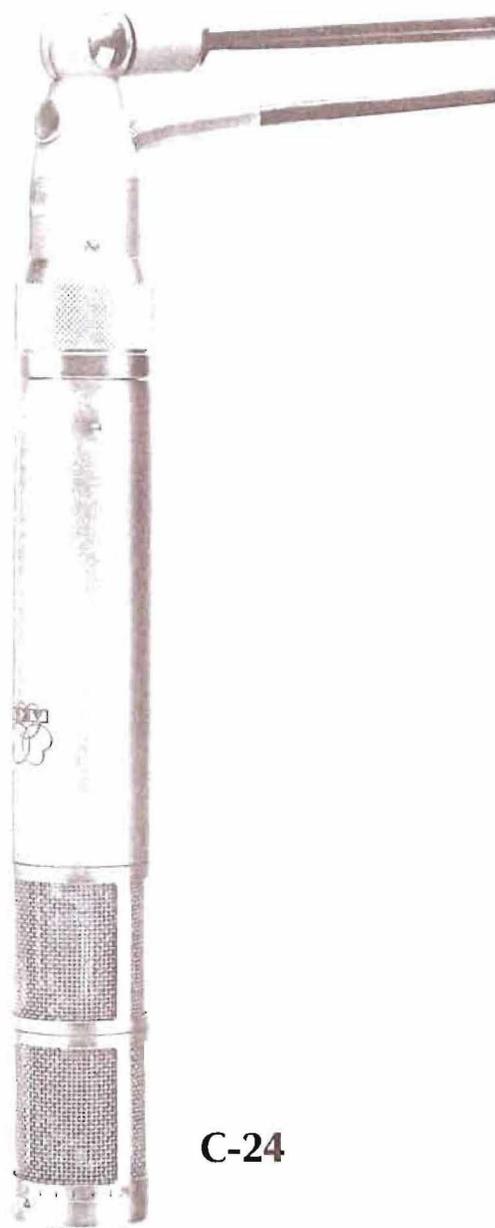


# AKG C-24 stereo condenser microphone system



C-24

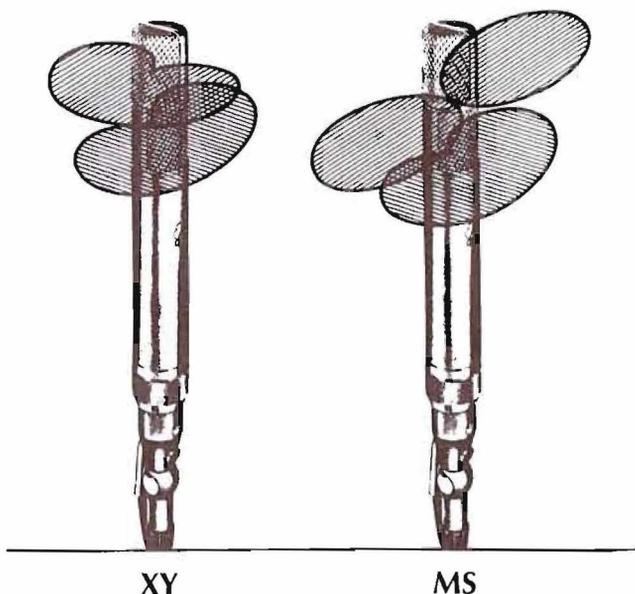


## DESCRIPTION

The C-24 was specially designed for intensity stereo recording techniques in the XY or MS mode. Two twin-diaphragm condenser microphone capsules are mounted within the microphone body, with a spacing of only  $1\frac{1}{2}$ " , making any difference in time between the two outputs negligible. The upper microphone system may be rotated  $180^\circ$  to provide any offset angle desired. Nine different directional patterns can be remotely selected for each of the two twin-diaphragm capsules. These patterns are identical as to their phase relationship and sensitivity and maintain their polar characteristics independent of frequency. The patterns are a/omni directional, b/ cardioid and c/ figure-eight , plus 6 intermediary positions.

The stand connector is designed to facilitate rapid and accurate change-over from MS to XY stereo recording technique. A window indicates the symbol MS and upon rotating the stand connector by  $45^\circ$  counter-clockwise the symbol XY indicates the correct XY position.

The C-24 system consists of microphone preamplifier with two twin-diaphragm capsules, S-24 dual remote control pattern selector, N-24 a.c. power supply, MK-24/20 cable for connecting microphone and power supply, RL-24/10 cable to connect power supply with pattern selector plus NF-24 audio cable. The unit is being delivered with individual response curves for both capsules, recorded in the three basic patterns.



