

Univox® Microphones

For Hearing Loop Systems











Electret microphones for every application

The input to a loop system is critical to its performance. Our comprehensive range of compatible electret microphones provide the installer with the flexibility to match the most suitable type of microphone to the application.

Electret (condenser) microphones have a high sensitivity and are immune to magnetic fields making them ideal for use with hearing loops. However, they do need phantom power (a bias voltage) to operate. All our hearing loop amplifiers offer 12 V phantom power making them compatible with our entire microphone range power.

In situations where wireless microphones are required we are pleased to offer the Okayo range of professional wireless microphone systems. For more information, visit one of our listed websites.

Type of microphone	Name	Part No	
Tie-clip	LM-90A	581050	
Handheld	NX-9	241205	
Boundary/conference	Univox 13T	241501/241503	
Goose neck	Univox M-2	241602/241604	
Installed ceiling	ECM-10/WS	241250	
Speaker	Univox 13A	242401	
Wall mounted	AVLM5	242420	
Ceiling mounted conference	ClearOne CMA	241350	

Univox® Microphones - Product Overview

Tie-clip microphone LM-90A

Our tie clip microphone is a relatively low cost option for miking the presenter. The microphone should be clipped to the clothing close to the neck such as the lapel or tie. The user must try to face the same direction when speaking as a change in mic to mouth distance can affect the resulting volume even though all our amplifiers feature our unique dual action AGC which provides some degree of compensation.

In situations where the background noise is high, a more closely coupled microphone to the speaker's mouth such as a head set microphone is required.

Part No	581050
Type	Electret condenser capsule, tie-clip
Polar pattern	Omni-directional
Frequency range	70-13,000 Hz
Sensitivity	-45 dB re V/Pa
Bias voltage	1-10 V DC phantom power
Cord length	1.1 m
Connector	3.5 mm plug
Dimension	Ø 10 mm / L 16 mm
Weight	35 g
Color	Black with black cord
Accessories included	Windshield (black), tie-clip (black)



Handheld microphone NX-9

The NX-9 hand held microphone is fitted with a directional cardioid capsule for good back ground noise rejection. The metal casing is robust, easily wiped clean and comfortable to hold. With the table and floor stand accessories it can be used in a fixed location such as a stage or podium but will also allow the presenter to roam within the limits of the connecting cable.

Part No	241205
Type	Electret condenser capsule, handheld
Polar pattern	Directional cardioid, rotationally symmetrical around microphone axis
Frequency range	60-18,000 Hz
Sensitivity	-70 dB re V/Pa
Bias voltage	9-52 V DC phantom power
Cord length	Cord not included, must be ordered separately
Connector	XLR plug
Dimension	Ø 23-37 mm / L 190 mm
Weight	190 g
Color	Blue metallic body with steel grill
Accessories included	Microphone holder (black)



Boundary conference microphone Univox 13T

The Univox 13T is a boundary microphone fabricated in beech. It is perfect for positioning on a conference table but can also be mounted on ceilings and walls. For longer conference tables, several Univox 13T microphones can be used.

To limit background noise pick up no more than four should be used simultaneously. The Univox 13T can be supplied with a 3.5 mm mini jack or a XLR connector.

Part No	241501 3.5 mm plug / 241503 XLR plug
Type	Electret condenser capsule, boundary
Polar pattern	Omni-directional
Frequency range	30-15,000 Hz
Sensitivity	-53 dB re V/Pa
Bias voltage	5-15 V DC phantom power
Cord length	3 m
Connector	3.5 mm plug, stereo / XLR plug
Dimension	Ø 80 mm / H 16 mm
Weight	110 / 130 g
Color	Beech wood casing with black cord





Goose neck microphone Univox M-2

The Univox M-2 is a small and elegant goose neck microphone, particularly suited to across the counter situations. The microphone's high sensitivity provides for a good speech level, even if the speaker is not close to and/or directly in front of the microphone.

