

CARDIOID CONDENSER PERFORMANCE MICROPHONE



en•CORE **300**
series









CONGRATULATIONS



From Blue Microphones, makers of the finest studio recording microphones you can find, comes the en·CORE 300 – a flagship condenser performance microphone with its roots in Blue's legendary tuned condenser studio microphones. The en·CORE 300's Condenser Capsule is hand-selected and tuned for an open, detailed, and present sound that is as well-suited to the stage as it is the studio. Blue's engineers matched the capsule to a custom-designed phantom power circuit, which together provide a rapid and powerful sound that is an ideal match for powerful vocals. The en·CORE 300 is an incredibly versatile tool for live performance as well as studio and broadcasting applications, providing remarkably consistent frequency response and low noise in any setup thanks to its custom-designed active circuit. The en·CORE 300's unique reinforced chassis design mounts the capsule for optimal performance and isolation from handling noise, while providing vault-like protection for the capsule to ensure years of breathtaking performances.



KEY FEATURES

-  **Hand-selected condenser capsule tuned for stunning detail and powerful vocals**
-  **Innovative reinforced chassis to protect the capsule while allowing maximum airflow for smooth, open sound**
-  **Blue's proprietary phantom power circuit delivers consistent tone and minimal noise**
-  **Cardioid polar pattern delivers substantial off-axis noise rejection while maintaining presence**
-  **Blue's proprietary floating capsule mount delivers high capsule isolation and minimal handling noise without pads or filters**
-  **Stage-ready construction with heavy-gauge barrel construction and hardened metal-plated finishes**
-  **Unique styling and craftsmanship, including hand-painted, backlit logo (to indicate when phantom power is engaged), laser-engraved trim ring and CNC-machined grip and reinforced chassis**
-  **Includes soft-grip microphone clip and soft-lined storage pouch**

TIPS FOR USING YOUR EN•CORE 300

Your en•CORE 300 should be plugged into a mic-level input using a standard 3-pin XLR cable. The en•CORE 300 requires phantom power for proper operation and will not produce reliable, clean sound without 48 volt phantom power. The Blue logo backlighting located at the top of the barrel will illuminate once proper phantom power has been applied, indicating the microphone is ready for use.

The sound from your en•CORE microphone heavily relies on how you place the microphone relative to your sound source. Generally, the closer you place the en•CORE 300 to a sound source, the higher the low frequency output, referred to as "proximity effect". So, if you want your vocals or instruments to have added punch, place the microphone directly adjacent to the source. For a more natural sound, simply pull the source back from the microphone 2-4 inches.

The performance of Blue's condenser capsule also depends on the flow of air around the capsule. The unique design of en·CORE 300's capsule mount means you'll achieve a great sound no matter where you hold the microphone. For the most consistent performance, simply hold the microphone on the handle below the Blue logo, or you can experiment with your grip to achieve slight variations in tone and presence.

CARE INSTRUCTIONS

The en·CORE 300's metal plated finishes will provide years of service and good looks if properly cared for. To clean your en·CORE 300, simply wipe down with a damp cloth. Use of harsh cleaners or abrasives may cause damage to your en·CORE's surface finish.

The en·CORE 300 was designed for the rigors of daily use, and will stand up to demanding live performance or recording environments. The condenser capsule is surrounded by multiple layers of protective material to maximize resistance to moisture and debris. Nonetheless, we know performances can get pretty intense out there, so try to avoid excessive physical abuse or moisture exposure to the microphone or the condenser capsule – failure to do so could impact sound quality or void the warranty.

