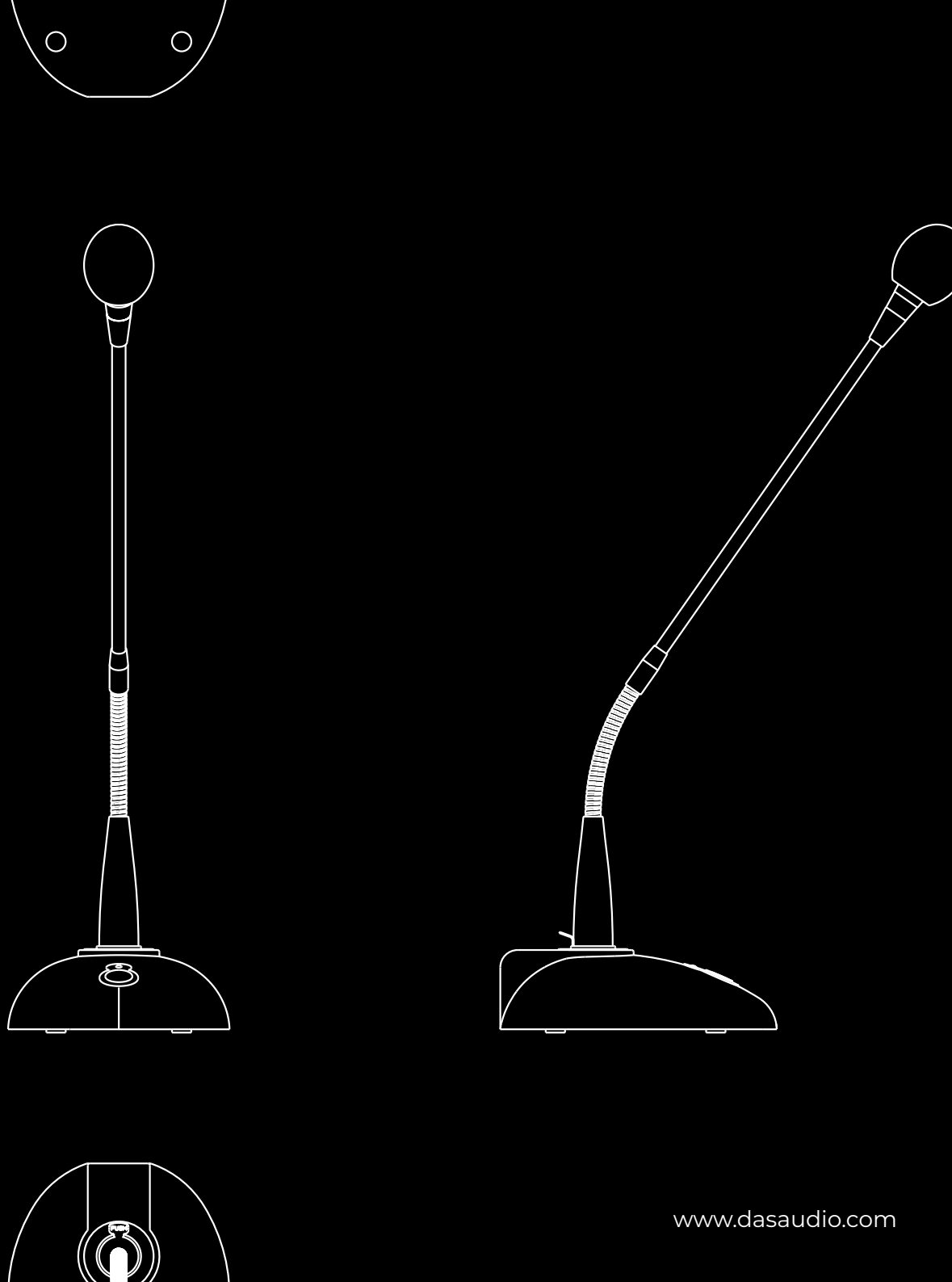


INTEGRAL-MC01

User manual



DAS Audio is a unique brand. We create sound solutions for businesses, always adapted to the different needs of our clients.

