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DigiPower TC-5000U

DigiPower TC-5000U Universal Smart Battery Charger Instruction Manual

Model: TC-5000U

1. Introduction

This instruction manual provides comprehensive guidance for the safe and effective use of your DigiPower TC-5000U Universal Smart Battery Charger. This device is designed to charge 3.6V to 8.4V lithium-ion batteries commonly found in digital cameras, camcorders, mobile phones, and e-readers. It features universal voltage compatibility, making it suitable for international travel.

2. Important Safety Information

Please read all safety instructions before using this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not expose the charger to rain or moisture.
- Do not disassemble the charger. Refer all servicing to qualified personnel.
- Use only with compatible lithium-ion batteries (3.6V - 8.4V). Attempting to charge other battery types may cause damage or injury.
- Keep the charger away from direct sunlight, heat sources, and flammable materials.
- Ensure proper ventilation during charging. Do not cover the charger.
- Unplug the charger from the power outlet when not in use or before cleaning.
- Do not operate the charger if it has been damaged in any way.
- Keep out of reach of children.

3. Package Contents

Verify that all items are present in your package:

- DigiPower TC-5000U Universal Smart Battery Charger
- AC Power Cord
- Instruction Manual (this document)

4. Product Overview



Image 1: DigiPower TC-5000U Universal Smart Battery Charger. The image shows the compact black charger with a white rectangular battery inserted into its adjustable bay. A USB cable is connected to the side of the charger, indicating its dual charging capability. An LED indicator light is visible on the right side.

The DigiPower TC-5000U features an adjustable battery bay to accommodate various battery sizes and a USB output port for charging other devices. An LED indicator provides charging status.

- **Adjustable Battery Bay:** Accommodates various lithium-ion battery sizes.
- **Battery Contact Pins:** Multiple pins ensure connection with different battery terminal layouts.
- **LED Indicator:** Displays charging status (Red for charging, Green for charged).
- **USB Output Port:** For charging USB-powered devices.
- **AC Input Port:** For connecting the AC power cord.

5. Setup

1. **Connect Power:** Insert the AC power cord into the charger's AC input port, then plug the other end into a standard wall outlet (100-240V AC, 50/60Hz).
2. **Prepare Battery:** Ensure the battery you intend to charge is a compatible 3.6V - 8.4V lithium-ion type.

6. Operating Instructions

6.1 Charging a Lithium-Ion Battery

1. **Insert Battery:** Place the lithium-ion battery into the adjustable battery bay. Carefully slide the adjustable contacts until they align with the positive (+) and negative (-) terminals of your battery. Ensure a secure connection.
2. **Verify Connection:** The charger's LED indicator should illuminate **Red**, indicating that charging has begun. If the LED does not light up or flashes, adjust the battery's position or contact pins until a solid red light appears.
3. **Charging Complete:** When the battery is fully charged, the LED indicator will turn **Green**.
4. **Remove Battery:** Once charging is complete, carefully remove the battery from the charger.

6.2 Charging a USB-Powered Device

The TC-5000U can also charge devices via its USB output port.

1. **Connect USB Cable:** Plug one end of your device's USB charging cable into the USB output port on the charger.

2. **Connect Device:** Plug the other end of the USB cable into your USB-powered device (e.g., smartphone, e-reader).
3. **Charging:** The device should begin charging. The charger's LED indicator primarily reflects the status of the battery in the adjustable bay, not necessarily the USB device.
4. **Disconnect:** Once your device is charged, disconnect the USB cable.

Note: The charger can charge a lithium-ion battery and a USB device simultaneously.

7. Maintenance

- **Cleaning:** Disconnect the charger from the power source before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or solvents.
- **Storage:** Store the charger in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Terminals:** Periodically check the battery contact pins for any debris or corrosion. Clean gently with a dry cotton swab if necessary to ensure optimal contact.

8. Troubleshooting

Problem	Possible Cause	Solution
Charger LED does not light up when battery is inserted.	No power to charger. Battery not properly seated. Battery terminals not making contact. Battery is not compatible or is severely discharged/damaged.	Ensure AC power cord is securely plugged into both the charger and the wall outlet. Adjust the battery's position in the bay to ensure proper contact with the pins. Clean battery terminals and charger pins if dirty. Try a different, known-good battery to test the charger.
Charger LED flashes red.	Poor battery contact. Battery fault or incompatibility.	Re-seat the battery, ensuring firm contact with the charging pins. Verify the battery is a compatible lithium-ion type (3.6V - 8.4V). If the issue persists, the battery may be faulty.
USB device not charging.	USB cable is faulty or not connected properly. Device requires more power than supplied.	Ensure the USB cable is securely connected to both the charger and the device. Try a different USB cable. Some high-power devices may not charge optimally via the USB port.

9. Specifications

Model Number	TC-5000U
Input Voltage	100-240V AC, 50/60Hz (Universal)
Output Voltage (Battery)	3.6V - 8.4V DC (Automatic Detection)
Output Voltage (USB)	5V DC
Compatible Battery Types	Lithium-ion (Li-ion) 3.6V - 8.4V

Dimensions	11.68 x 11.43 x 5.59 cm
Weight	226.8 g
Manufacturer	DigiPower (Mizco International)

10. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official DigiPower website. Keep your proof of purchase for warranty claims.
Manufacturer: DigiPower (Mizco International)
Website: www.digipower.com (*Note: This is a placeholder link, please verify the actual support website.*)

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