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› [Fanttik T1 Max Soldering Iron Kit & E1 Ultra Mini Electric Screwdriver User Manual](#)

## Fanttik T1 Max & E1 Ultra

# Fanttik T1 Max Soldering Iron Kit & E1 Ultra Mini Electric Screwdriver User Manual

Models: T1 Max Soldering Iron, E1 Ultra Electric Screwdriver

## 1. INTRODUCTION

Thank you for choosing the Fanttik T1 Max Soldering Iron Kit and E1 Ultra Mini Electric Screwdriver. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new tools. Please read this manual thoroughly before use and retain it for future reference.



Image 1.1: The Fanttik T1 Max Soldering Iron and E1 Ultra Electric Screwdriver Kit, showcasing both tools and their respective cases.

## 2. PRODUCT OVERVIEW AND COMPONENTS

### 2.1 Fanttik T1 Max Soldering Iron

The T1 Max is a portable soldering iron designed for precision work, featuring rapid heating and dual power modes.

- Soldering Iron Unit
- C210 Soldering Tips (I, IS, 2x K types)
- Soldering Iron Stand
- Solder Sucker

- Precision Tweezers
- Type-C Charging Cable

# C210 PRECISION SOLDERING TIPS

Resistance Value: 1.5~1.9Ω

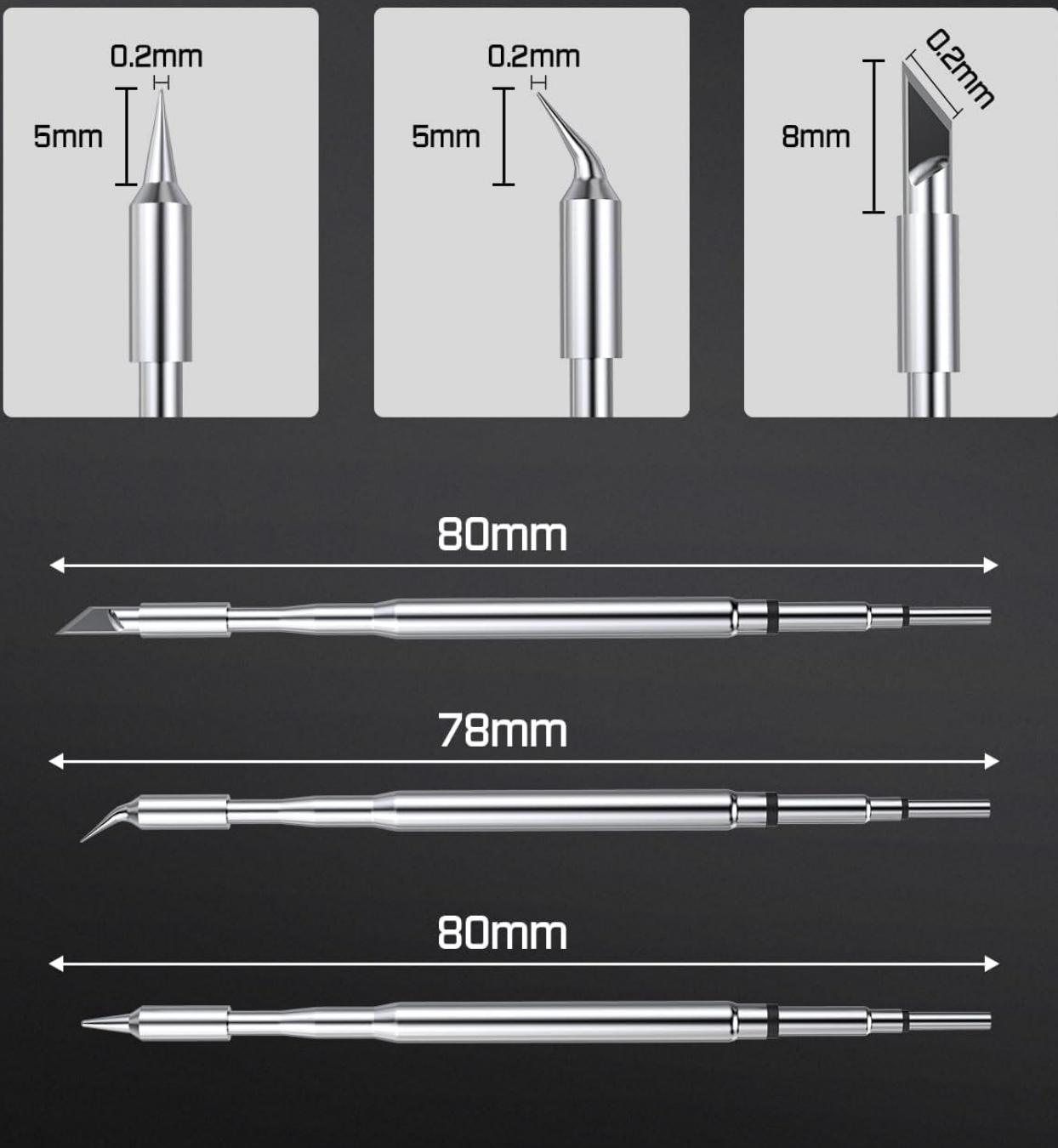


Image 2.1: Detailed view of the C210 precision soldering tips included with the T1 Max, showing various tip shapes and dimensions.

## 2.2 Fanttik E1 Ultra Mini Electric Screwdriver

The E1 Ultra is a compact electric screwdriver with precise torque control and an integrated bit storage system.

