

# ND96-RC3 Wireless head with ND96 capsule

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- Thread-on microphone head for Electro-Voice and other brand's wireless handheld transmitters
- Excellent acoustic control on very loud stages: exceptionally high gain before feedback
- Large diaphragm dynamic capsule creates a rich and detailed frequency response
- Vocal presence emphasis switch selects between alternate sonic signatures
- Shock-mounted capsule minimizes handling noise



The Electro-Voice ND96-RC3 is a robust, high-performance, dynamic supercardioid thread-on vocal microphone head for wireless handheld transmitters. This microphone head electrically and mechanically adapts to Electro-Voice (and many other brands) wireless handheld transmitters that use the common 3-contact rings, 1.25" diameter by 28-thread pitch coupling convention. The floating captured ID collar will spin freely until screwing the head on tightly. It will remain locked in place when fully tightened. This allows the desired orientation of the branding to the transmitter.

Designed for excellent acoustic control on very loud stages, the ND96-RC3 special structural and acoustical designs create performance characteristics allowing the microphone's gain before feedback in a mix to be significantly louder than most microphones.

The microphone head's dynamic capsule contains a large Mylar diaphragm, which delivers a rich and detailed frequency response by combining its large surface area for tonal balance with its low-mass high-velocity material for exceptionally fast transient response.

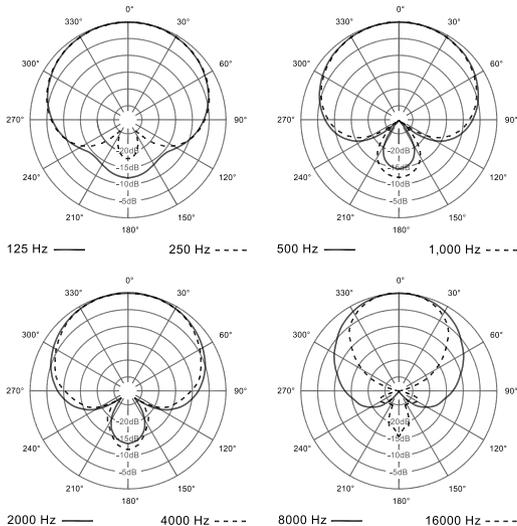
The microphone head features a selectable vocal presence tuning that can be engaged to reduce certain low-mid frequency areas and emphasize key upper-midrange vocal presence areas to increase intelligibility in high-energy reinforcement (see charts). The microphone head features an innovative capsule shock-mount system consisting of a 4-point suspension around the circumference of the capsule combined with a tuned pneumatic pump at the capsule base, offering superior handling noise reduction to eliminate mechanical vibrations and noise in the mix.

The Memraflex grille is made of a durable tight-mesh grille wire that withstands extraordinarily rough treatment. Your microphone head remains protected and looking good gig-after-gig, year-after-year. For additional protection, the capsule contains a hydrophobic cloth membrane, which prevents moisture and debris from reaching the diaphragm. The capsule uses a humbucking coil that attenuates AC hum and electromagnetic interference. Use the ND dynamic mics with confidence near speaker cabinets and EMF generating equipment racks.

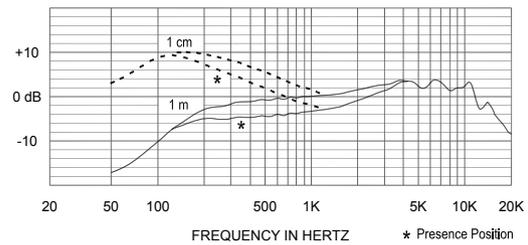
## Technical specifications

Element type:	Dynamic neodymium magnet structure
Frequency response, close:	30 Hz-15 kHz
Frequency response, far:	140 Hz-15 kHz
Polar pattern:	Supercardioid
Sensitivity, open circuit voltage @ 1 kHz in flat position:	4.7 mV/Pascal (-46.5 dBV/Pa)
Sensitivity, open circuit voltage @ 1 kHz in vocal presence position:	3.2 mV/Pascal (-50 dBV/Pa)
Maximum SPL:	136.5 dB SPL (1% THD)
Impedance:	1000 ohms
Power requirements:	4-8 VDC
Polarity:	Positive pressure on diaphragm produces positive voltage at center contact relative to ground contact
Electrical contact:	3-Ring/3-Pin
Threaded coupling:	1.25" diameter 28 UN-2A thread pitch
Finish:	Black polyurethane paint
Materials:	Aluminum, steel, steel wire grille screen
Dimensions, length: diameter:	3.3 in. (83.5 mm) 2.0 in. (50.5 mm)
Net weight:	6.8 oz (193 g)
Shipping weight:	8.7 oz (247 g)

### Polar response:



### Frequency response:



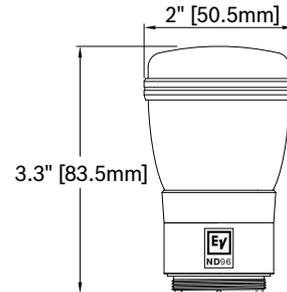
### Notice!

It is important to prevent under-driving or over-driving the handheld transmitter input stage. Pay special attention when matching the transmitter input sensitivity to this microphone head.

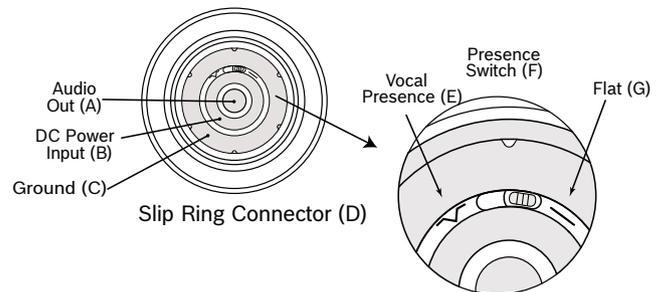


Adjust the transmitter sensitivity to a level where the audio path meter on its companion receiver shows 75%-95% full on high-emphasis vocal peaks for optimal signal strength and quality.

### Dimensions:



### Bottom view:



- A Audio out
- B DC power input
- C Ground
- D Slip ring connector
- E Vocal presence
- F Presence switch
- G Flat

Replacement parts	Description
ND96GRILLE	Replacement end grille, black
NDVOCRING	Replacement transition ring between grille sections, silver

## Parts included

Quantity	Component
1	Thread-on microphone head
1	Engineering datasheet
1	Warranty and product documentation information card

## Ordering information

**ND96-RC3 Wireless head with ND96 capsule**  
Dynamic supercardioid vocal microphone, black  
Order number **ND96-RC3**

### Accessories

**379-1 WINDSCREEN, BLACK, PACKAGED**  
Foam windscreen/pop filter, black  
Order number **379-1**

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