Under the Counter Loop System

Our Under the Counter Loop System provides clear communication with hearing instrument wearers, especially where background noise is a problem or clear speech is restricted.

It has a flexible, discreet hearing loop aerial that can be bent to shape and tailored to many different counters.

Components
- 1 to 1 Hearing Loop Driver [HLD2]
- Halo Microphone with Stem [STS-M72], or, Halo Microphone with Round Base [STS-M74-01], or, Mouse Microphone [STS-M70], or, Discreet Microphone [STS-M74]
- Counter Hearing Loop Aerial [IL-AE99]
- Power Supply [PS-55-01]
- IEC Lead [IEC-LEAD-2M]
- Fixings
- Signage

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

Microphone Options
- Halo Microphone with Stem [optional brass stem]
- Halo Microphone with Round Base
- Mouse Microphone
- Discreet Microphone [optional bracket]

Applications
For use in any situation where one to one communication takes place at a counter, booth or desk, such as in:
- Banks
- Post offices
- Supermarkets
- Theatres
- Information centres
- Airports

Features
- Microprocessor control
- Energy-saving "green" standby mode achieves a power saving of up to 80% during quiet periods
- Advanced audio processing features AGC, compression and noise gate
- Constant-current loop drive
- Continuous self-testing
- Isolated audio line input allows the driver to take alternative audio sources (optional)
- Power and LED status indication
- Magnetic field range of 1200mm

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## Physical and Technical Data (Individual Parts)

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| **Amplifier**              | **Dimensions:** Height - 166mm (4.57")  Width - 115mm (4.53")  Depth - 40mm (1.57")  
Weight: 100g (0.22lbs)  
Construction: ABS Plastic Housing  
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) |
| **Halo Microphone with Stem** | **Dimensions:** Height - 70mm (2.76")  Width - 40mm (1.58")  Length - 100mm (3.94")  
Weight: 65g (0.14lbs)  
Construction: ABS Plastic  
Finish: Pin Seal Texture | Directional response: Cardioid  
Frequency response: 70Hz - 14kHz  
Sensitivity: -46dBv @ 1kHz  
Distortion: Typically less than 1% |
| **Halo Microphone with Round Base** | **Dimensions:** Diameter (base) – 41mm (1.61")  Height – 340mm (13.38")  
Weight: 37g (0.08lbs)  
Construction: ABS Plastic  
Finish: Pin Seal Texture | Directional response: Cardioid  
Frequency response: 70Hz - 14kHz  
Sensitivity: -67dB +/- 3dB @ 1kHz  
Impedance: 1.6K Ohms +/- 30% @ 1kHz |
| **Mouse Microphone**       | **Dimensions:** Height - 12.4mm (0.49")  Width - 24.65mm (0.97")  Length - 25.5mm (1")  
Weight: 26g (0.57lbs)  
Construction: ABS Plastic  
Finish: Black Fine Texture | Directional response: Omni-directional  
Frequency response: 70Hz - 20KHz  
Sensitivity: -46dBv @ 1kHz  
Distortion: Typically less than 1% |
| **Discreet Microphone**    | **Dimensions:** Height - 70mm (2.76")  Width - 40mm (1.58")  Length - 100mm (3.94")  
Weight: 65g (0.14lbs)  
Construction: ABS Plastic  
Finish: Satin Black | Directional response: Cardioid  
Frequency response: 70Hz - 14kHz  
Sensitivity: -67dB +/- 3dB @ 1kHz  
Impedance: 1.6K Ohms +/- 30% @ 1kHz |
| **Counter Hearing Loop Aerial** | **Dimensions:** 3.96m (156") length cable which can be moulded on site to required size/shape by installers  
Weight: 100g (0.22lbs)  
Construction: Copper Wire with Black Protective Covering  
Finish: Black PVC | Magnetic field range approximately 1200mm |

**Physical Data (boxed)**

| Dimensions (boxed) | Height – 85mm (3.15")  
Width – 320mm (12.6")  
Depth – 220mm (8.66")  
Weight (boxed) | 1kg (2.20lbs) |