

LCT 640 TS

# TWIN SYSTEM REFERENCE CLASS RECORDING MICROPHONE

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Designed and engineered in Austria, LEWITT's new LCT 640 TS will revolutionize the way we think about the recording process. Set to Dual Output Mode the signal of the mics front and back diaphragm is provided by independent circuitries, any kind of polar pattern can be realized dynamically - even after the recording. Already recorded material can be changed dynamically by adjusting the polar pattern - room sound can be added or decreased, even a turn by 180° is possible. After recording with the LCT 640 TS you can use LEWITT's Polarizer plug-in to tweak the material with incredible ease of use. In Multi-Pattern Mode the LCT 640 TS has all the well-known characteristics of a great sounding studio multi-pattern condenser mic. It features five polar patterns: omni, wide cardioid, cardioid, supercardioid and figure-8. Perfect Match technology takes care that all LCT 640 TS will always form a matched pair. The Dual Output Mode allows to record Mid Side stereo with only one LCT 640 TS - usually only possible with two microphones. Clipping History, 4 low-cut and pre-attenuation settings round off the outstanding feature list of the LCT 640 TS. The LCT 640 TS opens doors to a new world of recording techniques.

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### PRODUCT DETAILS

#### KEY FEATURES

**Revolutionary Dual Output Mode:** The LCT 640 TS provides the signal of the front and the back capsule separately. In addition to your standard XLR cable plug in the included mini 3-pin XLR and experience all the possibilities of this true next-gen microphone. Use both outputs to capture the whole session instead of committing to a single source.

**POLARIZER plug-in:** Change pattern in your DAW. After recording with the LCT 640 TS, use our plug-in to change the pattern. Jump back and tweak your material.

**Standard Multi-Pattern Mode:** Plug in one 3-pin XLR and you have a large diaphragm multi-pattern condenser mic featuring the following polar patterns: omni, wide cardioid, cardioid, supercardioid

**Magnetic Pop Filter:** Hides nothing, captures everything - except plosives and hisses. This efficient magnetic pop filter will effectively reduce pops and hisses without covering 2/3 of your vocal artists face. The most subtle and convenient way of getting the most out of every single recording.

**Low-cut and attenuation:** Adapt to every situation Low-cut( linear, 40 Hz, 80 Hz, 160 Hz) - Attenuation (0 dB, -6 dB, -12 dB, -18 dB)

#### SPECIFICATIONS

<b>Acoustical operating principle</b>	Pressure gradient transducer, externally polarized
<b>Diaphragm</b>	3 micron gold sputtered Mylar
<b>Transducer Ø</b>	25.4 mm, 1 in
<b>Polar pattern (Dual Output Mode)</b>	Create any polar pattern in post-production
<b>Polar pattern (Multi-Pattern Mode)</b>	omni, wide cardioid, cardioid, supercardioid, figure-8
<b>Sensitivity</b>	30.1 mV / Pa (-31.4 dBV), cardioid; 30.3 mV / Pa (-30.3 dBV), omni; 29.4 mV / Pa (-34.1 dBV)

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<b>Signal / noise ratio</b>	83.5 dB (A)
<b>Equivalent noise level</b>	10.5 dB, cardioid
<b>Dynamic range of FET mic. Amp.</b>	123.3 dB
<b>Max. SPL for 0.5 % THD</b>	133.8 dB, 0 dB pre-attenuation
<b>Pre-attenuation pad</b>	-6 dB; -12 dB; -18 dB
<b>Low-cut filter</b>	40 Hz (12 dB/oct); 80 Hz (12 dB/oct); 160 Hz (6 dB/oct)
<b>Rated impedance</b>	< 110 $\Omega$
<b>Rated load impedance</b>	> 1.000 $\Omega$
<b>Supply voltage</b>	48 V +/- 4 V
<b>Current consumption</b>	5.1 mA
<b>Mic enclosure</b>	Zinc die cast
<b>Connector</b>	Gold plated 3-pin XLR + Mini 3-pin XLR
<b>Microphone dimensions</b>	158x52x36 mm
<b>Microphone net weight</b>	425 g