Univox® CLS-5

Compact Loop System
for vehicles and TV lounges

Applications

- Coaches
- Buses
- Lifts
- Large TV Lounges

Features

- 7 inputs, including digital (optical/coax) and SCART
- 110-240VAC or 12-24VDC (battery/backup)
- Electronic transformers for superior efficiency and audio intelligibility
- Compliant with Automotive directive 72/245 EEC as amended 2009/19/EC.
- Dual Action AGC (automatic gain control)
- Sensitive mic input with phantom power
- 24V output for external device
- MLC (Metal Loss Correction)
- Built-in Video Sync, to eliminate echo effect
- Alert input
- Full AutoSCART switching
- Environmentally friendly: 98% efficiency, 50% of the weight, >90% less copper

The universal loop driver with diverse appeal.

With seven inputs and a wide range of operating voltages, this high power loop amplifier is perfect on board vehicles as well as in large TV lounges.

The CLS-5 can operate from 110-240 VAC and 12-24 VDC, supporting its suitability for a diverse range of applications from buses and coaches to large TV lounges and meeting rooms. A range of inputs, including digital and coaxial inputs, means that integrating with any audio system is simple. Fully automatic switching SCART connectors secure easy connection to an external device like a DVD or digital box.

Never miss a word!

Audio quality is significantly enhanced due to the embedded electronic transformer, eliminating modulation distortion at high power output. The audio chain also incorporates features such as the Metal Loss Correction to fine tune for the effects of metal loss and the unique Dual Action AGC (automatic gain control) which lets the sound return immediately after noice suppression.

TV features include built-in Video Sync (digital delay), eliminating the echo effect when connected to a flat screen TV. The CLS-5 also has an alert input which can be activated by vehicles on board alarm, or - if installed in a TV lounge - a doorbell or a telephone.
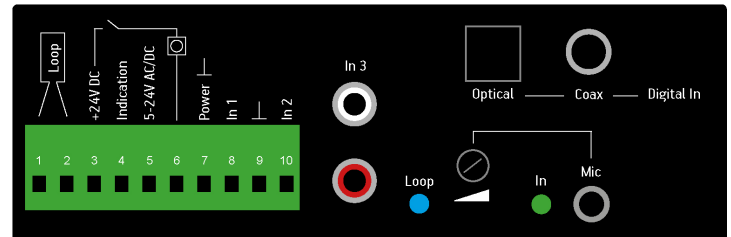
The CLS-5 is compliant with the relevant automotive standards and the carbon footprint has been substantially improved with a new electronic design. With 98% efficiency, 50% of the weight and 90% reduction of copper compared to traditional amplifiers, the CLS-5 is one of the most environmental friendly loop drivers on the market.

Hearing excellence since 1965

univox
BY EDIN

Univox® CLS-5

Technical data

Power supply	110-240 VAC, primary switching power supply	
	12-24 VDC as primary power or backup. 12 V will reduce the output	

Loop output	Max current	16 App, short-circuit driven
	Max voltage	24 Vpp (open output)
	Frequency range	70-5000 Hz (±3dB)
	Distortion	<1%
	Connection	Screw terminal

Inputs	Digital	Optical/Coax
	Microphone/Line Mic	2-250 mV/5 kΩ (12-24 V phantom)
	2 x RCA/phono, In3	35 mV/5 kΩ
	SCART	35 mV-10 V/5 kΩ
	Screw terminal, In1	35 mV-10 V/5 kΩ
	Screw terminal, In2	25 mV-10 V/5 kΩ

Dual Action AGC	Working range	>70 dB
	Attack time	2-500 ms
	Decay time	0,5-20 dB/s

Controls	Metal loss control	Treble control, 0 - +18 dB, internal control
	Loop adjustment	Potentiometer control
	Delay synchronization	Potentiometer control

Indications	Power connected	Yellow LED
	Loop current	Blue LED
	Input signal	Green LED

Other	Dimensions	255 x 135 x 47 mm (WxDxH)
	Weight	1 kg
	Colour	Black
	Part no	212012

Note

1. The CLS-5 can cover over 200 m^2, however area coverage can be significantly reduced by the proximity and conductivity of metal in the same plane as the loop.
2. For lift installation the CLS-5 has sufficiant power to drive a multi turn loop on the roof of a lift car eliminating the need for expensive internal loop fittings. A survey is advised.
3. Coach constructions are varied. A survey is advised.

Accessories

Part No	Description
241501	13T, Electret boundary mic, 3.5mm plug, Ø80/H16mm, cable=3m
241602	M-2, Goose neck microphone for table, 3.5mm plug, cable=1.5m
242401	13A Microphone for speaker, velco, 3.5mm male, cable=1.8m
581050	LM-90A, Tie clip microphone, 3.5 mm plug, cable=1.1 m
283240	Univox Room loop cable roll, 0.75 mm^2, incl. 50 clips, 30 m, light grey
285021	Label with T symbol, 125 x 114 mm, self adhesive
285023	Label with T symbol, 80 x 73 mm, self adhesive

The User Guide, Installation Guide and Certificate of Conformity are available on both of our websites for download.