

SUPA-UNDER

Under the Counter Hearing Loop System



Item Codes:

SUPA-M72-UCA

SUPA-M73-UCA

SUPA-M74-01-UCA

SUPA-M74-02-B-UCA

SUPA-M300-UCA

Applications

For use where one to one communication takes place such as:

- › Banks
- › Post offices
- › Pharmacies
- › Service Desks
- › Checkout Lanes
- › Ticket Counters
- › Libraries

Standards

- › CE, ROHS and WEEE compliant
- › BS EN 60118-4 in correct installations

The Under the Counter Hearing Loop System kit provides accessible, one-to-one communication for customers with hearing loss at service points, helping ensure clear and effective communication between customers and staff.

The hearing loop aerial is discreetly installed beneath the counter, creating a localized magnetic field that transmits the staff member's speech directly to a customer's compatible hearing aid or cochlear implant. The aerial connects to the hearing loop amplifier along with the staff microphone.

When staff speak into the microphone, their voice is transmitted directly to the customer's hearing aid or cochlear implant through the hearing loop. This provides improved speech clarity and reduces the impact of background noise.

Components:

- › HLD2, Hearing Loop Driver
- › IL-AE99, Under the Counter Hearing Loop Aerial
- › PS-55, Power Supply
- › Your choice of microphone: MIC-M72, MIC-M73, MIC-M74-01, MIC-M74-02-B or MIC-M300

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Physical and Technical Data (Individual Parts)

Components	Physical Data	Technical Data	
HLD2 Hearing Loop Driver	Dimensions: Height - 1.57" Width - 4.57" Depth - 4.57" Weight - 0.26 lbs Construction - ABS Plastic Finish - Matt Black, Fine Texture	Supply Voltage	12-14 VDC
		Quiescent Current	100mA typical
		Operating Current	2A typical on speech peaks
		Power Switch	Push on - push off (tact switch under membrane)
		Microphones	Electret, supply 5V via 2.2K load resistor
		Speaker Output Power	RMS: 2.5W / 8 Ω 4.4W / 4 Ω
		Loop Drive Compliance	Constant current, bounded by 4V RMS & 2A RMS
		Total Harmonic Distortion	<5% (loop and speakers)
MIC-M72 (with light up base) MIC-M73 (without light up base) Halo Microphone with Stem	Dimensions: Height - 4.50" Diameter (base): 1.80" Weight - 0.14 lbs Construction - ABS Plastic Finish - Black, Pin Seal Texture	Directional Response	Cardioid
		Sensitivity	-46dBv @ 1kHz
		Distortion	Typically less than 1%
		Frequency Response	70Hz - 14kHz
MIC-M74-01 Halo Microphone with Round Base	Dimensions: Height - 1.60" Diameter (base) - 1.80" Weight - 0.08 lbs Construction - ABS Plastic Finish - Black, Pin Seal Texture	Directional Response	Cardioid
		Impedance	1.6K Ohms = / - 30% @ 1kHz
		Sensitivity	-67dB +/- 3dB @ 1kHz
		Frequency Response	70Hz - 14kHz
MIC-M74-04-B Discreet Microphone with Black Bracket	Dimensions: Height - 0.49" Width - 0.97" Weight - 0.14 lbs Construction - ABS Plastic Finish - Black Fine Texture	Directional Response	Cardioid
		Impedance	1.6K Ohms = / - 30% @ 1kHz
		Sensitivity	Typically less than 1%
		Frequency Response	70Hz - 14kHz
MIC-M300 Gooseneck Microphone	Dimensions: Height - 13.38" Diameter (base) - 2.75" Weight - 2.09 lbs Construction - Mild Steel Finish - Grey Powder Coated	Directional Response	Cardioid
		Sensitivity	-49.5dB+ 2dB @ 1kHz (0dB+1V/pa)
		Impedance	1.6K Ohms = / - 30% @1kHz
		Frequency Response	150Hz - 10.5kHz
IL-AE99 Hearing Loop	Dimensions: 13ft length cable which can be moulded on site to required size/shape by installers Weight - 0.22 lbs Construction: Copper Wire with Black Protective Covering Finish: Black PVC	Magnetic field range approximately 3.9ft	
PS-55 Power Supply	Dimensions: Height - 3.89" Width - 2.04" Depth - 1.42" Weight - 0.59lbs Cable Lead Total - 12.5ft	Input: 100-240V - 50-60Hz Output: 14V 2.14A 30W max	