

**RØDE**<sup>®</sup>  
MICROPHONES



# S1

Instruction  
Manual



# **RØDE** S1

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The **RØDE** 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; we know how to do that!

That's great, 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!

I am so confident in this microphone that I am backing it with a full 5-year guarantee.

While using the S1 is quite simple, and there are not many things you need to learn, please take the trouble to read this manual, there are some basic tips that will ensure you get the very best performance from your microphone.

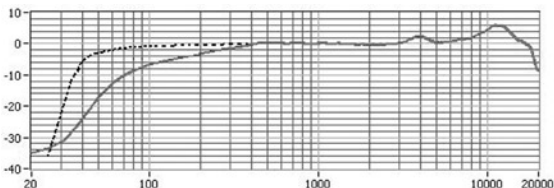
## **Peter Freedman**

Rode Microphones  
Sydney Australia

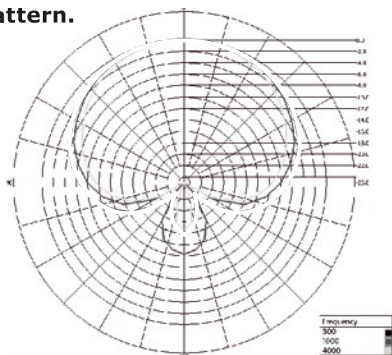
# RØDE S1 Specifications

<b>Acoustic Principle:</b>	Externally polarised condenser, pressure gradient transducer.
<b>Directional Pattern:</b>	Hyper Cardioid.
<b>Frequency Response:</b>	20 Hz ~ 20 kHz (See graph)
<b>Output Impedance:</b>	50 $\Omega$
<b>Sensitivity:</b>	-46.5 dB re 1 Volt/Pascal (4.7 mV @ 94 dB SPL) +/- 2 dB into 1k $\Omega$
<b>Equivalent Noise:</b>	19 dBA SPL (per IEC651, IEC268-15)
<b>Maximum Output:</b>	+12.5 dBu (@ 0.7% THD into 1k $\Omega$ )
<b>Dynamic Range:</b>	132 dB (per IEC651, IEC268-15)
<b>Maximum SPL:</b>	151 dB (@ 0.7% THD into 1k $\Omega$ )
<b>Signal/Noise:</b>	75 dB (1kHz rel 1 Pa; per IEC651, IEC268-15)
<b>Power Requirements:</b>	Phantom P48 4.4mA

## S1 Frequency Response.



## S1 Polar Pattern.



## **RØDE** S1 Features

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- Studio Recording quality specifications.
- Rugged all metal construction.
- Attractive satin nickel finish.
- Heat treated high strength mesh head.
- Custom designed integral plosives screen.
- Ergonomically balanced.
- Low noise circuitry.
- Low handling noise.
- Comes complete with stand mount & zip pouch.
- Designed and manufactured in Australia.
- Full 5 years guarantee.



**ZP1** - Zip Pouch



**M1** - S1 Microphone Clip

**S1** Microphone

# RØDE Usage Guidelines

While some of you will be seasoned audio pros, I still recommend everyone read the following before you start!

The S1 is a Phantom powered microphone. It will not work unless you have a 48V phantom supply. This will either come from the mixing console, PA head or you can purchase a separate supply.

You will need a good quality low loss microphone cable. Spend the money on a good one; it will pay off in the long run. Keep it as short as practical for your stage set up.

When using stage monitors, set them up as per Figure 1. This will direct the sound to your ears and towards the least responsive part of the S1's pick up pattern.

While P.A set up is well beyond this manual, if you want to get the best sound possible with the least problems, I can recommend a book by the Oz Audio legend, Duncan Fry. His book is called 'Live Sound Mixing'.



Fig. 1

A quick no feedback tip, never put your hands over the ball head. It may look cool, but it changes the pick-up area of the mic, and can cause feedback (see Figure 2)!

Don't point the front of mic at the speakers either!

While the S1 has been designed to be taken on the road, it is a precision device and should be treated accordingly.

Remember, condenser microphones do not like moisture.

I would recommend wiping it down after use, and keep the absorbent crystals that are supplied with your S1, in the zip pouch with the mic. They absorb moisture and can be used many times by simply drying them out in the oven. When the crystals have turned pink, its time to dry them out again.



Fig. 2

## **RØDE** Usage Guidelines con't

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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.

We hope the information we have provided helps you get the best from your microphone. If you have any difficulties, please don't hesitate to contact us at:

**support@rodemic.com**

## **RØDE** Warranty Services

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All **RØDE** products are warranted from date of purchase and the warranty card should be used to register that purchase.

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 problems, or have any questions regarding your **RØDE** microphone, first, contact the dealer who sold it to you. If the microphone requires factory authorized service, that dealer will organise return. 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 or contact your local distributor.

# **RØDE** Technical Support

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For information and technical support questions contact:

**support@rodemic.com**

In the United States and Puerto Rico, contact

**support@rodemic.com**

877 3287 7456 toll free, or

3103287456

In Australia, contact:

**support@rodemic.com**, or

02 9648 5855

Anywhere except Australia, The United States and Puerto Rico, contact:

**support@rodemic.com**

61 2 96485855 (Australia)

# **RØDE** Contact Details

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## **International:**

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or

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## **USA:**

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Ph: 310-328-7456

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