

NT2-A

Multi Pattern 1" Condenser Microphone

The new **RØDE** NT2-A is a professional large capsule (1") condenser studio microphone with variable pick-up pattern, variable high pass filter and variable pad. These features provide greater creative control and versatility.

Three 3-position switches located on the mic body provide the freedom to step from Figure 8, Cardioid or Omni polar pick-up patterns; from a flat response to either 80 Hz or 40 Hz high-pass filter and a Pad adjustment of 0 dB, -5 dB or -10 dB attenuation.

The heart of the NT2-A is the Australian designed and manufactured TYPE HF1 dual diaphragm capsule. The frequency and transient response of this new transducer has been voiced to complement today's modern recording techniques, and yet still evoke the silky smooth character of the legendary microphones of the 50's and 60's. The NT2-A includes a soft pouch and clip.



Features

- The Australian designed and manufactured HF1 1" edge terminated, gold sputtered, dual 5 um diaphragm capsule.
- 3-position variable polar pattern: Omni, Cardioid & Figure 8; all controlled on the mic.
- 3-position variable high-pass filter: Flat, 80 Hz or 40 Hz.
- 3-position variable pad: 0 dB, -5 dB or -10 dB.
- Ultra low noise, transformerless SMT circuitry.
- Wide dynamic range.
- High strength heat-treated steel mesh head.
- Durable satin nickel finish.
- Internal capsule shock mounting.
- Supplied complete with soft pouch and clip.
- Designed and manufactured in Sydney, Australia.

Operation

Power

The NT2-A is designed to operate from phantom power to the P48 standard.

The NT2-A will operate between 44V and 52V applied with positive polarity to pin 2 and pin 3 of the output XLR connector.

Output Impedance

The NT2-A will operate satisfactorily into a load impedance as low as 1 kΩ. If a load below this is used, the output signal level will be reduced.

The NT2-A output is balanced between pin 2 (hot) and pin 3 (cold). Pin 1 is ground.

Specifications

Acoustic principle:

Externally polarized 25 mm (1") dual diaphragm.

Directional pattern:

Multi-pattern (see graphs over).

Frequency range:

20 Hz - 20 000 Hz (see graphs over)

Polar patterns:

(See graphs over)

Output impedance:

200 Ω

Signal/Noise ratio DIN/IEC 651:

87 dB (1 kHz rel 1 Pa; per IEC651, IEC268-15)

Equivalent noise:

7 dBA SPL (per IEC651, IEC268-15)

Maximum SPL:

147 dB (@ 1% THD into 1 kΩ)

157 dB (@ 1% THD into 1 kΩ) - pad at maximum

Sensitivity at 1 kHz into 1 kΩ:

-36 dB re 1 Volt/Pascal

(16 mV @ 94 dB SPL) +/- 2 dB

Maximum output voltage:

+16 dBu (@ 1% THD into 1 kΩ)

Dynamic range of the mic. amplifier DIN/IEC 651

140 dB (per IEC651, IEC268-15)

Power (Supply voltage):

48 Volts (P48)

Output Connection:

3 pin XLR, balanced output between pin 2(+) and pin 3(-).

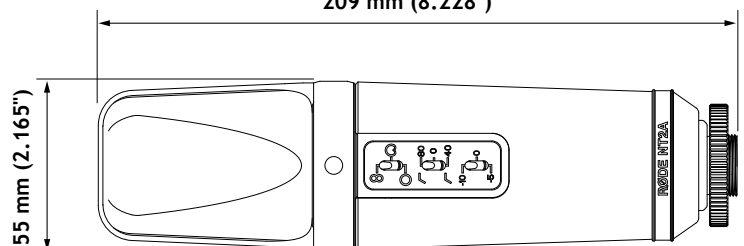
Pin 1 ground

Weight approx.:

860 grm (4.23 oz)

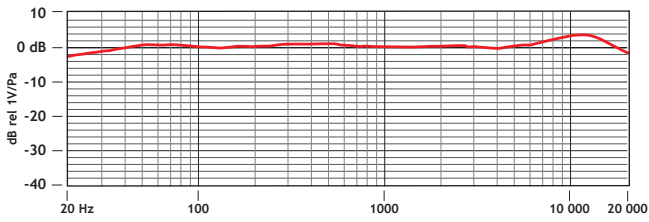
Dimensions:

209 mm (8.228")

