

USER GUIDE

Congratulations on purchasing the Nady TRM-6 Tube Ribbon Microphone. This superior microphone is perfect for recording studio vocals, acoustic instruments, orchestras and choral groups, ambient instrument audio, and many live sound applications. Powerful and versatile, the TRM-6 meets the stringent requirements of even the most demanding digital recording and live broadcasting applications.

This user guide covers the operation of the TRM-6 and the TMPS-6 power supply. To take full advantage of the superb features of this microphone, and to enjoy long and trouble-free use, please read this user's guide carefully.

UNPACKING, INSPECTION, STORAGE AND TRANSPORT

Your TRM-6 microphone was carefully packed in the supplied aluminum flight case at the factory, and the shipping carton was designed to protect the unit during shipping. Please retain this container in the highly unlikely event that you ever need to return your microphone for servicing. The supplied aluminum case is highly recommended for convenient and safe transport or permanent storage. It has a combination lock and roomy foam padded compartments for the TRM-6 and all supplied accessories. Please note: since the ribbon assembly of the TRM-6, as with all ribbon microphones, is extremely fragile, you must verify immediately upon receipt of your microphone that it has not been damaged during shipment and is operating correctly. The warranty on this microphone does not extend beyond an initial inspection, since these microphones can be so easily damaged during handling and use. If the unit arrived damaged please return it immediately to where you bought it. Units that are damaged in use can be returned to Nady Systems and the ribbon assembly replaced for a fixed charge (see Service section).

ACCESSORIES INCLUDED

- TMPS-6 remote power supply with switchable 115/230VAC operation
- Power cord
- Elastic suspension shock mount
- 33 ft connecting cable with 7-pin XLR
- Aluminum flight case
- Foam windscreen
- User guide
- Warranty card

FEATURES

- The unparalleled sound of a classic ribbon mic with the natural warmth and musicality of an internal tube preamp... sets new standards of performance for ribbon (velocity) mics.
- Low-tension 45mm long, 2-micron thick aluminum ribbon design with typical "large, mellow" ribbon audio reproduction. Smooth, natural extended low and high ends and detailed realistic mids.
 - Unique integrated 12AX7A preamp tube provides unmatched tube audio at levels higher than that of ordinary ribbon mics; allows the convenience of use with all mixer inputs without requiring external pre-amplification.
 - Versatile design, perfect for numerous applications, including vocal and instrument recording and live sound uses.
 - Superior overall stunning realism with fast, accurate transient response, ultra-high dynamic range and >135 dB SPL capability.
 - Utmost versatility in dialing in the desired sound by varying mic placement. Figure-8 audio directional (pickup) pattern for both front and rear side, with extended sweet spots (compared to large diaphragm condenser mics). Can be used with a second TRM-6 for individual recording volume control of 2 separate sources by placing each source in the principal axis of one mic and the off-axis null of the other.
 - Manufactured with the finest materials — a machined housing with advanced internal shockmount construction for the highest structural integrity and rugged reliability.

WARNING / PRECAUTIONS

The active element of your microphone is a very thin corrugated aluminum ribbon clamped under light tension and mounted between the poles of a strong magnet. This design enables it to produce warmest, most natural sound available from any type of studio microphone. However, it also makes this the most sensitive and fragile studio microphone available. All ribbon microphones require special care or they will be seriously damaged. In order to ensure long life for your TRM-6 please always follow these 4 precautions:

1. Always protect your TRM-6 from any hard knocks, such as from dropping the mic, or not properly padding in shipment, as such jolts can destroy the ribbon assembly. Always handle with complete care.
2. Prevent any sudden or strong blasts of air movement from ever reaching your microphone, as they can tear and destroy the fragile ribbon. Never blow into your TRM-6! When using, always utilize a pop filter, such as the optional Nady MPF Series, to prevent any percussive sounds from damaging the ribbon. Such filters also prevent damage from moisture from mouth spray.
3. Never intentionally or accidentally apply any phantom power from your mixer or a phantom power supply to your TRM-6 as it can burn up the ribbon. Please always check carefully before connecting your ribbon mic that there is no phantom power being provided to the TRM-6.
4. When not in use, always keep the microphone in the padded aluminum case provided. Also, always store the mic in a vertical position because, over time, the 2" long ribbons can sag, gradually degrading performance if the mic is stored on its side. *Note: damaged ribbons are not covered by warranty and there will be a charge to replace the element.*



OPERATION

The TRM-6 must be powered by the supplied TMPS-6 power supply and amplified by a microphone pre-amp (such as built into a mixer, or a stand-alone unit).

