



EMPHASIZE
THE
GENUINE
IN
YOUR
SOUND. LCT 340

SOUNDS LIKE  **LEWITT**

Thank you that you have opted for a LEWITT product. In this operating manual you will learn more about your LEWITT microphone, its handling and its proper usage.

With the LCT Authentica Series, LEWITT introduces a new generation of highly versatile wired condenser microphones that all aim for setting new benchmarks of technology, sound quality and user-friendliness in both professional studio recording and onstage use.

The microphones of the LCT Authentica Series stand for unaltered sound and innovative features: Illuminated Settings, Noiseless Push Buttons, Automatic Attenuation with Clip Detection and History all ensure error-free sonic perfection and peerless ease of use for today's demanding recording artists and engineers.

Day after day, be it for live acts, in home studios or in professional studio productions.

LEWITT wishes you a lot of fun and success with this product!

LCT 340

The product

LEWITT's LCT 340 is a 0.8-inch externally polarized condenser microphone that excels at capturing acoustic and percussion instruments, drums and vocals, and is perfectly suited for sophisticated live and studio applications. Two interchangeable capsules allow for quick and easy switching of patterns, ensuring greater flexibility without changing microphones.

The LCT 340 is equipped with four-position low-cut filter and pre-attenuation slide switches, dual-color LED indicators and a convenient snap closure. It offers a dynamic range of 124 dB and stands out for its extremely low self-noise of 15 dB. Last but not least, its transformerless output makes this ruggedly designed pro-mic resistant to electrical interference and a first-class pick for true sound enthusiasts.



Cardioid



Omni
(optional)

Features

- 0.8-inch small-diaphragm capsule with ultra-thin externally biased, gold-layered low mass diaphragm for ultra-precise and neutral sound reproduction
- Flat frequency response for natural, authentic sound
- Interchangeable capsules for cardioid and omnidirectional pattern selection ensuring maximum flexibility and an undisturbed workflow
- Wide dynamic range of 124 dB and low self-noise level of 15 dB for ear-catching realism and distortion-free sonic depth
- 4-position switchable pre-attenuation pad (0 dB, 6 dB, 12 dB and 18 dB) for handling extremely high sound pressure levels and 4-position high-pass filter
- Illuminated user interface for quick and easy handling even in dark environments
- Rugged black die-cast full-metal body ensures long life
- Hexagonal ruthenium-galvanized steel mesh grille to prevent wear and abuse
- Immune to electromagnetic interference thanks to transformerless preamplifier circuitry
- Corrosion-resistant gold-plated 3-pin XLR output connector
- Comes in a cardboard box with foam layers; includes DTP 40 Mts shock mount, LCT 40 Ws windshield, DTP 40 Lb leather bag and an optional omnidirectional true condenser transducer

Top applications

- Overhead miking // drums, percussion...
- Ensembles // choral or orchestral
- Acoustic instruments // piano, guitar, drums, percussion, strings...
- Wind instruments // brass and woodwinds...
- Demanding live and studio applications

User-interface

- ① Illuminated attenuation indications
- ② Recessed attenuation slide switch
- ③ Illuminated high-pass filter indications
- ④ Recessed high-pass filter slide switch
- ⑤ Recessed illumination push button

Attenuation indications

- The currently active attenuation setting is illuminated.

Setting an attenuation level

- Attenuation levels can be set by adjusting the recessed slide switch. Settings are: off, -6 dB, -12 dB and -18 dB. Attenuation is used in extremely high SPL environments in order to prevent clipping of the microphone, mixer and other audio equipment.

High-pass filter indications

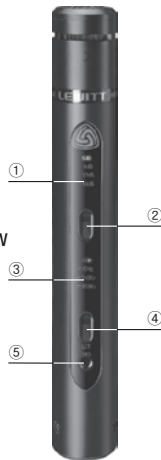
- The currently active high-pass setting is illuminated.

Setting a high-pass filter

- High-pass filters can be set by adjusting the recessed slide switch. Settings are: Off, 12 dB / octave at 40 Hz and 6 dB / octave at 150 and 300 Hz. High-pass filters eliminate unwanted low frequency noise such as structure borne noise.

Illumination push button

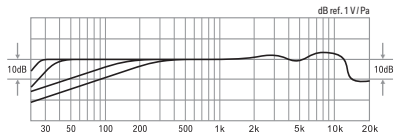
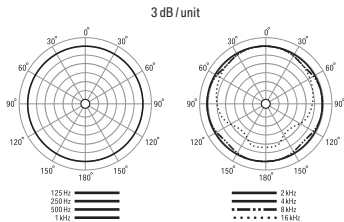
- By briefly pressing the recessed illumination push button the illuminated indications can be turned on or off.



