

ULS

PROFESSIONAL SMALL-DIAPHRAGM
MODULAR MICROPHONE SERIES

JUST PURE SOUND

*designed for the most demanding studio and
broadcast applications*

The ULS Series, Ultra Linear Series, offers four reference class small condenser mics. The series is intended primarily for studio and broadcast applications in which state-of-the-art performance is mandated. With the available cardioid, hypercardioid, omnidirectional, and highly directional shotgun capsules, the Ultra Linear Series offer an incredible flexible solution for speech, vocal, instrumental and ambient recordings.

Thanks to the ultra linear preamp the capsules have a vastly improved noise floor, permitting self noise performance in the range of 9 to 11dB-A. Maximum sound pressure levels in the range of 144dB can be attained with no greater than 0.5% distortion, giving the capsules a new level of overall performance. The ULS series microphones miss out on coloration, distortion and noise and offer just pure sound.

All products share these features:

- **Ultra low noise**
for unbelievable equivalent noise levels of 9 to 11dB-A only
- **Four different capsules available**
provides the right solution for every application
- **1/2-inch true condenser technology with ULS design**
offers ruler-flat frequency responses
- **Transformer-less preamp**
provides extremely low distortion and highest reliability
- **Self-cleaning contact with huge contact area**
ensures reliable operation and extremely long life



C480 B ULS

PROFESSIONAL MICROPHONE
PRE-AMPLIFIER

NOISE-FREE

for ULS capsules CK61, CK62, CK63, CK69 ULS

The C480 B is the pre-amp for the ultralinear series capsules, CK61, CK62, CK63, and CK69 ULS, and represents one of the quietest microphone amps ever built. The C480 B offers excellent audio quality and maximum flexibility. Its electronic circuitry coupled with a transformerless output stage assures completely linear transfer characteristics across the entire frequency range, while achieving self-noise figures close to the theoretical minimum.

A specially designed output stage drives difficult loads like excessively long cables without harming the signal quality. The C480 B offers a two-step high-pass filter and two gain stages of either -10dB or +6dB.

- **Sophisticated microphone pre-amp design**
for ultralow noise performance
- **Transformerless output**
provides extremely low distortion, highest reliability and less weight
- **Switchable attenuation pad**
enables high SPL applications up to 144dB
- **Switchable bass-cut filter**
eliminates rumble or footfall noise
- **Specially designed output stage for difficult loads**
drives excessively long cables with no signal degradation

Item Number: C480 B ULS 2180Z00150

Specifications

C 480 B Preamplifier

Frequency range:	10 to 30.000 Hz ± 0.3 dB
Bass cut filter slope:	12 dB/octave, for all positions
Gain:	+6 dB, 0 dB, -10 dB, selectable
Impedance:	≤150 Ω
Recommended load impedance:	2000 Ω // 1 nF (IEC 268-15 A)
Hum sensitivity at 50 Hz:	Lower than self-noise
Supply voltage:	P 48 (phantom power to DIN 45 596 at 48 V±4 V)
Current consumption:	≤2 mA
Size:	Dia.: 21 mm (0.8 in.); length: 150 mm (6 in.)
Net/shipping weight:	100 g (3.5 ozs.)/500 g (17.7 ozs.)
Connector:	3-pin XLR type
Case material:	Matte black brass
Capsule contacts:	Self-cleaning, gold plated
Thread:	M 19 x 0.75