

Treedix TRX5-0865

Treedix USB Cable Tester User Manual

Model: TRX5-0865

1. INTRODUCTION

The Treedix USB Cable Tester is a compact and reliable tool designed for quickly assessing the functionality and connection status of various USB cables. It provides fast detection for common cable faults such as short circuits and open circuits, making it an essential device for electronics repair, device debugging, and quality inspection.

This manual provides detailed instructions on how to set up, operate, and maintain your Treedix USB Cable Tester to ensure accurate and efficient cable testing.

2. KEY FEATURES

- **Wide Compatibility:** Supports a broad range of USB cable types, including Type-B 2.0, Type-C 3.0 (Type-C 3.1/Type-C 3.2), Micro-B 3.0, Micro-B 2.0, Mini-B 2.0, and Lightning cables.
- **Efficient Testing:** Quickly identifies cable abnormalities across multiple interfaces.
- **Dual Power Options:** Can be powered by a CR2032 button battery or via a Type-C port.
- **Accurate Display:** Features 24 clear LED indicators that show real-time pin status. A lit LED indicates a good connection, while an unlit LED indicates a fault (e.g., short circuit, open circuit).
- **Portable & Durable:** Constructed with high-quality plastic shells and a compact design, making it easy to carry and suitable for on-the-go testing.

3. PACKAGE CONTENTS

Upon opening the package, please verify that all items are present and in good condition:

- 1 x Treedix USB Cable Tester
- 1 x User Manual (this document)

4. SETUP

The Treedix USB Cable Tester offers flexible power options for your convenience.

