



## C 480 B-ULS

- **Ultra low-noise preamplifier**
- **Three selectable gain settings: 0, +6, -10 dB**
- **High headroom**

The C 480 B is part of a system designed specifically for excellent audio quality and maximum flexibility. Its electronic circuitry coupled to a transformerless output stage assures completely linear transfer characteristics across the entire audio bandwidth, while achieving self-noise figures close to the theoretical minimum. This, in combination with a typical SPL handling capability of 140 dB broadband means a dynamic range exceeding 125 dB, making the system suitable for the most critical digital recording applications. Gold plated switch and connector contacts guarantee consistent performance.

A specially designed output stage drives difficult loads (e.g. excessively long cables) with no signal degradation. Two sets of switches offer a two-step highpass filter, and two gain manipulation stages of either 10 dB or +6 dB.

Choice of various capsules: CK 61-ULS, CK 62-ULS, CK 63-ULS, CK 69-ULS

## Specifications

|                                   |                                 |
|-----------------------------------|---------------------------------|
| <b>Polar pattern</b>              | 10 to 30,000 Hz                 |
| <b>Preattenuation pad</b>         | +6, 0, -10 dB, selectable       |
| <b>Bass filter</b>                | 12 dB/octave at 70 or 150 Hz    |
| <b>Impedance</b>                  | <150 ohms                       |
| <b>Recommended load impedance</b> | >2000 ohms/1000 pF              |
| <b>Supply voltage</b>             | 48 V phantom power to DIN 45596 |

|                            |                                       |
|----------------------------|---------------------------------------|
| <b>Current consumption</b> | <2 mA                                 |
| <b>Connector</b>           | 3-pin XLR                             |
| <b>Finish</b>              | matte black                           |
| <b>Dimensions</b>          | 21 dia. x 150 mm / 0.8 dia. x 5.9 in. |
| <b>Net weight</b>          | 115 g / 4 oz.                         |
| <b>Shipping weight</b>     | 450 g / 1 lb.                         |

## Engineer's specifications

Microphone preamplifier for the ULS modular studio condenser microphone system from AKG. All electrical parameters of the preamplifier shall be maximally linear and its gain shall be switchable on the microphone to +6, 0, or 10 dB. Frequency range: 1030,000 Hz; electrical impedance: <150 ohms.; switchable bass cut filter: 12 dB/octave at 70 or 150 Hz. The microphone shall be capable of operating on phantom power at 48 V to DIN 45596. The case shall be no larger than 21 mm (0.8 in.) in diameter and 150 mm (6 in.) long. The maximum net weight of the preamplifier shall be 115 g (4 oz.).