

Mastech P-GL-MS68 Sereies

MASTECH MS6810 MS6811 MS6812A MS6813 MS6818 Network Cable Tester Series

USER MANUAL

1. Introduction

This user manual provides detailed instructions for the operation, maintenance, and troubleshooting of the MASTECH MS6810, MS6811, MS6812A, MS6813, and MS6818 Network Cable Tester series. These versatile devices are designed for professional network cable testing, offering comprehensive functionality for various cable types and network standards. Please read this manual thoroughly before using the device to ensure safe and efficient operation.

2. Safety Information

Always adhere to the following safety precautions to prevent injury or damage to the device:

- Do not attempt to repair or modify the device. Refer all servicing to qualified personnel.
- Do not expose the device to moisture or extreme temperatures.
- Ensure batteries are inserted with correct polarity.
- Remove batteries if the device will not be used for an extended period.
- Use only the specified battery type.

3. Product Overview

The MASTECH Network Cable Tester is a compact and easy-to-use device designed for quick and accurate testing of network and telephone cables. It features LED indicators for clear fault display and high-speed testing capabilities.



This image is a placeholder and does not depict the actual MASTECH Network Cable Tester. It shows the text 'No image available' with the Amazon smile logo below it.

4. Setup

4.1 Battery Installation

1. Locate the battery compartment on the back of the device.

2. Open the battery compartment cover.
3. Insert 2 Lithium Polymer batteries, ensuring correct polarity (+/-). The batteries are included with the product.
4. Close the battery compartment cover securely.

5. Operating Instructions

5.1 Basic Operation

Connect the cable to be tested to the appropriate ports on the main unit and the remote unit (if applicable). Turn on the device. The tester will automatically begin checking the cable for various faults.

5.2 Cable Testing Modes

The MASTECH Network Cable Tester supports testing for a variety of cable types and configurations:

- **Coaxial Cable (BNC):** Connect BNC cables to the designated ports for continuity and short circuit testing.
- **10Base-T:** Test Ethernet cables conforming to the 10Base-T standard.
- **EIA/TIA-568A and EIA/TIA-568B:** Verify the correct wiring configuration for standard T568A and T568B Ethernet cables.
- **AT&T258A:** Test cables wired according to the AT&T258A standard.
- **Token Ring Cable:** Check the integrity of Token Ring network cables.

The device automatically checks for open circuits, shorts, miswires, and reversals. It also includes SHIELD detection for shielded cables. LED lights on the tester indicate the status of each wire pair and highlight any detected faults, providing an easy-to-read fault display.

6. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries when the low battery indicator appears or if the device does not power on. Follow the battery installation steps in Section 4.1.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures. Remove batteries if storing for extended periods.

7. Troubleshooting

Refer to the table below for common issues and their solutions:

Problem	Possible Cause	Solution
Device does not power on	Low or dead batteries; Incorrect battery installation	Replace batteries; Ensure correct polarity
Inaccurate test results	Poor cable connection; Damaged cable; Device malfunction	Ensure cables are securely connected; Test with a known good cable; Contact support if issue persists
LED indicators not lighting up	No power; Faulty LED; Open circuit in cable	Check batteries; Test a different cable; Contact support

8. Specifications

Feature	Detail
Model Number	P-GL-MS68 Sereies
Product Dimensions	6.3 x 3.54 x 1.97 inches
Item Weight	1.1 Pounds (0.5 Kilograms)
Batteries	2 Lithium Polymer batteries (included)
Power Source	Battery Powered
Color	Green
Manufacturer	MASTECH/MGL

9. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or contact the manufacturer directly. The manufacturer of this product is MASTECH/MGL.

For further assistance, you may visit the official Mastech website or contact their customer service department.