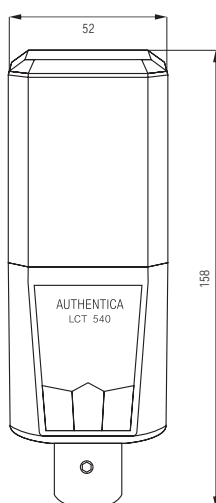


# LCT 540



The LCT 540 Authentic exhibits a combination of qualities that will undoubtedly make it a studio favorite among audio engineers and professional musicians. Designed to complement modern recording techniques and meet the expectations of ever-demanding sound professionals, this versatile large-diaphragm condenser microphone offers outstanding performance in miking lead vocals, drums and percussion instruments, brass and woodwinds, classical music ensembles.

The LCT 540's cardioid 1-inch capsule, enclosed by an extra-large hexagonal grille, captures elaborate, exceptionally nuanced sonic details and optimizes isolation of the main sound source by rendering off-axis sounds. The LCT features three levels of attenuation and three switchable high-pass filters, two-color LEDs as well as pushbuttons for noiseless handling. A dynamic range of 135 dB and an extremely low self-noise of 8 dB round off the features of this exceptional microphone.

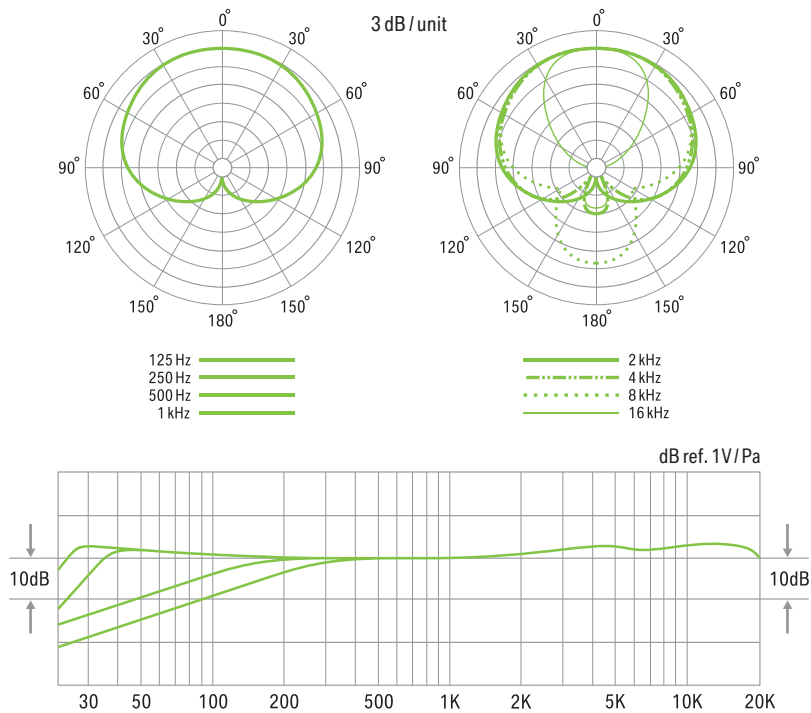
## Features

- 1-inch dual-system externally biased capsule with an active front and ultra-thin, gold-layered low-mass diaphragm for superior transient response
- Tailored frequency response for rich and authentic sound onstage or in the studio
- Cardioid polar pattern for effective isolation of the main sound source
- Extremely low self-noise of 8 dB and max SPL of 143 dB for an impressive total dynamic range of 135 dB providing a maximum of acoustic presence and clarity
- 3-position switchable pre-attenuation pad (0 dB, 10 dB, and 20 dB) for handling extremely high sound pressure levels and 3-position high-pass filter
- Illuminated user interface for quick and easy handling even in dark environments
- Noiseless pushbuttons for quick and easy attenuation and HPF selection
- Clipping history, automatic attenuation and key-lock provide error-free recording and unparalleled ease of use
- Rugged all-metal construction for reliable performance onstage and in the studio
- Extra-large hexagonal ruthenium-galvanized steel mesh grille provides an open acoustic environment and prevents unwanted internal reflections
- Immune to electromagnetic interference thanks to transformerless preamplifier circuitry
- Corrosion-resistant gold-plated 3-pin XLR output connector
- Comes in a black carrying case; includes LCT 40 SHx shock mount, LCT 40 Wx windshield and DTP 40 Lb artificial leather bag

## Top applications

- Lead and background vocals
- Acoustic instruments // piano, guitar, drums, percussion, strings...
- Overhead miking // drums, percussion...
- Ensembles // choral or orchestral
- Room ambiance pick-up // guitar amplifier, drums...
- Wind instruments // brass and woodwinds...
- Demanding live and studio applications

## Tech graph



## Accessories



LCT 40 Wx



Alu-case



DTP 40 Lb



LCT 40 SHx

## Tech data

- Acoustical operating principle: pressure gradient transducer, externally polarized
- Transducer Ø: 25,4 mm  
1 inch
- Directional pattern: cardioid
- Frequency range: 20 ... 20.000 Hz
- Sensitivity: 16 mV / Pa (-36 dBV)
- Signal / noise ratio: 86 dB-A
- Equivalent noise level: 8 dB-A (IEC 61672-1)
- Dynamic range of mic. amp.: 135 dB-A
- Max. SPL for 0,5 % THD: 143 dB, 0 dB pre-attenuation  
153 dB, 10 dB pre-attenuation  
163 dB, 20 dB pre-attenuation
- Pre-attenuation pad: 10 dB, 20 dB, switchable
- Bass cut filter slope: 12 dB / octave at 40 Hz  
6 dB / octave at 300 Hz
- Rated impedance: < 150 ohms
- Rated load impedance: > 1.000 ohms
- Supply voltage: 48 V + / - 4 V (IEC 61938)
- Current consumption: 5,1 mA (IEC 61938)
- Connector: gold plated 3-pin XLR
- Dimensions: 158 x 52 x 36 mm  
6,22 x 2,04 x 1,42 inch
- Net weight: 425 g  
14,9 oz