

MILLENIUM MCT-10

Millenium MCT-10 Cable Tester User Manual

Model: MCT-10 | Brand: MILLENIUM

1. INTRODUCTION

The Millenium MCT-10 Cable Tester is a versatile and essential tool designed for quickly and accurately testing various audio and data cables. It supports a wide range of connector types, including XLR, TRS Jack, Phono, DIN, and SpeakON, making it ideal for musicians, audio engineers, and IT professionals. This manual provides detailed instructions on the setup, operation, maintenance, and troubleshooting of your MCT-10 Cable Tester.

2. SAFETY INFORMATION

Please read and understand all safety instructions before operating the device. Keep this manual for future reference.

- Do not expose the device to water or excessive moisture.
- Avoid dropping or subjecting the device to strong impacts.
- Do not attempt to open or modify the device. Refer all servicing to qualified personnel.
- Use only the specified battery type and ensure correct polarity during installation.
- Remove batteries if the device will not be used for an extended period.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Millenium MCT-10 Cable Tester unit
- Two test leads with banana plugs and alligator clips (red and black)
- User Manual (this document)



Figure 3.1: Millenium MCT-10 Cable Tester with its two included test leads.

4. PRODUCT OVERVIEW

The MCT-10 features a robust design with multiple input/output ports and intuitive indicators for efficient cable testing.



Figure 4.1: Top panel layout of the MCT-10 Cable Tester.

4.1. Controls and Indicators

- **Rotary Switch:** Selects the pin to be tested (1-5).
- **LED Indicators (1-5):** Illuminate to show corresponding pins connected.
- **Ground LED:** Illuminates to indicate a connection (short circuit) from a pin to the shell/ground.
- **Battery Check LED:** Illuminates when the rotary switch is fully clockwise, indicating a charged battery.

4.2. Connector Types

The MCT-10 supports the following connector types for testing:

- **XLR:** Male and Female (3-pin)
- **TRS Jack:** 6.35mm (1/4 inch)
- **Phono (RCA):** Standard RCA connectors
- **DIN:** 3-pin, 5-pin, 7-pin, 8-pin (MIDI, etc.)
- **SpeakON:** 4-pole
- **Banana Jacks:** For continuity testing with included leads.

5. SETUP

5.1. Battery Installation

The MCT-10 requires a 9V battery (not included) for operation. The battery compartment is located on the bottom of the unit.

1. Locate the battery compartment cover on the bottom of the unit.
2. Lift the cover to withdraw it.
3. Connect a 9V battery to the battery clip, ensuring correct polarity (+ to + and - to -).
4. Place the battery into the compartment and replace the cover, ensuring it clicks securely into place.



Figure 5.1: Battery compartment on the underside of the MCT-10.

6. OPERATING INSTRUCTIONS

The MCT-10 allows for comprehensive testing of various cable types. Always ensure the cable is disconnected from all

equipment before testing.

6.1. Standard Cable Testing (XLR, TRS, Phono, DIN, SpeakON)

1. Connect one end of the cable to be tested into the corresponding input port on one side of the MCT-10.
2. Connect the other end of the cable into the corresponding output port on the opposite side of the MCT-10. For example, an XLR male connector into the XLR female port, and an XLR female connector into the XLR male port.
3. Rotate the rotary switch clockwise, cycling through pins 1 to 5.
4. Observe the LED indicators:
 - A pair of LEDs (e.g., '1' on the left and '1' on the right) will illuminate simultaneously if the corresponding pins are connected correctly.
 - If a pin is short-circuited to the shell/ground, the "Ground" LED will illuminate along with the corresponding pin LED.
 - If an LED does not illuminate for a specific pin, it indicates an open circuit (broken wire) for that pin.
 - If unexpected LEDs illuminate, it indicates a short circuit between pins.