- E1 Ultra Electric Screwdriver
- 50 S2 Steel Precision Bits

- Pry Bar
- Tweezer
- Type-C Charging Cable

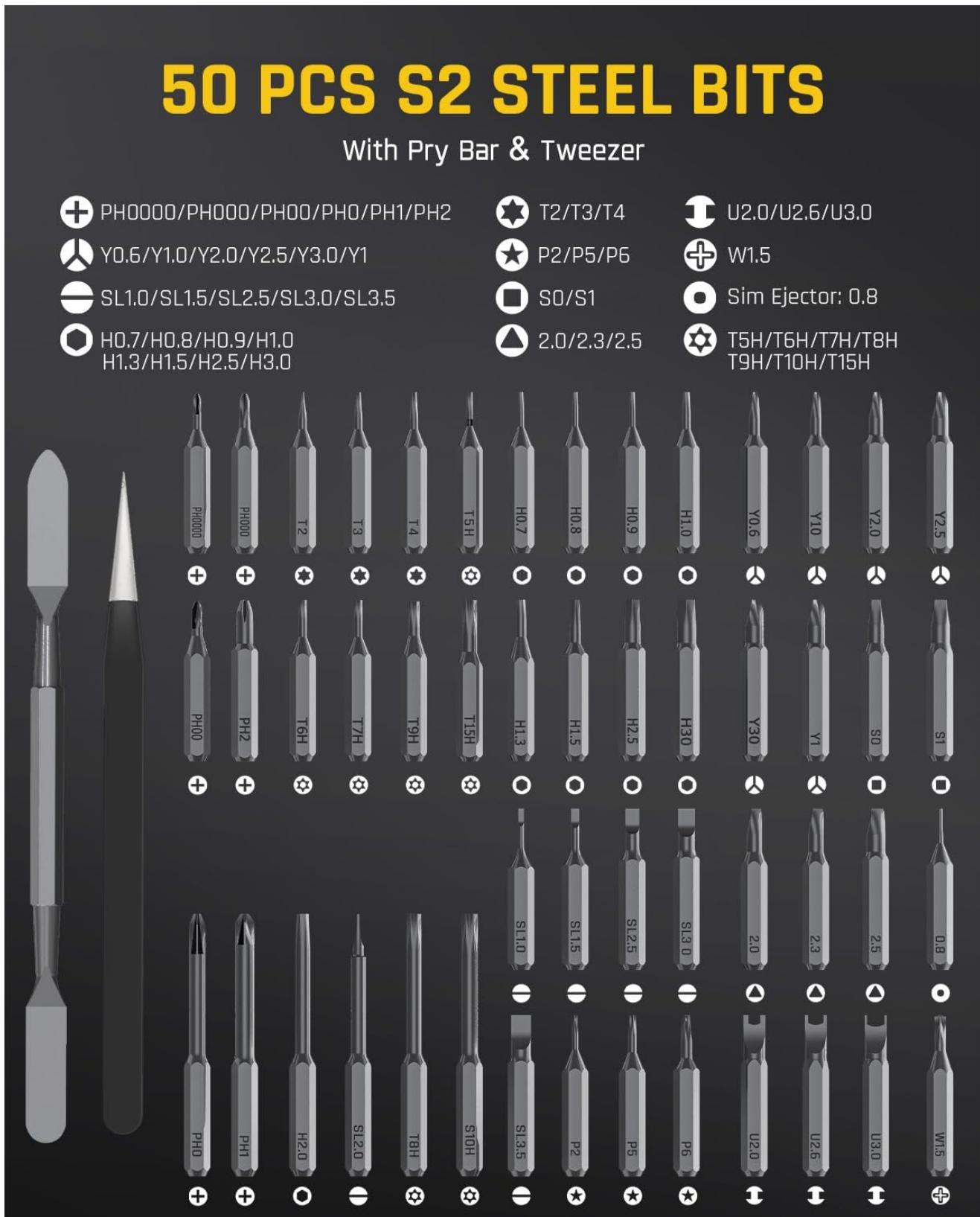


Image 2.2: The comprehensive set of 50 S2 steel precision bits, pry bar, and tweezer included with the E1 Ultra electric screwdriver.

### 3. SETUP

### 3.1 Fanttik T1 Max Soldering Iron Setup

- 1. Charging:** Connect the T1 Max to a Type-C power source using the provided cable. The indicator light will show charging status.
- 2. Attaching Soldering Tip:** Carefully insert the desired C210 soldering tip into the heating element opening until it is securely seated. Ensure the tip is fully inserted for optimal heat transfer.
- 3. Placement:** Always place the soldering iron in its stand when not actively soldering to prevent accidental burns or damage.

### 3.2 Fanttik E1 Ultra Mini Electric Screwdriver Setup

- 1. Charging:** Connect the E1 Ultra to a Type-C power source. The LED indicator will signal charging.
- 2. Bit Selection and Installation:** Select the appropriate S2 steel bit from the RevoStor™ storage system. Insert the bit into the magnetic bit holder at the tip of the screwdriver. Ensure it is firmly seated.

# STORAGE SYSTEM

## RevoStor™



Image 3.1: The E1 Ultra's RevoStor™ internal rotating storage chamber, designed for convenient access and organization of precision bits.

## 4. OPERATING INSTRUCTIONS

### 4.1 Fanttik T1 Max Soldering Iron Operation

- 1. Power On/Off:** Press and hold the power button to turn the soldering iron on or off.
- 2. Temperature Adjustment:** Rotate the temperature adjustment ring to select one of the 6 available temperature levels, ranging from 390°F (200°C) to 840°F (450°C). The selected temperature will be displayed.

# 6 LEVELS TEMPERATURE

390<sup>°</sup>F - 840<sup>°</sup>F (200<sup>°</sup>C - 450<sup>°</sup>C)



Image 4.1: The temperature adjustment mechanism on the T1 Max soldering iron, showing the 6 distinct temperature levels.

3. **Rapid Heating:** The T1 Max features rapid heating, reaching operating temperature in as fast as 7 seconds.



Image 4.2: The T1 Max soldering iron in use, demonstrating its super-fast heating capability, reaching 840°F from 0°F in 7 seconds.

4. **Wireless Mode:** The built-in 2600mAh battery provides up to 60 minutes of working time at 840°F (450°C) with a maximum DC output of 11W.
5. **Corded Mode:** For extended use, connect the T1 Max via its Type-C port to a charger or mobile power supply. In wired mode, the maximum AC output is 16W.