The Integral Series is the heart and brain of our installation solutions. It comprises of a series of devices that in addition to feeding and processing the signal of our speakers, allow an absolute control to our users, guaranteeing the protection and quality of the equipment.

You are about to discover what it means to work with our brand, and this is just the beginning. You will have access to quality training materials on our website, where you will discover specific business solutions and learn how to use them: dasaudio.com/en/training/

This user manual is designed to guide you, swiftly and smoothly, during the installation of our equipment, but in case you have any questions or doubts, do not hesitate to contact our technical support team by writing directly to support@dasaudio.com or, if you prefer, through our website, contacting your nearest office at dasaudio.com/contact

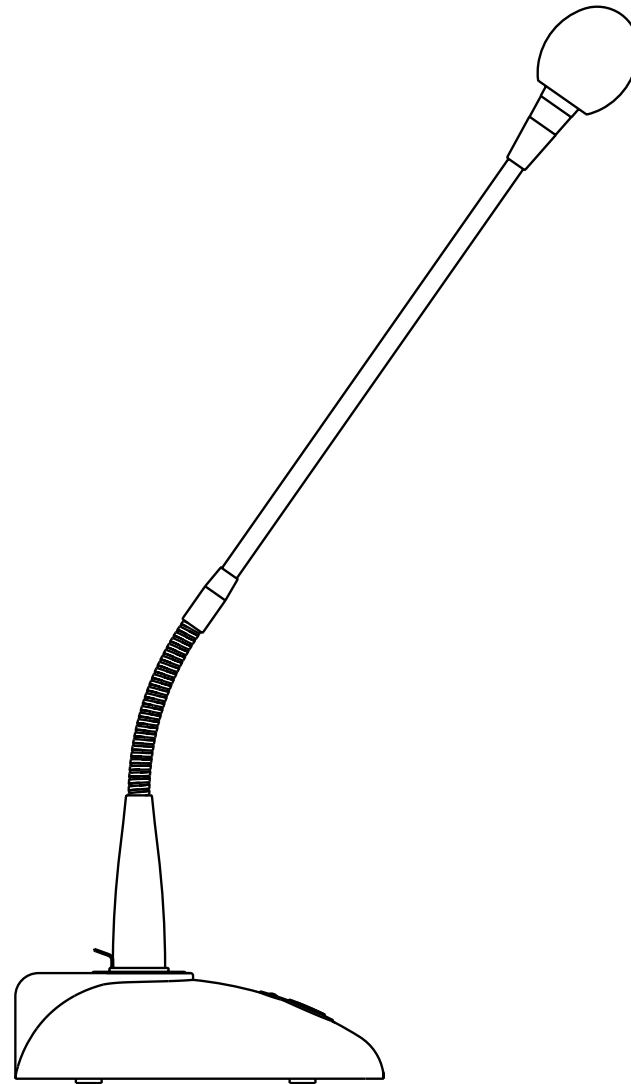
INTEGRAL

Description and features

INTEGRAL-MC01 is a desktop electret condenser gooseneck microphone. Desktop base allows microphones to be used in multi-purpose or conference rooms, retail stores, etc. where quick setup or permanent installation is required.

