



MICROPHONES • HEADPHONES

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NORTH AMERICAN PHILIPS COMPANY, INC.  
100 EAST 42nd STREET, NEW YORK, NEW YORK 10017

# Dynamic Headphone-Microphone BOOM COMBINATION



## K-59

### DESCRIPTION

AKG K-59 headphone-microphone set provides excellent sound reproduction and anti-noise true-fidelity pick up.

A pair of the world-famous K-50 headphone sets are mounted on a folding double bail; the position of the headphones on the bail can be adjusted to suit individual requirements. One side of the double bail incorporates a steel tube (microphone boom) to which is secured an AKG D-58 anti-noise microphone capsule. It has a figure 8 directional characteristic with a frequency range of 70 – 12,000 Hz, a more or less flat frequency response at 150 – 10,000 Hz (at a speech distance of approximately 2 inches and improved discrimination (attenuation at 90° – approx. 15 db).

The microphone boom can be adjusted to the most suitable position in relation to the mouth (being secured by a fixing screw); or it can be swung upwards when the microphone is not in use. The boom snaps into position both when the microphone is in use or when swung upwards. The bail is covered with plastic and fits comfortably on the head causing no fatigue.

Separate leads are provided from each headphone and the microphone.

AKG K-59 is supplied with a windscreen, 6' cable and carrying bag.



### TECHNICAL DATA

#### MICROPHONE

Frequency range	70-12,000 Hz (at a speech distance of approximately 2")
Frequency response	± 3 db based on standard curve (measured at a distance of 2" from artificial voice)
Directional characteristics	Figure 8, attenuation at 90° approximately 15 db
Impedance	200 ohms
Average output for speech at 5 cm distance	approximately 0.5 mV (200 ohms)
Average discrimination against undesired noise	35 db at 200 Hz, 22 db at 1,000 Hz, 15 db at 5,000 Hz, compared with a diffuse sound field whose source lies at a distance of 36" from the microphone and which produces the same sound pressure as the sound source at a distance of 2"

#### HEADPHONE

Frequency response	20-20,000 Hz
Average power requirement	0.156 milliwatts at a level of 250 millivolts, delivering 95 db SPL per system.
Maximum undistorted continuous acoustic output	127 db SPL per system with an input level of 6 volts at 90 milliwatts, with a total harmonic distortion of less than 3%
Translation efficiency	1 milliwatt input at 630 millivolts will produce 106 db SPL per system
Distortion	1% or less at 1 millivolt input
Impedance	400 ohms per system ± 15%

#### ACCESSORY Z-50 Ear Cushions

#### CONNECTION DIAGRAM

