Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Bestpriceic M4 Pocket

ToolkitRC M4 Pocket 80W 5A Mini Smart Compact Charger Instruction Manual

Brand: Bestpriceic | Model: M4 Pocket

1. Introduction

This manual provides essential information for the safe and efficient operation of your ToolkitRC M4 Pocket charger. Please read thoroughly before use to ensure proper setup, operation, and maintenance. This charger is designed for 1-4S LiPo, LiHv, and LiFe batteries.

2. Safety Information

- Always operate the charger in a well-ventilated area, away from flammable materials.
- Never leave charging batteries unattended. Constant supervision is required.
- Ensure correct battery type and cell count settings to prevent damage, overheating, or fire. Incorrect settings can lead to severe hazards.
- Do not charge damaged, swollen, or punctured batteries.
- Keep the charger and batteries out of reach of children and pets.
- Use only compatible power sources with appropriate voltage and amperage as specified in this manual.
- Avoid short-circuiting the output terminals.

3. Package Contents

- 1x ToolkitRC M4 Pocket Charger
- 1x Instruction Manual

4. Product Features and Diagrams

The ToolkitRC M4 Pocket charger is a compact and versatile smart charger designed for various battery types. Below are key features and visual diagrams.



Figure 1: ToolkitRC M4 Pocket Charger with its compact design and clear display.



Figure 2: Compact size of the M4 Pocket charger, easily held in one hand.



Figure 3: Integrated XT30 and XT60 output ports for direct battery connection without adapters.



Figure 4: Top view of the M4 Pocket charger showing input and output ports.



Figure 5: Dual input options: XT60 DC input and USB-C multi-protocol fast charge input.



Figure 6: The USB-C output port can also be used to charge other devices like smartphones.

5. Setup

The M4 Pocket charger supports two primary input methods: XT60 DC and USB-C.

5.1. Powering the Charger

- **XT60 DC Input:** Connect a compatible DC power supply (7.0-25.0V, MAX 5.0A) to the XT60 input port.
- **USB-C Input:** Connect a USB-C power source (7.0-20.0V) that supports QC, PD, AFC, FCP protocols. Ensure the power source provides sufficient wattage (minimum 60W recommended for optimal performance) and voltage (at least 7V) for charging.

Once powered, the charger's IPS 1.54-inch LCD screen will activate, displaying the current input status or the main menu.

6. Operating Instructions

6.1. Connecting a Battery

- Connect the main power lead of your battery (e.g., XT30, XT60) to the corresponding output port on the charger.
- Connect the balance lead of your battery to the balance port on the side of the charger. This is crucial for accurate cell voltage monitoring and balancing during charging.

6.2. Selecting Task and Battery Type

- Navigate the menu using the buttons below the screen.
- Select 'Charge' for standard charging with balancing.
- Choose the correct battery type: LiPo, LiHv, LiFe, or LipoStorage (for storage charge/discharge).
- Ensure the cell voltage and cell count displayed match your battery's specifications. The charger should automatically detect the cell count when the balance lead is connected.

6.3. Setting Charge Current

Adjust the 'Current setting' to the appropriate charge rate for your battery. A common guideline is to charge at 1C (e.g., for a 1300mAh battery, set current to 1.3A). Refer to your battery's manual for recommended charge rates. The maximum charge power is 80W.

6.4. Starting the Task

Once all settings are confirmed, select 'Start task' to begin charging. The screen will display real-time charging information, including current, wattage, total voltage, and individual cell voltages.

6.5. Storage Mode

For long-term battery health, use the 'Storage' function to bring batteries to a safe storage voltage (typically 3.80V per cell for LiPo). This helps preserve battery life and reduces risks associated with fully charged or fully discharged storage.

6.6. Instructional Video: Smart Charger Operation

Video 1: This video demonstrates the basic operation of a smart charger, including connecting batteries, navigating menus, and selecting charge parameters. While the video features a similar model, the core functions and interface are comparable to the ToolkitRC M4 Pocket charger.

6.7. Instructional Video: Balance Charger Guide

Video 2: This video provides a comprehensive guide to using a multifunctional balance charger, covering various charging modes and settings. The principles of balance charging and profile management are applicable to the ToolkitRC M4 Pocket.

7. Maintenance

- Keep the charger clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Store the charger in a cool, dry place when not in use, away from direct sunlight or extreme temperatures.
- Avoid dropping or subjecting the charger to excessive force, which could damage internal components.
- Regularly inspect cables and connectors for any signs of wear or damage. Replace if necessary.

8. Troubleshooting

- **Charger not powering on:** Ensure the power input (XT60 or USB-C) meets the required voltage and amperage specifications. Check all cable connections securely.
- **Battery not charging/low charge rate:** Verify the power supply is adequate (minimum 60W for USB-C recommended). Check battery connections and ensure correct settings (battery type, cell count, current) are selected in the charger menu.
- **Error messages:** Consult the charger's display for specific error codes. Disconnect the battery and power source, then reconnect. If the error persists, refer to the support section.

8.1. Troubleshooting Video: Charger Overview

Video 3: This video provides a quick overview of the VIFLY ToothStor charger, highlighting its features and ease of use. It can offer insights into the general operation of compact multi-port chargers, which may be helpful for understanding the M4 Pocket's functionality and identifying potential issues.

9. Specifications

Feature	Specification
LCD	IPS 1.54inch LCD 240*240 Pixel
Input Voltage (XT60)	7.0-25.0V MAX 5.0A
Input Voltage (USB-C)	7.0-20.0V
USB-C Protocol	QC, PD, AFC, FCP Protocol
Battery Type	LiPo, LiHv, LiFe, LipoStorage 1-4S
Charge Power	1.0-5.0A@MAX 80W
Balance Current	400mA@4.20V
Balance Accuracy	<0.005V@ 4.2V
USB-C Output	1.0A@5.0V
Product Size	80*40*30mm (3.15"D x 1.57"W x 1.18"H)

Product Weight	75g (2.65 ounces)
Manufacturer	Bestpriceic
Color	Black
Safety Standard	FCC

10. Warranty & Support

For warranty claims or technical support, please contact Bestpriceic customer service through your retailer or the official product website. Keep your purchase receipt as proof of purchase. Please refer to the product packaging or official website for specific warranty terms and conditions.

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

Open the live page

https://manuals.plus/asin/B0B8JD1CJM

More documents and user manuals: **https://manuals.plus/**