



Milab BDM-01

Quick Guide Manual

Thank You for Choosing a Milab Microphone!

With a history that goes back to the 1930s, Milab is one of the oldest, continuously operating microphone manufacturers in the world.

Every one of our microphones is handcrafted in our plant in southern Sweden. Our quality control is meticulous and all microphones have to pass several stages of testing, including rigorous audio tests in our anechoic chamber.

We believe in our products, which is why every microphone is delivered with its own individual frequency chart and our industry-leading lifetime warranty.

Congratulations on your purchase and welcome to the Milab family!

Thomas Nöjdh, President

Package Includes

- Milab BDM-01 condenser microphone
- Milab 3127 stand holder
- Milab 3402 windscreen
- Individual frequency chart
- Quick guide manual

The Milab BDM-01 Condenser Microphone

The BDM-01 is a dedicated bass drum microphone that is as equally at home in the studio as on the road. It has been designed in every detail to handle the sound pressure level and specific sonic qualities of the bass drum.

The high-end condenser capsule provides excellent attack and HF response, and the frequency curve has been tailored for that perfect bass drum sound. The dynamic range, sensitivity and pop filters are also optimised for the sound and power of the bass drum.

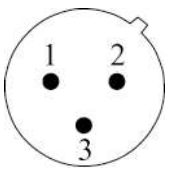
The heart of the microphone is Milab's handcrafted VM-44 series condenser capsule that captures the true sound of the drum with a fullness and attention to detail that is simply superior to a typical dynamic microphone alternative.

Connection

The BDM-01 can be connected to any mic input, mixer/amplifier, or mic preamp using a standard microphone cable (XLR). The microphone is designed for phantom powering at 48 V (P48, IEC 1938) with positive voltage on the audio lines versus the cable shield.

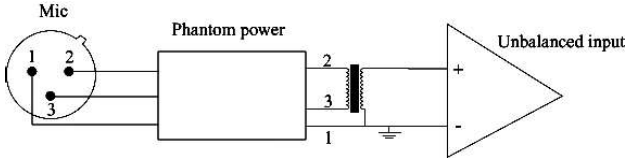
Microphone XLR pinout:

- 1: Ground (shield)
- 2: Hot (+ phase)
- 3: Cold (- phase)

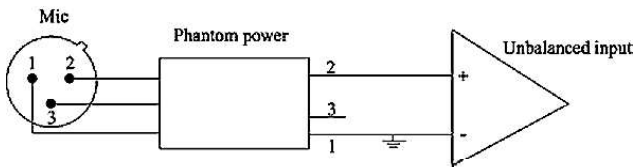


If the input device does not support phantom power, an external power supply has to be connected between the microphone and the input. Make sure that the extra phantom power has a DC-free output against the mixer, otherwise an RC network has to be incorporated to block the 48 VDC.

Connecting the microphone to an unbalanced input:



Connecting the microphone to an unbalanced input without a transformer. Pin 2 is the “hot phase“ and should be connected to the input. Pin 3 should be left open:



Guidelines for Use

- The BDM-01 should be aimed with the top grill towards the sound source. See polar diagram.
- We recommend that the BDM-01 is used with a stand adapter (enclosed) or with the Milab 3227 rubber shock mount (optional). It is not intended to be used as a handheld device.
- For outdoor recordings, use the enclosed windscreen to minimize wind noise.
- Protect the microphone from dust and dirt which may damage the membrane.
- The microphone should not be exposed to water, extreme temperatures or humidity.

Service & Cleaning

All service and repair of the microphone should be performed by authorized personnel. All metal surfaces may be safely cleaned from time to time with alcohol or methylated spirits.

CAUTION! Protect the membrane when cleaning.

Declaration of Conformity CE

Milab Microphones AB declares that this device conforms to all applicable EU directives/regulations. The aforementioned product may only be used for audio purposes and in configurations approved by the manufacturer.

Lifetime Warranty

Your microphone is covered by our lifetime warranty. If you experience any problems, please contact the place where you purchased it for further instructions.

The warranty is intended to protect the customer from manufacturing and/or material defects. It does not cover careless or improper handling (intentional or unintentional), such as physical negligence, electrical overload etc.

Terms and conditions apply and are available on request. Please visit www.milabmic.com/warranty for more information.

Contact Information

Milab Microphones AB
Norra Strandgatan 4
S-252 20 Helsingborg
SWEDEN

Phone: +46 (0)42 381620
Fax: +46 (0)42 136350
E-mail: milab@milabmic.com
Website: www.milabmic.com

Milab Microphones is a trademark of Milab Microphones AB, Sweden. Copyright © Milab Microphones, Sweden. All rights reserved. Errors excepted. Subject to changes.

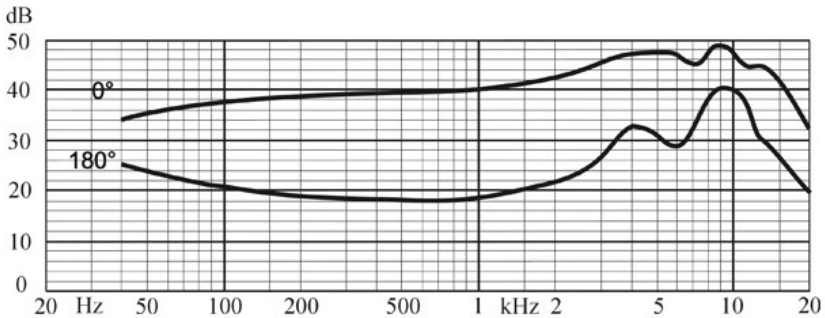
Legal notice/user agreement: Milab Microphones assumes no liability for damages, direct or consequential, which may result from the use of the supplied product. Under no circumstances and under no legal theory, tort, contract, or otherwise, shall Milab Microphones be held liable to you or any other person for any indirect, special, incidental, or consequential damages of any kind, including, without limitation, damages for loss of goodwill, work stoppage, computer or equipment failure or malfunction, or any and all other commercial damages or losses. This limitation of liability shall not apply to liability for death or personal injury to the extent applicable law prohibits such limitation. This User Agreement shall be exclusively subject to the laws of Sweden.

Last revision: 17 January 2024

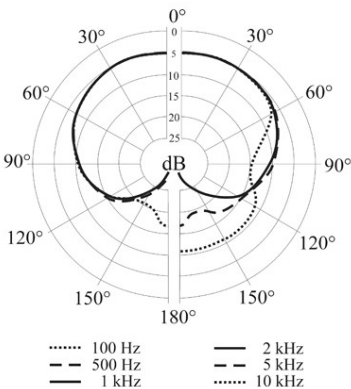
Specifications

Product name:	Milab BDM-01
Type:	Condenser
Article number:	1101
Frequency response:	20 to 20,000 Hz
Polar pattern:	Cardioid
Max SPL (1 % THD at 1 kHz):	155 dB
Sensitivity at 1 kHz:	2 mV/Pa (± 1 dB)
Noise level (IEC 179-A):	25 dBA (typical)
Power supply:	48 V Phantom (DIN/IEC)
Current consumption:	4 mA
Output impedance:	<200 Ω
Min. load impedance:	1 k Ω
Connection:	3-pin XLR
Length:	142 mm
Diameter:	24/47 mm
Net weight:	210 g

Frequency chart:



Polar diagram:



For more information,
please visit:
www.milabmic.com

Milab

