

## MPC 70 USB

Acoustical Boundary  
Microphone

Order # 475.548



### FEATURES

- "Intelligent" acoustical boundary microphone, microprocessor controlled
- For the connection to PCs with USB port
- ON/OFF, PTT and PTM function
- LED-indicator
- Silent film button
- Semi-spherical polar pattern
- Flat, wide frequency response
- Switchable bass roll off (150 Hz)
- Switchable gain (-10 dB, 0 dB, +10 dB)

### APPLICATIONS

The MPC 70 USB has been developed for connection to PCs with USB port. Therefore it can be used for digital audio recordings on PCs.

Due to its unobtrusive design, the MPC 70 USB is ideal for audio recordings of conferences, meetings or round table discussions with a maximum of 10 participants.

Depending on the application, you can choose between three operating modes: On/Off, Push To Talk and Push To Mute. Furthermore, the frequency response can be tailored for use in two modes: linear or 150 Hz bass roll off to reduce low-frequency noise.

The switchable gain of -10 dB, 0 dB and +10 dB is to compensate loud or quiet speakers and small or large distances between microphone and speaker.

The MPC 70 USB is switched on and off with a silent film button. An LED indicator shows the ready-to-talk status. The different functions are controlled and monitored by an 8 bit micro-controller.

### SUPPLIED ACCESSORY

Connecting cable with USB-plug, type B, 3 m long

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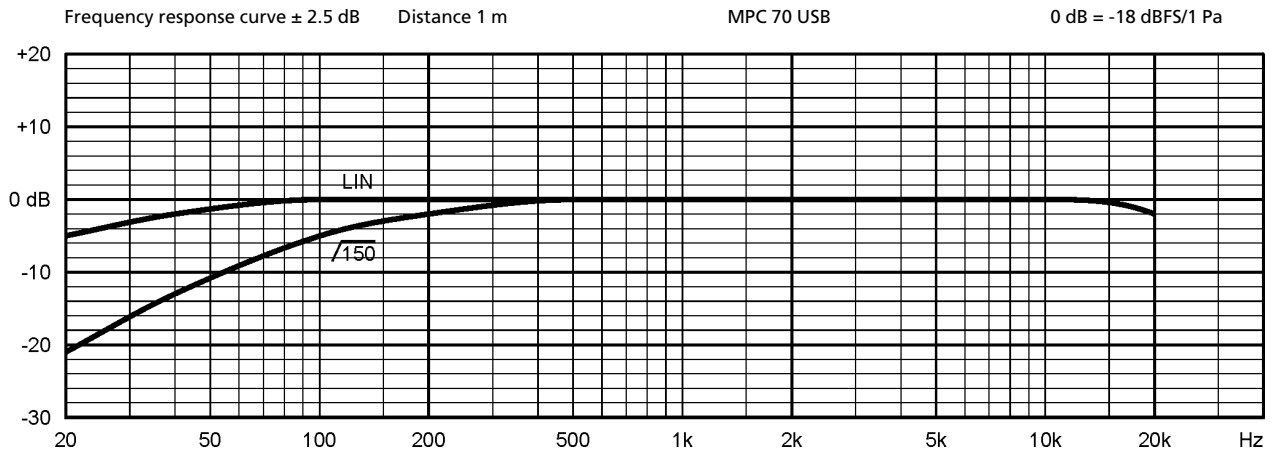
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## TECHNICAL SPECIFICATIONS

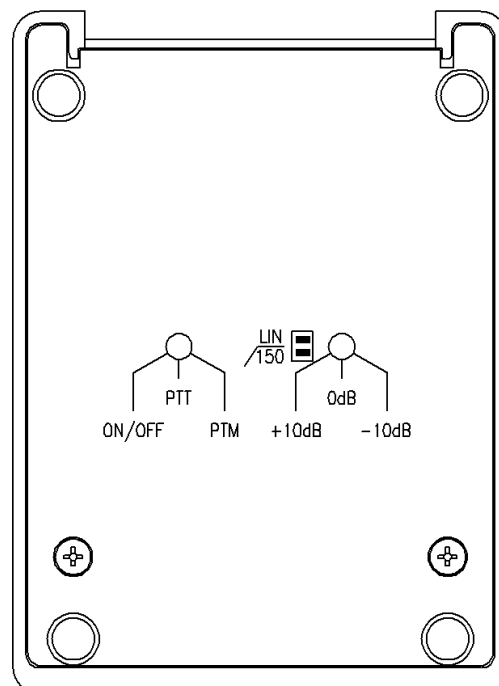
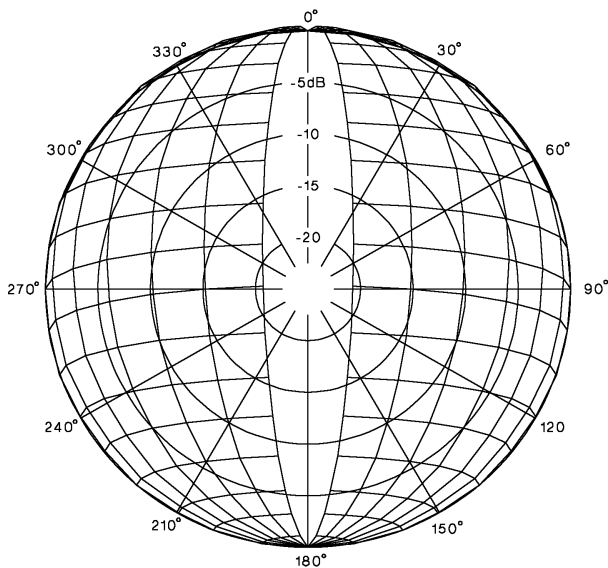
Transducer type	Condenser (back electret)
Frequency response (linear)	40 - 20,000 Hz
Polar pattern	Semi-spherical
Level compensation	-10 dB, 0 dB, +10 dB, switchable
Bass roll off	150 Hz (6 dB/octave), switchable
Operating modes	PTT, PTM, On/Off
Open circuit voltage	-18 dBFS at 1 Pa/1 kHz
Dynamic	73 dB(A)
Max. SPL	112 dB
Supply voltage	5 V via USB connection
Current consumption	27 mA when in use, 12.5 mA in sleep mode
Connection	USB socket, type B
Dimensions (L x W x H)	125 x 76 x 25 mm
Weight without cable	140 g

## FREQUENCY RESPONSE & POLAR PATTERN

This frequency response curve (measuring tolerance  $\pm 2.5$  dB) and polar patterns correspond to a typical production sample for this microphone.



## BOTTOM VIEW



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