



beyerdynamic MC930 True Condenser Microphone User Manual

[Home](#) » [beyerdynamic](#) » beyerdynamic MC930 True Condenser Microphone User Manual 



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Contents

- 1 MC930 True Condenser Microphone
- 2 SAFETY INSTRUCTIONS
- 3 BOX CONTENTS MC 930 INDIVIDUAL MICROPHONE
- 4 BOX CONTENTS MC 930 STEREO SET
- 5 OPTIONAL ACCESSORIES
- 6 FEATURES
- 7 APPLICATION
- 8 TECHNICAL SPECIFICATIONS
- 9 FREQUENCY RESPONSE & POLAR PATTERN
- 10 INSTALLATION AND OPERATION
- 11 MAINTENANCE
- 12 DISPOSAL
- 13 FURTHER INFORMATION
- 14 Documents / Resources
 - 14.1 References





MC 930 TRUE CONDENSER MICROPHONE

You have chosen the MC 930 true condenser microphone from Beyer dynamic .
Thank you for your confidence in our M series .
In this user manual you will find important information on the use of your product .
Please take sufficient time to read them .

ENJOY THE SOUND!

Your Beyer dynamic Microphone Team

SAFETY INSTRUCTIONS


-  Read this user manual and the safety instructions carefully before using the product .
- Do not use the product if it is damaged .
- Lay cables in such a way that no one can trip over the cables and that the device cannot be damaged .
- Repairs may only be carried out by authorised specialists . Never open the microphone yourself . For devices that have been opened by the customer the warranty will invalidate .
- Do not expose the product to rain, snow, liquids or moisture .
- Use the device only under the conditions specified in the technical specifications .
- Only use accessories and spare parts approved by the manufacturer .
-  Reduce the volume on the connected playback devices to prevent hearing damage, acoustic feedback and damage to the loudspeakers .

Intended use

-  Do not use the product in any way other than as described in this product manual . Beyer dynamic accepts

no liability for improper use of the product or its accessories .

Liability

 Beyer dynamic GmbH & Co . KG accepts no liability for damage to the product or injury to persons due to careless, improper incorrect use, that is not in accordance with the purpose stated by the manufacturer .

VARIANTS

The MC 930 is both available as individual microphone and stereo set .

- MC 930 Individual microphone Order # 730 .211
- MC 930 Stereo set Order # 730 .238

BOX CONTENTS MC 930 INDIVIDUAL MICROPHONE

- 1 x MC 930 microphone MC 930
- 1 x MA-CL 21 microphone clamp
- Storage case
- Individual measurement chart
- “M Series Guide” info sheet
- Technical specifications on the M series

BOX CONTENTS MC 930 STEREO SET

- 2 matched MC 930 microphones
- 2 x EA 19/25 elastic suspensions
- 2 x MA-CL 36 microphone clamps
- 2 x WS 53 wind shield
- Storage case
- Individual measurement chart
- “M Series Guide” info sheet
- Technical specifications on the M series

OPTIONAL ACCESSORIES

EA 19/25 Elastic suspension 19-25 mm, inch . MA-CL 36
microphone clamp Order # 407 .194
MA-CL 21 Microphone clamp Order # 727 .946
WS 101 Wind shield,
Colour: charcoal-grey Order # 111 .244
WS 53 Wind shield, small
Colour: charcoal-grey Order # 436 .607

FEATURES

- Flexible true condenser microphone
- Outstanding clear and detailed sound
- Switchable pre-attenuation (-15dB) and low-cut filter
- High sensitivity

- High impulse fidelity and good transient response
- Handcrafted in Germany

APPLICATION

The MC 930 is a flexible true condenser microphone with switchable -15 dB attenuation and low-cut filter . If you appreciate the clear sound and high impulse fidelity of small-diaphragm condenser microphones, the MC 930 is the right choice for you .

The MC 930 covers a wide range of application scenarios in the studio and on stage due to its compact design and the authentic and detailed sound character, whereby all post-processing options are also open . Whether for acoustic guitar, piano, harp, overheads, choir, orchestra, voice or solo instruments of any kind, there is almost no sound source where the MC 930 is not convincing .