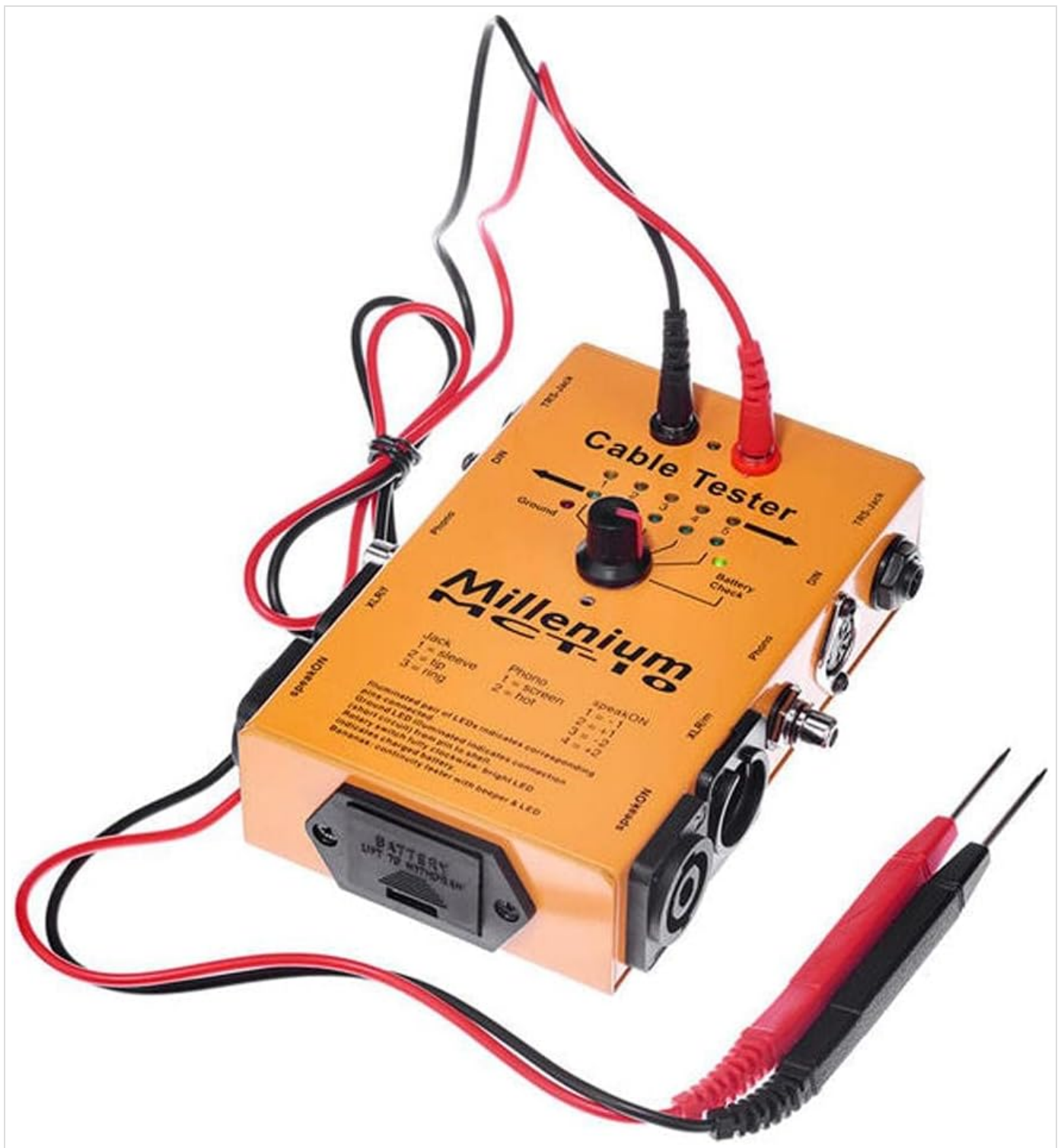


Figure 6.1: MCT-10 in operation, testing a cable.

6.2. Continuity Testing with Banana Jacks

The MCT-10 can also be used as a basic continuity tester for individual wires or components using the included test leads.

1. Insert the banana plugs of the red and black test leads into the corresponding banana jacks on the MCT-10.
2. Touch the alligator clips to the two points you wish to test for continuity.
3. If there is continuity (a complete circuit), the "Battery Check" LED will illuminate, and an audible beeper will sound.

6.3. Battery Check Function

To check the battery level of the MCT-10:

1. Rotate the rotary switch fully clockwise to the "Battery Check" position.
2. If the "Battery Check" LED illuminates brightly, the battery has sufficient charge. If it is dim or does not illuminate, the battery needs to be replaced.

7. MAINTENANCE

7.1. Cleaning

Clean the exterior of the MCT-10 with a soft, dry cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these may damage the finish or internal components.

7.2. Storage

Store the device in a cool, dry place away from direct sunlight and extreme temperatures. If storing for an extended period, remove the battery to prevent leakage.

7.3. Battery Replacement

Replace the 9V battery when the "Battery Check" LED appears dim or does not illuminate during the battery check function, or if the unit fails to power on. Refer to Section 5.1 for battery installation instructions.

8. TROUBLESHOOTING

If you encounter issues with your MCT-10 Cable Tester, refer to the following table for common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on / No LEDs illuminate.	Dead or improperly installed battery.	Check battery polarity. Replace with a fresh 9V battery.
Incorrect pin readings / LEDs not lighting up for a good cable.	Cable not fully inserted. Rotary switch not set correctly.	Ensure cable connectors are fully seated. Rotate the switch through all positions.
"Ground" LED illuminates unexpectedly.	Short circuit between a pin and the cable's shield/ground.	The cable is faulty and needs repair or replacement.
Multiple LEDs illuminate for a single pin selection.	Short circuit between different pins within the cable.	The cable is faulty and needs repair or replacement.

9. SPECIFICATIONS

Feature	Detail
Model	MCT-10
Brand	MILLENIUM
Supported Connectors	XLR (3-pin male/female), TRS Jack (6.35mm), Phono (RCA), DIN (3, 5, 7, 8-pin), SpeakON (4-pole), Banana Jacks
Power Source	9V Battery (not included)
Indicators	LEDs for pin connection (1-5), Ground LED, Battery Check LED
Continuity Test	Visual (LED) and Audible (Beeper)

Feature	Detail
Item Weight	11 g
Manufacturer	Millenium
ASIN	B099DG1YDB
Date First Available	7 July 2021

10. WARRANTY INFORMATION

The Millenium MCT-10 Cable Tester comes with a manufacturer's warranty. For detailed information regarding warranty terms, conditions, and duration, please refer to the official Millenium website or contact your point of purchase. Keep your proof of purchase for warranty claims.

11. CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or service inquiries, please contact Millenium customer support. Contact information can typically be found on the official Millenium website or on the product packaging.