

Result

- LED ON → Pin OK
- LED OFF → Open pin
- Flashing LEDs → Shorted pins

PoE Detection

1. Plug the cable into the bottom PoE Detect Port.

2. Observe which LEDs light up.

3. Observe LED behavior:

Flashing LED → PoE standard compliant (802.3af / at / bt)

Steady LED → Non-standard PoE compliant or direct voltage applied to pins

Left LEDs → PoE on pins 1,2 & 3,6

Right LEDs → PoE on pins 4,5 & 7,8

Both sides LEDs → PoE on all pairs

Note

This test only detects PoE presence. It does not measure voltage and power (load)..

Flashlight

- Press the flashlight button to turn the LED light ON or OFF.
- Useful for dark cabinets or ceilings.

Basic Troubleshooting

- No tone detected → Check batteries and tone generator connection.
- Weak signal → Increase sensitivity.
- Unexpected wiremap result → Re-check cable terminations.

Quick Tips for Beginners

- Always start with low sensitivity and increase slowly.
- Label cables after tracing to avoid repeat work.
- If unsure about PoE, unplug powered equipment first .



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tone tracer & remote

QUICK REFERENCE GUIDE

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Introduction

Use the Tone Tracer & Remote to: - Find the correct network cable among many cables (cable tracing) - Check if a network cable is wired correctly (wiremap test) - Identify common cable faults (open, short, crossed wires) - Quickly detect whether a cable carries PoE (Power over Ethernet) This quick reference guide is designed for first-time and beginner users.

Safety First (Read Before Use)

Note

Please read this manual carefully before use.

Warning

- Use this tool only on low-voltage network/telecom cables.
- Do NOT connect to mains power or live AC voltage.
- Disconnect powered equipment before testing cables.
- Do not touch exposed metal wires.

Install Batteries

1. Open the battery compartment in the back of the probe.
2. Insert two (2) AA batteries. (Alkaline, NMH, Li-Poly)
3. Close the compartment securely.

If the battery LED flashes red during use, replace or recharge the batteries.

Know the Main Controls

1. Sensitivity Dial / Power – Turn clockwise to power ON and adjust signal strength
2. Probe Tip – Used to detect the cable signal
3. LED 1-8 & S – Shows signal strength or wire number
4. Remote Port (UTP/STP) – Used for wiremap and pin tests
5. PoE Detect Port – Used only to check PoE voltage and pin use presence
6. Operation mode buttons - Wiremap scan, speaker mute, flash light control
7. Wiremap remote status - Indicating test results and operation mode
8. Audio Output - Used for ear phone (excluded) in noisy environment



Cable Tracing – Find the Right Cable

What You Need

- Tone Tracer & Remote
- A supported digital tone generator connected to the far end of the cable

Note

Only SecuriTEST IP (OS 11 onwards) and SignalTEK QT tone generator supported.

1. Connect the tone generator to one end of the cable.
2. Turn the Sensitivity Dial clockwise until you hear a beep.
3. Place the probe tip near the cable bundle.
4. Slowly move the probe along the cables.
5. Adjust sensitivity: Strong signal → turn dial down

Weak signal → turn dial up

How to Confirm

The correct cable will show the strongest LED signal and loudest tone.

Note

In noisy areas, use earphones or mute sound and watch LEDs only.

Wiremap Test – Check Cable Wiring

Warning

- Wiremap testing works only with SecuriTEST IP's **Cable Test or Tone Generator** mode.

1. Leave the tone generator connected at the far end of the cable.
2. Plug the near end of the cable into the Remote UTP/STP port.
3. The unit automatically scans pins 1 to 8 under scan mode.

Understand the Result

LEDs light in order → Cable is OK

Missing LED → Open wire

Two LEDs light together → Short

LEDs light out of order → Crossed wiring

Plug or Socket Pin Check (If a Fault Is Found)

Use this test to find out whether the problem is in the cable or the connector.

Important Step - After a wiremap scan completes, press the "Wiremap Scan" (multi-pin scan icon) key once to enter Plug & Socket Pin Check mode. - The **Pin Scan** LED changes from flashing to steady green, indicating under a pin check mode.

Plug Check

- Insert the cable plug directly into the Remote Port.

Socket Check

- Use a short patch cord (30 cm or less).
- Connect patch cord to Remote Port.
- Connect the other end to the wall socket.