

Reseller:



2004-07-06

UniVox® DLS-70 Loop Amplifier

Installation Guide

Start to check the parts included in the package. How to install UniVox® is dedscribed on page 2 & 3.

UniVox® DLS-70 - Overview

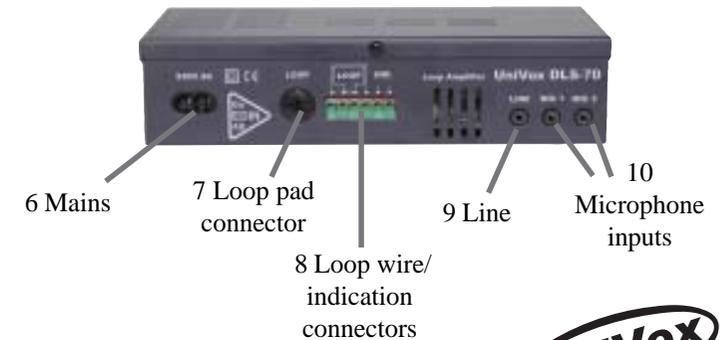
The following parts are include in the UniVox® DLS-70 package:

- A. Amplifier
- B. Power lead
- C. This Installation Guide
- D. Certificate for induction loop systems

UniVox® DLS-70 - Description



- 1 Bass
- 2 Treble
- 3 Loop level control
- 4 Loop current indicator
- 5 Main power indicator



- 6 Mains
- 7 Loop pad connector
- 8 Loop wire/indication connectors
- 9 Line
- 10 Microphone inputs



FSM. TRMS Field Strength Meter



UniEar, Listening & Test instrument for Loop Systems.

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Bo EDIN AB, specialist in wireless loop systems and assistive devices since 1965.

Bo EDIN AB

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1. Installation.

1a Place the amplifier at a suitable place. By using the keyholes it can easily be mounted on a wall (use the drillmask below), or just placed on top of a flat surface. The air ventilation holes must not be covered.

1b Connect the loop wire. Please read next page how to connect a 1 or 2-turn loop.

Alt. A loop pad should be connected to (7).

1c Connect the signal Source/es to the input connector/s. (Line, Mic1 & Mic2) (9 & 10)

1d Connect the mains power to DLS-70. The LED (5) on the front panel shall light. **UniVox® DLS-70** has an automatic resetable built-in mains fuse. If it's triggered by any reason, please remove the mains power and let the amplifier cool off. Investigate the possible fault reason before reconnecting the mains power.

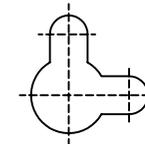
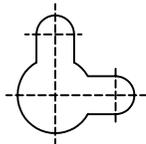
2. Function check (basic start up check)

2a **Increase** the Loop Current trimmer (3) until the LED (4) on the front panel "lights up".

3. Measurement and certificate

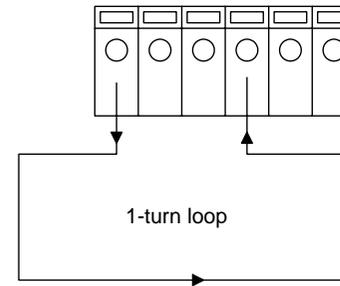
3a **Adjust the amplifier** following "The UniVox Way" for certification according to IEC-60118-4 (BS6383) using a field strength meter, like the FSM. The FSM follow the standard of Sound Meter with correct integration time and true RMS measurement. If necessary, adjust Treble and Bass with the potentiometers (1&2).

5 **Inform people responsible for the loop system** how to use the system. Recommend a listening device for a daily basic check of the loop system. The UniEar is a high quality listening device with built-in level check.

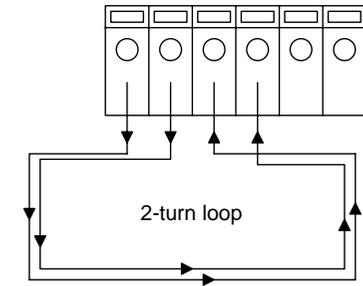


Recommended minimum loop wire area for UNIVOX® DLS-70

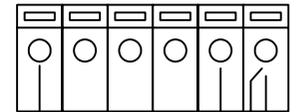
Loop area	Cabel area 1-turn loop	Cabelarea 2-turn loop
50-70 m ²	Not recommended	>= 2 x 1.5 mm ²
0-50 m ²	>= 1mm ²	>= 2 x 1 mm ²



Twine the wire, insert and push the wire to the end of the connector hole. The connector will automatically fasten and secure the wire. To release, press the knob on top of the connector hole with a screwdriver and simultaneously release the wire.



Indication signal (signalling through the loop system).



Voltage input. 5-24V AC/DC. If DC input, polarise according to figure.

Push button or other signal source that makes a short circuit.

Inputs (9) & (10, 2 pcs)

(9) Line, 30mV-10V/56kOhm, without phantom voltage.

(10) Microphone inputs, 4.5kOhm, with built in phantom power (12V DC) for electret microphones. These inputs could also be used for line levels up to 10V.

The Loop current control (3) shows that the amplifier, the cabeling and the signal source/es are OK. It doesn't show the field strength level in the loop. Use a FSM-meter to check the level, read page 4.

Set the hearing aid switch in position "T" or "MT".