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Fanttik E1 Max

Fanttik E1 Max Electric Screwdriver User Manual

Model: E1 Max | Brand: Fanttik

Mini Precision Screwdriver Set for Electronics Repair

1. Introduction

Thank you for choosing the Fanttik E1 Max Electric Screwdriver. This precision tool is designed for intricate tasks, offering accurate torque control and a comprehensive set of bits for various electronic and small hardware repairs. Please read this manual thoroughly before use to ensure proper operation and maintenance.

Figure 1.1: Fanttik E1 Max Electric Screwdriver and its magnetic bit set.

2. What's in the Box

The Fanttik E1 Max package includes the following components:

- 1 x Precision Electric Screwdriver
- 50 x 5/32" Hex S2 Precision Bits
- 1 x USB-C Cable

- 1 x Aluminum Alloy Magnetic Case
- 1 x Tweezer
- 1 x Pry Bar

Figure 2.1: All components included in the Fanttik E1 Max package.

3. Product Features

3.1 Precision Torque Settings

The E1 Max offers two electric torque settings: a low torque of 0.05 N.m for delicate tasks and a high torque of 0.2 N.m for more demanding applications. Additionally, a manual torque of 3 N.m is available for extra force when needed. This ensures accurate and controlled fastening for various precision instruments.

Figure 3.1: Visual representation of the different torque settings for precision work.

3.2 Comprehensive Bit Set

Equipped with 50 S2 steel bits of 12 different types, the Fanttik E1 Max is prepared for a wide range of repair tasks. The S2 steel ensures durability and a long service life for the bits.

Figure 3.2: A detailed view of the 50 S2 steel precision bits included in the set.

3.3 Magnetic Design and Storage

The electric screwdriver and all 50 bits are securely held in place by a magnetic aluminum alloy case. The pop-up mechanism provides easy access to the bits. Both the chuck of the screwdriver and the bits themselves are magnetic, preventing screws from falling during operation.

Figure 3.3: The magnetic case with its convenient pop-up mechanism for bit access.

3.4 Long-Lasting Battery and Charging

The screwdriver is powered by a 350mAh rechargeable battery, capable of driving over 450 M2.5x5mm screws on a full charge. It features a 200 RPM motor for efficient work and charges conveniently via a Type-C port.