For speech and vocal recordings from a short distance as well as for outdoor recordings, we recommend the WS 101 wind shield .

MC 930 Stereo Set

The MC 930 is also available as a matched stereo pair .

The individual microphones are selected by our experts on the basis of individual frequency response and sensitivity for the respective stereo pair .

The stereo set can be used to create professional stereo recordings in XY or ORTF configuration . The delivery includes two elastic suspensions incl . microphone clamps and two wind shields – so the stereo set can be used straight away .

TECHNICAL SPECIFICATIONS

Transducer type True condenser
 Operating principle Pressure gradient
 Frequency response 40 – 20,000 Hz
 Polar pattern Cardioid

Sensitivity

(0 dB = 1 V/Pa) 30 mV/Pa (= -30 .5 dBV)
 Nominal impedance 180 Ω
 Load impedance 1000 Ω

Max . SPL

at 1 kHz 125 dB
 with pre-attenuation 140 dB
 Signal-to-noise rationed . to 1 Pa 71 dB

A-weighted

equivalent SPL 16 dB
 Low-cut filter switchable, 6 dB/octave at 250 Hz

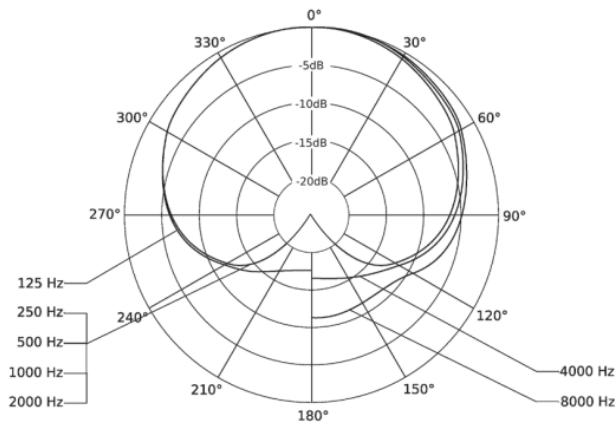
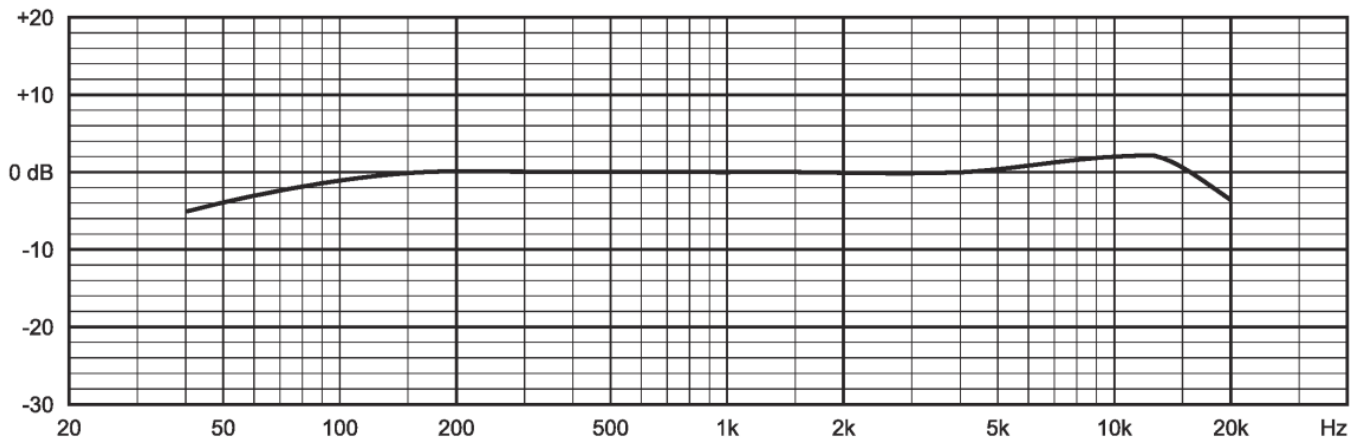
Power supply 11 – 52 V phantom power
 Current consumption 4 .6 mA
 Connection 3-pin XLR, male

Dimensions:

Length 128 mm
 Diameter 21 mm
 Weight 106 g

FREQUENCY RESPONSE & POLAR PATTERN

This polar pattern and frequency response curve correspond to a typical production sample for this microphone .



