

BETJENINGS anvisning

operating instructions
bedienungs-anleitung

BM 5 og 6





Det glæder os, at De har valgt et B & O produkt, og De skal straks vide, at det forpligter os. Vi ønsker, at De skal kunne opnå det fulde udbytte af Deres B & O.

Naturligvis er De ivrig efter straks at prøve Deres nyerhvervelse, og selv om De måske mener, at De gennem forhandlerens demonstration allerede kender apparatets funktion, skulle De alligevel gøre Dem selv den tjeneste at læse denne vejledning igennem.

Og lige endnu ét: Skulle der være punkter, De kunne ønske nærmere belyst, så henvend Dem til Deres B & O - forhandler. Han er fagmand og kan give Dem fuld besked.

Med venlig hilsen


LEVERANDØR TIL DET KGL. DANSKE HOF
A·S BANG & OLUFSEN
PRODUKTIONSSKAB



MIKROFON TYPE BM5

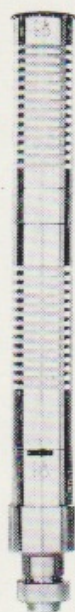


Fig. 1

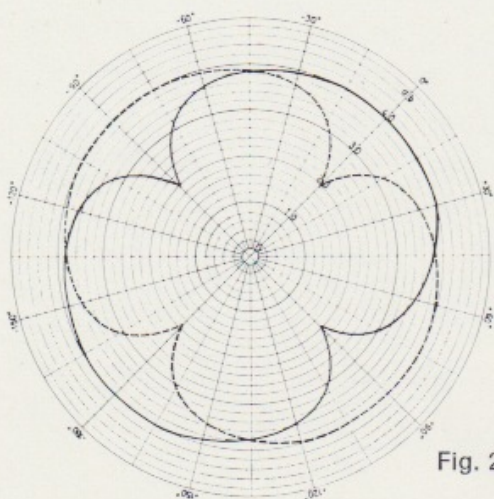


Fig. 2

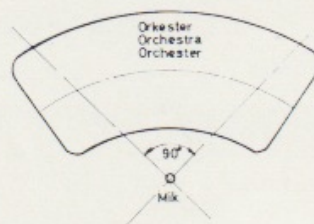


Fig. 3

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The B & O Type BM 5 Microphone is a ribbon microphone (pressure-gradient microphone) for both mono and stereo recordings.

The B & O Type BM 5 Microphone is very well suited for stereo recordings of music, from both large and small orchestras. It has wide dynamic range, smooth frequency response and low distortion, ensuring excellent sound quality for both tape-recorder and amplifier applications.

The BM 5 is designed for use with equipment having a balanced input. This feature, in connection with the relatively low impedance of this microphone, permits use of long extension cables with no loss of sound quality.

During use the BM 5 may be attached to the desk stand supplied with it, or to a Type 6002 Floor Stand.

The B & O BM 5 Stereo Microphone is actually composed of two identical microphones mounted one above the other (see Fig. 1).

The upper microphone is detachable. When the upper microphone is removed, the lower microphone (Type BM 6) operates as a conventional monaural microphone.

The two individual microphones of which the BM 5 is composed may be rotated up to 90° with respect to each other. The amount of relative rotation is indicated on a scale.

Appearance of the pick-up pattern for 90° microphone rotation is shown in Fig. 2.

Rotating the microphones as described permits altering the acoustic perspective of the sound picture, 90° giving maximum width and 0° minimum width (mono).

For best stereo recordings of orchestral performances the two microphones should point towards the orchestra as shown in Fig. 3.

For instance, to make a stereo recording on a stereo tape recorder according to the so-called A-B method, the set-up should be as shown in Fig. 3.

A picks up sound from the left side of the source of sound and **B** picks up sound from the right side whilst sound coming from the middle is picked up by both microphones. The electrical signals from the two microphones are recorded on separate tracks of the tape, from where they may subsequently be played back through an amplifier system with speakers, the **A** signal being reproduced by the left speaker and the **B** signal by the right speaker.

The BM 5 Microphone carries two switches marked "M-T" and "+ 0 —", respectively.

The "M-T" switch provides a choice of two functions:

The "M" (music) position provides flat frequency response; in the "T" (speech) position the lowest frequencies are attenuated. This feature is necessary because of the inherent tendency of a ribbon microphone to over-emphasize the low frequencies when used at distances less than one metre (approx. 3 ft.) from the source of sound.

