Microphone
CMX220

AUDAC

PROFESSIONAL AUDIO EQUIPMENT

CMX220 mini shotgun microphone

User Manual & Installation Guide

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Before connecting or installing this product, first read these instructions carefully

Introduction

The Audac CMX220 microphone is a back electret mini shotgun condensor microphone, primarily designed for speech and vocal pickup.

The CMX220 can be mounted on lecterns or conference tables, or be used with the APM microphone base.

Designed with an interference tube to capture voice at long distances, and enhancing the sensitivity of directional pickup.

Features

- High quality back electret condenser capsule
- Wide dynamic range and frequency response
- High sensitivity, low signal noise, super directivity
- 360° revolving structural design with connecting joint
- Easy fit foam windscreen

Installation

1. Aim the microphone toward the desired source (person or group of persons), and away from any unwanted source, such as a loudspeaker.

2. Always use the supplied foam windscreen to control breath noise.

Technical specifications

Type	Back electret with interference tube
Polar pattern	Line + gradient (see figure 1)
Element	pressure gradient, FET preamplifier
Frequency response	50 Hz—18 kHz (see figure 2)
Sensitivity	-40 dB ±3 dB (0 dB = 1V/Pa @ 1 kHz)
Impedance	250 Ohm ±30% (@ 1 kHz)
Load Impedance	1250 Ohm
Equivalent noise level	21 dBA
Maximum SPL	125 dB (THD 0.5% 1000 Hz)
Signal-to-noise ratio	72 dB
Dynamic range	105 dB
Power supply	Phantom Power 16—52 V DC
Current Consumption	3.5 mA
Output connector	3 pin XLR connector Gold plated
Colour	Iron grey
Dimensions	Ø 19 mm x 238 mm
Weight	Approx. 200 gr.
Accessories included	Foam windscreen

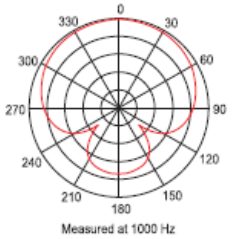

Figure 1 : Polar pattern

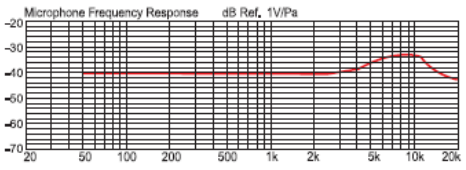

Figure 2 : Frequency response

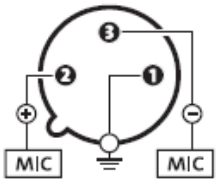

Figure 3 : Wiring diagram

CE

Eligible to bear CE marking. Conforms to European EMC Directive 89/336/EEC. Meets applicable tests and performance criteria in European standard EN 55103 (1996) parts 1 and 2, for residential (E1) and light industrial (E2) environments.