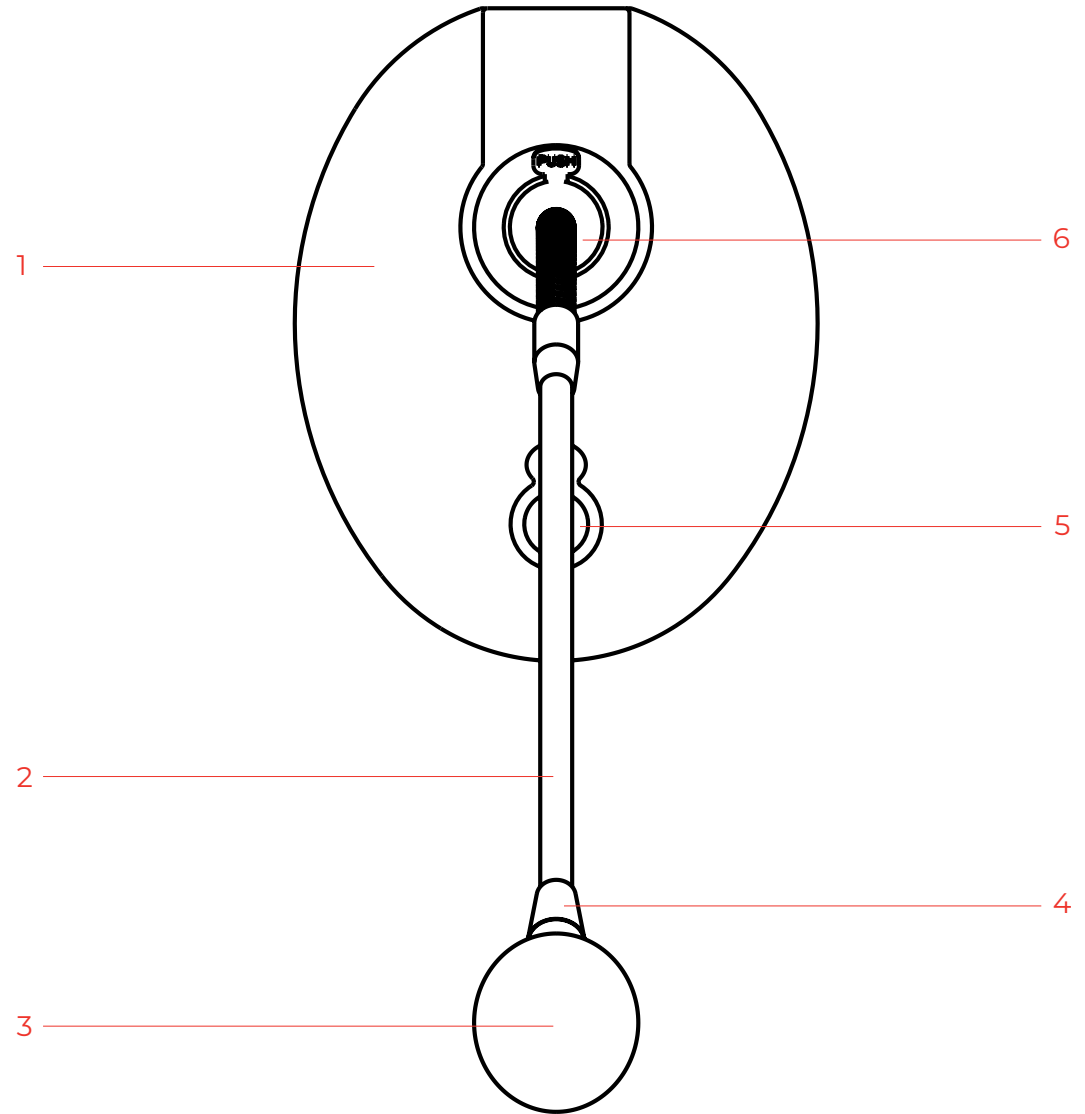
The desktop base features two 3-pin XLR type input and output connectors enabling direct connection to the audio receivers and microphone. The user button with integrated red indicator permits advanced local control. The desktop base includes a built-in preamplifier which works with two AAA batteries (3 Vdc) in case of not having the possibility of connecting it to a source providing phantom power.

- Wide dynamic range and frequency response for accurate sound reproduction
- 12-48Vdc Phantom Power required (or 3Vdc Batteries)
- Electret condenser microphone
- Cardioid pattern



