



# UniVox® DLS-50

Compact loop amplifier with Dual Action AGC for home use



UniVox® DLS-50 is a compact yet powerful loop amplifier for wireless listening through your hearing aid. DLS-50 is developed for maximum power, versatility and ease of use and is equipped with UniVox automatic volume control (Dual Action AGC) for a smooth sound experience. The thumb wheel volume control with digits for easily memorized setting of the right field strength level along with bass and treble controls secures pure sound quality. The metal case and effective cooling ensures long lasting problem free use.

Connect DLS-50 to your TV, stereo, MP3, a microphone or any other sound source that you want to hear clearly. A super sensitive dedicated microphone input with 12V phantom power and signal strength potentiometer, a combined mic/line input and a line input makes it possible to connect your DLS-50 to virtually any sound source you like.

Choose between loop pad, sofa loop and room loop cable for use with your DLS-50 and cover exactly the area you want. Place the loop pad in your favourite chair, the sofa loop underneath your sofa or the room loop around the walls of your room and tune your hearing aid into T-position. With the headphones output you can even listen to the magnetic field acoustically.

You can monitor your DLS-50 with three indicators in the front panel with blue LED's for power connection, signal source level and loop current.

## Features

- Compact & powerful induction loop amplifier for use with TV/digibox/satellite/VHS/DVD/stereo/MP3/microphone etc
- UniVox Dual Action AGC for smooth quality sound
- Volume thumb wheel, bass and treble controls
- Rugged metal case with effective cooling for long lasting use
- Three inputs: Dedicated sensitive mic input (12V phantom power/signal level potentiometer) a mic/line input and a line input
- Easy connection to loop pad, sofa or room loop
- Separate headphones output
- Blue LED's for indication of power connection, signal source level and loop current

For additional information, please refer to user guide/installation guide and CE certificate which can be downloaded from "Product databank" at [www.edin.se](http://www.edin.se). If required, spare part list or other technical documents can be ordered through [support@edin.se](mailto:support@edin.se).



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## Technical data

<b>Power supply</b>		External power supply 10-20VA (included)
<b>Area of coverage</b>		50m <sup>2</sup> room loop according to IEC 60118-4:2006
<b>Loop output</b>	<i>Max current</i>	9App, short circuit safe output. For loop pad (max. 2 loop pads), sofa loop cable or room loop cable
	<i>Max voltage</i>	6.6Vpp (open output)
	<i>Frequency response</i>	70-15000Hz (±3dB)
	<i>Distortion</i>	<1%
	<i>Connection</i>	2 pin DIN (loop pad and sofa loop cable) or spring clip terminal (wire)
<b>Headphones output</b>		Switches automatically to voltage feedback for correct frequency response when using headphones
	<i>Connection</i>	3.5mm jack
<b>Inputs</b>	<i>Mic input</i>	2-170mV/5kΩ (phantom voltage). Separate high gain amplifier with AGC
	<i>Connection</i>	3.5mm jack
	<i>Mic/line &amp; line input</i>	10mV-4.3V/5kΩ (phantom voltage in Mic/line) knee-point setting
	<i>Connection</i>	3.5mm jack
<b>Dual action AGC</b>	<i>Dynamic range</i>	>70dB
	<i>Attack time</i>	2-500ms
	<i>Release time</i>	0.5-20dB/s
<b>Trimmers</b>	<i>Bass control</i>	0 - +12dB, potentiometer at front panel
	<i>Treble control</i>	0 - +9dB, potentiometer at front panel
	<i>Volume control</i>	Graded 0-9, thumb wheel at front panel
<b>Optical indication</b>	<i>Mains connection</i>	Blue LED
	<i>Loop current</i>	Blue LED
	<i>Input signal level</i>	Blue LED
<b>Other information</b>	<i>Dimensions</i>	150x92x25mm (LxWxH)
	<i>Weight</i>	0.25kg (0.4kg including power supply)
	<i>Part No</i>	202050 (no power supply) / 202052 (EU) / 202054 (UK) / 202056 (US)



<b>Note</b>	<i>Power supply</i>	Technical data may vary due to different power supplies
	<i>Dual action AGC</i>	Variable attack/release times holding peak and average level constant
	<i>In case the TV doesn't have a Scart output</i>	Use our microphone 13A Part No. 242401. It can be attached on your TV's speaker grid

## Accessories/ spare parts

Part No	Description
289003	Transformer, 230/12V 20VA (EU)
289004	Transformer, 230/12V 20VA (UK)
289006	Transformer, 120/12V 20VA (US)
283002	Loop pad, 400x400x5mm, 2 pin DIN, grey, cable=10m
283210	Extension cable for loop pad, 2 pin DIN, black, cable=10m
283220	Sofa loop cable incl. ext. lead, 2 turns, cable connector, 2 pin DIN, black, cable=8+10m
283240	Room loop cable roll, 0.33mm <sup>2</sup> , incl cable clips, light grey, cable=30m
284016	AutoScart, Automatic scart switch, male to 3.5mm male
284005	SCART2, Scart connector, male to 3.5mm male, cable=2.3m
289002	Adaptor cable for car cigarette lighter for UniVox DLS-50
281015	Audio cable, 3.5mm male to two RCA male, cable=1.5m
282007	Ramification cable, 2 pin DIN male to two 2 pin DIN female, cable=0.2m
242401	13A, Electret mic, velcro adhesive, 3.5mm male, cable=3m
241201	13B, Electret mic, handheld, 3.5mm male, cable=7.5m
241101	13C, Electret mic, tie-clip, 3.5mm male, cable=3m
289015	Holder for wall mounting, black aluminium

## Kits

Choice of:	Loop pad	Sofa loop	Room loop
<b>EU transf.</b>	202052 P	202052 S	202052 R
<b>UK transf.</b>	202054 P	202054 S	202054 R
<b>US transf.</b>	202056 P	202056 S	202056 R

## Car kit

<b>Part No</b>	<b>Description</b>
202090	DLS-50, adaptor cable, 13A velcro adhesive microphone, 13C tie-clip microphone and loop pad in box

