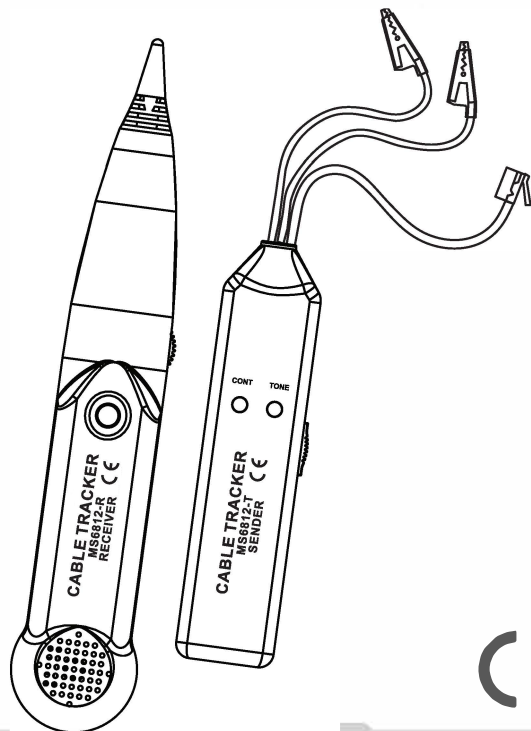


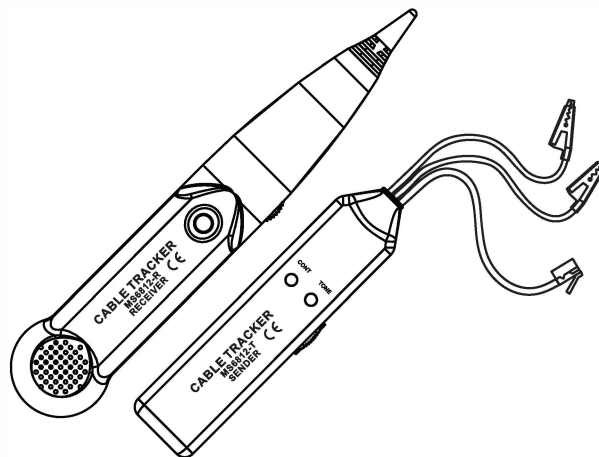
Cable Tracker User's Manual



Introduction

The Magnum Cable Tracker sends a tone down a wire to identify and trace wires or cables bunched in a group without damaging insulation. With this tracker, you can find and trace non-energized electrical wires, telephone lines, data cables, alarm cables, speaker wires, coax, thermostat wires and more.

Set includes a Sender (MS6812-T) with two alligator clips and an RJ11 plug, Receiver (MS6812-R), user manual and two 9 volt batteries.



Functions

- Test the continuity of cables or wires
- Find a cable in a bunch without damaging insulation
- Trace the tip and ring wires in telephone lines
- Identify the status (clear, busy, ringing) of working telephone lines

Warning

Do not use this tracker to test energized wires. Disconnect all power before tracking wires or testing continuity. If you're not sure, consult a qualified electrician.

Setting tone volume

Turn the dial on the Receiver to adjust tone volume

Changing tone setting

Select a dual alternating tone or a single solid tone with the switch inside the Sender (MS6812-T)

Replacing batteries

The Sender and Receiver are battery powered. Each requires one 9 volt battery (included). To change the batteries, open the panel on the back of either component, remove the old battery and replace it with a new one.

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Testing Continuity

The MS6812 can test continuity in either CONT or TONE modes

Set the Sender to CONT

- Connect a lead to each end of the wire you want to test.
- CONT LED will light up to indicate continuity (line resistance must not exceed 10 kilo-ohms)

Set the Sender to TONE

- Connect the leads to a pair of wires you want to test.
- At the other end, press and hold the button on the Receiver and touch the wand to each connected wire. The Receiver will sound a tone to indicate continuity.

Warning

Do not connect to any active AC or DC circuit in this mode

Tracking Cables

Set the Sender to TONE

- Connect the test leads to a pair of wires in a cable
- If you are tracking one wire, attach the red lead to the wire and the black lead to the ground.
- If you are tracking a telephone wire or data line, use the RJ11 lead
- At the other end, press and hold the button on the Receiver and touch the wand to each cable in the bunch until the tone sounds. This indicates that the Receiver is near the connected wire.

Warning

Do not connect to any active circuit in this mode

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Identifying the State of Working Telephone Lines

Set the Sender to OFF

Identify TIP and RING

Connect the RED lead to one line and the BLACK lead to another

- If the CONT indicator light turns green, the RED lead is connected to the RING (negative) side
- If the CONT indicator light turns red, the RED lead is connected to the TIP (positive) side

Identify CLEAR, RINGING, BUSY State on a Working Telephone Line

Connect the RED test lead to the RING side. Connect the BLACK lead to the TIP side

- Line is clear when CONT indicator turns green
- Line is busy when CONT indicator does not light up
- Line is ringing when CONT indicator light flickers bright yellow
- Switch Sender to CONT to end the call

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When not in use, switch the Sender to OFF and store the set in a dry, cool place

Keep it away from test circuitry

Do not use in a high voltage environment

Follow the user's manual at all times. Failure to do so may result in personal injury or damage to the tester

