

# **RØDE<sup>®</sup>**

**M I C R O P H O N E S**



## **NT1000**

### **Instruction Guide**



**RØDE STUDIO CONDENSER MICROPHONES**



**CE** (EMC, LVD)



# RØDE NT1000

Serial Number: .....

Checked by: .....

Date:.....

This condenser microphone has been proudly designed and manufactured by **RØDE** Microphones in Sydney, Australia.

We at **RØDE** thank you for investing in our product and with the appropriate care, it will serve you well for many years to come.

Please take the time to read the following information which will help you to achieve the best possible performance from your NT1000.

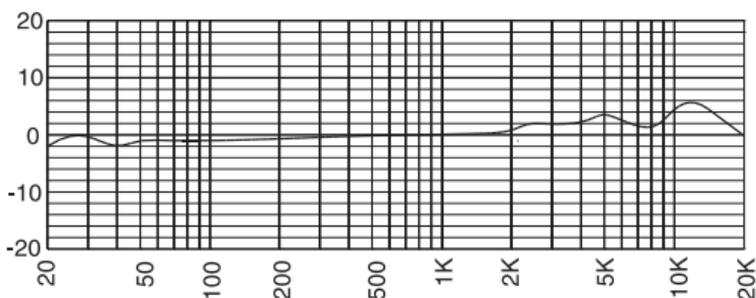


Peter Freedman  
**RØDE** Microphones

## **SPECIFICATIONS:**

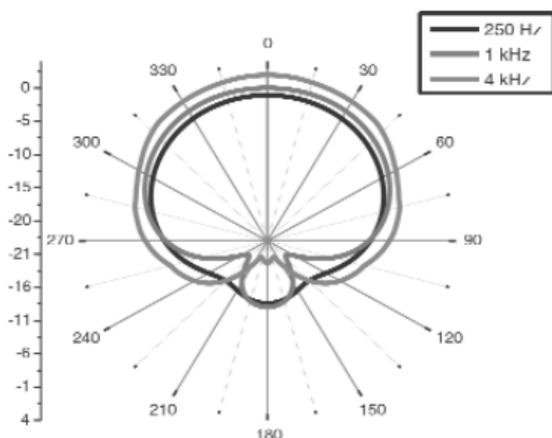
- Capsule: Externally polarised pressure-gradient condenser.
- Active Electronics: Unity-gain closed-loop impedance converter; JFET input with bipolar buffering.
- Polar Pattern: Cardioid
- Frequency Response: 20 Hz ~ 20 kHz (+/-6dB)
- Output Impedance: 100 ohms (50 ohms per leg)
- Sensitivity: -36dB re 1V/Pa (16mV @ 94dB SPL) +/-1dB
- Equivalent Noise: 6dB SPL (A-weighted, per IEC268-15) +/-1dB
- Maximum Output: +13dBu @ 1kHz, 1% THD into 1Kohm load
- Dynamic Range: >134dB (A-weighted, per IEC268-15)
- Maximum SPL: >140dB SPL @ 1kHz, 1% THD into 1Kohm load
- Signal/Noise Ratio: >88dB (A-weighted, per IEC268-15)
- Power Requirements: 6mA @ P48 (35V -53V)
- Packed Weight: 882gm
- Microphone Only: 682gm

## **FREQUENCY RESPONSE**



NT-1000

## **POLAR PATTERN**



## **FEATURES:**

- Large capsule with gold-plated membrane
- Ultra low noise transformerless circuitry
- Cardioid polar pattern
- Durable satin nickel finish
- High strength welded and heat-treated mesh head
- Internal capsule shock-mounting
- True condenser (externally biased)
- Full frequency response

## **ACCESSORIES INCLUDED:**

- Zip Pouch (ZP1) (see 1)
- Stand Mount (M2) (see 2)

## **OPTIONAL ACCESSORY:**

- Shock Mount (SM2) (see 3)

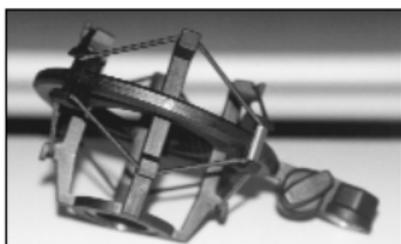
1.



2.



3.



- The NT1000 requires a power supply which for optimum results should be a 48 VDC Supply. Most professional mixing consoles have an internal 48V 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 NT1000 to a faulty power supply is not covered by guarantee.
- The NT1000 comes complete with a microphone stand-mount (SM1). 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.

- When first connecting the NT1 to a mixing console, we suggest that you have the Gain control adjusted to full attenuation.
- Please make all cable connections before applying power to the microphone, and never remove the microphone cable while the power is connected. Ensure that the microphone cable is balanced and connected Pin 2+, Pin 3 – and Pin 1 screen.
- Check that you have the NT1000 correctly connected. You can connect the microphone directly to the mixer (without an external supply) if 48V is available on the mixer.
- Switch on the Power Supply/Mixer. The microphone will take about six seconds to stabilize.
- Adjust the mixer gain so that the Peak light flashes on the peaks of the program source to be recorded (Voice/Instrument). You are now ready to use the NT1000.
- Microphone technique and 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). Try to get the sound you want by placing either reflective or absorbent panels at various angles adjacent to the source being recorded. Changing the acoustic properties of the space the microphone is in is our recommended initial approach for obtaining the best sound quality. (Remember, you cannot change a rooms acoustic properties with EQ).

When you have the best sound quality achievable with this approach, then equalization and effects such as reverb or indeed any other signal-processing can be used for enhancement, but should be used sparingly.

### **Some tips that may be helpful:**

1. Condenser microphones do not like moisture! The NT1000, like all studio microphones, should be kept dry at all times. The capsule will be subjected to a lot of moisture during vocal applications, and we strongly suggest the use of a 'Pop-Stop' type screen for all vocal work.
2. This microphone is a precision transducer and should be cared for as such. Dropping, or knocking the NT1000 could damage it so please take care. Fix the microphone securely to a dedicated microphone stand using either the Stand Mount (M2) supplied, or the optional Shock Mount (SM2).
3. After use, the NT1000 should be removed from its stand, wiped with a dry soft cloth and placed in its protective pouch. Be sure to place the pack of moisture-absorbent crystals (silica gel) at the head of the microphone. The crystals will absorb any moisture present. Eventually this pack will need to be dried. When the crystals have turned pink, the pack should be placed in an oven set to between 100-150 degrees C. They will be activated when they have turned blue.

**Note:** There are no user-serviceable parts inside this microphone and so there will never be a reason for you to dismantle it. To protect your warranty, any service that requires dismantling must be performed by a qualified **RØDE** service agent.

### **Warranty Service:**

All **RØDE** products are warrantied for one year from your date of purchase and the warranty card or on-line registration ([www.rodemicrophones.com](http://www.rodemicrophones.com)) should be used to register your microphone.

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, 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 you have any difficulty obtaining the advice or assistance you require, do not hesitate to contact us directly.

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