



# HM-20U Headmic™

# USER GUIDE

Congratulations on purchasing the NADY HM-20U miniature uni-directional condenser headset microphone. Optimally designed for singing and speaking applications, even in noisy environments. Its small, lightweight design makes it ideal for hands-free use with minimum visibility. Perfect for singer-musicians (drummers, keyboardists), vocal/dance performers, DJ's, television announcers, public speakers, and aerobics instructors.

## STANDARD ITEMS SUPPLIED

- HM-20U unidirectional headmic with small foam windscreen
- Additional foam windscreen
- Extra boom assembly
- User guide and Warranty card

## OPTIONAL ACCESSORIES

- XM-10 — Mini-XLR to XLR phantom power adapter (converts 48V phantom power to 5V-10V DC)
- HM-CC1 — Plastic headmic carrying case

## FEATURES

- Full-frequency, uni-directional electret condenser mic
- Warm, transparent audio and maximum feedback rejection
- Durable, thin metal frame easily molded to any user
- Ergonomic design and comfortable fit with or without glasses, hat, or headphones (also no hairstyle hindrance)
- Tiny 5 x 8 mm lightweight capsule for hours of comfortable use
- Two sizes of foam windscreen included to reduce wind/popping noise
- Extendable, fully adjustable boom for optimum mic capsule placement
- Available with mini-XLR, 3.5mm phono plug (fits most standard wireless bodypack transmitters) or with standard XLR adapter for all wired and wireless applications
- Choice of black or beige

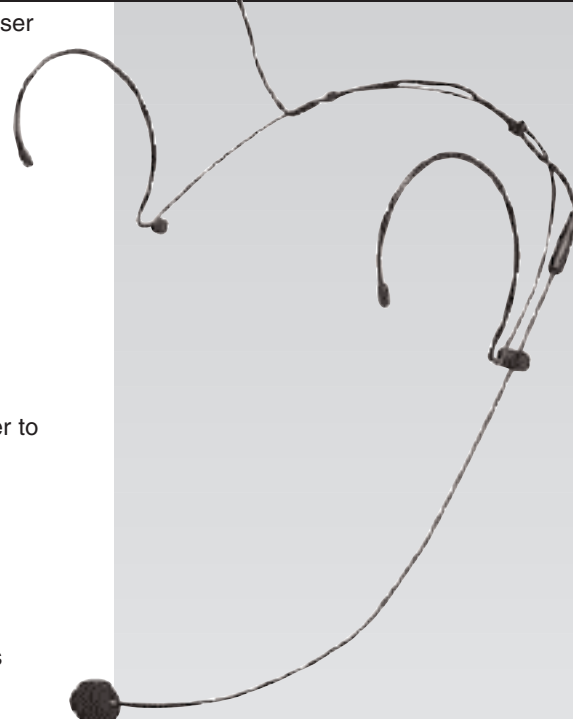
## USE & CARE

The headset's arch-shaped rests are placed over each ear and the remainder of the band extends around the back of the head just above the neck. The tip of the supporting arches rests on the temple just in front of the ear providing the necessary stability during use. The mic boom descends from the ear on the left side.

Carefully loosen the boom by unscrewing the assembly one-quarter turn. Place the microphone capsule close to the mouth to a favorable audio position. Tighten the boom assembly. Bend the boom and headset slightly for optimum fit.

Connect the Mini-XLR or 3.5mm phono plug of the microphone cable to the input jack of the bodypack transmitter or XM-10 phantom power adapter. When using a phantom power adapter, connect it to the microphone input of an audio preamp that provides phantom power.

The entire HM-20U assembly has been moisture-proofed to guard against deterioration during use. After use in a high moisture application such as aerobics or a stage performance, remove the foam screen, wipe the headset with a dry soft 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, and avoid conditions of extremely high humidity. This will help maintain the HM-20U's excellent performance. While the HM-20U is not unusually sensitive to the outside environment, extremes in temperature can be harmful. Avoid, for example, leaving the microphone in direct sunlight for long periods of time.

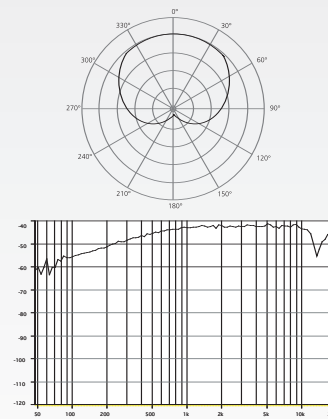


## SPECIFICATIONS

- Element:** Back electret condenser
- Polar pattern:** Uni-directional cardioid
- Frequency Response:** 20Hz-20KHz
- Sensitivity:** -46dB ±3dB
- Output impedance:** 1K Ohms ±5%
- SPL max:** 135dB
- Power Supply:** 1.5-12V DC
- Capsule:** 5x8mm
- Cable:** 1.5mm dia, 1M (40")
- Weight:** 0.6 oz. (18g)
- Output connector:** 3.5mm mini-locking plug or 3pin mini-XLR connector
- Mini-XLR Wiring:** GND = Pin 1, Hot (+) = Pin 3 --> 2K Ohms --> Pin 2
- 3.5mm Plug Wiring:** GND = Sleeve, Hot (+) = Tip Foam windscreen and extra boom assembly included

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

## FREQUENCY RESPONSE & POLAR PATTERN



## SERVICE FOR YOUR NADY AUDIO PRODUCT

(U.S.) Should your NADY AUDIO product require service, please contact the Nady Service Department via telephone at (510) 652-2411, or e-mail to service@nady.com.

(International) For service, please contact the NADY AUDIO distributor in your country through the dealer from whom you purchased this product.



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