

**SHURE**<sup>®</sup>

LEGENDARY  
PERFORMANCE™

Conferencing and Discussion Systems

# BM 6620 Boundary Mic

## USER GUIDE



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# General

## Description

The BM 6620 is a low-profile omnidirectional, condenser boundary microphone designed to fit into the flush mounted conference units in the DIS DCS 6000 Digital Conference System.

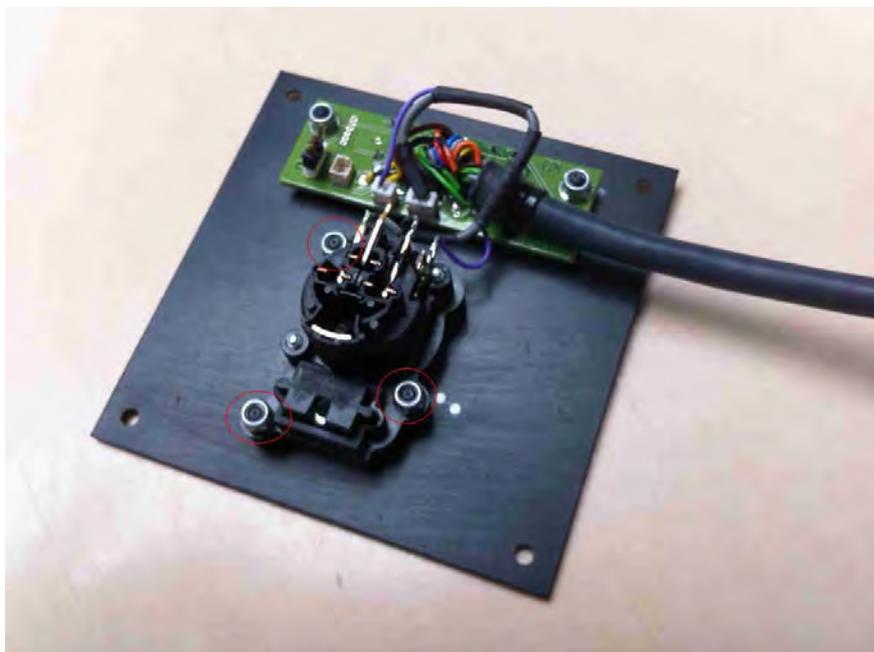
The BM 6620 is available for retrofit in the standard flush mounted units FC 602xF and FD 612xF by replacing the XLR socket with the

boundary microphone in the plastic adaptor. The molex mini connector fits with the microphone connector on the PCB.

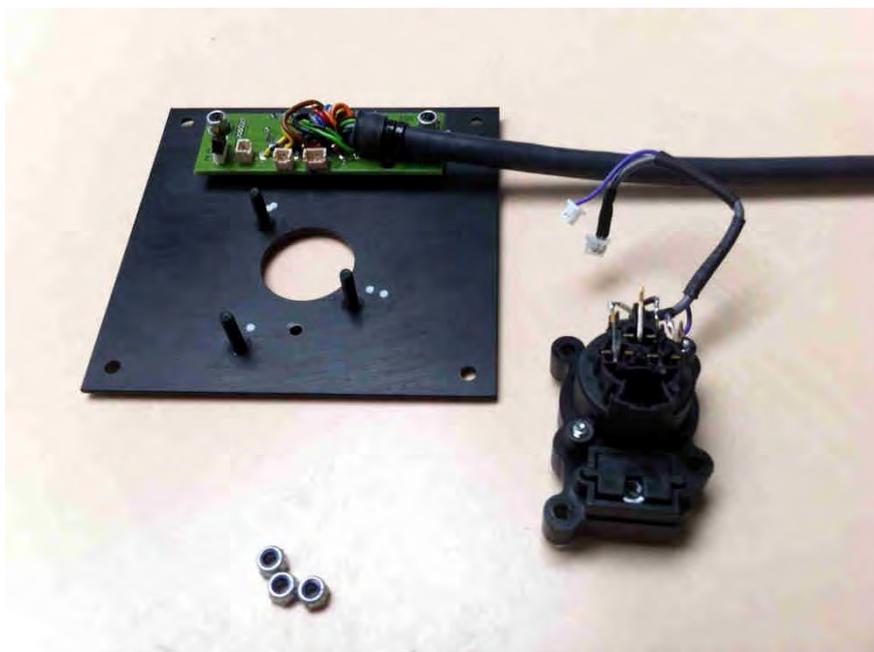
It can also be ordered (customized) for other FC/FD and FC/FD 6xxxF units and delivered already mounted in the units.

# Installation

For the installation of BM 6620 do the following:



Undo the three M3 nuts holding the XLR to the plate



Remove the XLR



Turn over the XLR. Undo and remove the two T8 torx screws and the 3mm Alan bolt



Separate the connector section from the XLR chassis



Remove the plastic "lock" insert





Put the XLR chassis back onto the front plate



Fasten the XLR chassis to the from plate with the 3 M3 nuts.

Now insert the boundary mic into the sleeve of the XLR chassis and then tighten the 3 Allen screws on the bottom of the mic; this will cause the mic's rubber sleeve to expand into the XLR chassis and hold it in place. Connect the boundary mic to the PCB.

# Technical Specifications

## Electrical

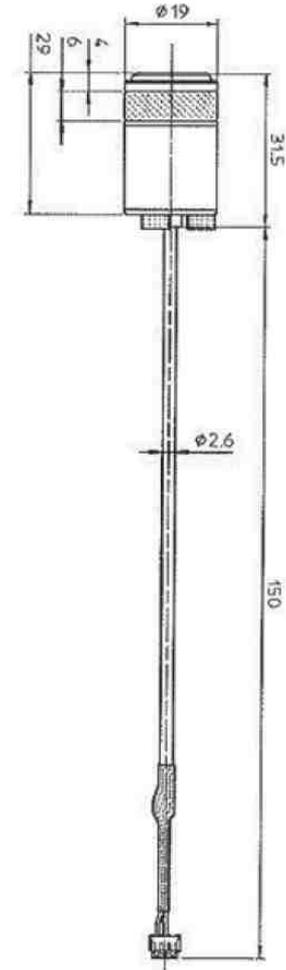
Transducer type .... Permanently polarized condenser  
 Polar pattern..... Omnidirectional, 360° pickup angle  
 Frequency response .....40 Hz - 18 kHz  
 Sensitivity ..... -42 dB (7.9 mV), 1 V at 1 Pa  
 Maximum input sound level .....142 dB SPL,  
 ..... 1 kHz at 1% THD  
 Impedance .....200 ohms  
 Signal-to-noise ratio ..... 64 dB, 1 kHz at 1 Pa  
 Dynamic range..... 112 dB, 1 kHz at maximum SPL

## Connectors

Connector type ..... Molex mini connector

## Mechanical

Mounting fixed in DIS DCS 6000 flush mounted units  
 Dimensions (L x D) .....181.5 mm x 19 mm  
 Weight ..... 63 g  
 Color ..... Black



**Specifications are subject to change without notice.**



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