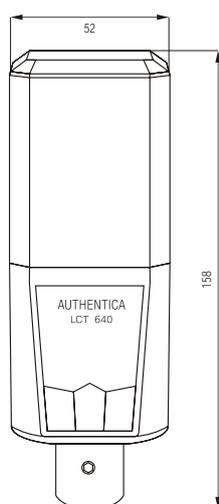


# LCT 640



LEWITT's LCT 640 is the Authentica series' flagship, designed to raise the bar in its class of reference-quality large-diaphragm condenser microphones. This Austrian-designed and engineered pro-mic delivers a smooth, unsurpassably rich and exceptionally nuanced sound, and exhibits a remarkable set of qualities that enthralls even the most discerning users. The LCT 640 excels in a variety of demanding studio applications and stands for unrivalled performance in miking lead and background vocals, drums, percussion instruments, grand pianos, brass and woodwinds, classical music ensembles.

In addition to the standard omni-directional, cardioid and figure-8 polar patterns, the LCT 640 offers a wide-cardioid and super-cardioid characteristic. It offers a dynamic range of 135 dB and stands out for its extremely low self-noise of 10 dB-A. In combination with a 3-level low-cut filter and 3-level switchable pre-attenuation, the LCT 640 provides maximum versatility in all recording situations. Automatic attenuation, key-lock, clipping history, push buttons and a light-up user interface round off the features of this outstanding microphone.

## Features

- Five directional characteristics - cardioid, omni-directional, figure-8, broad-cardioid and super-cardioid - offer maximum flexibility
- Dynamic range of 135 dB
- Extremely low self-noise level of 10 dB
- Key-lock, clipping history and automatic attenuation
- Noiseless push buttons for attenuation and HPF selection
- Immune to electromagnetic interference thanks to transformerless output stage
- Extra-large hexagonal steel-mesh grille with ruthenium-galvanized finish (black)
- Illuminated user interface for quick visual checking of settings
- Rugged construction for durable performance
- Gold-plated 3-pin XLR output connector
- Comes in an elegant black aluminium case with foam layers; includes LCT 40 SHx shock mount, LCT 40 Wx windshield and DTP 40 Lb leather bag

## Top applications

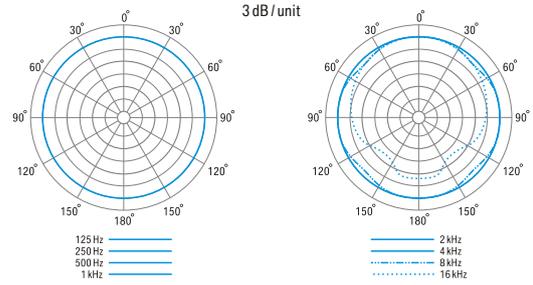
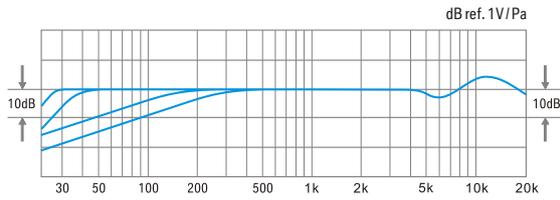
- Studio applications
- Live sound
- Lead and background vocals
- Percussions, drums
- Grand pianos, brass and woodwinds
- Classical music ensembles

## Accessories

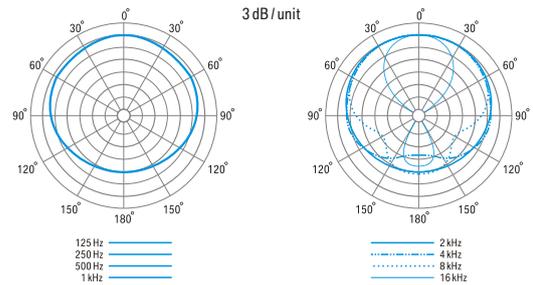
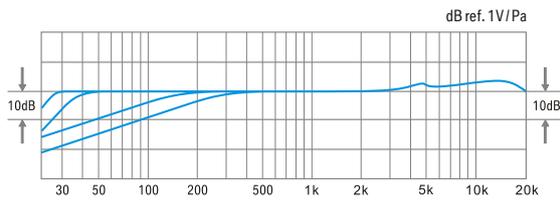


