



Portable Large Area Loop

PLALS-V

Our Portable Large Area Loop is an all-in-one fully portable hearing loop, ideal as a temporary solution or for use in multiple venues.

It has a built in hearing loop driver, a 2 channel receiver and an auxiliary input. The receiving module is licence-free and generally approved for operation in EU and EFTA countries.

Components

- V7 hearing loop driver
- Power supply
- V7 rack mount bracket
- 100m copper loop wire reel
- Carry case and fixings with a built-in rack
- 2-channel wireless microphone transmitter with belt pack
- 2 x Lapel microphones
- Handheld microphone
- Fixings, padding, connectors and packaging

Features

- Compact case
- 2 channel receiver
- Efficient power utilisation
- Continuous self-testing
- Accurate, lockable, front panel mounted controls
- Padded pocket to house accessories

Applications

Suitable for medium sized facilities, such as:

- Meeting and conference rooms
- Lecture halls
- Places of worship

Ideal as a temporary solution for:

- Events
- Rooms where a permanent install is not achievable
- Travelling instructors or public speakers

Standards

- BS EN 55103-1: 2009 (EMC emissions)
- BS EN 55103-2: 2009 (EMC immunity)
- FCC class "B" EMC (emissions)
- ICES-003
- IEC 60118-4 (in correct installations)
- IEC 62489-1

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Physical Data

Dimensions	Height – 254mm (10") Width – 540mm (21.25") Length – 368mm (14.5")
Weight (boxed)	13.5kg (29.76lbs)
Construction	Mild Steel
	ABS Plastic
Finish	Black Powder Coated

Technical Data

Power Supply #1	30W 14Vdc 2.14A via External PSU (PS-55) Class 6 External PSU (100V -240V AC 50Hz-60Hz)	
Inputs	1 X Balanced Line Level (3 Pin Euro-Block) or 1 X Balanced Line Level (XLR) [optimised for -10dBV to 0dBv]	
	1 X Mic Level (12V phantom power via 680Ω) [optimised for levels above -45dBv]	
	1 X DC Input	
Outputs	1 X Loop Output (5.08mm Euro-Block)	
Loop Output Characteristics	Voltage	7.5Vrms (21.21Vpk-pk) @ 5Arms (14.14Apk-pk)*
	Current	5Arms (14.14Apk-pk) up to 300 seconds*
	Loop Connector:	5.08mm Euro-Block
Audio System	Frequency Response	80Hz to 6.5kHz
	Distortion	THD+N <1% (-40dB) Full current both outputs driven
	AGC	Peak Detecting
	HF Comp	7 Optimised Stages
Display & Controls	Display	LED Backlit LCD Display
	Control	Single Rotary Control
Fault Monitoring and Protection	Main Display	Open Circuit Loop (DCR measurement) Loop Ground Fault
	Front Panel LED	Output Voltage Clipping
	Cooling	Internal Heatsinks with Thermal Protection
Power Supply #2	12-18Vdc, 500mA	
Carrier Frequencies	863 - 865MHz	
Channels	81 tuneable UHF frequencies	
Signal to Noise Ratio	>105dB	
THD	<0.5% @ 1KHz	
Frequency Response	50Hz - 18kHz ±1 dB	
Image Rejection	>85dB	
Connectors	DC in	
	2 x XLRM	
	6.3mm jack	
	2 x BNC antenna	
Output Impedance	2.2K Ω	
Output Level	400mV (balanced), 200mV (unbalanced)	

*Note 1: Z=1.4Ω (133uH +0.685Ω @ 1.6kHz) Note 2: < 1% (-40dB) distortion)