

WYLIE Ibridge A3

Qianli iBridge A3 Digital Tester User Manual

Brand: WYLIE | Model: Ibridge A3

1. INTRODUCTION

The Qianli iBridge A3 is a professional-grade digital tester designed for comprehensive analysis of mobile device interfaces. It supports both Lightning and Type-C connections, making it a versatile tool for diagnosing voltage, current, and pin functionality in iPhone and Android devices. This manual provides detailed instructions for setting up, operating, and maintaining your iBridge A3 tester.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1x Qianli iBridge A3 Digital Tester (Lightning and Type-C Interface Analysis Tool)
- 1x WYLIE Name Card (PVC fine frosted plastic material removing screen functional card)
- 1x WYLIE WL-5A Solder paste scraper (non-destructive tin scraping slice)
- 1x Pair of WYLIE ESD BGA repair soldering anti-skid carbon fiber gloves
- 1x WYLIE K1 blade durable screen opener (with 5 different depth corners)



Image: The Qianli iBridge A3 Digital Tester shown with its accompanying accessories, including ESD gloves and a screen opener tool.

3. PRODUCT FEATURES

- **Dual Compatibility:** Supports both Lightning and Type-C interfaces for comprehensive testing of mobile device connections and voltage/current analysis.
- **Auto-Scan Feature:** Intelligent auto-detection and interface rotation capabilities for quick and accurate tail plug testing.
- **Digital Display:** High-precision digital readout shows real-time voltage and current measurements for detailed diagnostics.
- **Comprehensive Testing:** Performs thorough analysis of tail plug connections, including voltage, current, and pin functionality verification.
- **Professional Tool Set:** Includes durable screen opener and protective gloves for complete mobile device repair capabilities.

Support Lightning and Type-C interface devices



Image: The iBridge A3 tester highlighting its Lightning and Type-C interface ports, demonstrating its dual compatibility for various mobile devices.

4. SETUP AND INITIAL USE

4.1 Powering On

The Qianli iBridge A3 is powered via USB. Connect the device to a suitable USB power source using a compatible cable. The digital display will illuminate upon successful power-on.

4.2 Connecting a Device for Testing

Identify the appropriate interface (Lightning or Type-C) for the mobile device you wish to test. Carefully insert the device's tail plug into the corresponding port on the iBridge A3 tester. Ensure a secure connection for accurate readings.



Image: The iBridge A3 tester actively connected to a mobile device, showcasing its digital display with real-time voltage and current measurements during a comprehensive analysis.

5. OPERATING INSTRUCTIONS

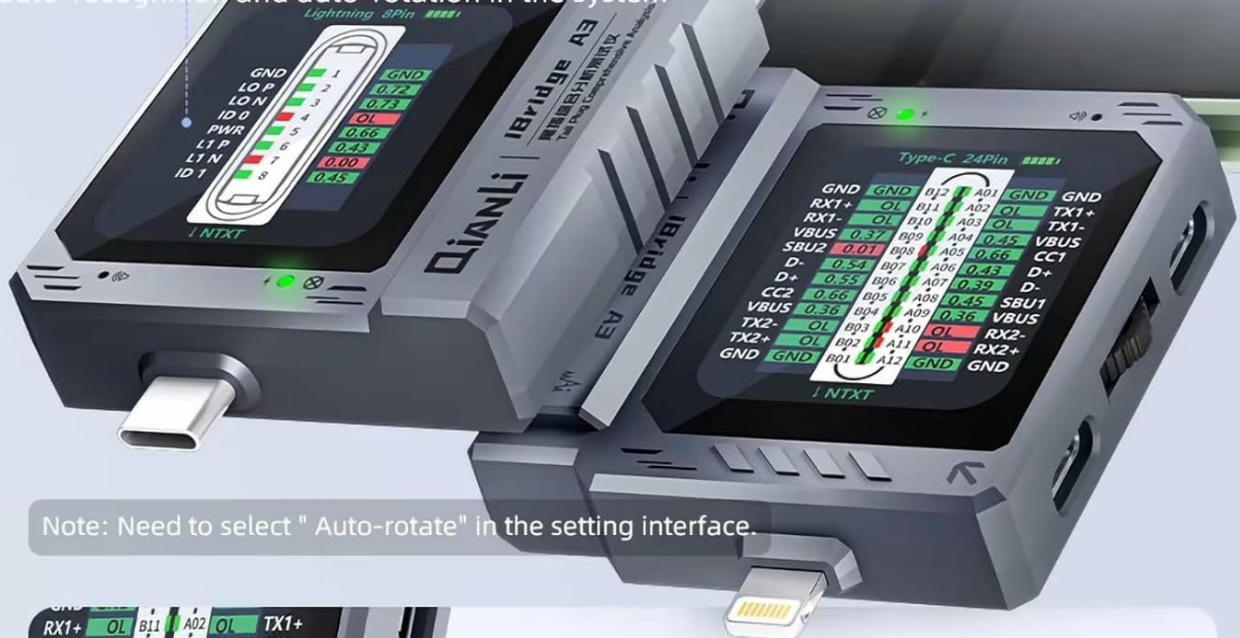
5.1 Automatic Detection and Interface Rotation

The iBridge A3 features an auto-scan function that automatically detects the tail plug configuration and interface orientation. This streamlines the testing process by eliminating the need for manual selection. Ensure "Auto-rotate" is enabled in the settings interface if you wish to utilize this feature.