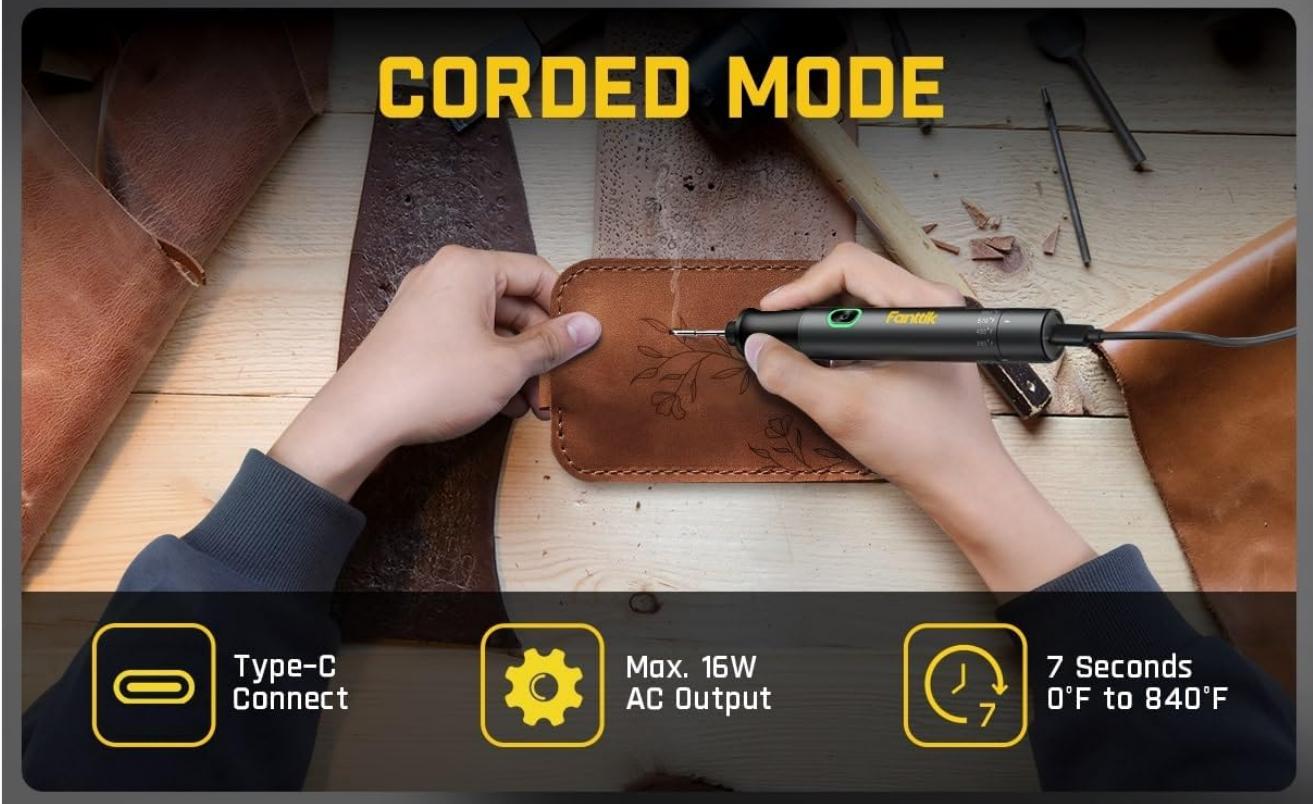
