

Talk-N-Trace™ Communication and Tracing Set

User's Guide

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ON / RING BUTTON

When unit is off, pressing this button turns on power to talk circuitry.

When unit on, pressing this button causes the ringers on the other end(s) of the wire to ring as long as the button is held down/up to approx. 15 secretary.

Pressing this button while your set is ringing stops the ring and turns on the unit if it is off.

RJ 11/12 CONNECTOR

Talk Jack for communication

BATTERY LOW INDICATOR

This LED will light and stay on while the talk circuits are on when the battery voltage is too low.

OFF BUTTON

Pressing this button turns off the power to the talk circuitry.

HI / NORMAL SLIDE SWITCH

Adjusts the headset volume

BANANA JACK (1-RED/ 1-BLACK)

Trace Jack for locating wire

BELT CLIP

(on back of unit)

BATTERY ACCESS CAP



Warning!

Do not touch to live AC circuits. This could cause an extreme shock hazard and damage a Talk-N-Trace™.

Description

The Talk-N-Trace™ is a point-to-point, wired, full duplex, self-powered talk set. The included headset is an over-the-ear style for hands-free use. Any standard cell phone headset with 2.5mm plug can also be used. The Talk-N-Trace™ has a built in ring function that rings at the other end. Up to four (4) sets can be used on one “party” line.

Features

- Full duplex, hands-free, self powered communications
- Built-in ringer and ability to signal other end
- Compact size with belt clip, small enough to wear on belt or carry in pocket
- Auto-off after 1 hour
- Low battery indicator
- Polarity insensitive - just attach two wires
- Can be used on any two unused wires: coax, romex, UTP, STP, etc.
- RJ-11/12 jack can accept standard phone cords

Trace Features

An identification (ID) banana jack is located on the side opposite the RJ jack to facilitate the identification of wires while two Talk-N-Trace™ units are connected together by a communications pair. A standard test lead set has been included to connect the banana jacks to wires to be tested. When both ends of a wire are touched with the test leads on the Talk-N-Trace™, the ringers on both units sound indicating that the same wire has been located at both ends. The ringing continues as long as there is continuity between the two ID banana jacks. Normal conversation between the two ends continues whether or not there is a connection between the ID jacks. The Talk-N-Trace™ units must be used in pairs. One unit with a red banana jack and the other unit with a black banana jack are required.

Instructions for Use

- 1) Connect cord set provided or other cable with standard modular phone plug to jack on the side of Talk-N-Trace™. Connect headset to 2.5mm phone jack at top.
- 2) Connect Talk-N-Trace™ to wire pair to be used for connecting the two Talk-N-Trace™ sets. Polarity does not matter. If ringer sounds when Talk-N-Trace™ is connected, the wire pair is energized. Disconnect leads and use a different pair or remove power from current pair before continuing.
- 3) Connect other Talk-N-Trace™ unit(s) to other end(s) of the line. Up to four 4 Talk-N-Trace™ units may be connected on one circuit.
- 4) Press “ON” button to turn Talk-N-Trace™ on. There should be a small background hiss in the ear-piece when the unit is on. Adjust volume switch as required. Press “ON” a second time to cause ringing on other units. The ring tone continues as long as the button is held down.
- 5) Connect test leads to banana jack at

each end and locate wire end. When both probes are connected to the same wire, both ends will ring.

- 6) Turn off unit when conversation is concluded by pressing "OFF" button. Unit will turn off after approximately one hour if no button is pressed. Pressing "ON" will restore power.

Application Hints:

The side tone (feedback from the microphone to the earpiece) level will be very high if there is no Talk-N-Trace™ connected to the other end of the line (it does not matter if other Talk-N-Trace™ is on or off).

When a Talk-N-Trace™ is ringing, the ringer can be silenced by pressing the "ON" button. The Talk-N-Trace™ will also power up if it was off.

The over the ear headset provided with the Talk-N-Trace™ can be used with either ear. The microphone rotates with respect to the earpiece to be in the proper position on the left or right side.

Most cell phone headsets with a 2.5mm plug will work on the Talk-N-trace™, should the user prefer a different style headset.

Battery Installation

Before first use or when the battery low LED is on, install a 9 volt alkaline battery as follows:

- 1) Remove rubber cap from bottom of unit by peeling it off from any corner.
- 2) Unsnap battery cable from old battery.
- 3) Slide battery out of cavity and discard properly.
- 4) Install new battery by sliding the bottom end of battery into cavity.
- 5) Snap battery leads back onto battery.
- 6) Replace rubber battery cap.