INTEGRAL Top panel

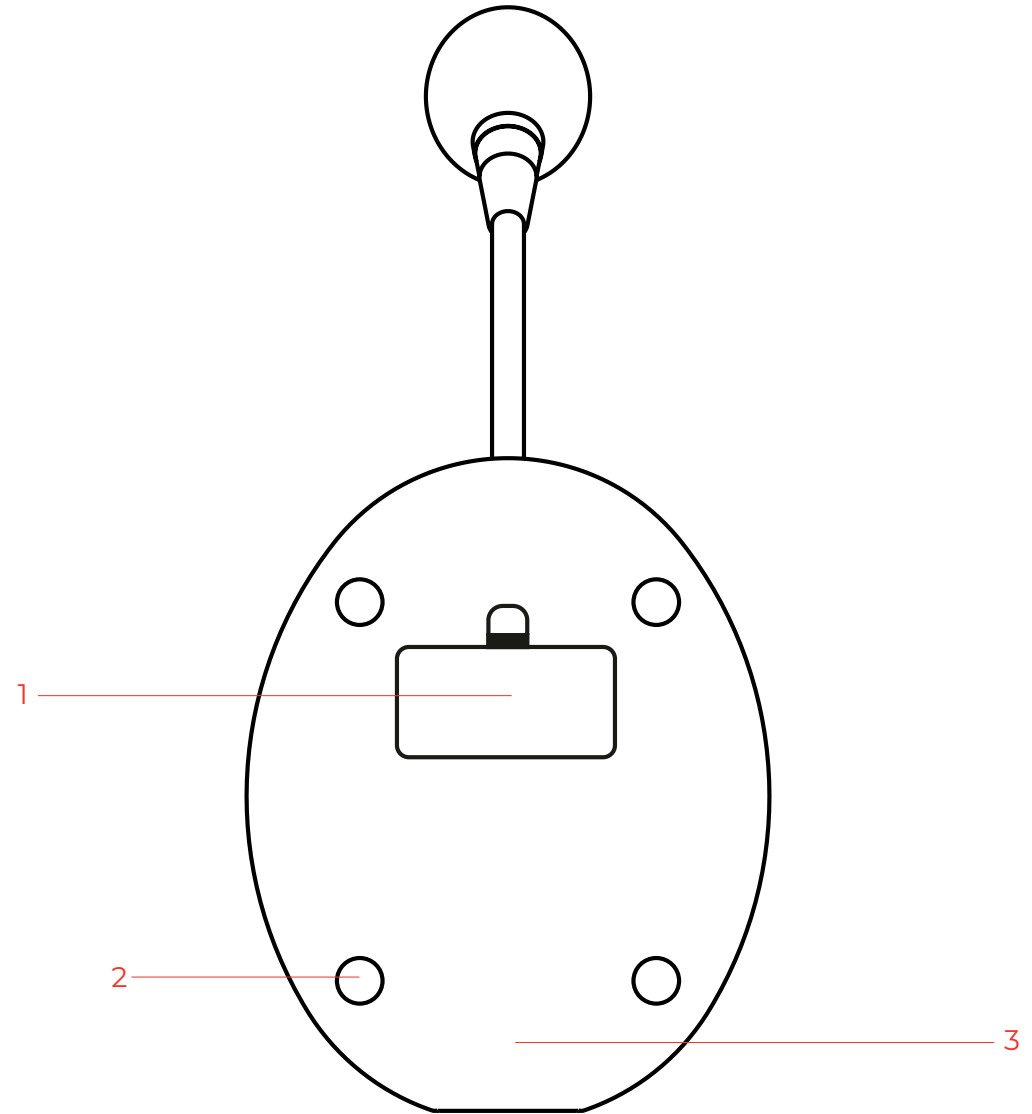
- 1 Base Desktop
- 2 Neck and Microphone´s cartridge
- 3 Windscreen
- 4 LEDs
- 5 On/Off button
- 6 XLR type input connector



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Bottom panel

- 1 Battery Holder: 2 x AAA 1.5Vdc batteries
- 2 Rubber feet (x4)
- 3 Output XLR type connector