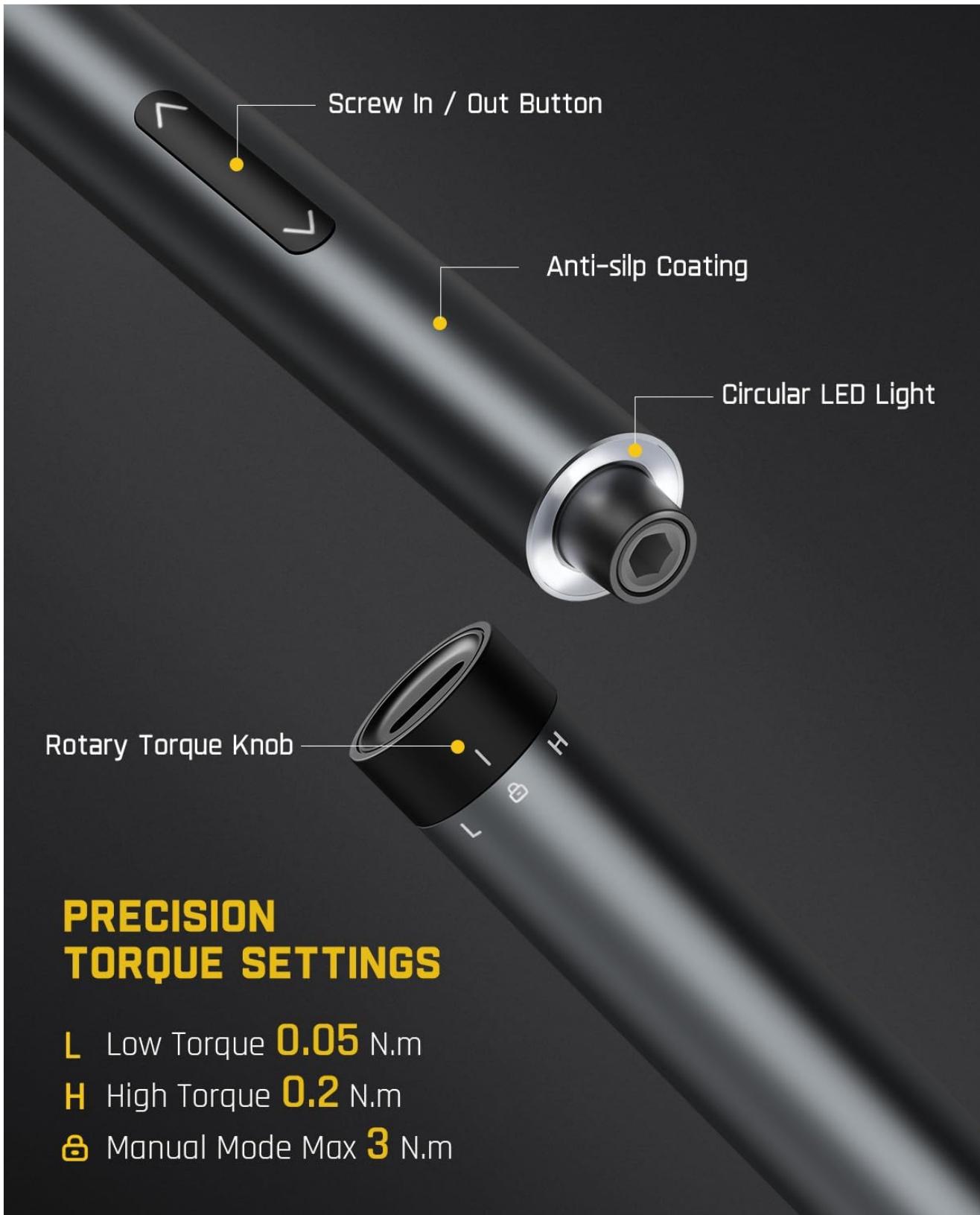


