audio-technica AT808G Sub Car Dioid Dynamic Console Microphone User Manual

Contents

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Specifications

- **IMPEDANCE** 800 ohms
- **DIMENSIONS** 412.7 mm long,
  - 25.0 mm head diameter
  - 19.0 mm base diameter
- **OUTPUT CONNECTOR** Integral 3-pin XLRM-type

Microphones	
Element	Dynamic
Polar Pattern	Subcardioid
Frequency Response	200 – 5,000 Hz
Open Circuit Sensitivity	–60dB (1.0mV), re 1V at 1Pa*
Weight	115g

Product Usage Instructions

- **Connection:**
  To avoid phase cancellation and poor sound, ensure consistent wiring of mic cables: Pin 1-to-Pin 1, etc. For high-impedance input, use a Lo-Z balanced cable with a Hi-Z matching transformer.
- **Positioning and Maintenance:**
  The flexible gooseneck allows easy positioning. Lubricate it with light machine oil if it becomes noisy with use. Avoid foreign particles entering the windscreen to maintain performance.
- **Frequency Response:**

The custom-tailored frequency response ensures excellent intelligibility in noisy environments. The subcardioid polar pattern reduces pickup from sides and rear, isolating the desired sound source.

- **Output Connection:**
  The microphone plugs directly into an XLRF-type surface or cable connector for convenient use.

Features

Designed for use as a quality talk-back microphone in entertainment, commercial and industrial applications, the AT808G features a versatile gooseneck design that allows for unlimited positioning and dependable performance. Its custom-tailored frequency response ensures excellent intelligibility in environments with excessive ambient noise. The mic's subcardioid polar pattern reduces pickup of sounds from the sides and rear, improving isolation of desired sound source.

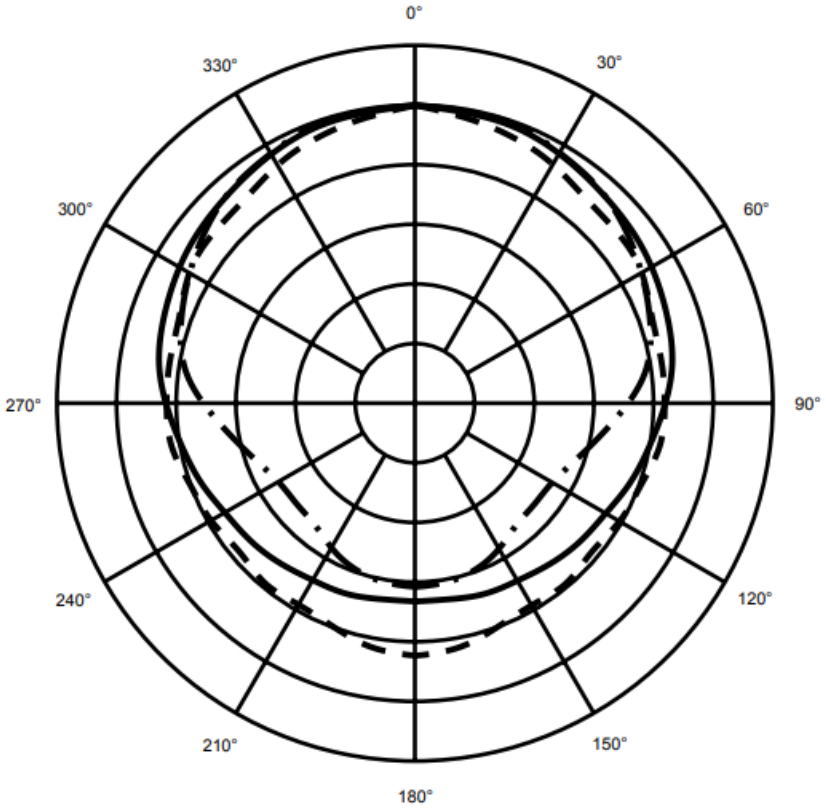
- Designed for use as a quality talk-back microphone
- Dependable performance for entertainment, commercial and industrial applications
- Custom-tailored frequency response ensures excellent intelligibility in environments with excessive ambient noise
- Protective windscreen and rugged construction
- Plugs directly into an XLRF-type surface or cable connector
- Overall length of 16.2″ (412.7 mm)

