

# WIRE TESTER - CABLE TRACKER (MASHTECH)- MS6812

- ▶ Network tester: consists of a tone generator and a probe
- ▶ Method: use the tone generator and the probe to determine where a cable is going and whether or not (and where) the cable is interrupted
- ▶ Signal viewing in 3 modes: lamp (L), speaker (SP) or both (S&L)
- ▶ Tone generator output (square waveform): single (1500Hz) or dual (1300-1500Hz)
- ▶ Comes with: soft carrying bag



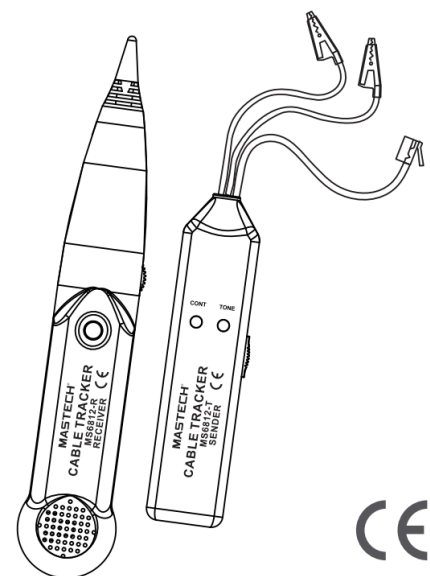
## Key Features

- Judge continuity of the cables or wires
- Track the cables or wires, and diagnose the break point
- Receive the tone signal on the cables or wires (telephone line)
- Identify the state in the working telephone line (clear, ringing, busy)
- Send a single solid or a dual alternating tone to the target cables or wires.
- Send tone frequency: 1.5kHz
- Receive frequency: 100Hz~300kHz
- Product Code: MS6812

## Specification

- Power Supply: 2×9V 6F22 Battery
- Receiver Size: 238mm×43mm×26mm / 9.4"×1.7"×1.0"
- Emitter Size: 145mm×35mm×25mm / 5.7"×1.38"×0.98"
- Receiver Weight: 71g / 0.16lb
- Emitter Weight: 87g / 0.2lb
- Certificate: CE

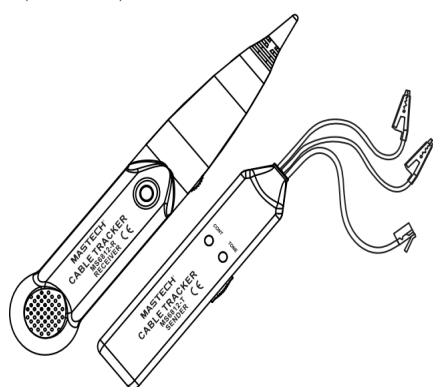
# USER'S MANUAL - MS6812



The Cable Tracker is designed to identify and trace wires or cables within a group without damaging the insulation. For telephone line, it can identify some state in the line, and more convenience to install, debug, maintain telephone line. There are a Sender (MS6812-T) and a Receiver (MS6812-R) included in The Cable Tracker.

## Functions:

- 1 Judge continuity of the cables or wires.
- 2 Track the cables or wires, and diagnose the break point.
- 3 Receiver the tone signal on the cables or wires (telephone line).
- 4 Identify the state in the working telephone line (clear, ring, busy).
- 5 Send a single solid tone or a dual alternating tone to the object cables or wires..



## Test CONTINUITY:

- 1** Use the sender (switch to "CONT"):

Connect the test leads to the subject pair. Use "CONT" position. The bright red of "CONT" indicator indicates the continuity. (line resistance not exceeding 10kΩ)

- 2** Use the sender (switch to "TONE"):

Connect the test leads to the subject pair, using the Receiver touch the wire end with clip lead, reception of tone is an indication of continuity.

**! ATTENTION: DO NOT CONNECT TO ANY ACTIVE AC OR DC CIRCUIT IN THIS MODE.**

## Send TONE:

Connect the test leads to the pair, or attach one lead to ground and one lead to either side of the line. A dual alternating tone, or a single solid tone can be selected from the switch inside the Sender (MS6812-T). Probe the suspected wires with the Receiver (MS6812-R), reception of tone will be strongest on the subject wire. In cases of ready access to bare conductors, the Receiver (MS6820-R) may be used to receive the tone.

**! ATTENTION: DO NOT CONNECT TO ANY ACTIVE AC CIRCUIT EXCEEDING 24V IN THIS MODE.**

## Track Cables or Wires:

### Use Sender (switch to "TONE") and Receiver

Connect the test leads to the pair, or attach one lead to ground and one lead to either side of the line. Using the Receiver (MS6812-R) close to and along the object pair, and reception of the tone is indication tracking.

**! ATTENTION: DO NOT CONNECT TO ANY ACTIVE CIRCUIT IN THIS MODE.**

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## Identify the state of working telephone line:

### Use Sender (switch "OFF")

#### 1- Identify TIP & RING:

Connect the RED test lead to the side of one line and the BLACK lead to the another side of line.

- a. "CONT" indicator light is "green" when you connect the RED test lead to the RING side of line.
- b. "CONT" indicator light is "red" when you connect the RED test lead to the TIP side of line.

#### 2- Identify CLEAR, RINGING, BUSY state on the working telephone line:

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

- a. "CONT" indicator light is "green", indicates a CLEAR line.
- b. "CONT" indicator does not glow, indicates a BUSY line.
- c. "CONT" indicator light brightly flickering "YELLOW", indicates a RINGING line. (Switching to "CONT" will terminate the call on the subject line).

#### 3- In cases of ready access to bare conductors, Receiver may be used to receive the tone.

## Battery Replacement:

### 1- Sender (MS6812-T) Battery replacement:

Remove the battery cabinet cover on the back of the Sender, and replace the new 9V battery.

### 2- Receiver (MS6812-R) Battery replacement:

Remove the bolt of the battery cabinet cover on the back of the Receiver, and replace the new 9V battery.

## Attention

- 1 When nonuse, take away the Sender from the test circuitry, and switch to "OFF".
- 2 Keep away from moisture.
- 3 Do not use the tester under the high voltage environment. Always follow this user's manual, otherwise it may cause the damage to the tester or personal injury.

