

USER GUIDE

Thanks for purchasing the Nady CBM 40 Boundary Microphone! This microphone is a wide-range back electret condenser with a cardioid polar pattern. It is very useful in a variety of surface-mounted 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 heavy-duty die cast case on rubber padding to minimize mechanical coupling of surface vibrations to the microphone.

**UNPACKING, INSPECTION, STORAGE AND TRANSPORT**

Your CBM 40 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 CBM 40

The CBM 40 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 CBM 40 should be placed on a sturdy flat surface and aimed at the sound source. Experiment with your mic 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 CBM 40 can also be used in many creative applications. For example, wrapped in a blanket to deaden vibrations, it is a very effective kick drum mic when placed inside the kick drum.

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 CBM 40) are specially designed to accept only signals from audio sources in front of the mic element. Thus, the half cardioid pattern of the CBM 40 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 CBM 40 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 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 CBM 40

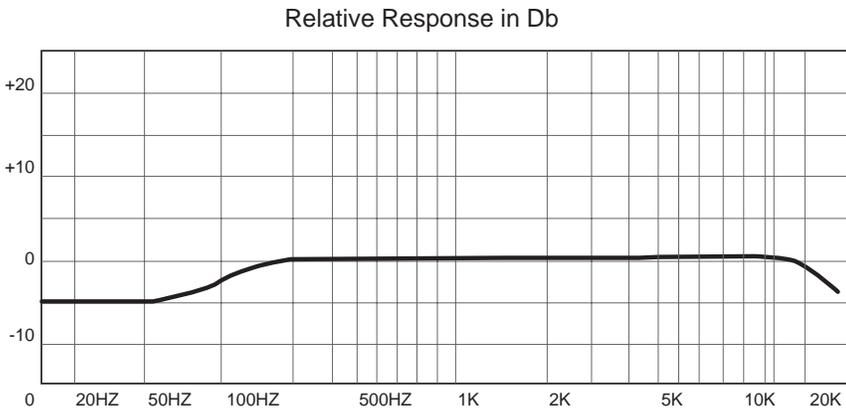
- The microphone should never be dropped or subjected to extreme shock. Store only in a padded case to protect it during transport.
- Keep the microphone away from extremely high temperatures (above 140°F or 60°C) and humidity. Avoid leaving the microphone in direct sunlight for long periods of time.
- 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

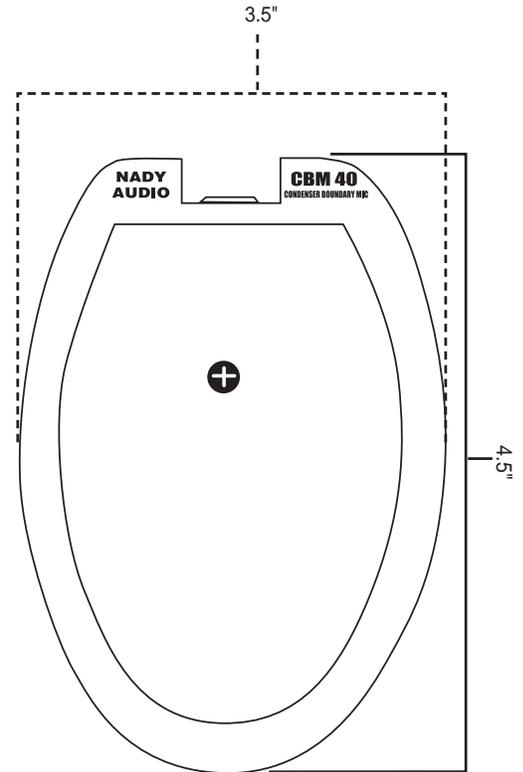
- Ideal for a variety of sound reinforcement/recording applications; Choirs, orchestras, theatrical performances, courtrooms/conference rooms, and inside bass/kick drums
- Uni-directional pickup pattern and full frequency response of 50Hz~18KHz produce top audio at any distance from the source with excellent feedback rejection

- Rugged die-cast alloy housing on rubber padding to minimize mechanical coupling of surface vibrations to the microphone
- 9-52V phantom powered

FREQUENCY RESPONSE



DIMENSIONS



SERVICE

(U.S.) Should your Nady microphone require service, please contact the Nady Service Department via telephone at (510) 652- 2411 or e-mail at service@nady.com. **(INTERNATIONAL)** For service, please contact the Nady distributor in your country through the dealer from whom you purchased this product.

Date of purchase _____

Dealer's Name _____

Street _____

City _____ State _____ Zip _____

Note: Do not attempt to service this unit yourself as it will void your warranty.

CBM 40 SPECIFICATIONS

Transducer Type.....Back electret condenser element
 Directional PatternUni-directional (cardioid)
 Frequency Response50Hz~18KHz
 Sensitivity (@ 1KHz,74dB S.P.L.).....-45dB, +/-3dB
 Impedance250 Ω, balanced
 Maximum S.P.L. (1%T.H.D.).....>130dB
 Connector.....Mini-XLR

Power Requirements.....9-52V phantom power
 Dimensions3.5" x 4.5" (8.9 cm x 11.4 cm)
 Weight.....9.5 oz (271g)
 Material.....Die-cast metal alloy
 Accessories20' (X2 mini-XLR) cable, mini-XLR/XLR phantom power adapter

Specifications and design subject to change for improvement purposes without prior notice.

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