

CM-173

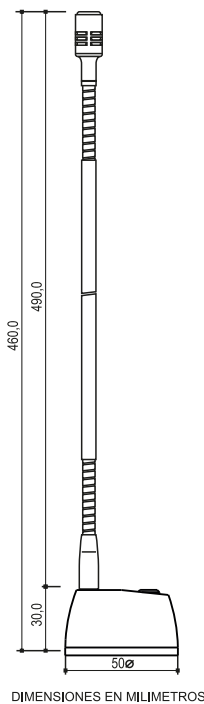
Desktop microphone



Universal presidential microphone in BLACK miniature type, with a flexible arm, switch, and LED for on/off indication. Features push-button configuration, startup mode, and adjustable tone control. Balanced signal output via cable and XLR connector.

Within the CM microphone family, the CM-173 microphone is included, featuring a 460mm flexible arm for applications that require closer proximity to the speaker, such as:

- Enhancing the speaker's voice (vocal fatigue)
- Highly reverberant environments
- Architectural or aesthetic constraints



Transducer:	Pre-polarised capacitor
Directionality:	Supercardioid (unidirectional)
Sensitivity (0 dB=1 V/μBar):	-67 dB (\pm 3dB)
Frequency response:	50 Hz to 17 kHz
Tonal control:	+4dB 2kHz-3kHz
Impedance:	400 Ohms
Output:	Balancead
Maximum permissible level:	110 dB NPS
Power supply:	Phantom (9 to 48 VDC.)
Start mode configuration:	ON / OFF
Push button configuration:	Bistable ON-OFF / PTT
Presentation:	Metal Epoxi
Color:	Black
Weight:	280 gr
Cable length:	3 m
Flexible length:	460mm



EQUIPOS Y SISTEMAS MEGAFONÍA/INTERCOM • PUBLIC ADDRESS SYSTEMS

UNIÓN DESARROLLOS ELECTRÓNICOS

Tel.: +34 934 772 854 / +34 609 914 787 • ude@udeaudio.com • BARCELONA - SPAIN

www.udeaudio.com

rev.1 | 610512a | 1 / 4

Description

The **CM-173** microphone consists of a polarised condenser cell, specially designed for speech reproduction.

Due to its supercardioid polar pattern, it reduces the pick-up of ambient noise and enhances the speaker's voice. At the same time it reduces the acoustic coupling (Larsen effect). The result is significantly improved when used with the WXD-19 (antilarsen) card.

Its attractive minimalistic and functional design makes it suitable for applications where aesthetics and high performance technology are to be combined. The configuration and adjustment functionalities allow it to cover practically all the needs of a microphone system; as it allows to configure the start mode of the microphone status (ON/OFF), the operation of the push button (as a bistable ON/OFF or PTT push button) and tone adjustment that make it ideal for any environment and application, such as:

- Conference rooms
- Houses of Worship
- Administrations
- Receptions
- Auditoriums, etc.

The CM-173 microphone has a built-in amplifier preamplifier (phantom power) and therefore does not require batteries.

It is protected against external interference from R.F., electrostatic and magnetic fields.

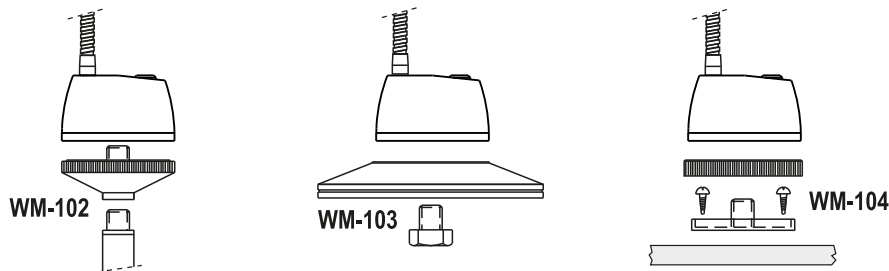
Its output signal is balanced, allowing the microphone to be used with long cable lengths without picking up interference or appreciable signal loss.

Supplied with foam filter.

Accessories

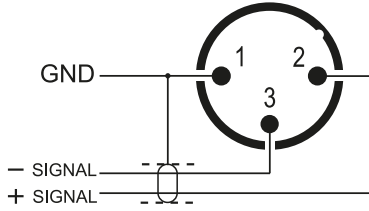
Its modular design makes it universal for different applications, using accessories:

- **Desktop mounting:** Couple WM-103 base (optional accessory).
- **Mounting with extendable foot:** Attach adapter WM-102 (optional accessory).
- **Fixed mounting on lectern, lectern stand or table:** Attach adapter WM-104 (optional accessory).



Connection

XLR CONNECTOR



IMPORTANT

To connect the CM-173 microphone to a UDE device, connect the 'Panthom' programming jumpers included inside the X9 and XD9 amplifiers and preamplifiers.

For other makes and models, please consult

Before setting switches A and B, the microphone must be de-energised, either by switching off the preamplifier or amplifier supplying the microphone or by physically disconnecting the microphone.

Start-up mode setting

The CM-173 microphone allows you to set the switch start mode.

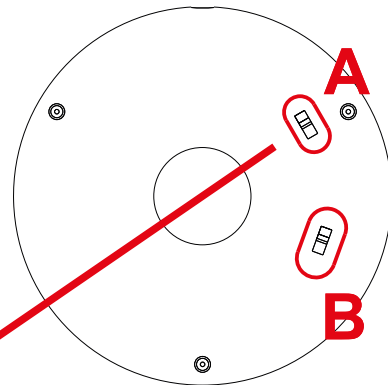
Remove the microphone cover using the 3 screws. Locate switch A on the bottom of the microphone.

Switch A allows you to choose in which mode the microphone will start when the preamplifier or the amplifier that powers it is turned on.

Switch A

Position 1
Will start ON

Position 2
Will start OFF



Factory setting: Position 1

Note: If the amplifier or preamplifier powering the microphone is turned off and then on again, within 20 seconds, the microphone will start up at the setting it had before the power was removed, instead of starting up at the setting programmed into the switch.

Push-button actuation mode setting

The CM-173 microphone allows the configuration of the push button actuation mode:

- Bistable ON / OFF
- PTT

Remove the microphone cover using the 3 screws. Locate switch B on the bottom of the microphone.

Switch B allows you to choose the activation mode of the microphone's push button.

Switch B

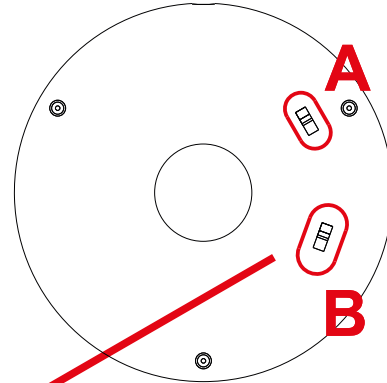
Position 1 (Bistable)

Press to switch on and press again to switch off.



Position 2 (PTT)

Press and hold to talk



Factory setting: Position 1

The functionality of switch A is only possible when switch B is in position 1.

Tone control

You can set the tone from lower to higher using the potentiometer on the side of the microphone.

Insert the screwdriver supplied with the microphone through the indicated hole. Adjust the tone by simultaneously speaking into the microphone until the desired tone is achieved.

