

ACS312-48V

Conference Microphone | 48V Phantom Power

High-end wired gooseneck conference microphone with an electret super-cardioid capsule, 48V phantom power, a metal panel, an illuminated soft-touch switch, and a low-impedance balanced XLR output.



48V Phantom Power

Super-Cardioid

Electret Capsule

Metal Panel

Balanced XLR Out

420mm Gooseneck



PRODUCT DESCRIPTION

The ACS312-48V is a high-end wired conference microphone built around an electret super-cardioid capsule on a 420mm flexible gooseneck. It runs on 48V phantom power, covers 20Hz to 20kHz through a low-impedance balanced XLR output, and pairs a metal panel with an illuminated soft-silicone switch and a red mic-head light ring for clear, at-a-glance talk status.

Microphone Type Electret Condenser	Polar Pattern Super-Cardioid	Frequency Response 20Hz – 20kHz
Sensitivity -38dB ± 2dB	Output 75Ω Balanced XLR	Power Supply Phantom Power 48V

IDEAL FOR

Conference Rooms Boardroom and meeting-room discussion	Speeches & Podiums Directional pickup for presenters	Teaching & Training Lecture halls, classrooms, and training rooms	Events & Assemblies Any occasion that needs clear speech pickup
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The ACS312-48V is a high-end wired conference microphone built around an electret super-cardioid directional capsule. It covers 20Hz to 20kHz with -38dB ±2dB sensitivity, referenced to 0dB = 1V/Pa at 1kHz, for natural and intelligible speech reproduction.

The unit runs on 48V phantom power supplied over its audio connection, drawing 2.4mA in stand-by and 6.6mA in operation. Audio leaves through a single XLR male connector as a low-impedance 75Ω balanced signal, and the design carries strong immunity to mobile-phone interference.

A metal panel gives the base an overall high-end, solemn look in line with modern aesthetic standards. A soft silicone mechanical switch shows a steady green pattern in stand-by and a steady red pattern once pressed, with a colour switching function, while the light ring around the microphone head stays red the whole time the unit is speaking.

48V Phantom power supply
20Hz–20kHz Frequency response
-38dB Sensitivity ± 2dB
75Ω Balanced output impedance
420mm Flexible gooseneck
XLR Male connector × 1

PRODUCT KEY FEATURES

 Electret Super-Cardioid Capsule A directional electret condenser capsule focuses on the talker and rejects off-axis room noise.	 48V Phantom Power Runs entirely on 48V phantom power over the audio line — 2.4mA stand-by, 6.6mA operating.	 Balanced 75Ω XLR Output A low-impedance balanced output on one XLR male connector drives long cable runs cleanly.
 Metal Panel Design A metal panel gives the base a high-end, solemn look in line with modern aesthetic standards.	 Illuminated Soft-Touch Switch A soft silicone mechanical switch lights steady green in stand-by and steady red once pressed.	 Colour-Switching Indication The switch pattern supports a colour switching function, keeping talk status clear across the room.
 Red Mic-Head Light Ring A light ring around the microphone head stays red the whole time the unit is speaking.	 Mobile Interference Immunity Super anti-interference construction keeps mobile-phone RF out of the audio path.	 420mm Flexible Gooseneck A 420mm gooseneck aims the capsule precisely from a compact 94.3 × 143 × 44mm, 0.65kg base.

TECHNICAL SPECIFICATIONS

MICROPHONE & ACOUSTICS	
Microphone Type	Electret condenser
Polar Pattern	Super-cardioid (directional)
Frequency Response	20Hz – 20kHz
Sensitivity	-38dB ± 2dB
Sensitivity Reference	0dB = 1V/Pa at 1kHz
Polar Plot Reference	Measured at 1kHz
EMI Immunity	Anti-interference (mobile phones)
OUTPUT & POWER	
Audio Output	XLR male connector × 1
Output Type	Low-impedance balanced
Output Impedance	75Ω
Power Supply	Phantom power 48V
Current — Stand-by	2.4 mA
Current — Operating	6.6 mA
DESIGN & INDICATION	
Panel Material	Metal
Switch Type	Soft silicone mechanical
Stand-by Indication	Pattern steady green
Speaking Indication	Pattern steady red
Colour Switching	Supported
Mic-Head Light Ring	Steady red while speaking
PHYSICAL & APPLICATION	
Base Dimensions (L×W×H)	94.3 × 143 × 44 mm
Gooseneck Microphone	420 mm flexible gooseneck
Base Weight	0.65 kg
Gooseneck Mic Weight	0.07 kg
Connection	Wired
Applications	Conferences, speeches, teaching