# Tech graph

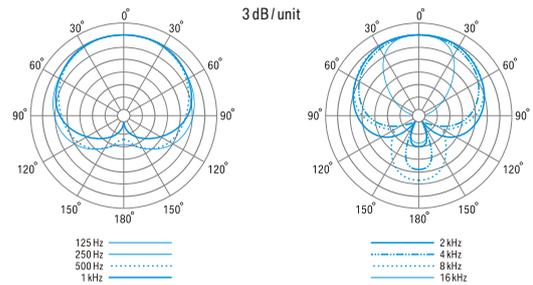
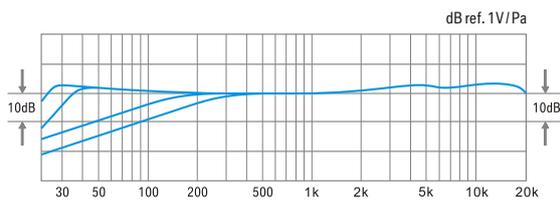
Omni



Broad-cardioid



Cardioid



Super-cardioid

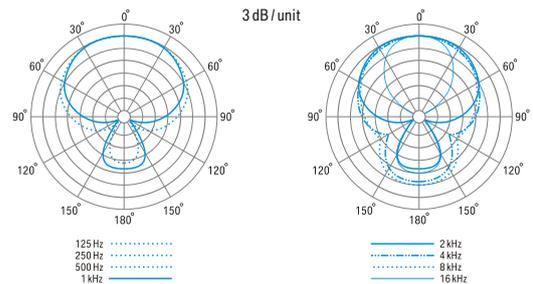
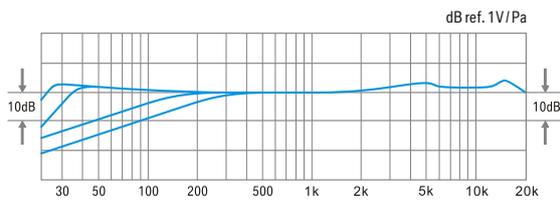
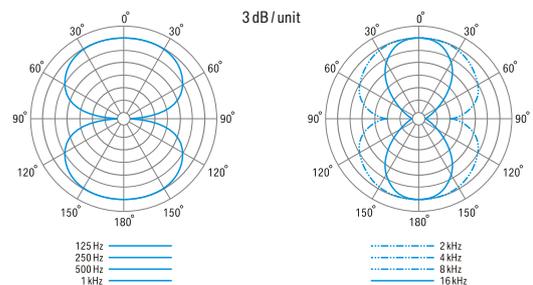
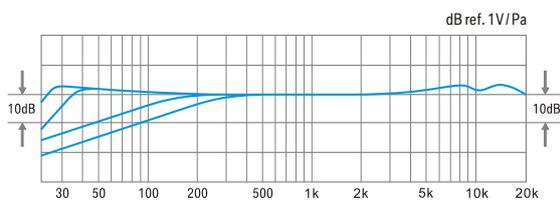


Figure-8





## Tech data

- Acoustical operating principle: pressure gradient transducer, externally polarized
- Transducer Ø: 25.4 mm  
1 inch
- Directional pattern: omni  
broad-cardioid  
cardioid  
super-cardioid  
figure-8
- Frequency range: 20 ... 20,000 Hz
- Sensitivity: 13 mV / Pa (-38 dBV), cardioid  
10 mV / Pa (-40 dBV), omni  
9 mV / Pa (-41 dBV), figure-8
- Signal/noise ratio: 84 dB-A
- Equivalent noise level: 10 dB-A, cardioid (IEC 61672-1)  
12 dB-A, omni (IEC 61672-1)  
13 dB-A, figure-8 (IEC 61672-1)
- Dynamic range of mic. amp.: 135 dB-A
- Max. SPL for 0.5% THD: 145 dB, 0 dB preattenuation  
151 dB, 6 dB preattenuation  
157 dB, 12 dB preattenuation  
163 dB, 18 dB preattenuation
- Preattenuation pad: 6 dB, 12 dB, 18 dB switchable
- Bass cut filter slope: 12 dB / octave at 40 Hz  
6 dB / octave at 150 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: 5.5 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: 432 g  
15.2 oz.