LCT 340

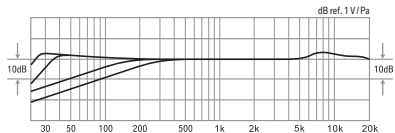
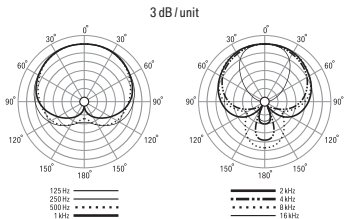
Tech data

Omni
(optional)

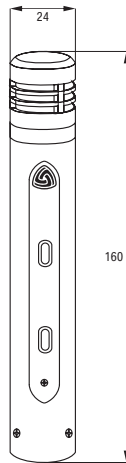


Tech graph

Cardioid



Dimensions



Tech data

- Acoustical operating principle: pressure & pressure gradient transducers, externally polarized
- Transducer Ø: 20,32 mm
0,8 inch
- Directional pattern: cardioid
omni
- Frequency range: 20 ... 20.000 Hz
- Sensitivity: 9 mV / Pa (-41 dBV), cardioid
8 mV / Pa (-42 dBV), omni
- Signal / noise ratio: 79 dB-A
- Equivalent noise level: 15 dB-A, cardioid (IEC 61672-1)
16 dB-A, omni (IEC 61672-1)
- Dynamic range of mic. amp. : 124 dB-A
- Pre-attenuation pad: 6 dB, 12 dB, 18 dB, switchable
- Max. SPL for 0,5% THD: 139 dB, 0 dB pre-attenuation
145 dB, 6 dB pre-attenuation
151 dB, 12 dB pre-attenuation
157 dB, 18 dB pre-attenuation
- 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: 6,6 mA (IEC 61938)
- Connector: gold plated 3-pin XLR
- Dimensions: 24 dia. x 160 mm
0,94 dia. x 6,3 inch
- Net weight: 200 g
7,05 oz.

Accessories



LCT 40 Ws



DTP 40 Mts



DTP 40 Lb



Cautions

- The capsule is a sensitive, high precision component. Make sure you do not drop it from high heights and avoid strong mechanical stress and force.
- To ensure high sensitivity and best sound reproduction of the microphone, avoid exposing it to moisture, dust or extreme temperatures.
- Keep this product out of the reach of children.
- Do not use force on the switch or cable of the microphone.
- When disconnecting the microphone cable, grasp the connector and do not pull the cable.
- Do not attempt to modify or fix it. Contact qualified service personnel in case any service is needed. Please do not disassemble or modify the microphone for any reasons as this will void users warranty.
- The casing of the microphone can be cleaned easily using a wet cloth, never use alcohol or another solvent for cleaning. If necessary the foam wind stopper can be washed with soap water. Please wait till it is dry before using it again.
- Also please refer to the owner's manual of the component to be connected to the microphone.

Warranty

All products manufactured by LEWITT GmbH feature a limited two-year warranty. This two-year warranty is specific to the date of purchase as shown on your purchase receipt.

LEWITT GmbH shall satisfy the warranty obligations by remedying any material or manufacturing faults free of charge at LEWITT's discretion either by repair or by exchanging individual parts or the entire appliance. Any defective parts removed from a product during the course of a warranty claim shall become the property of LEWITT GmbH.

While under warranty period, defective products may be returned to the authorized LEWITT dealer together with original proof of purchase. To avoid any damages in transit, please use the original packaging if available. Please do not send your product to LEWITT GmbH directly as it will not be serviced. Freight charges have to be covered by the owner of the product.

For further information please visit www.lewitt-audio.com or check your warranty card.



LEWITT GmbH declares under its sole responsibility that LCT 340 complies with the European directive 2004/108/EC. The product has been tested according to harmonized European standards:

EN 55013:2001+A1:2003+A2:2006

EN 55020:2007

EN 61000-3-2:2006

EN 61000-3-3:1995+A1:2001+A2:2005

Product testing was carried out by TIMCO Engineering Inc., notified body number 1177.

LEWITT GmbH hereby declares under its sole responsibility that LCT 340 has been tested and conforms to the following FCC and ANSI standards:

FCC Part 15:2008 Section 15.109

ANSI C63.4:2003

Product testing was carried out by INTERTEK Testing Services Shenzhen Ltd.



WEEE note: Electronic waste has to be collected separately. Please bring this device to a local recycling center at the end of its life time.

Manufacturers signature:

Date: 18th November 2010

Place: Vienna, AUSTRIA

DI Roman Perschon

CEO – Lewitt GmbH

Declaration of conformity can be downloaded at www.lewitt-audio.com or obtained from info@lewitt-audio.com.

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