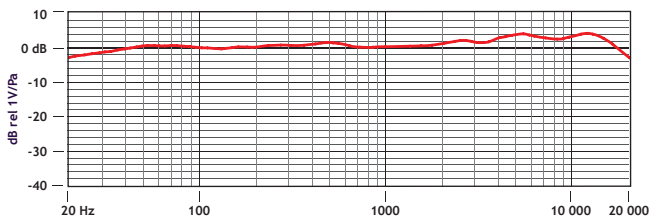


Specifications - cont'd

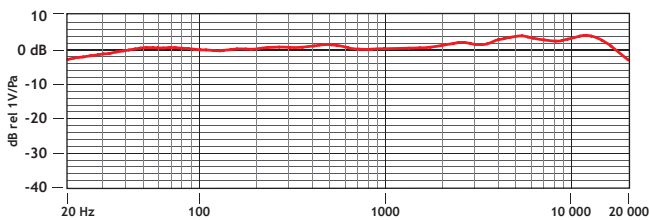
Frequency Response - Omni - 0°, Flat Filter.



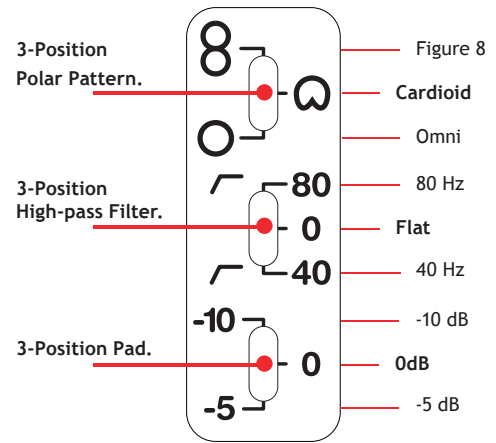
Frequency Response - Cardioid - 0°, Flat Filter.



Frequency Response - Figure 8 - 0°, Flat Filter.



Controls



Accessories

ZP1 - Zip Pouch

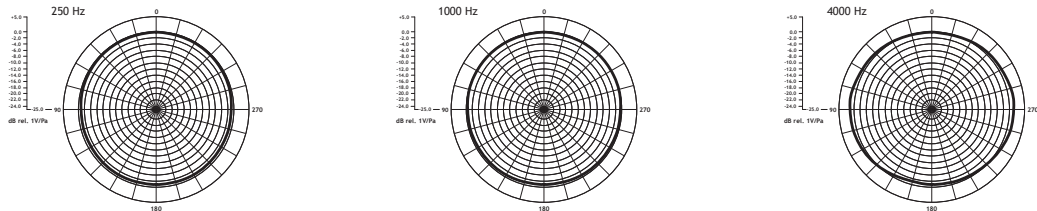
SM2 - Shock Mount
Optional



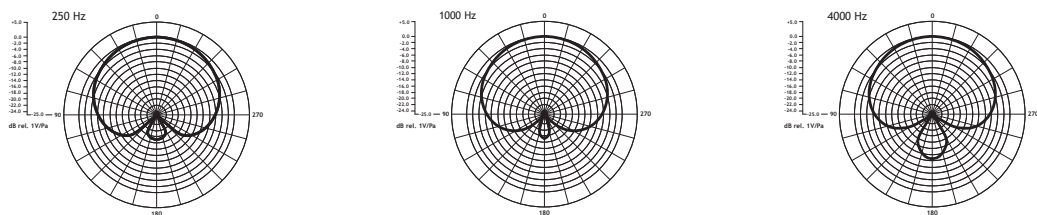
NT2-A

M2 - Stand Mount

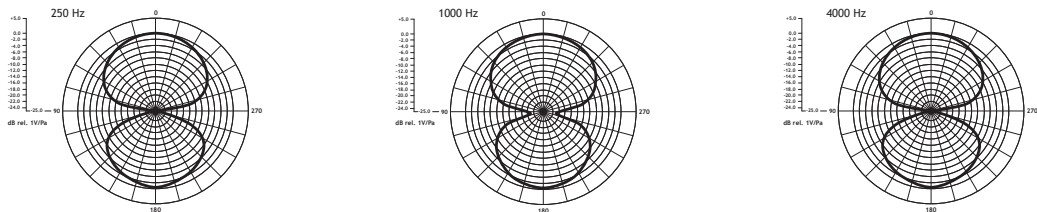
NT2-A Polar Pattern - Omni - 250 Hz, 1000 Hz & 4000 Hz



NT2-A Polar Pattern - Cardioid - 250 Hz, 1000 Hz & 4000 Hz



NT2-A Polar Pattern - Figure 8 - 250 Hz, 1000 Hz & 4000 Hz



Proudly designed and manufactured in Australia
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International

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