

Conference Microphones

HM 4042 HM 4047



Hand held Microphone



The HM 4042 is a hand held conference microphone unit provided with a professional 5 pin XLR plug for either a spiral or straight cable.

This microphone is especially designed for use with the DIS series of microphone units MU 4040 or MU 604x. The applications for this microphone are press halls or auditoriums etc. where the persons using the microphones are standing up, or where the microphone has to be hidden when not in use.

The microphone capsule is a low noise condenser back-electret capsule featuring a cardioid sensitivity pattern in the entire speech frequency spectrum to ensure minimum risk of an acoustical feed back arising from the sound reinforcement system.

The microphone capsule is acoustical and mechanical isolated from the rest of the microphone construction. The capsule is suspended and critically damped by the use of two special rubber bands. This DIS designed construction prevents virtually any mechanical noise from the table to be picked up by the microphones
The HM 4042 is provided with a large

illuminated ring at the microphone top. A clear red light indicates if the microphone is ON.

A switch is used for either switching the microphone ON/OFF or for setting the microphone in REQUEST (depending on the system mode). A two colour LED (red and green) is indicating if the microphone is ON or in REQUEST.

The HM 4042 hand held microphone is part of a series of high performance condenser microphone units carefully developed to fit the DIS Conference Microphone Units or Interpreter Sets.

The HM 4042 main features:

- Illuminated ring on microphone head
- Cardioid pattern
- Back-electret condenser microphone capsule
- Double rubber suspended capsule
- High close talk SPL level
- Low noise capsule
- Two function switch
- Two colour LED

The HM 4047 has the same features as HM 4042 except for the large light ring.

How to order

Conference Microphone:	Order no.:	Accessories:	Order no.:
HM 4042	18 11 04474	Spiral Cable, 2m	18 11 04766
HM 4047	18 11 04473	Straight Cable, 3m	18 11 05988
		Straight Cable, 5m	18 11 05993

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Specifications

Impedance:	2 kOhms at 1 kHz.	<u>Power Requirements:</u>
Sensitivity:	-68 dB \pm 1 dB / μ Bar at 1 kHz. (0 dB=1 V/ μ Bar)	Supply voltage: 1.5 to 9 Volts DC. Supplied from DM/CM 40xx units or IS 9009.
Directionality:	Uni-Directional.	<u>Connector:</u>
Front to back ratio:	> 25 dB / 1 kHz.	HM 4042: 6 pin XLR male
Frequency Range:	90 Hz - 15 kHz (\pm 3dB).	<u>Lengths:</u>
Signal to Noise Ratio:	> 60 dBA	HM 4042/4047: 18 cm
Maximum input:	138 dB SPL with 3% distortion.	

Data subject to change without notice in interest of product improvements.