Image 4.3: Illustration of the T1 Max's wireless mode (battery-powered) and corded mode (Type-C powered) operation.

## 4.2 Faintik E1 Ultra Mini Electric Screwdriver Operation

- Torque Settings:** The E1 Ultra offers three torque modes:
  - Low Torque (L):** 0.05 N·m, suitable for delicate tasks.
  - High Torque (H):** 0.2 N·m, for general precision work.
  - Manual Mode:** Up to 3 N·m, for loosening stubborn screws before electric mode.



## PRECISION TORQUE SETTINGS

**L** Low Torque **0.05** N.m

**H** High Torque **0.2** N.m

**🔒** Manual Mode Max **3** N.m

Image 4.4: Close-up of the E1 Ultra screwdriver, highlighting the rotary torque knob and its precision settings (Low, High, Manual).

2. **Screw In/Out:** Use the designated screw in/out buttons to operate the screwdriver. The speed is independent of the torque setting.
3. **Application:** The E1 Ultra is designed for precision repair tasks on electronic devices such as smartphones, laptops, cameras, and drones.

# FOR PRECISION REPAIR ONLY



Computer motherboard



Mobile phone



Camera



keyboard

Image 4.5: The E1 Ultra electric screwdriver being used for precision repairs on various electronic devices, including computer motherboards, mobile phones, cameras, and keyboards.

## 5. MAINTENANCE

### 5.1 Fanttik T1 Max Soldering Iron Maintenance

- **Tip Cleaning:** Regularly clean the soldering tip using the included sponge or brass wool to remove excess solder and oxidation. A clean tip ensures efficient heat transfer.
- **Tinning:** After cleaning and before storage, apply a small amount of solder to the tip (tinning) to prevent oxidation and

prolong tip life.

- **Storage:** Store the soldering iron in a dry, safe place, preferably in its original packaging or a protective case, with the tip removed or properly tinned.

## 5.2 Fanttik E1 Ultra Mini Electric Screwdriver Maintenance

- **Bit Care:** Keep the S2 steel bits clean and free from debris. Store them securely in the RevoStor™ system to prevent loss or damage.
- **Cleaning:** Wipe the screwdriver body with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- **Charging:** Recharge the screwdriver when the battery is low to ensure it is ready for use. Avoid over-discharging for optimal battery life.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
T1 Max not heating up	Low battery; Loose tip; Power issue	Charge the device; Re-insert tip securely; Check Type-C connection.
T1 Max heats slowly or unevenly	Dirty/oxidized tip; Incorrect temperature setting	Clean and tin the tip; Adjust to a higher temperature.
E1 Ultra screwdriver not turning	Low battery; Bit not inserted correctly	Charge the device; Ensure bit is fully seated.
E1 Ultra struggles with screws	Incorrect torque setting; Stripped screw head; Bit wear	Switch to High Torque or Manual Mode; Use a different bit; Replace worn bits.

