

RØDE[®]
MICROPHONES



NT 1
Instruction Guide

RØDE STUDIO CONDENSER MICROPHONES

RØDE NT1

Serial Number:

Checked by:

Date:

Thank you for purchasing a **RØDE NT 1**.

To achieve the best performance, and to obtain a lifetime of service, we urge you to spend a few minutes reading this manual.

When we started the **NT 1** design project, our goal was to produce a professional recording microphone that was equal to the worlds best; a microphone that had the magic '**RØDE** sound' made famous by the **NT 2** and **Classic**. That goal has been achieved.

You have joined thousands of other satisfied customers world-wide who choose and recommend **RØDE** above any other make, regardless of price.

As a **RØDE** customer, you are very important to us. We have a world-wide distributor and dealer network. If however, you cannot get the assistance or advice you need, please do not hesitate to contact me directly.

Company History

RØDE is the main manufacturing division of Freedman Electronics. Freedman Electronics was founded by Henry and Astrid Freedman in 1966 after emigrating from Sweden where Henry's long and illustrious audio career began.

The company is based in Sydney Australia, home of the 2000 Olympic games. Electronics design, testing and manufacturing is performed at this facility. The Engineering of the metal work is performed at a dedicated C.N.C. facility located 250 km from the city.

We hope you are and will continue to be satisfied with your purchase.



Peter Freedman

RØDE Australia

SPECIFICATIONS:

Capsule: 1" Pressure Gradient Transducer

Frequency Response: 20 Hz –20 kHz

Noise: 17dB

Sensitivity: 18 mV/Pa

Max SPL: 135db

Output Impedance: 200 ohm

Power Requirement: 48V D.C.

Current Consumption: 3.5 mA

Weight: 320 gm

Features:

- Large Capsule with Gold-Plated Membrane.
- Ultra Low-Noise Transformerless Circuitry
- Cardioid Polar Pattern
- Full Frequency Response
- Gold Plated Output Connector

Accessories:

Stand Mount (RM 1)

Custom Zip Pouch

1. You will need a power supply to operate the NT1. For optimum results, this should be a 48V D.C. supply.
Most professional mixing consoles have an internal 48V supply, or you can purchase a separate supply. Make sure the power supply you use is a professional unit that is operating correctly. Damage due to connection of the NT 1 to a faulty power supply is not covered by the guarantee.
2. The NT1 comes complete with a Microphone Stand Clip. This must be used to attach the NT 1 to a 'stable' microphone stand. (Studio Microphones do not like to be dropped!)
3. When first connecting the NT 1 to a mixing console, we suggest that you have the Gain control adjusted to FULL attenuation.
4. Please make all cable connections before applying power to the microphone. Never remove the microphone cable while the power is connected.
5. Check that you have the NT 1 correctly connected. You can connect the microphone directly to the mixer (without an external supply) if 48V is available on the mixer.

Always use a balanced (3 pin XLR style) microphone cable. Note: Be sure that the cable is a wired Pin 1 screen, Pin 2+ Pin 3-.

We suggest you purchase a cable with gold plated plugs, as contact resistance due to corrosion is a major cause of problems in all sound systems.

6. 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 NT 1.
7. 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). 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 room's 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! NT 1, like all studio mics should be kept dry at all times. The capsule will be subjected to a lot of moisture in vocal applications, and we strongly suggest the use of a 'Pop-Stop' type screen be used for all vocal application.

IMPORTANT

The Mesh/Grille of the NT 1 is very open, to allow for the ultimate in natural/open sound recording. While the benefits of this design are obvious, problems can occur when recording vocals as plosives may bottom-out the capsule. For this reason we strongly recommend a Pop Stop device be used in all vocal applications.

2. This microphone is a precision transducer and should be cared for as such. Dropping or knocking the microphone can damage it and so please take care. Fix the microphone securely to a dedicated microphone stand using either the Mount RM1 supplied, or the Shock Mount (Optional) SM1.

*After every use, the NT 1 should be removed from its stand, wiped down with a dry soft cloth, and placed in its case. Be sure to place the moisture-absorbent crystals (small pouch) at the head of the microphone. The crystals will absorb any moisture present. Eventually, this pack needs to be dried. When the crystals have turned pink, the pack should be placed in an oven set to between 100-150°C. They will be activated when they turn blue.

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

Warranty Service:

All **RØDE** products are warranted for one year 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, 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 Factory authorized service, return will be organized by that Dealer.

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or contact your local **RØDE** Distributor