Two Methods of Power Supply

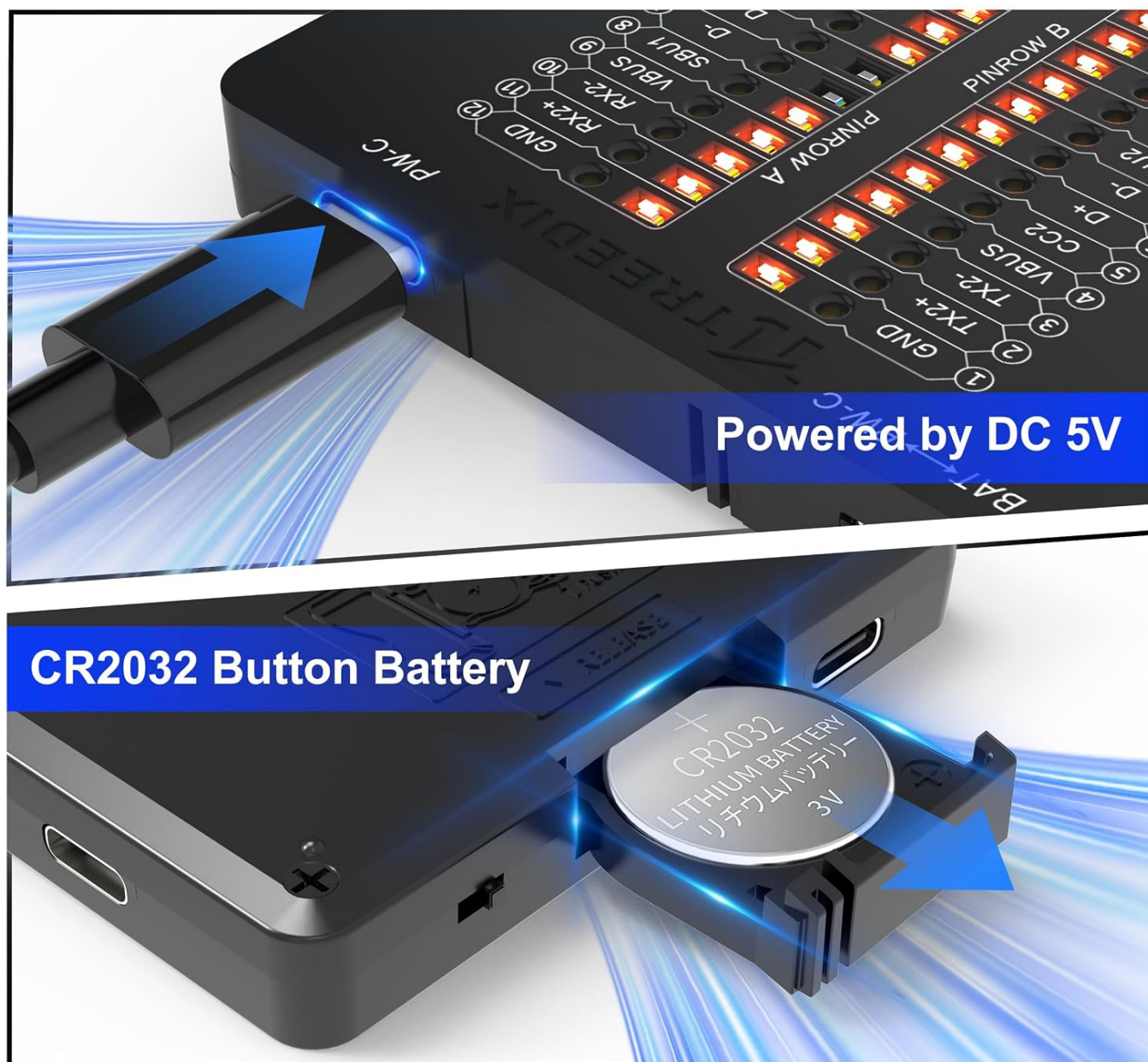


Image: The Treedix USB Cable Tester illustrating its dual power supply options: via a USB Type-C port (DC 5V) and a CR2032 button battery.

You can power the tester using one of the following methods:

1. **CR2032 Button Battery:** Locate the battery compartment on the side of the tester. Insert a CR2032 button battery, ensuring the positive (+) side faces upwards.
2. **Type-C Port (DC 5V):** Connect a standard USB Type-C cable to the Type-C power input port on the tester. Connect the other end of the cable to a 5V USB power source (e.g., a wall adapter, power bank, or computer USB port).

The device will automatically power on once a power source is connected.

5. OPERATING INSTRUCTIONS

The Treedix USB Cable Tester is designed for intuitive operation. Follow these steps to test your USB cables:

