

Lil' Buttie Ranger™ Telephone Test Set



Key Features

- Provides DSL-safe operation
- Views and stores digits as dial-out is in progress
- Identifies inbound and outbound lines
- Senses under- and over-voltage conditions
- Detects and displays caller ID and call waiting caller ID
- Alphanumeric LCD with icon flags
- Hands-free operation even with hard hat on
- Eliminates popping and clicking when attaching to a line

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FROST & SULLIVAN

 Global Communications
Test & Measurement
Company of the Year Award

Applications

- POTS installation and service in the presence of DSL
- Temporary communication handset
- Telephone and data line installation and service

The Lil' Buttie Ranger™ Telephone Test Set is an advanced, DSL-safe telephone test set for use by datacom, telecom, and cable installers and repair technicians. The compact test set is small enough to wear on a belt or fit in a pocket and features a shape that is comfortable to hold. The LCD display shows on-hook voltage, off-hook current, and polarity as well as caller ID, call waiting caller ID, number dialed, setup, scrolling list of stored numbers, battery condition, and other information.

Advanced features of the Ranger include DigiView™ DTMF decode, for showing and capturing digits as dial-out is in progress; Auto Dial Line Identification (ADLI), for inbound and outbound line identification with caller ID testing; Trafixguard™, for sensing digital lines and identifying under- and over-voltage conditions; Insta-Talk™, an amplified speaker with simultaneous intercom capability for talking while testing; and Wink Detector, for display of line reversals.



Specifications
General
Interfaces

Telephone system	Modular telco
Headset	2.5 mm cell-phone type

Ringer Equivalence

In Bell mode	0.0 (no ringer load)
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Pulse Dialing

Pulse rate	10 pps ±0%
Make/break ratio	40% to 60% ±2%
Interdigit interval	820 ms
Resistance during break	120 kΩ

Tone Dialing

DTMF output (into 600Ω)	
Tone-frequency error	±1.5%
Tone level	
– High group	–6 ±2 dB
– Low group	–8 ±2 dB
High vs low difference:	2 ±1 dBm

Flash Duration

600 ms ±50 ms or 100 ms ±10 ms, set at factory

Pause Duration

Tone	3 s
Pulse	3.4 s

Memory

Battery backed-up memory stores eight programmed phone numbers (24 numbers ea) and associated names (16 characters), plus last-number redial.

Memory retention with battery	>2 yrs
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Return Loss	14 dB at 600
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Line-Current Range	5 to 120 mA
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Apparent Line Resistance	275 at 20 mA
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Monitor Mode Impedance	>230 k
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Measurement

Voltage	0 to 128 V DC ±5%
Current	10 to 140 mA ±5%

User Controls

- One left-side-mounted TALK/BELL/MON slide switch for operating mode
- One right-side-mounted microphone mute push button (tap to lock or hold down)
- Six front-mounted push buttons for various options
- One standard, front-mounted, 12-key phone keypad

Indicator

One front-mounted, 2-line x 16-character reflective, gray-mode, super-twisted liquid-crystal display (LCD) panel

Connectors

To telephone network	RJ12 (6-wire RJ11) female
To headset	2.5 mm cell phone headset jack

Power

From a 9 V DC alkaline battery, typical, included:

Bell mode (timed out)	20 μA
Talk mode	CWCID
Off	4 mA
CWCID on	12 mA
Monitor mode	27 mA

Battery Life

For a typical 9 V DC, 540 mA-hr alkaline battery (included)	
Operating	20 hrs (min), 112 hrs (max)
Standby	1 yr
Typical	25 to 40 hrs

Environmental

Maximum altitude	3048 m (10,000 ft) operating
Temperature	
– Operating	0 to 50° C (32 to 122° F)
– Storage	–20 to 60° C (–4 to +140° F)
Humidity tolerance	10 to 90%, non-condensing
Enclosure	High-strength ABS plastic

Physical

Length (w/o lanyard)	18.4 cm (7.25 in)
Width	6.4 cm (2.50 in)
Height	4.3 cm (1.68 in)
Weight (with cable set)	<284 gm (10 oz)

Ordering Information

Lil' Buttie Ranger Telephone Test Set **LB255**

- Includes 1.22 m (4 ft) RJ11 to angled bed-of-nails cord set (LB35), headset with boom microphone (LB40B), nylon pouch (LB80), and 9-volt battery.

Lil' Buttie Ranger Telephone Test Set **LB255-BT**

with protective boot

- Includes protective boot (LB81), 1.22 m (4 ft) RJ11 to angled bed-of-nails cord set (LB35), headset with boom microphone (LB40B), nylon pouch (LB80), and 9-volt battery.

Lil' Buttie Ranger Telephone Test Set **LB260-BT**

with hook-type belt clip and protective boot

- Includes rugged hook-type belt clip (LB75), protective boot (LB81), 1.22 m (4 ft) RJ11 to angled bed-of-nails cord set (LB35), headset with boom microphone (LB40B) and 9-volt battery.

Lil' Buttie Ranger Telephone Test Set
for Australia
LB255AUS

- For 100 ms hook flash, 37/63 make/break ratio, Australia caller ID settings (outside North America)
- Includes 1.22 m (4 ft) RJ11 to angled bed-of-nails cord set (LB35), headset with boom microphone (LB40B), nylon pouch (LB80), and 9-volt battery.

Lil' Buttie Ranger Telephone Test Set
for United Kingdom
LB255UK

- For 100 ms hook flash, 37/63 make/break ratio, UK caller ID settings
- Includes 1.22 m (4 ft) RJ11 to angled bed-of-nails cord set (LB35), headset with boom microphone (LB40B), nylon pouch (LB80), and 9-volt battery.

Accessories

RJ11 to piercing pin clips, 1.22 m (4 ft) with strain relief	LB20B
RJ11 to angled bed-of-nails clips, 1.22 m (4 ft) with strain relief	LB35
RJ11 to alligator clips, 1.22 m (4 ft) with strain relief	LB10B
Headset with boom microphone, mini over-the-ear	LB40B
Headset with cushioned earpiece, full over-the-head	LB45B
Modular adapter, 4-position	LB64
Modular adapter, 6-position	LB66
Modular adapter, 8-position	LB68
Belt clip, two-piece swivel	LB60B
Belt clip, rugged hook-type on battery door	LB85B
Protective rubber boot	LB81
Nylon pouch	LB80

Warranty

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 products deemed defective under this warranty will be repaired or replaced at the discretion of JDSU. No further warranties either implied or expressed will apply, nor will JDSU assume responsibility for operation of this device.

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