# technical data

## SPECIFICATIONS

### Sensitivity

: 1 mV/pbar  
 = 41 dB (RE 1mw/10 dyne/cm<sup>2</sup>)

### Electrical impedance at 1,000 Hz

: 200 ohms ± 15%  
 Convertable to 50 ohms ± 15%

### Minimum actual load impedance

: < 500 ohms (≤ 150 ohms)

### Weighted noise level

: 2.5 µveff (Filter CCIF 1954 DIN 45405)

### Unweighted noise level

: 8.0 µveff

### Equivalent noise level

: < 22 dB (Filter CCIF 1954 DIN 45405)

### Maximum Sound Pressure level

: at a harmonic distortion of 0.5%:  
 150 pbar (117.5 dB SPL)

### Tube

: 6F 6072

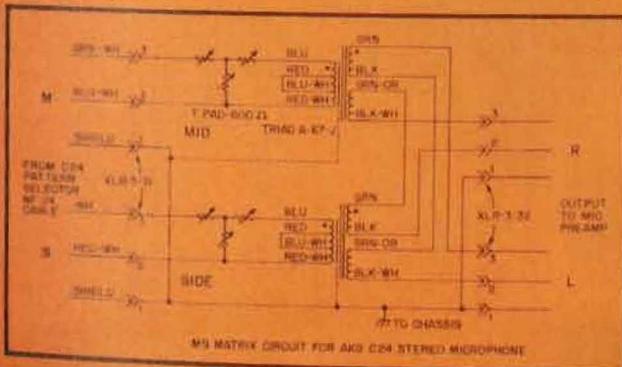
### Plate voltage

: 120 V

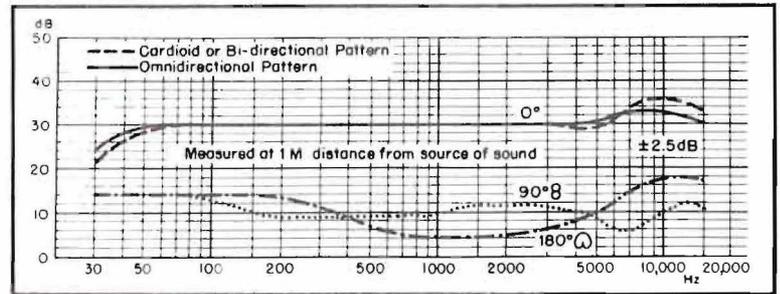
### Power Supply

: 110 V ± 10%, convertible  
 220 V ± 10%, 50-60 Hz

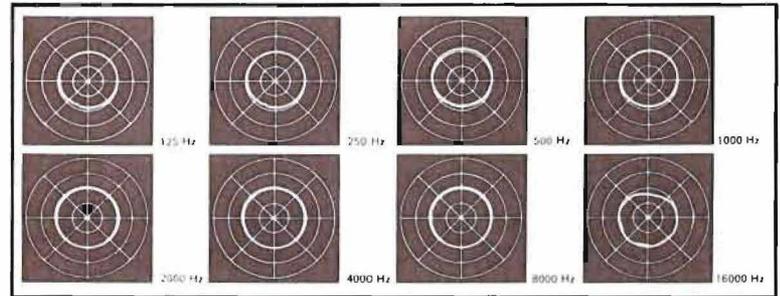
Matrix for attenuating the signal to expand or contract the width of M or S Image. For use between S-24 and mixing console input.



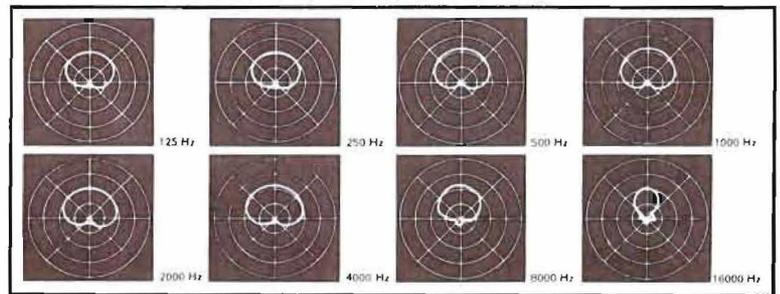
Guarantee frequency response curve



Polar diagrams (photographs), taken from 1 m distance from the source of sound. Directional characteristic: Position "Omnidirectional"



Polar diagrams (photographs), taken from 1 m distance from the source of sound. Directional characteristic: Position "Cardioid"



Polar diagrams (photographs), taken from 1 m distance from the source of sound. Directional characteristic: Position "Figure-of-eight"