INSTALLATION AND OPERATION

Connection

- The MC 930 is equipped with a 3-pin XLR connector . You can connect it to any microphone input with phantom power (11 – 52 V) with a suitable microphone cable . Activate phantom power for this purpose .
- Caution:** Carelessly laid cables are a trip hazard . People can be injured and the microphone can be damaged .

Operation

- The MC 930 has an almost frequency-independent cardioid polar pattern . This means that the microphone picks up sound primarily from the front . In order to avoid feedback and noise as much as possible, you should position the microphone so that monitor speakers and other sound sources radiate directly from behind (angle 180°) onto the microphone . There, the cardioid polar pattern provides the best possible attenuation . Adjusting the pre-attenuation For higher sound pressure levels, you can use the right slide switch on the front of the microphone to switch on a pre-attenuation of 15 dB (imprint -15 dB) .
- Adjusting the low-cut filter
If a directional microphone (pressure gradient receiver) is used for short-range recordings, a physically induced increase in the low-frequency sound components occurs, which is referred to a proximity effect . In order to compensate this effect, the MC 930 has a switchable low-cut filter below 250 Hz on the front (left) with 6 dB per octave
- The MC 930 is supplied with the MA-CL 21 microphone clamp for tripods with 3/8" thread . For tripods with a

5/8" thread, you can unscrew the threaded insert .

- **Caution:** A tripod with an insecure stand can fall over and damage a microphone mounted on it . Make sure the tripod stands stable .

MAINTENANCE

- Use a soft cloth moistened with water to clean the microphone shaft .
- Make sure that no water enters the microphone .
- **Do not** use cleaning agents containing solvents .
- You can clean the WS 53 wind shield with clear water .
Let it completely dry before you use it again .

DISPOSAL



- This symbol on the product, in the operating instructions or on the packaging means that electrical and electronic devices must be disposed of separately from household waste at the end of their life cycle .
- Always dispose of used equipment in accordance with applicable regulations .
- Dealers for electronic equipment are generally obliged to take back waste electrical/electronic equipment free of charge . This obligation also applies to sales via remote communication .
- For further information, please contact the local authorities or the dealer from whom the product was purchased .

TROUBLESHOOTING AND SERVICE

- Should you have technical problems when using the microphone or should you need more instructions, please visit our FAQ website at <https://support.beyerdynamic.com>
- In case of service, please contact authorised service personnel . Never open the microphone yourself, as this could invalidate all warranty claims . Please visit our website <https://www.beyerdynamic.com> for service and replacement parts .

FURTHER INFORMATION

- If you need further information, please visit our website . On our product detail page <https://beyerdynamic.com/mc-930.html> and <https://beyerdynamic.com/mc-930-stereo-set.html> you will also find sound samples .
- If you would like to learn more about Beyer dynamic microphones for various applications, please visit <https://www.beyerdynamic.com/microphones-made-in-germany>

WARRANTY

Beyer dynamic offers a limited warranty of 2 years on the purchased Beyer dynamic product . The exact warranty conditions can be found on our website at <https://www.beyerdynamic.com/service/warranty>

CONFORMITY

Information on the conformity of the product can be found on our website at <https://www.beyerdynamic.com/downloads>



beyerdynamic

Beyer dynamic GmbH & Co. KG

Theresienstraße 8 • 74072 Heilbronn / Germany

Phone +49 7131 617-300 • E-Mail info@beyerdynamic.de




www.beyerdynamic.com

For further distributors worldwide, please go to www.beyerdynamic.com

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Documents / Resources

  	beyerdynamic MC930 True Condenser Microphone [pdf] User Manual MC930 True Condenser Microphone, MC930, True Condenser Microphone, Condenser Microphone
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References

-  [Kopfhörer & Mikrofone direkt vom Hersteller | beyerdynamic](#)
-  [MC 930 Stereo-Set: Echkondensatormikrofon-Set \(Niere\) |beyerdynamic](#)
-  [Headphones & Microphones |beyerdynamic](#)
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-  [MC 930 Stereo Set: True Condenser microphones \(cardioid\) |beyerdynamic](#)
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