Part No	241602 3.5 mm plug / 241604 XLR plug
Type	Electret condenser capsule, goose neck
Polar pattern	Omni-directional
Frequency range	50-18,000 Hz
Sensitivity	-65 dB re V/Pa
Bias voltage	9-12 V DC phantom power
Cord length	1.8 m
Connector	3.5 mm plug, stereo / XLR plug
Dimension	Base Ø 80 mm / H 270 mm
Weight	300 / 320 g
Color	Black with black cord
Accessories included	Windshield (black)



Installed ceiling microphone ECM-10/WS

As an alternative to boundary microphones, a meeting room can be equipped with flush-mount microphones installed in the suspended ceiling or in drilled holes in the table surface. The ECM-10 has a metal housing with white cartridge cover and can easily be connected with a XLR cord connected to a mixer or directly to a loop driver's input.

Part No	241250
Type	Electret condenser capsule, flush mount
Polar pattern	Omni-directional
Frequency range	30-17,000 Hz
Sensitivity	-53 dB re V/Pa
Bias voltage	9-48 V DC phantom power
Cord length	Cord not included, must be ordered separately
Connector	XLR plug
Dimension	Ø 20-30 mm / L 72 mm
Weight	90 g
Color	Black with white cartridge cover
Accessories included	-



Speaker microphone Univox 13A

The Univox 13A has been designed specifically for mounting onto a speaker grill using Velcro pads provided.

It is quick and simple to set up and provides surprisingly good results where a direct wired connection from the audio source to the loop amplifier is not possible. The most common application is for use with a TV. Please note: If the audio source is muted the loop system will have no input.

Part No	242401
Type	Electret condenser capsule, attachable
Polar pattern	Omni-directional
Frequency range	30-15,000 Hz
Sensitivity	-53 dB re V/Pa
Power supply	5-15 V DC phantom power
Cord length	1.7 m
Connector	3.5 mm plug, stereo
Dimension	Ø 40 mm / H 15 mm
Weight	35 g
Color	Black with black cord
Accessories included	Adhesive Velcro cushions



Wall mounted microphone AVL5

AVL5 is designed for use in across the counter systems such as teller windows, information centers, ticket booths and other glass partitioned environments. It can also be attached to a computer display or alike. Installation is quick and simple using the Velcro pads provided. AVL5 has a very linear frequency pattern and an omni-directional characteristic for enhanced speech intelligibility. The elegant microphone in metal also delivers strongly reduced hum level.

Part No	242420
Type	Electret condenser capsule, attachable
Polar pattern	Omni-directional
Frequency range	50-18,000 Hz
Sensitivity	-54 dB re V/Pa
Bias voltage	6-12 V DC phantom power
Cord length	6 m
Connector	3.5 mm plug, mono
Dimension	Ø 42 mm / H 15 mm
Weight	67 g
Color	Graphite with black cord
Accessories (included)	Adhesive Velcro cushions



Ceiling mounted conference microphone ClearOne CMA

CMA is a professional ceiling mounted conference microphone with three interacting microphone elements (array). Mounted for example above a conference table, it provides exceptional sound quality with a 360 degree coverage combined with an unobtrusive design. The three unidirectional microphone elements effectively reduces reverberation and background noise. As the adaptor cable for ClearOne CMA has three outputs (XLR connectors) it has to be completed with a mixer board.

Part No	241350
Type	Electret condenser capsule, ceiling mounted
Polar pattern	Cardioid 120° vertical pick-up and 360° horizontal pick-up
Frequency range	100-12,000 Hz
Sensitivity	-19 dB re V/Pa (114mV/Pa)
Bias voltage	12-52 V DC
Cord length	7.6 m CAT5e cable (max 90 m)
Connector	Mini XLR / RJ45
Dimension	Ø 38 mm / H 84 mm
Weight	1 kg
Color	White
Accessories (included)	Mounting assembly, 30 and 60 cm connection cable 4-pin mini XLR; RJ45 plug/RJ45 plug CAT5e cable; RJ45 jack/ 3 x XLR plug mixer adaptor cable and white grommet



Accessories

Part No	Description
247103	Table stand for NX-9 handheld microphone, Ø 100 mm, H 100 mm
584371	M-100, Microphone floor stand, H 1000-1760 mm, arm 800 mm
281017	Microphone cable, XLR plug to XLR socket, 1.5 m
281018	Microphone cable, XLR plug to XLR socket, 7.5 m

Various windshields and tie-clips are also available as spare parts.



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