Auto scan to detect the tail plug

Auto-recognize and interface rotate

it will start to test automatically and can set auto-recognition and auto-rotation in the system



Note: Need to select "Auto-rotate" in the setting interface.



Auto-detection and press the switch to retest

Test...

Press the switch once and wait for retest

Image: The iBridge A3 tester illustrating its auto-scan capability, which automatically recognizes and adjusts to the connected device's interface and orientation for efficient testing.

5.2 Reading the Digital Display

The high-precision digital display provides real-time data for voltage, current, and pin mapping. The display will show detailed information for both Type-C (24-pin) and Lightning (8-pin) interfaces, indicating the status and values for each pin.

Toggle switch/pressing button

The diagram illustrates the functionality of a USB-C to Lightning adapter, showing four main screens accessible via a toggle switch/pressing button.

Type-C 24Pin

Pin	Signal	Value
B12	GND	
B11	OL	
B10	OL	
B09	0.37	
B08	0.01	
B07	0.54	
B06	0.55	
B05	0.66	
B04	0.36	
B03	OL	
B02	OL	
B01	GND	
A01	GND	
A02	OL	
A03	OL	
A04	0.45	
A05	0.66	
A06	0.43	
A07	0.39	
A08	0.45	
A09	0.36	
A10	OL	
A11	OL	
A12	GND	

Lightning 8Pin

Pin	Signal	Value
1	GND	
2	0.72	
3	0.73	
4	OL	
5	0.66	
6	0.43	
7	0.00	
8	0.45	

Power 供电监控

Parameter	Value	Unit
VBUS	04.988 2	V
IBUS	0.265 11	A
PWR	0.132 24	W

Additional readings: 29°C, CC1 0.075V, CC2 3.231V

设置 (Settings)

- 显示 (Display)
- 语言 Language (Language)
- 恢复出厂 (Factory Reset)
- 关于 (About)

返回 (Return)

5.3 Current and Voltage Detection (Type-C)

For Type-C interface devices, the iBridge A3 can monitor current, voltage, D+, D-, CC1, and CC2 lines. Once connected, the device will automatically begin detecting these parameters.

Easily monitor Type-C ports to detect current

Once the product is connected to the device to be tested, it will start to detect the current, voltage, D+, D-, CC1, CC2 lines.



Port for current and voltage detection

This function is only available for Type-C interface device



Charging port

The interface will support connecting the PC software soon

Image: The iBridge A3 tester connected to a Type-C device, demonstrating its ability to monitor current, voltage, and other line parameters. This feature is specific to Type-C interfaces.

5.4 Retesting

To retest a connection or device, simply press the designated switch on the tester. The device will initiate a new test cycle.

5.5 Using Included Tools

The package includes additional tools to assist with mobile device repair:

- **WYLIE ESD Gloves:** Wear these anti-skid carbon fiber gloves to protect sensitive electronic components from electrostatic discharge during repair.
- **WYLIE K1 Blade Durable Screen Opener:** Use this tool for safely prying open mobile device screens. Follow the steps below for proper usage.

USE STEPS



Image: A visual guide demonstrating the three steps for using the WYLIE K1 blade screen opener to safely disassemble mobile device screens.



Image: A composite image showcasing the WYLIE ESD gloves and the WYLIE K1 blade durable screen opener, essential tools for mobile device repair.

6. MAINTENANCE

To ensure the longevity and accuracy of your Qianli iBridge A3 Digital Tester, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid using abrasive cleaners or solvents that could damage the display or casing.
- **Storage:** Store the tester in a cool, dry place, away from direct sunlight and extreme temperatures. Keep it in its original packaging or a protective case when not in use.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts, which could damage internal components.
- **Interface Protection:** When not in use, consider using dust caps or covers for the Lightning and Type-C ports to prevent dust and debris accumulation.

7. TROUBLESHOOTING

If you encounter issues with your Qianli iBridge A3 Digital Tester, refer to the following common troubleshooting steps:

- **Device Not Powering On:**
 - Ensure the USB power source is active and providing sufficient power.
 - Check the USB cable for any damage and try a different cable if necessary.
- **No Readings or Incorrect Readings:**
 - Verify that the mobile device's tail plug is fully and correctly inserted into the iBridge A3's port.
 - Ensure the mobile device is powered on and functioning correctly.
 - Try retesting by pressing the retest switch.
 - Check for any debris or damage in the iBridge A3's ports or the mobile device's tail plug.
- **Auto-Scan Not Working:**
 - Navigate to the settings menu on the iBridge A3 and ensure the "Auto-rotate" or "Auto-scan" feature is enabled.
- **Display Issues:**
 - If the display is dim or flickering, ensure stable power supply.
 - If the display is frozen, try disconnecting and reconnecting the power.

If these steps do not resolve the issue, please contact customer support.

8. SPECIFICATIONS

Feature	Detail
Model Number	Ibridge A3
Brand	WYLIE
Product Dimensions	4 x 3.5 x 1.5 inches
Item Weight	3.5 Ounces
Power Source	USB
Color	Black
Interface Compatibility	Lightning, Type-C

9. WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the warranty card included with your purchase or contact the seller directly. For technical support or further assistance, please reach out to the manufacturer, WYLIE, or your point of purchase.

Manufacturer: Wylie

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

Answered questions about this manual

What software needs to be downloaded for the PC to use the WYLIE Qianli iBridge A3 Digital Tester?

Based on the provided manual for the WYLIE Qianli iBridge A3 Digital Tester, there is no mention of a required PC software download. The device is designed to function as a standalone hardware tool...

[Read full answer](#)