

USER GUIDE

OHCM-200

Overhead Hanging Condenser Microphone

Thanks for purchasing the Nady OHCM-200 Overhead Hanging Condenser Microphone! This microphone is a wide-range back electret condenser with a cardioid polar pattern. It is very useful in a variety of overhead hanging mic applications such as high quality sound reinforcement, professional recording, and many other demanding sound pickup situations. The microphone is designed to be powered by an external 9-52 V DC phantom power supply and is enclosed in a rugged die cast case for long-term reliability.

UNPACKING, INSPECTION, STORAGE AND TRANSPORT

Your OHCM-200 microphone was carefully packed at the factory, and the shipping carton was designed to protect the unit during shipping. Please examine your microphone before using and retain the external shipping package for reuse should you ever need to return your microphone for servicing.



USING YOUR OHCM-200

The OHCM-200 can be used with any standard mixer, powered mixer/amplifier, or mic preamp which provides 9-52V phantom power. The optional Nady 48V SMPS-1 Phantom Power Supply can also be used if your mixer doesn't supply phantom power. Connect the supplied mini-XLR to XLR cable directly to your equipment, or use an XLR to XLR balanced low impedance cable as an extension if needed.

The OHCM-200 should be placed at the desired location and aimed at the sound source. The hanging wire must be attached at an appropriate spot to support the mic and allow proper stable aim at the source. Experiment with your mic and its placement and you will find it to be a useful tool in many applications. Although designed primarily for high quality far field pickup of audio, such as for use with choirs and stage plays, the Nady OHCM-200 can also be used in many creative applications. For example, it can also be used closed field to pickup audio from instruments and percussion. Be aware of the proximity effect (an increase in bass response) when the mic is placed close to the instrument. This may or may not be desirable. Experimenting with the position of the mic with respect to the audio source will ensure the optimum results you are seeking in any given application.

If the microphone is placed too near a speaker during live stage use, an unpleasant howling effect (acoustic feedback) may occur. Although all microphones are prone to feedback to some extent, those with a unidirectional polar pattern (such as the OHCM-200) are specially designed to accept only signals from audio sources in front of the mic element. Thus, the cardioid pattern of the OHCM-200 ensures that it will deliver only the desired audio in front of the mic, rejecting the unwanted audio from the rear, even in noisy ambient conditions with high sound pressure levels from the P.A. and monitor speakers. This means that feedback will be greatly minimized with the OHCM-200 in all live performance miking applications. Of course, when using this mic in far field audio pickup applications, extra care must be taken to lessen feedback.

Some useful ways in which to totally eliminate annoying feedback in live use include: experimenting with mic positions with respect to the speakers, decreasing speaker volume (whenever possible), and adjusting the equalization of the mic audio with the mixer.

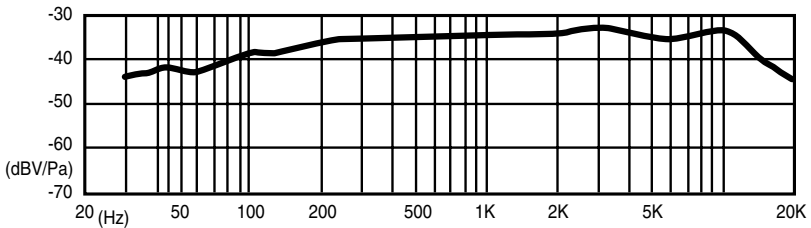
PRECAUTIONS AND CARE OF YOUR OHCM-200

- The microphone should never be dropped or subjected to extreme shock. Store only in a padded case to protect it during transport.
- Keep the microphone away from extremely high temperatures (above 140°F or 60°C) and humidity. Avoid leaving the microphone in direct sunlight for long periods of time.
- When using the microphone outdoors, avoid getting it wet.
- After use in a high-moisture application such as a stage performance, wipe off the microphone with a dry cloth and permit it to air dry. Do not store the unit in a closed space (e.g., a plastic bag) until all moisture has evaporated.

FEATURES

- Extended smooth, flat frequency response, and ultra sensitivity and high SPL capacity for clearest audio performance in any application — from miking choral groups to stage performances
- Low-mass back electret condenser element for most accurate, detailed audio
- Cardioid pattern for frontal audio pickup without feedback and unwanted side and rear fill
- Permanently attached 20' (6.1M) cable with convenient integrated power module/XLR (M) connector
- Rugged construction for optimum reliability. Integrated hanging wire for ease of mounting in any use
- Conveniently powered by external 9~52 phantom power, no batteries required

FREQUENCY RESPONSE



SPECIFICATIONS

Microphone Type.....	Back electret condenser
Polar Pattern.....	Uni-directional
Output Connector.....	XLR
Frequency Response	50Hz to 16kHz, +/- 3dB
Sensitivity.....	-37dB, +/-3dB (0dB=1V/Pa @ 1kHz)
Output Impedance.....	200ohms +/-30% (@ 1kHz)
Operating Voltage.....	9-52VDC
Dimensions (Microphone only)	0.50" Dia. x 1.5" length (1.3 cm x 3.8 cm)
Weight (Microphone only).....	0.7 oz (20g)

SERVICE

(U.S.) Should your Nady OHCM-200 Overhead Hanging Condenser Microphone require service, please contact the Nady Customer Service Department via telephone: (510) 652-2411 or e-mail: service@nady.com.

(INTERNATIONAL) For service, please contact the Nady distributor in your country through the dealer from whom you purchased this product. The warranty card supplied with this system provides valuable warranty and service information. Store it in a safe place for future reference. Do not attempt to service this unit yourself as it will void your warranty.



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