

# **RØDE**<sup>®</sup>

M I C R O P H O N E S



## **S1**

# **Instruction Manual**



[www.rodemic.com](http://www.rodemic.com)

CE (EMC, LVD) 

# Introduction

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The S1 is the result of over 30 years experience in stage sound technology.

The design brief was simple- build the best vocal mic in the world! How do you achieve that? Well, you need to have a sound quality that is equal to the finest studio microphones, and certainly **RØDE** has the experience to make this happen!

The studio quality is a great start, but for live use the microphone must not suffer from feedback, handling or plosive noise. It must also have a tailored response that takes into consideration the proximity effect. What else? It must be able to take the knocks and bumps of the road! The S1 does it all, and in my opinion, is the best looking vocal mic around.

While using the S1 is quite simple, and there are not many things you need to learn, please take a moment to read through this user manual, and then visit [www.rodemic.com](http://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 the comprehensive range of accessories for **RØDE** microphones. Thank you for investing in your S1 live condenser microphone.



Peter Freedman  
**RØDE** Microphones  
Sydney Australia

# Specifications

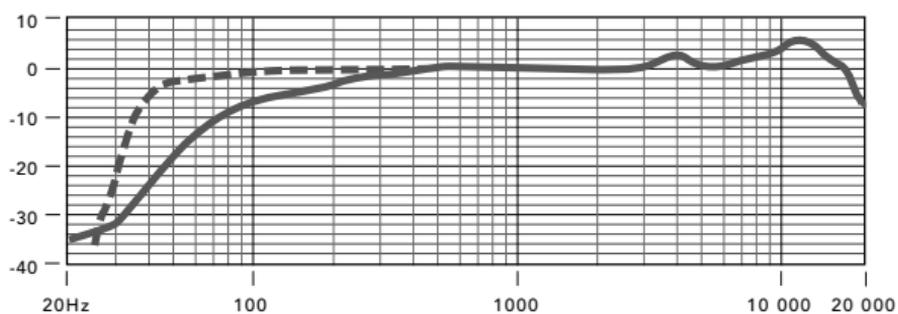
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<b>Acoustic Principle:</b>	Pressure gradient
<b>Directional Pattern:</b>	Super Cardioid (See graph)
<b>Frequency Range:</b>	20 Hz - 20 kHz (see graph)
<b>Output Impedance:</b>	50 $\Omega$
<b>Sensitivity:</b>	-46 dB re 1 Volt/Pascal (5 mV @ 94 dB SPL) +/- 2 dB @ 1kHz
<b>Equivalent Noise:</b>	18 dB SPL (A - weighted per IEC651)
<b>Maximum Output:</b>	+12.5dBu (@ 1kHz, 0.7% THD into 1K $\Omega$ load)
<b>Dynamic Range:</b>	132 dB (per IEC651, IEC268-15)
<b>Maximum SPL:</b>	151dB SPL (@ 1kHz, 0.7% THD into 1K $\Omega$ load)
<b>Signal/Noise:</b>	75 dB SPL (A - weighted per IEC651)
<b>Power Requirement:</b>	P48 (48V) phantom supply
<b>Output Connection:</b>	3-Pin XLR
<b>Net Weight:</b>	308gm

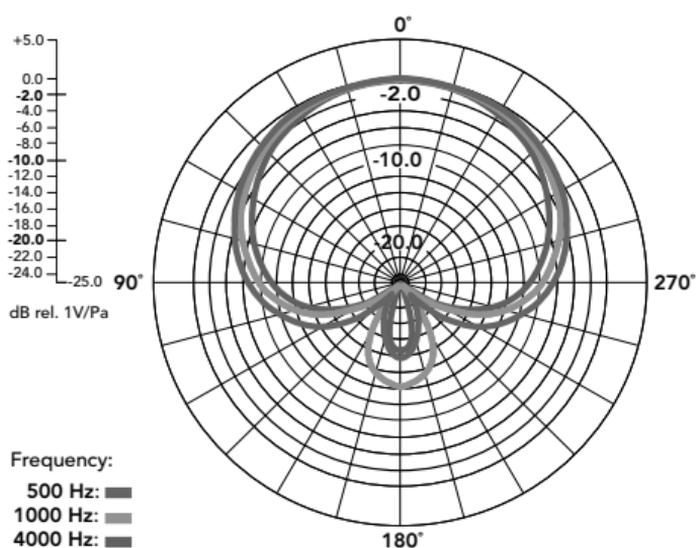
# Specifications

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## Frequency Response



## Polar Response



# Accessories

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RM1 Stand mount



ZP1 Zip pouch

# Features

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- Studio recording-quality specification
- Supercardioid polar pattern
- Rugged all-metal construction
- Attractive satin nickel/black finish.
- Heat treated high strength mesh head
- Custom designed internal plosives screen
- Low handling noise
- Made in Australia
- 10 Year warranty\*



\*Online product registration required.

# Using the S1

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- The S1 is a phantom powered microphone. To operate correctly it requires a 48V phantom supply from the mixing console, PA head or other source.
- It is recommended that you use a high-quality microphone lead, and keep it as short as practical for your stage set up. This will ensure the highest quality sound reproduction.
- When using stage monitors, set them up as shown below. This will direct the sound to your ears and towards the least responsive part of the S1's pick up pattern.



While PA set up is well beyond this manual, if you want to get the best sound possible with the least problems, we recommend a book by Australian audio legend Duncan Fry, titled "Live Sound Mixing".

# Using the S1

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A quick tip to reduce feedback - never put your hands over the ball head. This can significantly change the pick-up area of the mic, and can cause feedback. And of course, never point the front of mic at the speakers!

- The ball head of the S1 is an engineering marvel. Made up of five separate mesh screens the outer is heat-treated steel, which has been bead-blasted and nickel-plated. Internally we have stainless steel meshes as well as a final nylon mesh. These filters are design to remove vocal plosives, while not affecting the frequency response. The mesh head can be unscrewed and washed in soap and water. Please fully dry the head before re-assembly and be sure to take care with the mic once the head has been removed.

## Storage

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- After use the S1 should be wiped with a dry, soft cloth and placed in its protective case.
- Be sure to place the moisture-absorbent crystals (supplied) at the head of the microphone, so as to absorb any moisture present.
- Eventually this pack of crystals will need to be dried. This is indicated by the crystals turning pink in colour.
- They can easily be re-used by placing them in an oven at 100 - 150 degrees celsius for approximately ten minutes. The crystals will operate effectively again once they have turned blue.

# Warranty

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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

### **International**

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### **USA**

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### **Technical Support**

For information and technical support questions contact:  
support@rodemic.com

In the Unites States and Puerto Rico, contact  
usasupport@rodemic.com or call 425 398-1910

In Australia, contact ozsupport@rodemic.com or call (02) 9648 5855

Anywhere except Australia, the United States and Puerto Rico,  
contact support@rodemic.com or call +61 2 9648 5855