the ventilation openings are clear of dust and debris to prevent overheating.
- **Storage:** Store the charger in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Firmware Updates:** Check the official SKYRC website for any available firmware updates to ensure optimal performance and access to new features.

TROUBLESHOOTING

- **Charger Not Powering On:** Check AC/DC power connections. Ensure the power source is active and providing the correct voltage.
- **Error Messages:** Refer to the charger's display for specific error codes. Common errors relate to incorrect battery type selection, cell count mismatch, or poor battery connection. Disconnect and reconnect the battery, then re-verify settings.
- **Charging Not Starting:** Ensure all parameters are set correctly and the start button is pressed firmly. Check battery health; severely over-discharged or damaged batteries may not be accepted.
- **Overheating:** Ensure adequate ventilation around the charger. Reduce charging current if the charger or battery becomes excessively hot.

SPECIFICATIONS

Parameter	Value
Input Voltage	AC: 100-240V / DC: 10-30V
Charge Power (AC)	200W
Charge Power (DC)	800W
Charge Current	0.1-20.0A (per channel)
Discharge Current	0.1-2.0A (per channel)
Balance Current	Max. 1000mA
LiPo/LiFe/LiIon/LiHV Cell Count	1-6S
NiMH/NiCd Cell Count	1-15S
Pb Battery Voltage	2-20V
Product Dimensions	5.08 x 5 x 4.29 inches (129 x 127 x 109 mm)
Item Weight	5.6 ounces (0.16 Kilograms)
Model Number	SK-100196

WARRANTY AND SUPPORT

SKYRC products are manufactured to the highest quality standards. This product is covered by a limited warranty against manufacturing defects. Please retain your proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or warranty inquiries, please visit the official SKYRC website or contact their customer service department. Contact information can typically be found on the product packaging or the official website.

Website: www.skyrc.com