USB Cable Tester Pinouts

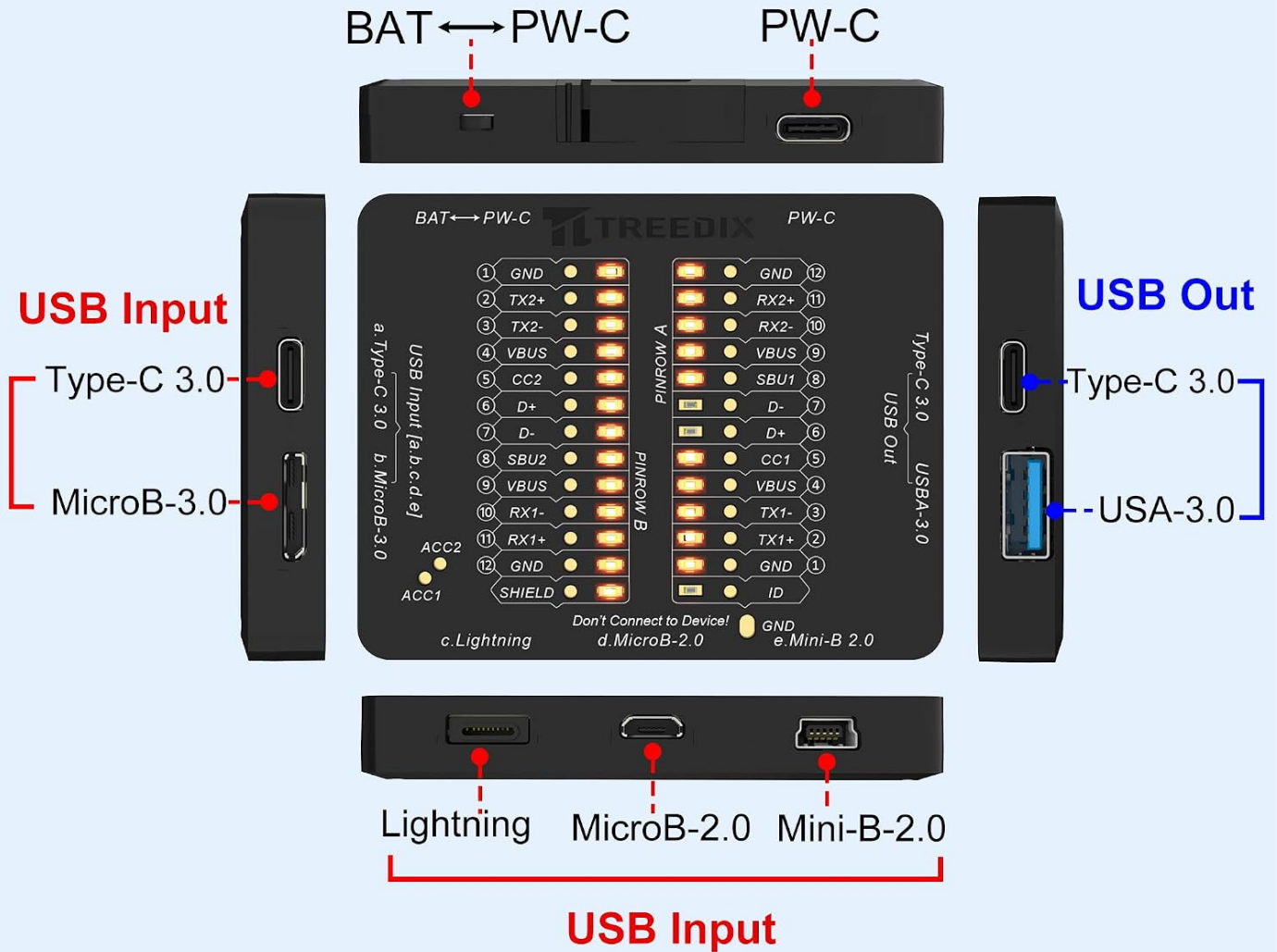


Image: A close-up view of the Treedix USB Cable Tester, highlighting the various USB input/output ports and the detailed pinout diagram with corresponding LED indicators for each pin.

The tester features 24 LED indicators, each corresponding to a specific pin or connection point within the USB cable. These LEDs provide real-time feedback on the cable's integrity:

- **Lit LED:** Indicates a good, continuous connection for that specific pin.
- **Unlit LED:** Indicates a fault, such as an open circuit (broken wire) or a short circuit (unintended connection between pins).

5.2 Testing a USB Cable

Professional Tool for 🔧 Electronics Repair



Image: A user demonstrating the Treedix USB Cable Tester in action, with a USB-C cable plugged in and the LED indicators showing connection status.

To test a USB cable:

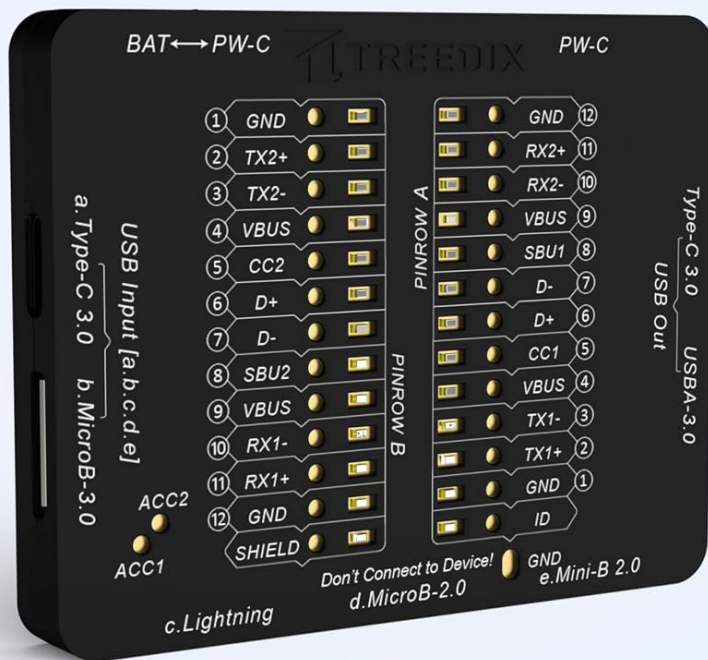
1. Ensure the tester is powered on.
2. Plug one end of the USB cable to be tested into the appropriate **USB Input** port on the tester (e.g., Type-C 3.0, Micro-B 3.0, Lightning, Micro-B 2.0, Mini-B 2.0).
3. Plug the other end of the USB cable into the corresponding **USB Output** port on the tester (e.g., Type-C 3.0, USB-A 3.0).
4. Observe the LED indicators on the tester.
5. **For a fully functional cable:** All relevant LEDs for the connected pins should light up.
6. **For a faulty cable:** If an LED does not light up, it indicates an open circuit on that specific pin. If multiple LEDs light up unexpectedly or in an unusual pattern, it may indicate a short circuit between pins.

Refer to the pinout diagram on the tester itself for detailed mapping of LEDs to specific cable pins.

