

### S1

#### Super Cardioid Condenser Microphone

The **RØDE S1** is a professional quality microphone, specifically designed for live vocal performance. The S1 employs a true condenser transducer for optimal sound reproduction. The frequency response is tailored to ensure clear vocals while reducing handling noise. The unidirectional (super cardioid) pick up pattern limits background noise and reduces the susceptibility to feedback.

The five piece mesh head provides filtering of breath, wind, and plosive noise whilst not interfering with the S1's sensitivity or frequency response. The hardened mesh head also protects the precision condenser transducer from air borne contaminants and possible impact during performance and transit. The ergonomic design of the S1 also makes it extremely comfortable to hold and control during performance.

The S1 requires P48V phantom supply and will work with most professional mixing consoles that incorporate this standard. The high level output of the S1 is electronically balanced to reduce loss over long cable runs with the additional benefit of high level rejection of electromagnetic interference.

#### Features

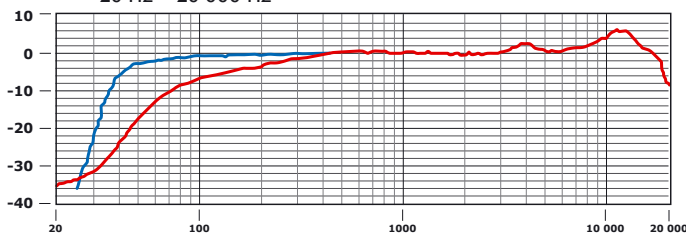
- Studio recording quality.
- Rugged all metal construction.
- Attractive satin-nickel finish.
- Heat treated high strength mesh head.
- Custom designed integral 'plosive' screen.
- Ergonomically weighted & balanced.
- Low noise circuitry.
- Low handling noise.
- Complete with stand mount & zip pouch.
- Designed & manufactured in Australia.
- Full 10 year guarantee.

#### Specifications

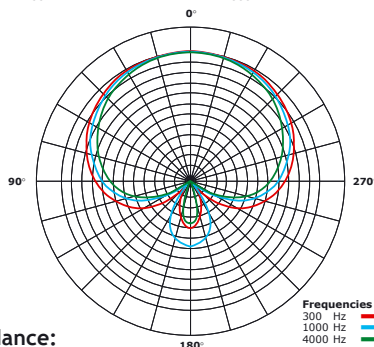
**Acoustic principle:**  
Externally polarised condenser, pressure gradient transducer.

**Directional pattern:**  
Supercardioid.

**Frequency range:**  
20 Hz - 20 000 Hz



Polar pattern



**Output impedance:**  
50 Ω

**Signal/Noise ratio DIN/IEC 651:**  
75 dB (1kHz rel 1 Pa; per IEC651, IEC268-15)

CE (EMC, LVD) N3594

v3 - 31/08/05 Specifications subject to change without notice.

#### Operation

##### Power

The S1 is designed to operate from phantom power to the P48 standard. It may be supplied from either an external stand alone phantom supply or from a console with internal supply.

The S1 will operate between 44V and 52V applied with positive polarity to pin 2 and pin 3 of the output XLR connector.

##### Output Impedance

The S1 will operate satisfactorily into a load impedance as low as 1kΩ. If a load below this is used, the output signal level will be reduced.

The S1 output is balanced between pin 2 (hot) and pin 3 (cold). Pin 1 is ground.

##### Equivalent noise:

18 dBA SPL (per IEC651, IEC268-15)

##### Maximum SPL:

151 dB (@ 0.7% THD into 1kΩ)

##### Sensitivity at 1 kHz into 1 kΩ:

-46.5 dB re 1 Volt/Pascal  
(4.7 mV @ 94 dB SPL)  
+/- 2 dB into 1kΩ

##### Maximum output voltage:

+12.5 dBu (@ 0.7% THD into 1kΩ)

##### Dynamic range of the mic. amplifier DIN/IEC 651

132 dB (per IEC651, IEC268-15)

##### Power (Supply voltage):

Phantom supply voltage - 44V to 52V  
Current consumption - 4.4 mA

##### Polarity:

A positive acoustic pressure applied to the diaphragm results in a positive voltage excursion at pin 2 with respect to pin 3 at the output XLR connector.

##### Connector:

XLR 3F

##### Weight approx.:

300gm

##### Dimensions:

