

# C480 B CB ULS & CK61 ULS

REFERENCE MODULAR PRE-AMP  
& REFERENCE CARDIOID CONDENSER MICROPHONE CAPSULE

**AKG**<sup>®</sup>  
by HARMAN



## HIGHLIGHTS

**Sophisticated microphone pre-amp design**  
for ultra-low 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

**Cardioid polar pattern with excellent on-axis response**  
for pure, pristine sound quality

**Self-cleaning contacts**  
ensure reliable operation and long life

## KEY MESSAGE

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. The C5 is an easy to use, reliable companion for tough stage jobs.

The CK61 ULS professional small condenser capsule is characterized by a ruler-flat frequency response and an unmatched consistent cardioid polar pattern. It is the ideal choice for critical recording and live-sound applications where consistent suppression of off-axis sound is an important requirement. The CK61 ULS is widely used in broadcast and recording studios as well as on stages worldwide.

The CK61 ULS works exclusively with the C480 B pre-amp. To ensure an extra-long life and a reliable connection, the capsule is equipped with large-area, self-cleaning, gold-plated contacts. Careful attention to detail and highest manufacturing standards make the CK61 Ultra Linear Series capsule the choice of experienced technicians worldwide.

# C480 B CB ULS & CK61 ULS

REFERENCE MODULAR PRE-AMP  
& REFERENCE CARDIOID CONDENSER MICROPHONE CAPSULE



## APPLICATIONS

STUDIO  
BROADCAST

## TECHNICAL SPECIFICATIONS

### C480 B CB ULS

**Audio frequency bandwidth:** 20 to 20000 Hz  
**Preamplification Pad:** 6, -10 dB  
**Bass cut filter:** 100 Hz  
**Recommended load impedance:** 2000 Ohms  
**Polar Patterns:** Cardioid

### Powering Interface

**Voltage:** 48 V  
**Current:** 2 mA

### Audio Output

**Type:** Balanced XLR  
**Gender:** Male  
**Contacts:** 3-pin

### Design

**Finish:** Matte Black

### Dimensions/Weight

**Height:** 173mm  
**Diameter:** 21mm

### CK61 ULS

**Audio frequency bandwidth:** 20 to 20000 Hz  
**Equivalent noise level:** 11 dB-A  
**Sensitivity:** 20 mV/Pa  
**Signal to Noise:** 81 dB-A  
**Electrical impedance:** 150 Ohms  
**Recommended load impedance:** 2000 Ohms  
**Polar Patterns:** Cardioid

### Powering Interface

**Voltage:** 48 to 48 V  
**Current:** 2 mA

### Audio Output

**Type:** Balanced XLR  
**Gender:** Male  
**Contacts:** 3-pin

### Design

**Finish:** Matte Black

### Dimensions/Weight

**Height:** 27mm  
**Diameter:** 21mm

## INCLUDED ACCESSORIES

### W32 Windscreen (CK61 ULS)



AKG ACOUSTICS, U.S. 8400 BALBOA BOULEVARD, NORTHRIDGE, CA 91329, U.S.A.  
AKG ACOUSTICS GMBH LAXENBURGER STRASSE 254, 1230 VIENNA, AUSTRIA

© 2017 HARMAN International Industries, Incorporated. All rights reserved. AKG is a trademark of AKG Acoustics GmbH, registered in the United States and/or other countries. Features, specifications and appearance are subject to change without notice.

[www.ake.com/pro](http://www.ake.com/pro)