

Micro Trader EA101

Micro Traders Cable Finder Tone Generator Probe Tracer Wire Tracker Network Tester Kit

Model: EA101

INTRODUCTION

The Micro Traders Cable Finder Tone Generator Probe Tracer Wire Tracker Network Tester Kit is designed for identifying and tracing wires or cables within a group without damaging their insulation. It is an essential tool for installing, debugging, and maintaining telephone lines and other wiring systems. This kit allows for continuity detection, wire tracking, breakpoint diagnosis, tone signal reception, and identification of telephone line states (clear, ring, busy).

SAFETY INFORMATION

- **Power Off:** Always turn off power to any mains cables before using this device to prevent electrical shock or damage to the unit.
- **Battery Safety:** Ensure correct battery polarity when installing. Do not mix old and new batteries. Remove batteries if the device will not be used for an extended period.
- **Environmental Conditions:** Use and store the device within the specified working temperature and humidity ranges (-10°C to +60°C / 20%-70% humidity).
- **Intended Use:** This device is intended for low-voltage cable tracing and continuity testing. Do not use it for high-voltage applications.

PACKAGE CONTENTS



The complete Micro Traders Cable Finder Kit, including the sender, receiver, and accessories, neatly organized within its protective zippered tool pouch.

- 1 x Cable Tracker Sender (connected with 1x RJ11 cable and 2x test leads with crocodile clamp)
- 1 x Cable Tracker Receiver
- 1 x User Manual (this document)
- 1 x Zip-up Tool Pouch

PRODUCT OVERVIEW

Cable Tracker Receiver



The receiver unit, used to detect the tone signal emitted by the sender. It features a speaker for audible tone detection and an ON/OFF/TEST switch. Dimensions: approximately 238mm (length) x 43mm (width) x 26mm (thickness).

The receiver is the handheld unit used to detect the signal generated by the sender. It has a speaker to audibly indicate the presence of the tone and a sensitivity adjustment for precise tracing. The switch on the side allows you to turn the unit ON/OFF and select the TEST mode for tracing.

Cable Tracker Sender



The sender unit, which generates the tone signal. It includes an RJ11 connector and two crocodile clips for various cable connections. Indicator lights show the selected mode (Tone, Off, Cont). Dimensions: approximately 145mm (length) x 35mm (width) x 25mm (thickness).

The sender unit generates the tone signal that is injected into the cable. It comes with an attached RJ11 connector for telephone lines and two crocodile clips for connecting to individual wires or non-RJ11 cables. It has a switch to select between TONE, OFF, and CONT (Continuity) modes, indicated by LED lights.

Tool Pouch



A durable black zippered pouch designed to store and protect the cable tracker sender, receiver, and accessories. Dimensions: approximately 250mm (length) x 120mm (width).

The included zip-up tool pouch provides convenient storage and protection for the sender, receiver, and all accompanying cables and accessories, ensuring the kit remains organized and portable.

SETUP

Battery Installation

Both the sender and receiver units require 9V (6F22) batteries for operation. Batteries are not included in the package.

1. Locate the battery compartment on the back of both the sender and receiver units.
2. Slide open the battery cover.
3. Connect a 9V battery to the battery clip, ensuring correct polarity (+/-).
4. Place the battery into the compartment and close the cover securely.

Note: It is recommended to use high-quality 9V batteries for optimal performance and longevity.

OPERATING INSTRUCTIONS

1. Continuity Test

This function allows you to check if a cable or wire has a continuous electrical path, indicating no breaks.

1. Ensure the cable or wire is disconnected from any power source.
2. Connect the sender unit to the cable using either the RJ11 connector or the crocodile clips. For example, connect one crocodile clip to one end of the wire and the other clip to the other end.
3. Set the sender's switch to the **CONT** position. The "CONT" LED on the sender should illuminate if continuity is detected.
4. If the LED does not light up, there is a break in the cable or wire.

2. Wire Tracing (Tone Generation)

This function helps identify and trace a specific wire or cable within a bundle.

1. Ensure the cable or wire is disconnected from any power source.
2. Connect the sender unit to the cable you wish to trace. Use the RJ11 connector for telephone lines or the crocodile clips for other wires. For example, connect one crocodile clip to the wire and the other clip to a ground point (if applicable) or another wire in the pair.
3. Set the sender's switch to the **TONE** position. The "TONE" LED on the sender should illuminate, indicating it is generating a tone. The sender can produce either a single solid tone or a dual alternating tone.
4. Turn on the receiver unit by sliding its switch to the **TEST** position.
5. Move the receiver's probe along the cables or wires at the other end or along the path of the cable.
6. Listen for the audible tone from the receiver's speaker. The tone will be loudest when the receiver is directly over the cable connected to the sender.
7. Use the tone's intensity to pinpoint the exact cable and trace its path.

3. Telephone Line State Identification

This feature allows you to identify the status of a working telephone line.

1. Connect the RJ11 plug from the sender unit directly into the telephone line jack.
2. Observe the LEDs on the sender unit:
 - **"CLEAR" LED:** Illuminates when the line is idle (on-hook).
 - **"RING" LED:** Flashes when the line is ringing.
 - **"BUSY" LED:** Illuminates when the line is in use (off-hook).
3. This helps in debugging and maintaining telephone lines by quickly identifying their operational status.

MAINTENANCE

- **Cleaning:** Wipe the units with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries when the tone signal becomes weak or the LEDs dim. Refer to the "Battery Installation" section for instructions.
- **Storage:** Store the device in its protective pouch in a cool, dry place when not in use. Remove batteries if storing for extended periods to prevent leakage.
- **Avoid Moisture:** Do not expose the device to water or high humidity.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No tone from receiver	Batteries are dead or incorrectly installed. Sender or receiver is off. Poor connection to the cable. Cable is broken or too long/shielded.	Replace batteries; check polarity. Ensure both units are switched ON (Sender to TONE, Receiver to TEST). Verify secure connection of RJ11 or crocodile clips. Test on a known good, shorter cable.
Weak or inconsistent tone	Low batteries. Cable is heavily shielded or very long. Interference from other electrical sources.	Replace batteries. Move receiver closer to the cable; try tracing from both ends. Move away from power lines or large electrical appliances.
Continuity LED not lighting up	Break in the cable/wire. Poor connection. Sender battery low.	Inspect the cable for visible damage. Ensure crocodile clips are firmly attached. Replace sender battery.

SPECIFICATIONS

Material	Plastic shell
Working Temperature/Humidity	-10°C to +60°C / 20%-70%
Send Tone Frequency	1.5 kHz
Receive Frequency Range	100 ~ 300 kHz
Power Supply	2 x 6F22 (9V) battery (not included)
Receiver Size	238mm x 43mm x 26mm
Emitter (Sender) Size	145mm x 35mm x 25mm
Package Dimensions	10.63 x 8.66 x 1.5 inches; 8.47 ounces
Model Number	EA101
UPC	730052878608

WARRANTY AND SUPPORT

For warranty information and technical support, please contact Micro Trader customer service. Details are typically

provided with your purchase documentation or on the manufacturer's official website.
Please retain your purchase receipt for warranty claims.

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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

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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