

RØDE[®]
MICROPHONES



M2
Instruction Manual



www.rodemic.com

CE (EMC, LVD) 

Introduction

Thank you for choosing the **RØDE** M2 live condenser microphone.

The M2 benefits from **RØDE**'s extensive experience in crafting premium condenser microphones for studio, live and location use and is a direct result of the foundation set by the award winning S1.

Combining sound quality equal to that of the finest studio microphones with features such as integrated shock mounting to reduce handling noise and a tailored response to reduce feedback, the M2 is a sturdy versatile add to your live microphone kit.

Please take the time to visit **www.rodemic.com** and register your microphone for a full ten year warranty.

While there you can view studio tips and techniques, as well as browse a comprehensive range of accessories for the M2 and other **RØDE** microphones.



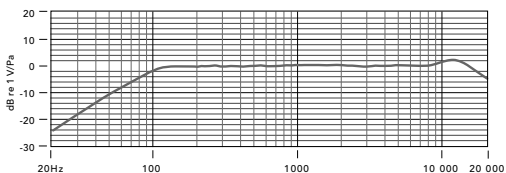
Peter Freedman
RØDE Microphones
Sydney, Australia

Specifications

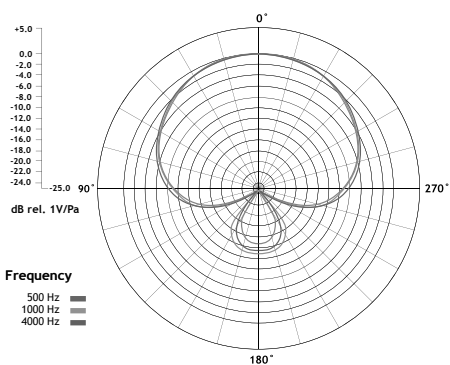
Acoustic Principle:	Pressure gradient
Polar Pattern:	Super-Cardioid (see graph)
Frequency Range:	35Hz ~ 20,000Hz (see graph)
Output Impedance:	50 Ω
Sensitivity:	-44dB \pm 2 dB re 1V/Pa (6.3mV @ 94 dB SPL) @ 1 kHz
Equivalent Noise:	23 dB SPL (A-weighted per IEC651)
Maximum Output:	5.2dBu (@1kHz, 1% THD into 1K Ω load)
Dynamic Range:	118 dB SPL (A-weighted per IEC651)
Maximum SPL:	141dB (@1kHz, 1% THD into 1K Ω load)
Signal/Noise:	71 dB SPL (A-weighted per IEC651)
Power Requirement:	Phantom P48, P24
Output Connection:	3-pin XLR
Net Weight:	308g
Dimensions:	Length: 187mm Width: 47mm

Specifications

Frequency Response



Polar Response



Accessories



RM1
stand mount



ZP1
zip pouch

Features

- Feedback rejecting super-cardioid pick up pattern
- Locking on/off switch
- Heavy-duty metal body
- High level of RF rejection
- Designed & manufactured in Australia
- Full 10 year guarantee*

Using the M2

- The M2 requires a power supply which for optimum results should be a 'P48' standard, 48 Volt DC Supply.

Most professional mixing consoles have an internal 48 V supply; alternatively you can purchase a separate supply. Ensure that the power supply you use is a professional unit that is operating correctly. Damage due to connection of the M2 to a faulty power supply is not covered by the warranty.

- The M2 comes complete with a microphone stand-mount (RM1). This should be used to attach the microphone to a good quality stand. The stand-mount includes a thread adaptor allowing connection to either 3/8" or 5/8" stand thread.
- Always use a high quality microphone cable and ensure that it is wired Pin 1 screen, Pin 2 (+), Pin 3 (-).

*Online product registration required.

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- We recommend that any connections made to the mixer or recorder are made with the attenuation (gain) set to OFF as well as the microphone switch set to OFF.
 - When first switching the mixer on and when phantom power has been applied to the M2, or when the microphone is switched on, you should allow several seconds for the microphone to stabilize.
 - To ensure the lowest noise/distortion your mixer input gain control should be set so that the Peak Program Indicator (PPI) LED flashes ON during peaks of the source (voice/instrument). If there is no PPI, adjust the input gain while listening for distortion of the sound. If distortion is heard, gradually reduce the gain until it is no longer present.
 - Microphone technique, or how to get the sound you want, requires experimentation.

We suggest that you start with the channel EQ set to 'OFF' or 'FLAT' (no boost or cut).



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- The M2's primary function is a live vocal microphone. When setting it up on stage, make sure the foldback monitors are positioned as pictured in Figure 1. This will direct the sound to the vocalist and towards the least responsive section of the M2's pick up pattern.



Figure 1.

- To avoid feedback and make full use of the M2's pick up pattern, it is best not to cup your hands over the head of the microphone, as shown in Figure 2.



Figure 2.

Storage

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- After use the M2 should be removed from its stand mount, wiped with a dry, soft cloth and placed in its protective zip pouch.
 - An absorbent crystal pack is supplied with the M2. This should stay in the zip pouch at the head of the microphone when not in use, as condensers are highly susceptible to moisture. When the crystals turn pink, they can be dried out in an oven at 100 - 150 degrees celsius for approximately ten minutes. Once they turn blue they can be reused.

Warranty

All **RØDE** microphones are warranted for one year from date of purchase. You can extend that to a full ten years if you register online at www.rodemic.com.

The warranty covers parts and labour that may be required to repair the microphone during the warranty period. The warranty excludes defects caused by normal wear and tear, modification, shipping damage, or failure to use the microphone as per the instruction guide.

If you experience any problem, or have any questions regarding your **RØDE** microphone, first contact the dealer who sold it to you. If the microphone requires a factory authorised service, return will be organised by that dealer.

We have an extensive distributor/dealer network, but if you have difficulty getting the advice or assistance you require, do not hesitate to contact us directly.

RØDE Microphones

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