The "M" position is used for recordings of music and voice in which the vocalist does not sing directly into the microphone. The "T" position is used for close singing and speaking. In the "T" position, the microphone is compensated for a speaking distance of 25—30 centimetres (approx. 10—12 ins.).

The "+ 0 —" switch has three positions:

In the "0" position, the microphone is switched off.

In the "+" position, the signals from the two microphones are in phase; turning the switch from "+" to "—" changes the phase of the lower microphone by 180°.

TECHNICAL DATA

Response Frequency Characteristic:

"M" (Music) Position: From 30 to 13,000
c/s \pm 3 dB.

"T" (Close talk) Position (8-16"): rolled off
below 1000 c/s at 100 c/s; $-$ 10 dB.

Open Circuit Voltage Level: $-$ 85 dB.

0dB = 1 Volt per Microbar.

RTMA Standard SE $-$ 105.

Sensitivity: GM = $-$ 159 dB.

Hum Sensitivity: GH = $-$ 153 dB.

Output impedance:

Nominal at 1000 c/s: 150 Ohms.

Rating Impedance: 150 Ohms.

Size: $10\frac{3}{8} \times 1\frac{3}{16}$ ".

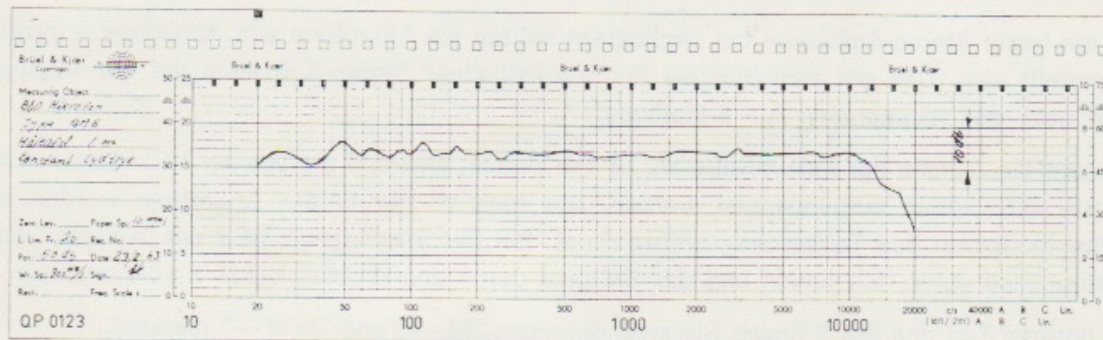
Weight: 15 ozs. approx.

Cable: Supplied with 20 feet. 4 core over
all screened.

Transformer, type 9398 - JS, for matching
BM 5 to a high impedance input of as tereo-
amplifier available on special request.

Mounting: Conical Friction Socket to
 $\frac{5}{8}$ " \times 27 thread.

Technical dates are subject to change
without notice.





GARANTIBEVIS

for BM 5 og 6

Udstedt den _____

af _____

Forhandlerens navn og adresse _____

For denne mikrofon ydes en garanti på 6 måneder fra forhandlerens salgsdato, dog maximum 9 måneder fra fabrikkens leveringsdato. Garantien dækker fabrikationsfejl i mikrofonen og alle dens dele.

Såfremt mikrofonen bliver defekt, indleveres den til den B & O-forhandler, hvor den er købt, hvorefter denne selv foretager garantireparationen eller eventuelt sender mikrofonen til fabrikken.

Garantien bortfalder, såfremt: 1) garantibeviset ikke medfølger, 2) garantibeviset ikke er dateret og underskrevet af forhandleren, 3) der er foretaget indgreb eller ændringer i mikrofonen, eller der anvendes uoriginale dele, 4) brugsanvisningen ikke har været nøje fulgt, 5) de aftalte betalingsbetingelser ikke er overholdt.

Garantien omfatter ikke fejl, som skyldes lokale forhold, ligesom skader og tab, som fejl ved mikrofonen måtte give anledning til, ikke dækkes af garantien.

Garantien gælder kun i Danmark.



B & O

Det danske
kvalitetsmærke

A/S BANG & OLUFSEN
PRODUKTIONSSKAB

LEVERANDØR TIL DET KONGELIGE
DANSKE HOF

