The D 12 is the most widely used musician’s microphone in the world. Its outstanding acoustical properties have made it the standard by which the quality of any musician’s microphone in common use is judged. The slight boost of frequency response near 80 cps combined with the high front-to-back ratio is the secret of the famous D 12 sound. The operational side of the microphone is identified by a light-colored grille cover. The microphone is so little affected by acoustical feedback that echo-free operation is possible even in rooms with poor acoustics, with no howling when loudspeakers are connected. The sturdy grille cover is fitted with a noise-reducing wind protector and shields the microphone from dust and iron particles.
Technical Data:
Type: Dynamic pressure gradient receiver
Frequency Range: 30…18 000 cps (see published frequency curve)
Sensitivity at 1000 cps:
- at 60 ohms impedance: 0.08 mV/bar (-61 db re. 1 V/dyn/cm²)
- Microphone rating: GM = -147 dB; -55 db re. 1 mV/10 dynes/cm²
- at 200 ohms impedance: 0.16 mV/bar (-70 db re. 1 V/dyn/cm²)
- Microphone rating: GM = -147 dB; -55 db re. 1 mV/10 dynes/cm²
Impedance: 60 ohms ± 15%, optionally 250 ohms ± 15%
Min. Actual Load Impedance: ≥ 300 ohms or ≥ 1000 ohms
Directional Characteristic: Cardioid (see published polar diagram)
Weighted Noise Level: 0.25 µW (Filter CCIF 1954 DIN 45 405)
Unweighted Noise Level: 0.2 µW
Maximum Sound Pressure Level at a distortion of 0.5%:
- 500 µbar (128 db SPL)
Diaphragm: non metallic MAKROFOL
Thread Sizes for Mounting: ¼"–27, ⅜"–24, ⅜" by means of universal thread adapter SHZ 4

Order Information and Standard Accessories:
Order number D 12/50-250 delivery includes:
- Dynamic cardioid microphone D 12/50-250 (impedance 50–250 ohms)
- 5 m, 3-conductor shielded cable, cable end free.
Order number D 12/200 delivery includes:
- Dynamic cardioid microphone D 12/200 (200 ohms impedance)
- 5 m, 2-conductor shielded cable, cable end free.

Weights:
- D 12/50-250 ......................................... 600 grams
- D 12/200 ............................................. 520 grams
Weight with individual packing: 840 grams approx.

Recommended Accessories:
- ST 11: Table Stand
- ST 301: Studio Table Stand
- ST 102A: Floor Stand with Outrigger (Brace)
- ST 200: Studio Floor Stand
- ST 12: Short Floor Stand
- MSH 30: Flexible Shaft
- KU 212A/200: Cable Transformer (200 Ohms/HI)
- KU 212A/50: Cable Transformer (60 Ohms/HI)

Circuit Diagram:

D 12/200

D 12/50–250

Dimensions:

(in mm)

Specifcations:
The microphone should be of the dynamic cardioid type. Versions with impedances of 50–250 ohms and 200 ohms should be available. The microphone should have a frequency range of 30 to 18 000 cps. Frequency response must confor to specifications within ± 3.5 db. Attenuation should be 18 db at an incident sound angle of 180° and 1000 cps.
The directional characteristics should be so outstanding that echo-free operation is possible even in rooms with poor acoustics, and that feedback (howling) will not occur even when the microphone is close to the loudspeakers.
A built-in wind protector should shield the diaphragm from wind noise as well as from dust and iron particles. A sturdy grid cover should provide protection from rough handling. An elastic suspension of the acoustic system should protect the microphone from interference by mechanical noises as well as from damage due to vibration or shock.
A built-in swivel-joint stand connector should permit the microphone to fit stands with thread sizes of ¼", ⅜"–26, and ⅜"–27. The microphone should have a maximum length of 142 mm, a maximum width of 54 mm, and a maximum depth of 73 mm. A shielded cable of 5 meters in length, 3-wire for D 12/50-250 and 2-wire for D 12/200, should be permanently attached to the microphone.
The AKG microphone D 12 meets these specifications of an ideal musician's microphone.