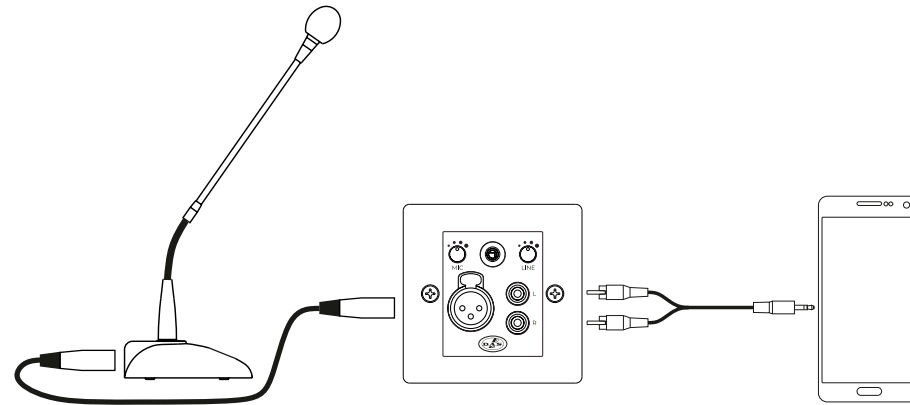


INTEGRAL Connections

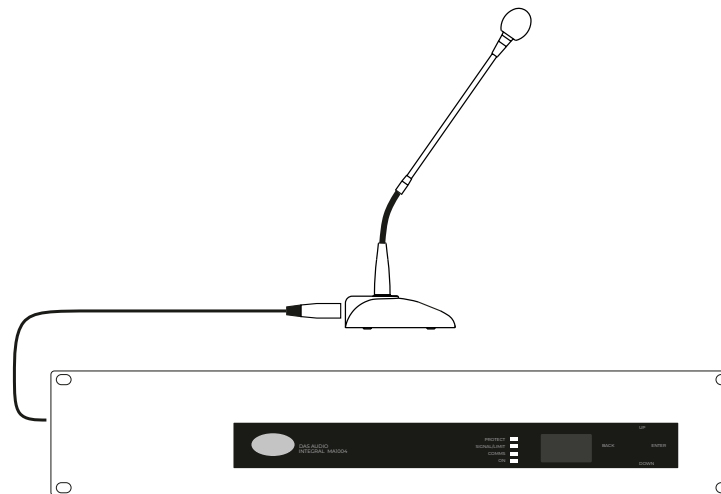
The INTEGRAL-MC01 transmits analog balanced audio signal by the use of standard microphone cabling. Connect the desktop base to any audio receiver such mixing console, audio matrix or Matrix amplifier (MA models) providing phantom power; for permanent installation is highly recommendable to use this option. A preamplifier is also included in the microphone stand and powered with two AAA batteries (3 Vdc) in case no Phantom source is connected. In this case the microphone can be connected directly to any amplifier (A models).

Connecting the microphone to a receiver providing phantom power:

Shown in the image below an INTEGRAL-MC01 connected to an INTEGRAL-WPM1:



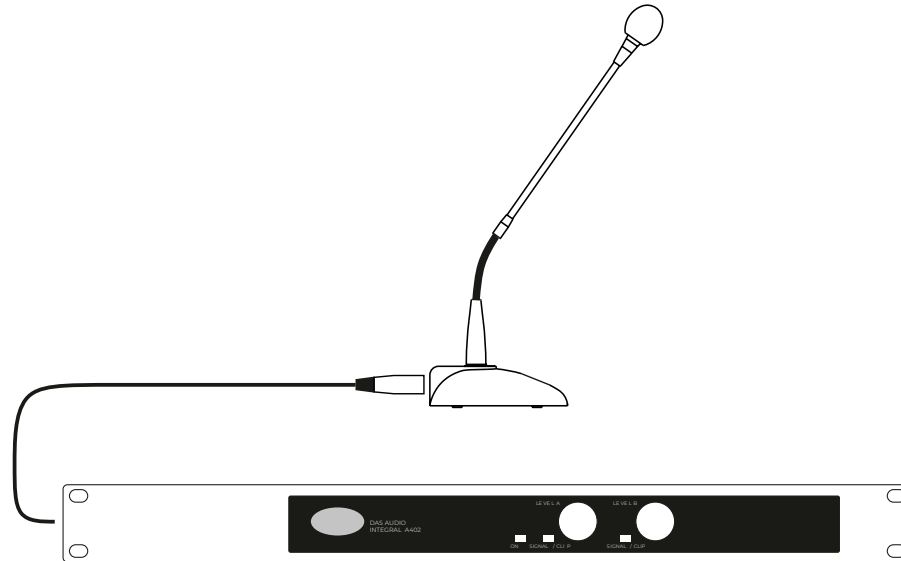
Shown in the image below an INTEGRAL-MC01 connected to an INTEGRAL-MA1004/1604 unit:



INTEGRAL Connections

Connecting the microphone without Phantom power and using the internal desktop base preamplifier (with batteries):

Shown in the image below an INTEGRAL-MC01 is directly connected to whatever the INTEGRAL-Axxxx amplifier models. It is necessary to use the preamplifier of the microphone with the batteries. This solution is not recommended for permanent use as the batteries will need to be replaced.