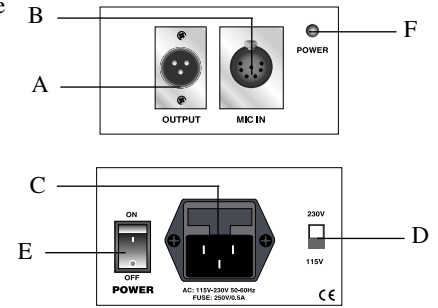
Set-up

1. Connect the TRM-6 to the TMPS-6 power supply with the (7-pin) XLR cable supplied.
2. Connect the TMPS-6 Audio Output to your mixer using a standard balanced 3-pin XLR microphone cable (*Note: Before connecting to a mixer directly, turn the channel to which you're connecting to its lowest gain setting, and turn off its phantom power.*)
3. Connect the TMPS-6 to the AC power supply (first selecting the proper voltage: 115 or 230VAC)
4. Turn on the TMPS-6 Power ON/OFF Switch.
5. Slowly turn up the channel gain in your mixer to the desired level. (*Note: Make sure to set the mixer to the proper gain level – too (Note: For optimum performance, it is best to let the microphone warm up for 5 to 10 minutes so that the internal vacuum tube can reach its peak specifications.)*)

Controls and Connections

- A. Audio output for connection to a standard balanced 3-pin XLR cable
- B. To microphone (use the supplied 7-pin XLR cable)
- C. IEC AC cord receptacle (with internal fuse), AC power cable supplied
- D. 115/230 VAC select switch.
- E. Power ON/OFF switch
- F. Power LED

(*Note: verify setting is at the correct voltage supplied or the unit will be damaged*)



USING THE MICROPHONE SHOCK MOUNT

It is recommended that the TRM-6 be used with the spider shock mount, which uses an elastic suspension to isolate the microphone from vibration, thereby lowering noise transmitted to the microphone from the stand. This is a useful tool in many situations, such as when the performer is tapping his or her feet, or when there is noise pickup from the rumbling of traffic outside of the building. The disadvantage of using the shock mount is that the weight of the microphone may make it drift in the elastic suspension, so mic placement may take a little longer.

To insert the TRM-6 into the shock mount, pinch close the levers on the sides of the mount to the open position, then slide the microphone into place.

USING THE FOAM WINDSCREEN

A foam windscreen is supplied with the TRM-6. This windscreen fits over the grill portion of the microphone and is designed primarily to decrease bass rumble (from wind noise pickup) during outdoor live or recording use. It is also useful in keeping mouth spray out of the microphone head. The windscreen should be used whenever someone is close miked to both protect the microphone and to also eliminate “popping” sounds from percussive breath sounds. An external stand mount pop filter, such as the Nady MPF Series, is also ideal for this application.

(*Note: Be aware that the foam windscreen will slightly attenuate the high frequency response of the microphone.*) (**WARNING:** The ribbon assembly is the heart of the microphone. If it becomes dirty or wet, the sound will be degraded. Never spray any liquid on the microphone head. Always use a foam windscreen or pop filter if you talk or sing close to the microphone grill screen.)

SPECIFICATIONS

Type: Large Ribbon Geometry (LRG) ribbon (velocity) microphone with integral vacuum tube pre-amplifier

Vacuum tube: 12AX7B

Ribbon type & Dimensions: Pure aluminum, 2 microns thick, 50mm x 5mm (L x W)

Polar pattern: Figure 8

Sensitivity: -45dB (0dB=1V/Pa)

Frequency response: 30 to 18,000Hz (+/- 3dB)

Impedance: <= 200 Ohms

Recommended load impedance: 1000 Ohms

Max. SPL (1% THD @1000Hz): 165 dB

Dynamic range (max SPL to A-weighted noise level): 115dB

Equivalent noise level to IEC 268-4(A weighted): 16 dB

S/N ratio re 1Pa: 76 dB

Connector/cable: 7-pin XLR cable (XC-7P), 33 ft (3 m)

Dimensions: Diameter: 2.3” (59mm), length 7.7” (195mm)

Net weight: 28.6 oz (800g)

Power requirement: Dedicated TMPS-6 powering unit (115/230VAC selectable)

TMPS-6 Dimensions: 6.5”x 3.9”x 2.5” (165 x 100 x 63mm)

TMPS-6 Weight: 2.8 lbs (1260g)

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

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 _____

Do not attempt to service this unit yourself as it will void your warranty. Please note that due to the extremely delicate nature of ribbon mics, which can easily be damaged by misuse and mishandling (as noted under Warning / Precautions section), the ribbon assembly of the TRM-6 is not covered under warranty. Check your unit carefully upon receipt and return to place of purchase immediately if there are any problems with the mic. After that, the standard Nady warranty will only apply to defects in materials and workmanship other than the ribbon assembly. If these are damaged, please contact the Nady Service Department for a quote for replacement of the ribbon assembly.



NADY SYSTEMS, Inc.

6701 Shellmound Street • Emeryville, CA 94608

Tel: 510.652.2411 • Fax: 510.652.5075 • www.nady.com