TECH SPECS

Transducer  **Condenser Capsule**

Polar Pattern  **Cardioid**

Frequency Response  **40Hz — 20kHz**

Maximum SPL  **146 dB SPL**

Output Impedance  **25 ohms**

Sensitivity  **11 mV/Pa**

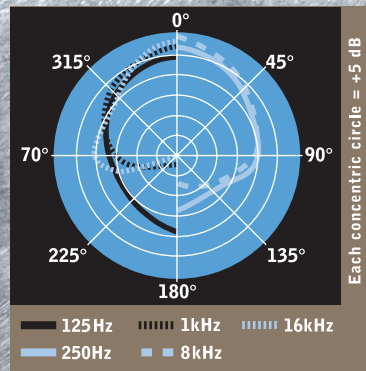
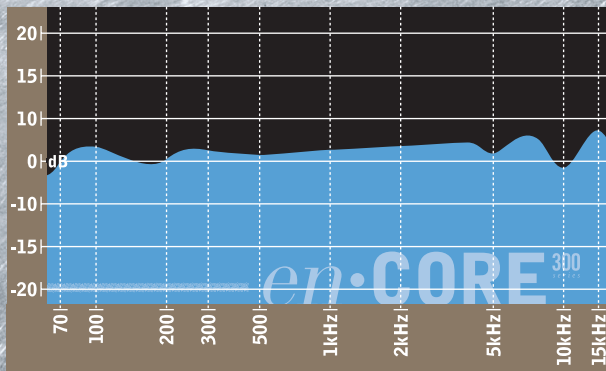
Dimensions—Length  **200.5 mm/ 7.9in**

Dimensions—Diameter  **23 mm/ .9 in (min); 52 mm/ 2 in (max)**

Weight  **0.9 lbs/ 0.4 kg**

en•CORE 300

FREQUENCY RESPONSE & POLAR PATTERNS



These charts are only a starting point for the sound provided. How the microphone reacts in a particular application will differ greatly because of many variables, like room acoustics, distance from sound source (proximity), tuning of instruments, mic cabling and other factors. For more tips on miking and recording techniques, check out the Blue website.

ARCHITECTS SPECIFICATIONS

The microphone shall be of the small diaphragm condenser transducer type with the transducer operating in a cardioid pattern. The frequency response shall be 40 Hz – 20 kHz. The microphone output impedance shall be 25Ω . The microphone should have a sensitivity of 11mV/Pa with a max sound pressure level of 146 dB. The microphone shall be 200.5mm/7.89in in length, and 200.5mm/7.9in in diameter and weigh 0.9lbs/0.4kg. The microphone shall be an en·CORE 300.

ACCESSORIES

Included:

- en·CORE Soft-Grip Microphone Clip
- en·CORE Soft-Lined Storage Pouch

Check out **www.bluemic.com** for additional accessories and replacement parts for your en·CORE Series Microphone.



WARRANTY

Blue Microphones warrants its hardware product against defects in materials and workmanship for a period of TWO (2) YEARS from the date of original retail purchase, provided the purchase was made from an authorized Blue Microphones dealer. This warranty is void if the equipment is altered, misused, mishandled, maladjusted, suffers excessive wear, or is serviced by any parties not authorized by Blue Microphones. The warranty does not include transportation costs incurred because of the need for service unless arranged for in advance. Blue Microphones reserves the right to make changes in design and improve upon its products without obligation to install these improvements in any of its products previously manufactured. For warranty service or for a copy of Blue's Warranty Policy including a complete list of exclusions and limitations, contact Blue at 818-879-5200.

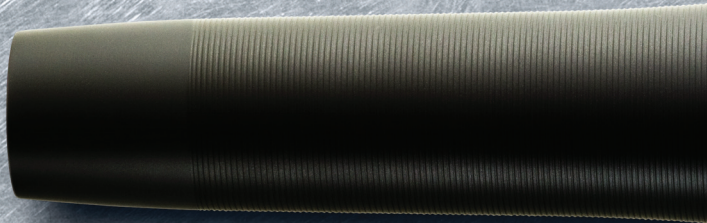
In keeping with our policy of continued product improvement, Baltic Latvian Universal Electronics (BLUE) reserves the right to alter specifications without prior notice.



Designed in USA. Made in China.



Microphones



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