

# Milab

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## **Milab DC-96C 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 DC-96C condenser microphone
- Milab 3127 stand holder
- Milab 3403 windscreen
- Individual frequency chart
- Quick guide manual

## **The Milab DC-96C Condenser Microphone**

The DC-96C is the newest addition to the classic Milab DC family. It is a side-addressed, large membrane microphone built around the Milab 2900 rectangular capsule and has been designed mainly for studio work, but is also an excellent choice for many live/stage applications.

The original DC-96 was released in the late 1960s. After an update, it was replaced by the DC-96B in 1983 which would become one of the most iconic Milab models.

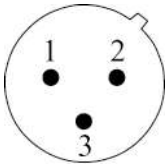
The DC-96C is suitable for a wide range of applications, including studio vocals, acoustic guitar and piano, hi-hats and overheads, guitar amps and more.

## Connection

The DC-96C 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.

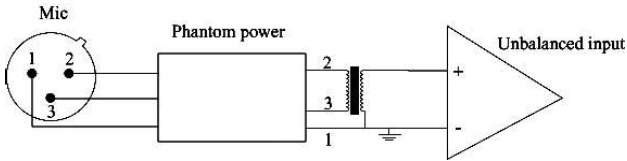
Microphone XLR pinout:

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

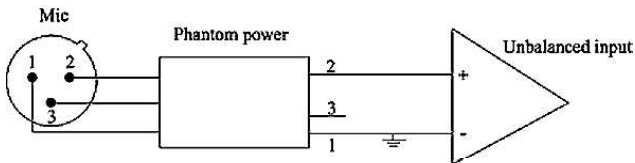


If the input device does not support phantom power, an external power supply has to be connected between the microphone and the input. Make sure that the extra phantom power has a DC-free output against the mixer, otherwise an RC network has to be incorporated to block the 48 VDC.

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 DC-96C should be aimed with the Milab logo towards the sound source.
- The DC-96C is equipped with a pre-attenuation switch. In situations where sound levels may exceed 132 dB SPL, set the switch to the -12 dB position. The system may need a few minutes (2-5) to stabilize.
- The DC-96C should be placed in a stand holder (enclosed) or in a shock-mount. It is not intended to be used as a handheld device.
- For outdoor recordings, use the enclosed windscreen to minimize wind noise.
- Use the enclosed windscreen or an external pop filter to reduce popping sounds when recording close-up vocals.
- 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](http://www.milabmic.com/warranty) for more information.

## **Contact Information**

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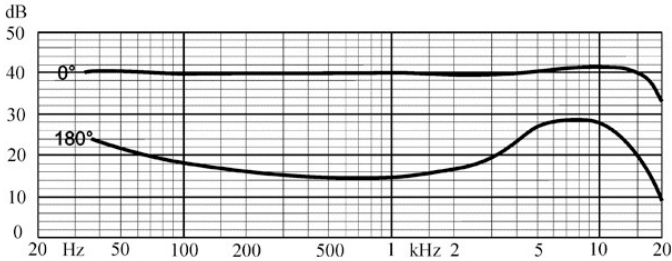
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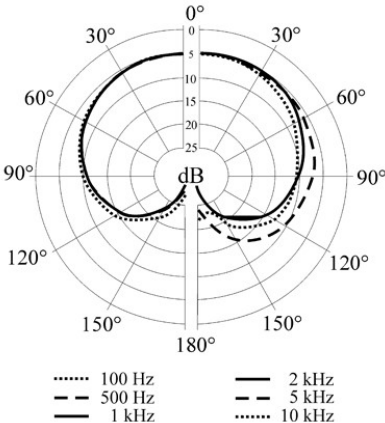
## Specifications

Product name:	Milab DC-96C
Type:	Condenser
Article number:	1138
Frequency response:	20 to 20,000 Hz
Polar pattern:	Cardioid
Pre-attenuation pad:	-12 dB (switchable)
Max SPL (1% THD at 1 kHz):	132 dB
Max SPL with pad:	144 dB
Sensitivity at 1 kHz:	21.5 mV/Pa ( $\pm 1$ dB)
Noise level (IEC 179-A):	11 dBA (typical); 12 dBA (max)
Power supply:	48 $\pm$ 4 V Phantom (DIN/IEC)
Current consumption:	4.2 mA
Output impedance:	<200 $\Omega$
Min. load impedance:	1 k $\Omega$
Connection:	3-pin XLR
Length:	145 mm
Diameter:	27 mm
Net weight:	220 g

### Frequency chart:



### Polar diagram:



For more information,  
please visit:  
[www.milabmic.com](http://www.milabmic.com)

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