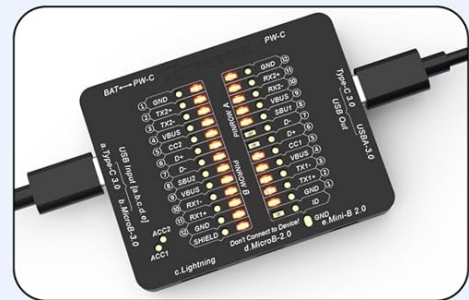
6. COMPATIBILITY

The Treedix USB Cable Tester is designed to be compatible with a wide array of USB cable types, ensuring versatility for various testing needs.

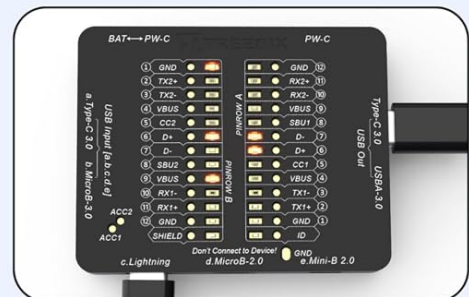
Supports Multiple Types of Interfaces



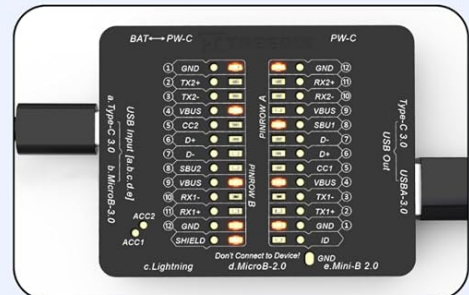
« You only need to plug the two ends of the USB cable to be tested into the corresponding connectors, and the LED indicators will display the functionality and connection status of the USB cable.



USB Type C to Type C



USB Type C to Lightning



USB Type C to Type A

Image: An illustration detailing the comprehensive compatibility of the Treedix USB Cable Tester with various USB cable standards, including Type-C, Micro B 3.0, Lightning, Micro B 2.0, Mini B 2.0, and Type A.

Supported cable types include:

- USB Type-C 3.0 (also compatible with Type-C 3.1/3.2)
- USB Micro-B 3.0
- Lightning (Apple proprietary connector)
- USB Micro-B 2.0
- USB Mini-B 2.0
- USB Type-A (via Type-A to other connector cables)

7. SPECIFICATIONS

Attribute	Detail
Model Number	TRX5-0865
Dimensions	73.5mm x 58mm
Power Supply	CR2032 button battery or Type-C port (DC 5V)
LED Indicators	24 clear LEDs for pin status
Supported Cable Types	Type-B 2.0, Type-C 3.0 (3.1/3.2), Micro-B 3.0, Micro-B 2.0, Mini-B 2.0, Lightning
Material	High-quality plastic shells
Country of Origin	China
UPC	644197775589

8. MAINTENANCE

To ensure the longevity and optimal performance of your Treedix USB Cable Tester, please follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or solvents, as they may damage the plastic or internal components.
- **Storage:** Store the tester in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- **Battery Replacement:** If using the CR2032 button battery, replace it when the LED indicators appear dim or the device does not power on reliably. Ensure proper polarity when inserting a new battery.
- **Handle with Care:** Avoid dropping the device or subjecting it to strong impacts, which could damage the internal circuitry or connectors.

9. TROUBLESHOOTING

If you encounter issues while using your Treedix USB Cable Tester, refer to the following common problems and solutions:

- **Device does not power on:**
 - Check if the CR2032 battery is correctly inserted and has sufficient charge. Replace if necessary.
 - If using Type-C power, ensure the cable is securely connected to a working 5V USB power source. Try a different Type-C cable or power source.
- **LEDs do not light up for a known good cable:**
 - Ensure the cable is fully inserted into both the input and output ports.
 - Verify that you are using the correct input and output ports for the specific cable type.
 - Test with another known good cable to rule out an issue with the tester itself.
- **Incorrect LED patterns (e.g., unexpected lights, flickering):**
 - This usually indicates a short circuit within the cable. The tester is functioning correctly by identifying the fault.

- Ensure no debris or foreign objects are in the tester's ports.

- **Tester seems unresponsive:**

- Disconnect and reconnect the power source.
- If using battery power, remove the battery, wait a few seconds, and reinsert it.

If the problem persists after trying these steps, please contact customer support.

10. WARRANTY AND SUPPORT

Treedix products are manufactured to high-quality standards. For information regarding warranty coverage, technical support, or service inquiries, please contact Treedix directly.

Contact Information:

Email: contact@treedix.com

Please have your product model number (TRX5-0865) and purchase details ready when contacting support.

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For more information, visit [Treedix on Amazon](#)

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