## 7. SPECIFICATIONS

### 7.1 Fanttik T1 Max Soldering Iron

- **Battery Capacity:** 2600mAh
- **DC Output (Wireless):** Max 11W
- **AC Output (Corded):** Max 16W
- **Working Time (Wireless):** Up to 60 minutes (at 840°F/450°C)
- **Temperature Range:** 390°F - 840°F (200°C - 450°C)
- **Heating Time:** As fast as 7 seconds (0°F to 840°F)
- **Tips:** C210 series (I, IS, 2x K)

### 7.2 Fanttik E1 Ultra Mini Electric Screwdriver

- **Motor:** 200 RPM Hollow Cup Motor
- **Low Torque:** 0.05 N·m
- **High Torque:** 0.2 N·m
- **Manual Torque:** Max 3 N·m
- **Bits:** 50 S2 Steel Precision Bits
- **Storage:** Internal rotating storage chamber (RevoStor™)

## 8. SAFETY INFORMATION

- Always wear appropriate personal protective equipment, including safety glasses, when operating the soldering iron.

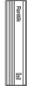
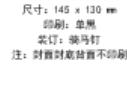
- The soldering iron tip reaches very high temperatures. Avoid direct contact with skin or flammable materials.
- Ensure adequate ventilation when soldering to avoid inhaling fumes.
- Keep both tools out of reach of children.
- Do not use the tools in wet conditions or near flammable liquids or gases.
- Only use the provided charging cables and compatible power sources.
- Do not attempt to disassemble or modify the tools.

## 9. WARRANTY AND SUPPORT

Fanttik products are designed and manufactured to the highest quality standards. For information regarding warranty coverage, technical support, or service, please refer to the warranty card included with your product or visit the official Fanttik website. Please have your product model and purchase date available when contacting support.

For further assistance, you may also contact your retailer.

## Related Documents - T1 Max & E1 Ultra

 <b>Fanttik</b> <b>NEX T1 Max</b> Precision Soldering Iron Kit User Manual Please read the instruction manual carefully before use and keep for future reference.	<a href="#"><b>Fanttik NEX T1 Max Precision Soldering Iron Kit User Manual</b></a> Comprehensive user manual for the Fanttik NEX T1 Max Precision Soldering Iron Kit, covering safety warnings, product overview, operation instructions, specifications, and troubleshooting guide.
 <b>Fanttik</b> <b>NEX T1 Max</b> Cordless Precision Soldering Iron Kit User Manual Please read the instruction manual carefully before use and keep for future reference.	<a href="#"><b>Fanttik NEX T1 Max Precision Soldering Iron Kit User Manual</b></a> User manual for the Fanttik NEX T1 Max cordless precision soldering iron kit, covering safety warnings, product overview, operation, specifications, and troubleshooting.
 <b>Fanttik</b> <b>NEX XS Max</b> Screwdriver Kit User Manual Please read the instruction manual carefully before use and keep for future reference.	<a href="#"><b>Fanttik NEX XS Max Screwdriver Kit User Manual</b></a> User manual for the Fanttik NEX XS Max Screwdriver Kit, detailing product overview, usage instructions, specifications, screwdriver bit parameters, and important safety precautions.
 <b>Fanttik</b> <b>E1 Max</b> Electric Screwdriver User Manual Please read the instruction manual carefully before use and keep for future reference.	<a href="#"><b>Fanttik E1 Max Electric Screwdriver User Manual</b></a> User manual for the Fanttik E1 Max electric screwdriver, a mini precision screwdriver set with 50 magnetic bits, magnetic storage, and 5/32" hex drive, suitable for electronics repair.
 <b>Fanttik</b> <b>NEX L1 Pro</b> Cordless Screwdriver 3.6V User Manual Please read the instruction manual carefully before use and keep for future reference.	<a href="#"><b>Fanttik NEX L1 Pro Cordless Screwdriver 3.6V User Manual and Safety Guide</b></a> Comprehensive user manual for the Fanttik NEX L1 Pro Cordless Screwdriver 3.6V, covering product features, operation, safety, technical specifications, maintenance, and warranty.
 <b>Fanttik</b> <b>NEX E1 Ultra</b> Electric Precision Screwdriver Kit User Manual Please read the instruction manual carefully before use and keep for future reference.	<a href="#"><b>Fanttik NEX E1 Ultra Electric Precision Screwdriver Kit User Manual</b></a> User manual for the Fanttik NEX E1 Ultra Electric Precision Screwdriver Kit, providing detailed instructions on safety, product overview, storage, usage, and specifications.

