Univox® CLS-1
Compact loop driver
with Dual Action AGC

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

A compact powerful loop amplifier suitable for cashier offices, information counters and homes.

Univox® CLS-1 is a compact yet powerful loop amplifier for wireless listening through your hearing aid. CLS-1 is developed for maximum power, versatility and ease of use and is equipped with Univox automatic gain 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 CLS-1 to your TV, stereo, MP3, microphone or any other sound source that you want to hear clearly. A super sensitive dedicated microphone input with 12V phantom power and input level potentiometer, a combined mic/line input and a line input makes it easy to connect your CLS-1 to virtually any sound source you like. You can monitor your CLS-1 with three indicators in the front panel with blue LED's for power connection, signal source level and loop current.

Choose between loop pad, sofa loop and room loop cable for use with your CLS-1 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.

For check out counter and reception desk applications, please refer to CTC-120/121.

Loop pad

Sofa loop

Room loop
with 50 clips

Hearing excellence since 1965

univox
BY EDIN

Technical data

Power supply		External power supply 18VA (switched power supply included)
Area of coverage		50m^2 room loop according to IEC 60118-4
Loop output	Max. current	9App, for loop pad (max. 2 loop pads), sofa loop cable or room loop cable
	Max. voltage	6.6Vpp (open output)
	Frequency response	70-15,000Hz (±3dB)
	Distortion	<1%
	Connection	2 pin DIN (loop pad and sofa loop cable) or spring clip terminal (loop cable)
	Short circuit protection	100% short circuit protection, constant current down to 0 Ohm; Internal excessive current and temperature protection with auto-reset
Headphones output		Switches automatically to voltage feedback for correct frequency response, 70-15,000Hz (±3dB), when using headphones
	Connection	3.5mm jack
Inputs	Mic input	2-170mV/5kΩ (phantom voltage 12V). Separate high gain amplifier with AGC
	Connection	3.5mm jack
	Mic/Line & Line inputs	10mV-4.3V/5kΩ (phantom voltage 12V in Mic/Line input) knee-point setting
	Connections	3.5mm jack
Dual action AGC	Dynamic range	>70dB
	Attack / Release time	2-500ms / 0.5-20dB/s
Trimmers	Bass control	0 - +12dB, potentiometer at front panel
	Treble control	0 - +9dB, potentiometer at front panel
	Volume control	Graded 0-9, thumb wheel at front panel
Optical indication	Mains connection	Blue LED
	Loop current	Blue LED
	Input signal level	Blue LED
Other information	Dimensions	150x92x25mm (LxWxH)
	Weight	395g including power supply
	Part No	202052 (EU) / 202054 (UK) / 202056 (US) / 202058 (AUS)

Note

Power supply	Technical data may vary due to different power supplies
Dual action AGC	Variable attack/release times holding peak and average level constant

Accessories

Part No	Description
900734	Switched power supply, 230/15V 18VA (EU)
900738	Switched power supply, 230/15V 18VA (UK)
900740	Switched power supply, 120/15V 18VA (US)
900744	Switched power supply, 230/15V 18VA (AUS)
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, 0.75 mm^2, incl cable clips, light grey, cable=30m
289002	Adaptor cable for car cigarette lighter for Univox CLS-1
281015	Audio cable, 3.5mm male to two RCA male, cable=1.5m
281041	HDA-2M, D/A converter incl. optical cable
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
241501	13T, Electret microphone, condenser capsule, boundary
289015	Holder for wall mounting, black aluminium

Kits

Choice of	Loop pad	Sofa loop	Room loop
EU power supply	202052P	202052S	202052R
UK power supply	202054P	202054S	202054R
US power supply	202056P	202056S	202056R
AUS power supply	202058P	202058S	202058R
Car kit	202060C	CLS-1, adaptor cable, 13A velcro adhesive microphone, tie-clip microphone and loop pad	

For additional information, please refer to User Guide/Installation Guide and CE Certificate which can be downloaded from www.univox.eu. If required, spare part list or other technical documents can be ordered at support@ed

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