Models, options & accessories

Ordering number	Description
KP110	Talk-N-Trace communication and tracing set in a nylon pouch
TM110	Talk-N-Trace communication and tracing set, two mini headsets LB40B, 48" cord set RJ11 to alligator (2), nylon pouch
LB35	Cloth braided RJ11 to angled bed-of-nails with piercing clips - 48" with strain relief
LB40B	Headset with boom microphone, mini over-the-ear, 2.5mm jack
LB45B	Headset with cushioned ear piece, full over-the-head, 2.5mm jack
TM24	24" Cable assembly, banana plug to test probes
TM48	48" Cable assembly, banana plug to test probes

Specifications

Electrical

Return Loss: >14db @ 600ohms

Cable Length: 3,000 to 5,000 ft

(Cable type dependent)

Battery life (9V Alkaline) -

Operating: 75 hours, typical

Standby: 3 years, typical

Environmental

Temperature – Operating: -10 to 60 C

Storage: -40 to 66 C

Physical

Length: 5.15 in (13.1 cm)

Width: 1.90 in (4.8 cm)

Height: 1.20 in (3.0 cm)

Weight: <5 oz (142 grams) with battery

Specifications subject to change

Customer Services

This section provides a description of customer services available through JDSU (including returns policies and procedures) and warranty information.

Customer Service (Standard Services)

Customer Service accompanies the sale of every JDSU product. Customer Service services include:

- Technical Assistance (Business Hour)
- Instrument Repair (Under Warranty Repair, Calibration Services, and Upgrade Services)
- Immediate Return Authorizations

Technical Assistance Expert business hour technical support is included with your product.

Instrument Repair Our service centers provide repair, calibration, and upgrade services for JDSU equipment. JDSU understands the impact of equipment down time on operations and is staffed to ensure a quick turnaround. Available services include the following:

Product Repair — All equipment returned for service is tested to the same rigorous standards as newly

manufactured equipment. This ensures products meet all published specifications, including any applicable product updates.

Calibration — JDSU's calibration methods are ISO approved and based on national standards.

Factory Upgrades — Any unit returned for a hardware feature enhancement will also receive applicable product updates and will be thoroughly tested, ensuring peak performance of the complete feature set.

Equipment Return Instructions Please contact your regional Technical Assistance Center to get a Return or Reference Authorization to accompany your equipment. For each piece of equipment returned for repair, attach a tag that includes the following information:

- Owner's name, address, and telephone number.
- The serial number (if applicable), product type, and model.
- Warranty status. (If you are unsure of the warranty status of your instrument, contact Technical Assistance.)
- A detailed description of the

problem or service requested.

- The name and telephone number of the person to contact regarding questions about the repair.
- The return authorization (RA) number (US customers), or reference number (European Customers).

If possible, return the equipment using the original shipping container and material. If the original container is not available, the unit should be carefully packed so that it will not be damaged in transit; when needed, appropriate packing materials can be obtained by contacting JDSU Technical Assistance. JDSU is not liable for any damage that may occur during shipping. The customer should clearly mark the JDSU-issued RA or reference number on the outside of the package and ship it prepaid and insured to JDSU.

Warranty Information

JDSU guarantees that its products will be free of all defects in material and workmanship. This warranty extends for the period of 12 months for test instruments and 3 months for cables from date of manufacture or purchase (proof of purchase required).

All product deemed defective under this warranty will be repaired or replaced at JDSU's discretion. No further warranties either implied or expressed will apply, nor will responsibility for operation of this device be assumed by JDSU.



WEEE Directive Compliance

JDSU has established processes in compliance with the Waste Electrical and Electronic Equipment (WEEE) Directive, 2002/96/EC. This product should not be disposed of as unsorted municipal waste and should be collected separately and disposed of according to your national regulations. In the European Union, all equipment purchased from JDSU after 005-08-13 can be returned for disposal at the end of its useful life. JDSU will ensure that all waste equipment returned

is reused, recycled, or disposed of in an environmentally friendly manner, and in compliance with all applicable national and international waste legislation. It is the responsibility of the equipment owner to return the equipment to JDSU for appropriate disposal. If the equipment was imported by a reseller whose name or logo is marked on the equipment, then the owner should return the equipment directly to the reseller. Instructions for returning waste equipment to JDSU can be found in the Environmental section of JDSU's web site at www.jdsu.com. If you have questions concerning disposal of your equipment, contact JDSU's WEEE Program Management team at WEEE.EMEA@jdsu.com.

Notes:

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