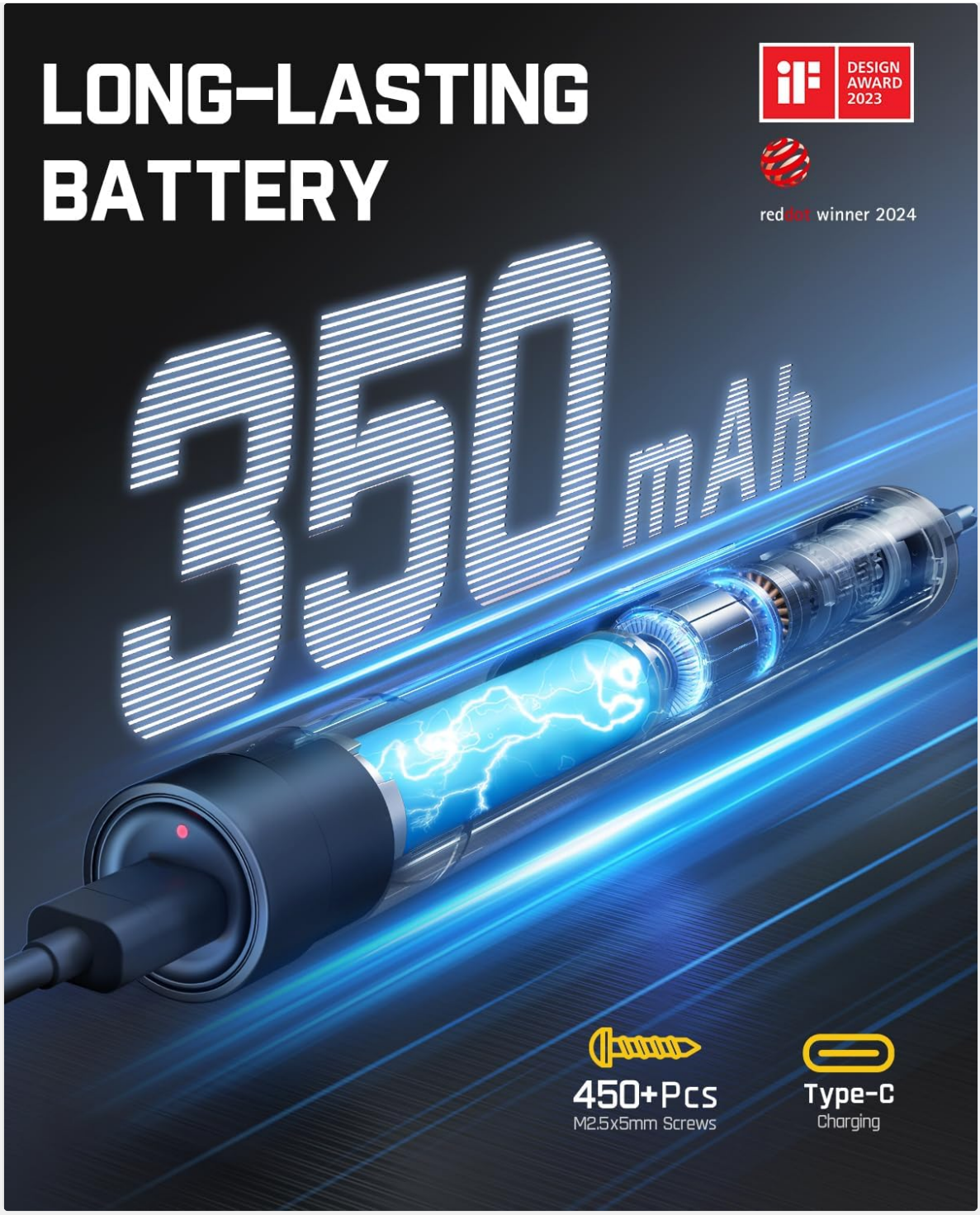

Figure 3.4: Internal view highlighting the 350mAh battery and Type-C charging port.

3.5 Integrated LED Light

The screwdriver features an integrated LED light that illuminates the work area, providing clear visibility for precise screw driving, especially in dimly lit conditions.

Figure 3.5: The LED light provides illumination for detailed work.

4. Setup

1. **Unpack:** Carefully remove all components from the packaging. Verify that all items listed in the "What's in the Box" section are present.
2. **Charge the Screwdriver:** Before first use, fully charge the electric screwdriver using the provided USB-C cable. Connect the cable to the Type-C port on the screwdriver and a compatible USB power source (e.g., computer, wall adapter). The charging indicator light will show charging status.
3. **Access Bits:** Press the top of the aluminum alloy case to activate the pop-up mechanism, revealing the bit storage tray.
4. **Select Bit:** Choose the appropriate precision bit for your task from the magnetic storage tray.
5. **Insert Bit:** Insert the selected bit into the magnetic chuck of the electric screwdriver. Ensure it is seated firmly.

5. Operating Instructions

1. **Power On/Off:** The screwdriver does not have a dedicated power button. It activates when a directional button is pressed.
2. **Select Torque Mode:** Rotate the top ring of the screwdriver to select the desired torque mode:
   - **L (Low Torque):** 0.05 N.m - Ideal for very delicate screws and components.
   - **H (High Torque):** 0.2 N.m - Suitable for most standard precision screws.
   - **Lock (Manual Mode):** 3 N.m - For initial loosening of tight screws or final tightening where more force is required. The electric motor is disengaged in this mode.
3. **Driving Screws:**
   - Place the selected bit onto the screw head.
   - Press the **>** button to drive the screw in (clockwise rotation).
   - Press the **<** button to remove the screw (counter-clockwise rotation).
   - The integrated LED light will illuminate automatically when the screwdriver is in operation.
4. **Using Manual Mode:** If a screw is too tight for the electric torque, switch to the Lock (Manual) mode. Apply manual force to loosen or tighten the screw, then switch back to an electric mode if desired to

complete the task.

Figure 5.1: The screwdriver's 200 RPM motor provides consistent reliability for various tasks.

6. Maintenance

- **Cleaning:** Wipe the screwdriver and bits with a soft, dry cloth after each use to remove dust and debris. Do not use abrasive cleaners or solvents.
- **Storage:** Always store the screwdriver and bits in their magnetic aluminum alloy case when not in use. Store in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Recharge the screwdriver regularly, even if not in constant use.
- **Bit Inspection:** Periodically inspect the bits for wear or damage. Replace worn bits to ensure optimal

performance and prevent damage to screws.

7. Troubleshooting

Problem	Possible Cause	Solution
Screwdriver not operating.	Low battery.	Recharge the screwdriver using the USB-C cable.
Screwdriver bit slips or strips screw.	Incorrect bit size/type; Worn bit; Incorrect torque setting.	Ensure correct bit for screw head; Replace worn bit; Adjust to higher torque or use manual mode.
Bit not holding in chuck.	Debris in chuck; Damaged chuck.	Clean chuck area; Contact support if damaged.

8. Specifications

Model: E1 Max

Brand: Fanttik

Material: Aluminum, Plastic

Power Source: Battery Powered

Voltage: 3.7 Volts (DC)

Electric Torque: Low: 0.05 N.m, High: 0.2 N.m

Manual Torque: 3 N.m

Motor Speed: 200 RPM

Battery Capacity: 350mAh

Charging Port: USB-C

Item Weight: 421 Grams (14.9 ounces)

Product Dimensions: 7.09 x 1.77 x 1.77 inches

Bits Included: 50 pcs 5/32" Hex S2 Precision Bits

Recommended Uses: Precision Instruments Repair (laptops, mobile phones, watches, graphics cards, cameras, drone wing replacement, etc.)

9. Warranty and Support

Fanttik products are manufactured to the highest quality standards. For warranty information, technical support, or any inquiries regarding your Fanttik E1 Max Electric Screwdriver, please refer to the official Fanttik website or contact their customer service directly. Keep your purchase receipt for warranty claims.

For further assistance, you may also refer to the official User Manual PDF available atFanttik E1 Max User Manual PDF

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