

# RØDE<sup>®</sup>

M I C R O P H O N E S



## NT5

### Instruction Guide



**RØDE STUDIO CONDENSER MICROPHONES**

**interstage**

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CE (EMC, LVD)



# RØDE NT5

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 NT5.

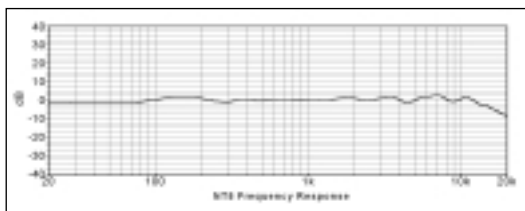


Peter Freedman  
**RØDE** Microphones

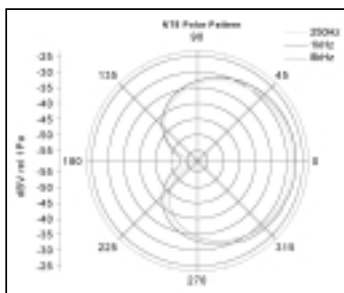
## **SPECIFICATIONS:**

Capsule:	Externally polarised 1/2" (13mm) pressure-gradient condenser.
Active Electronics:	J-FET Impedance converter with bipolar output buffer.
Pickup Patter:	Cardioid (see graph).
Frequency Response:	20Hz to 20kHz (see graph)
Sensitivity:	-38 dB re 1v/Pa +/- 2dB equivalent to 12mV/Pa where 1 Pa = 94 dB SPL.
Equivalent Noise:	<16dB SPL (A-weighted per IEC268-15)
Maximum Output:	+13.9 dBu @ 1% THD into 1k
Dynamic Range:	>128 dB
Maximum SPL:	143 dB @ 1% THD into 1k
Signal/Noise Ratio:	78 dB
Power Requirements:	P48, P24, P12 phantom or 9V Battery.
Packed Weight:	1.8kg (Mic only 100g)
Dimensions:	Diameter: 20mm Length: 118mm

## **FREQUENCY RESPONSE**



## **POLAR PATTERN**



## **FEATURES:**

- Full (externally biased) Condenser
- Gold sputtered 1/2" capsule
- Heavy duty satin-nickel-plated body
- Surface mount technology.
- Low noise
- Full frequency response
- Custom WS5 Wind Shield
- Custom RM5 Stand Mount
- Supplied as a matched pair in Custom Carry Case.

## **ACCESSORIES INCLUDED:**

- RM5 Stand Mount x 2 plus 3/8"x5/8" Thread Adaptor x 2
- WS5 Wind Shield x 2
- Custom Carry Case

1. 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 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 NT5 to a faulty power supply is not covered by guarantee.

2. The NT5's come 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.
3. When first connecting an NT5 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, and never remove the microphone cable while the power is connected. Ensure that the microphone cable is connected Pin2 +, Pin 3 – and Pin 1 Earth (Ground).

5. Switch on the Power Supply/Mixer. The microphone will take about six seconds to stabilize.
6. Adjust the mixer gain so that the Peak light flashes on the peaks of the 'program source' to be recorded (Instrument or voice). You are now ready to use the NT5.
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.

This user manual is not intended as a lesson in microphone and recording technique; many excellent publications are available with that objective, but please note that whether using NT5's in mono, or stereo, as overheads, or for close mic'ing, there is no substitute for experimentation in achieving optimum positioning.

Move the NT5's, adjust the gains, 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! A bad sounding guitar, voice or drum will record that way!

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

1. Condenser microphones do not like moisture! The NT5, like all studio microphones, should be kept dry at all times.
2. This microphone is a precision transducer and should be cared for as such. Dropping, or knocking the NT5 could damage it so please take care. Fix the microphone securely to a dedicated microphone stand using the Stand Mount (RM5) supplied.
3. After use, the NT5 should be removed from its stand, wiped with a dry soft cloth and placed in its case. 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 warranted for one year from date of purchase. The warranty card or on-line registration ([www.rodemic.com](http://www.rodemic.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.

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