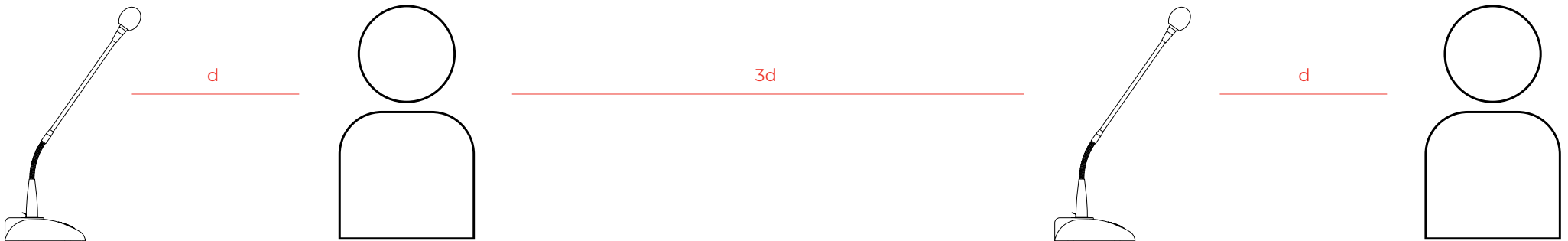
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Microphone placement

Place the microphone within 15 to 30cm (6 to 12 in.) of the desired audio source.

Aim the microphone towards the desired source, such as the talker. Aim it away from any unwanted source, such as a loudspeaker. The loudspeakers should always avoid facing the microphone, in order to prevent feedback. The speaker system should be in a location that will not be in the walking path of the presenter or easily walked in front of.

When using more than one microphone in order to avoid feedback and phasing problems follow the rule 3:1, the distance from any audio source to the closest microphone has to be at least 3 times less than the distance from the audio source to the other microphones.

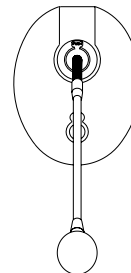
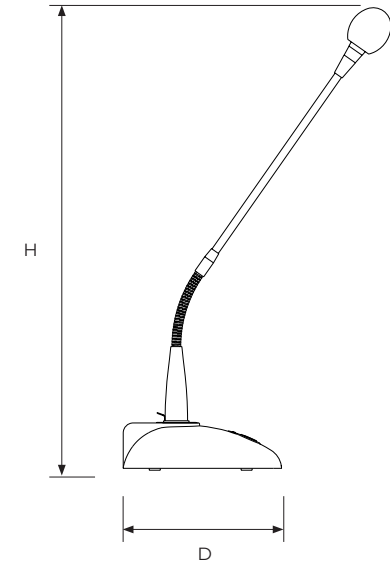
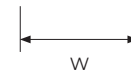
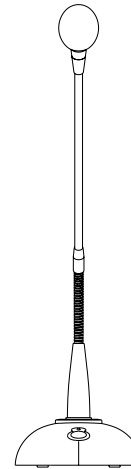
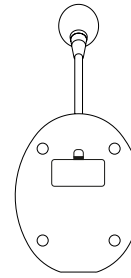


INTEGRAL

Specifications

Microphone type	Electret Condenser
Frequency Response	40Hz – 16kHz
Polar Pattern	Cardioid
Output Impedance	750hm
Power Requirements	12-48Vdc Phantom or 3Vdc Batteries
Power Consumption	25mA
Dimensions (H x W x D)	360* x 115 x 142mm (14 x 4.5 x 5.6 in)
Weight	615g (0.28 lb)

H*: Height with microphone's neck at 40°





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