Output from the microphone's XLRM-type connector is low impedance (Lo-Z) balanced. The signal appears across Pins 2 and 3; Pin 1 is ground (shield). Output phase is "Pin 2 hot" – positive acoustic pressure produces positive voltage at Pin 2. To avoid phase cancellation and poor sound, all mic cables must be wired consistently: Pin 1-to-Pin 1, etc. For a high impedance (Hi-Z) mic input, connect a Lo-Z balanced cable to a Hi-Z matching transformer (A-T CP8201 or equal) at the equipment input.

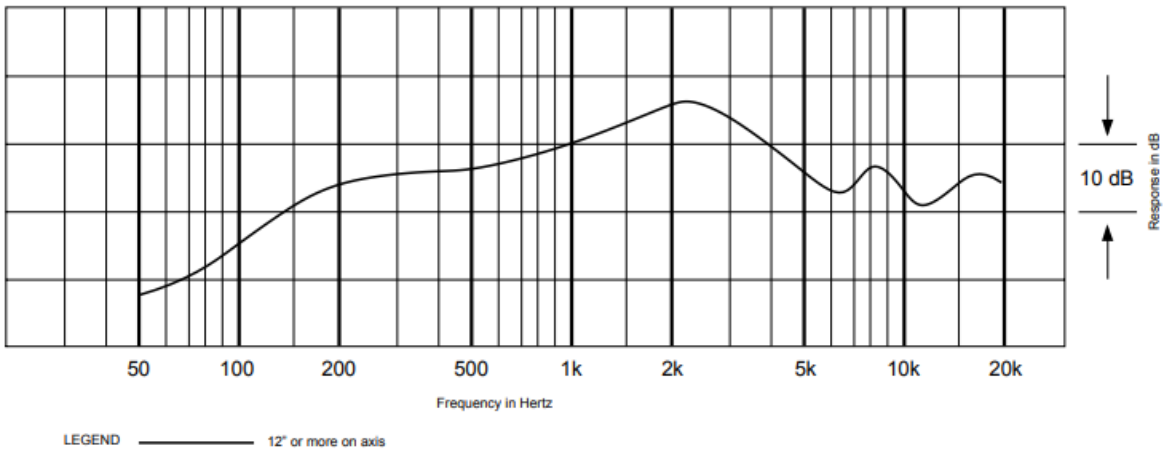
Plug Type	Ground	Audio "+"	Audio "-"
XLR	Pin 1	Pin 2	Pin 3
¼" TRS	Sleeve	Tip	Ring
¼" TS	Sleeve	Tip	Sleeve

The flexible gooseneck is easy to manipulate for proper positioning. Heavily lubricated, it operates smoothly and quietly. Should the unit become noisy with prolonged use, apply a light machine oil directly on the gooseneck area affected. Take care to keep foreign particles from entering the windscreen. An accumulation of iron or steel filings on the diaphragm, and/or foreign material in the windscreen's mesh surface, can degrade performance.

Polar Pattern



Frequency Response

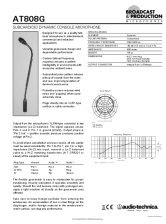


FAQ

Q: What should I do if the microphone becomes noisy with prolonged use?
A: Apply a light machine oil directly on the affected gooseneck area for smooth and quiet operation.

Q: How can I maintain the microphone's performance?
A: Prevent foreign particles from entering the windscreen to avoid degradation in performance.

Documents / Resources

	audio-technica AT808G Sub Car Dioid Dynamic Console Microphone [pdf] User Manual AT808G Sub Car Dioid Dynamic Console Microphone, AT808G, Sub Car Dioid Dynamic Console Microphone, Dioid Dynamic Console Microphone, Dynamic Console Microphone, Console Microphone

References

- Your Ultimate Resource for Millions of User Manuals
- User Manual