

# RØDE<sup>®</sup>

M I C R O P H O N E S




## NT5

### Instruction Manual



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

CE (EMC, LVD) 

# Introduction

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Thank you for investing in the **RØDE** NT5 studio condenser microphone.

Whether you've purchased this mic on its own, or as a part of a matched pair set, I'm confident that you will find the NT5 is a masterpiece of small-diaphragm cardioid-condenser microphone design.

Please take the time to 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 the NT5 and other **RØDE** microphones.



Peter Freedman  
**RØDE** Microphones  
Sydney, Australia

# Specifications

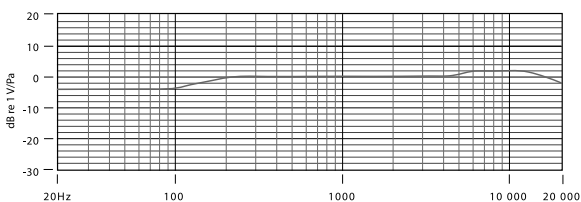
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|-----------------------------|---|
| <b>Acoustic Principle:</b>  | Pressure gradient   |
| <b>Directional Pattern:</b> | Cardioid<br>(see graph)   |
| <b>Frequency Range:</b>     | 20Hz ~ 20,000Hz<br>(see graph)                                    |
| <b>Output Impedance:</b>    | 100 $\Omega$  |
| <b>Sensitivity:</b>         | -38dB re 1V/Pa @ 1kHz<br>(12mV/Pa @ 94dB SPL)<br>$\pm$ 2dB @ 1kHz |
| <b>Equivalent Noise:</b>    | <16dBA SPL<br>(per IEC651)  |
| <b>Maximum Output:</b>      | +13.9dBu<br>(@ 1kHz, 1% THD into 1k $\Omega$ )                    |
| <b>Dynamic Range:</b>       | >128dB (per IEC651)   |
| <b>Maximum SPL:</b>         | 143dB<br>(@ 1kHz, 1% THD into 1k $\Omega$ )                       |
| <b>Signal/Noise:</b>        | 78dB SPL<br>(@ 1kHz, rel 1Pa per IEC651)                          |
| <b>Power Requirement:</b>   | Phantom P48, P24  |
| <b>Output Connection:</b>   | 3-pin XLR   |
| <b>Net Weight:</b>          | 100g  |
| <b>Dimensions:</b>          | 118 x 20 x 20mm   |

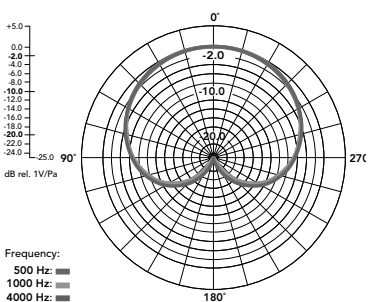
# Specifications

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## Frequency Response



## Polar Response



# Accessories

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## Single



stand mount



windshield

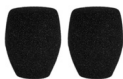


zip pouch

## Matched Pair



2 x stand mounts



2 x windshields



hard case

# Features

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- Full (externally biased) Condenser
- Gold sputtered ½" capsule
- Heavy-duty satin nickel-plated body
- Surface mount technology
- Low noise
- Full frequency response
- Designed & manufactured in Australia
- Full 10 year guarantee\*

## Using the NT5

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- The NT5 requires a power supply which for optimum results should be a 'P48' standard, 48 Volt DC Supply.

Most professional mixing consoles have an internal 48 V 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 NT5 to a faulty power supply is not covered by the warranty.

- The NT5 comes complete with a microphone stand-mount (RM5). 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.
- Always use a high quality microphone cable and ensure that it is wired Pin 1 screen, Pin 2 (+), Pin 3 (-). You may of course use XLR-XLR, XLR-jack or XLR-mini-jack depending on your input socket.

\*Online product registration required.

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- We recommend that any connections made to the mixer or recorder are made with the attenuation (gain) set to OFF.
  - When first switching the mixer on and phantom power has been applied to the NT5, or when the battery power has just been switched on, you should allow several seconds for the microphone to stabilize.
  - To ensure the lowest noise/distortion your mixer input gain control should be set so that the Peak Program Indicator (PPI) LED flashes ON during peaks of the source (voice/instrument). If there is no PPI, adjust the input gain while listening for distortion of the sound. If distortion is heard, gradually reduce the gain until it is no longer present.
  - 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 around the microphone is our recommended initial approach for obtaining best sound quality. Remember you cannot change a room's acoustic properties with EQ.

When the preferred sound has been achieved (as above) then EQ and effects such as reverb or indeed any signal processing can be used for enhancement, but should be used sparingly.

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- Please note that whether using NT5s in mono, stereo, as overheads or for close miking of instruments, there is no substitute for experimentation in achieving optimum positioning.

Move the NT5, adjust the gain, and ensure that the sound you are monitoring is the sound you prefer. If it is not, make adjustments.

The NT5's frequency response and SPL handling enable it to respond well to most musical instruments and with correct use, we are confident of your satisfaction.

It is important that you listen to the sound source naturally before you begin mic set up for recording (ears only). If you don't like what you hear, you won't like what you record!

## Storage

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- After use the NT5 should be removed from its stand mount, wiped with a dry, soft cloth and placed in its protective zip pouch or case with the supplied moisture-absorbent crystals.
- Be sure to place the moisture-absorbent crystals (supplied) at the head of the microphone(s), 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](http://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

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### **Technical Support**

For information and technical support questions contact:  
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