



ENG-18R/RL
**BROADCAST OMNIDIRECTIONAL
DYNAMIC MICROPHONE**

USER'S GUIDE

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Thank you for choosing Senal.

The Senal ENG-18R/RL is a broadcast-quality omnidirectional dynamic microphone. The omnidirectional dynamic capsule picks up sound in a 360° pattern and does not require a battery or phantom power, making it a reliable choice for critical field applications. The microphone's exceptionally low handling noise and resistance to wind noise and vocal plosives make it perfect for professional ENG applications like live reporting, interviews, and press conferences.

At multiple areas inside of the microphone, natural rubber with special shock-absorbing properties is bonded to carbon steel rings to isolate the sealed inner shell from the outer shell. This system helps protect the microphone capsule from impacts and inclement weather, and dissipates kinetic energy, dramatically reducing handling noise and resonance due to rustling and knocking.

The microphone incorporates multistage wind protection to minimize wind noise and vocal plosives. A mesh grill, acoustic foam, acoustic fabric, and a second layer of acoustic foam work to diffuse excess sound pressure from wind and breath. A fixed rigid carbon-steel ring with a unique bullet-shaped design disperses breath to minimize vocal plosives.

The EQ curve is tailored for broadcast use, with a gradual low-frequency roll-off to keep out unwanted rumble, a pronounced midrange to ensure speech intelligibility, and a high-frequency roll-off to eliminate hiss and sibilant distortion. Whether broadcasting on television, AM/FM radio, or over

the internet, the ENG-18R/RL is designed to ensure that dialogue cuts through the mix, and can be broadcast live without EQ adjustment.

Both models feature a durable aluminum-alloy shaft designed for EMI rejection and reduced internal resonance. They each come with a matte black finish for a professional appearance. The ENG-18RL is slightly longer to accommodate a mic flag.

Contents Include

- Omnidirectional dynamic microphone
- Microphone clip
- Windscreen
- Zippered carrying pouch
- User's guide

Precautions

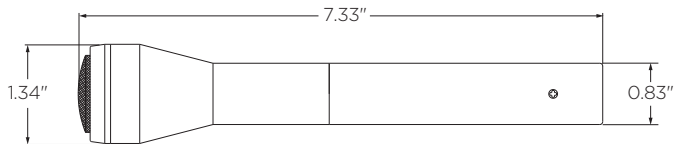
- Please read and follow these instructions and keep this manual in a safe place.
- Keep this product away from water and all flammable gases or liquids.
- Do not attempt to disassemble or repair this product.
- Handle this product with care.
- Clean this product with only a soft, dry cloth.
- Make sure that this product is intact and that there are no missing parts.
- All photos are for illustrative purposes only.

Specifications

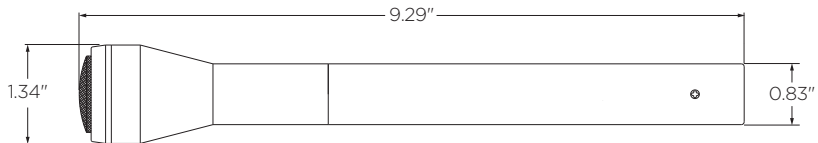
Transducer	Dynamic
Polar pattern	Omnidirectional
Frequency response	50 Hz to 18 kHz
Sensitivity	-53 dB/Pa (2.2 mV/Pa) ± 3 dB, 1 Pa = 94 dB SPL
Impedance	500 Ω
Connector	XLR male
Material	Cast aluminum alloy
Weight: ENG-18R ENG-18RL	4 oz. (113 g) 4.8 oz. (137 g)

Dimensions:

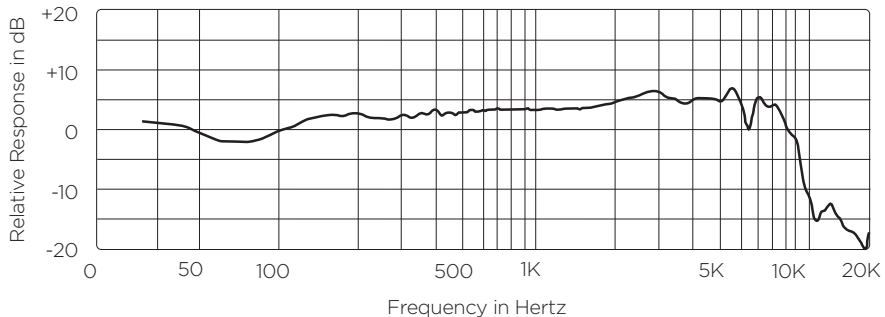
ENG-18R



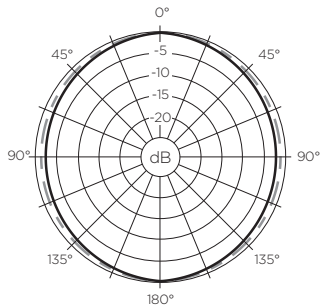
ENG-18RL



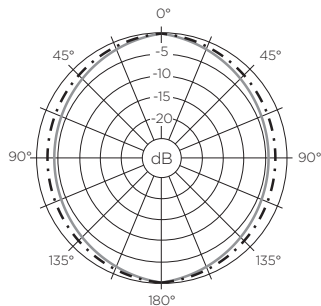
Frequency Response Graph



Polar Pattern



125 Hz - - - - -
250 Hz }
500 Hz } —————
1000 Hz }



2000 Hz - · - · - · -
4000 Hz }
8000 Hz } —————

Ten-Year Limited Warranty

Senal provides a limited warranty to the original purchaser that this product is free from defects in materials and workmanship under normal consumer use for a period of ten (10) years from the original purchase date or thirty (30) days after replacement, whichever occurs later. Senal's responsibility with respect to this limited warranty shall be limited solely to repair or replacement, at Senal's discretion, of any product that fails during normal consumer use. Inoperability of the product or part(s) shall be determined by Senal. If the product has been discontinued, we reserve the right to replace it with a model of equivalent quality and function.

To obtain warranty coverage, contact Senal to obtain a return merchandise authorization ("RMA") number, and return the defective product to Senal, along with the RMA number and proof of purchase. Shipment of the defective product is at the purchaser's own risk.

This warranty does not cover damage or defect caused by misuse, neglect, accident, alteration, abuse, improper installation or maintenance. EXCEPT AS PROVIDED HEREIN, SENAL MAKES NEITHER ANY EXPRESS WARRANTIES NOR ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This warranty provides you with specific legal rights, and you may also have additional rights that vary from state to state.

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