

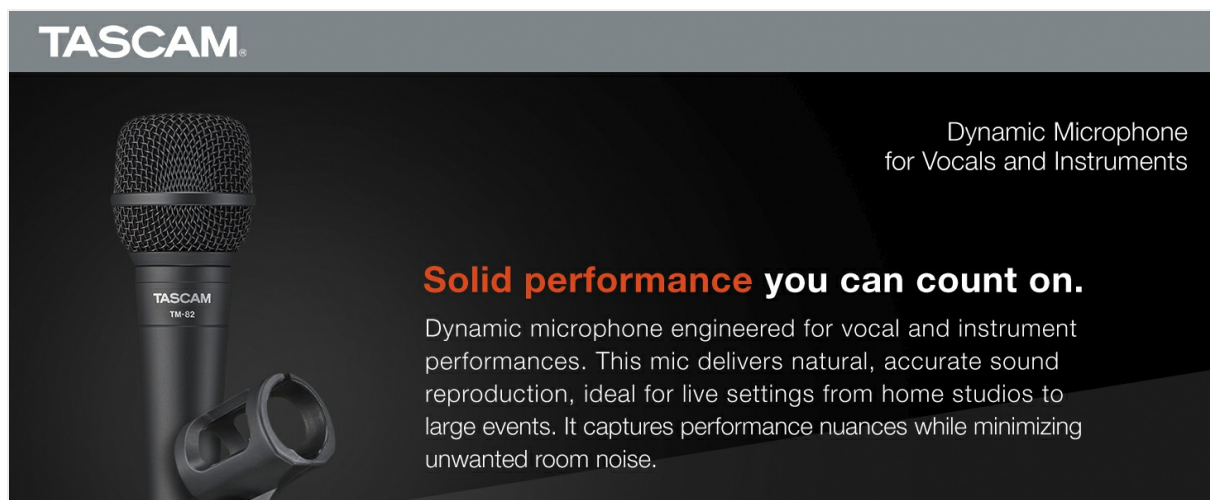
Tascam TM-82

TASCAM TM-82 Dynamic Microphone Instruction Manual

Model: TM-82

1. INTRODUCTION

The TASCAM TM-82 is a dynamic microphone engineered for capturing vocals and instruments. Its robust construction and cardioid directivity make it suitable for various live and studio applications, providing clear sound reproduction while minimizing unwanted ambient noise.



The TASCAM TM-82 dynamic microphone is designed for capturing vocals and instruments.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- TASCAM TM-82 Dynamic Microphone
- Mic Holder



The TM-82 microphone comes with a compatible mic holder for standard microphone stands.

3. SETUP

1. **Attach the Mic Holder:** Securely screw the included mic holder onto a standard microphone stand.
2. **Mount the Microphone:** Insert the TASCAM TM-82 microphone into the mic holder. Ensure it is firmly seated.
3. **Connect the Cable:** Connect an XLR cable (not included) to the XLR output connector at the base of the microphone. Connect the other end of the XLR cable to your mixer, audio interface, or amplifier.
4. **Power:** The TM-82 is a dynamic microphone and does not require phantom power for operation.

4. OPERATING INSTRUCTIONS

4.1. Microphone Placement

Optimal microphone placement is crucial for sound quality. Experiment with distance and angle to achieve the desired sound. The TM-82 features a **cardioid directivity**, meaning it is most sensitive to sound coming from the front and rejects sound from the sides and rear. This helps reduce feedback and isolate the intended sound source.

4.2. For Vocals

Position the microphone 2-6 inches (5-15 cm) from the vocalist's mouth. Adjust the distance to control proximity effect (increased bass response when close to the mic) and prevent plosives (harsh 'p' and 'b' sounds). The cardioid pattern helps minimize stage bleed from other instruments.



The TM-82 is suitable for vocal performances, capturing nuances while minimizing room noise.

4.3. For Instruments

When miking instruments, place the microphone in front of the sound source. For acoustic guitars, aim towards the soundhole or where the neck meets the body for a balanced sound. For guitar amplifiers, position the microphone close to the speaker cone. The robust metal construction ensures reliable performance.

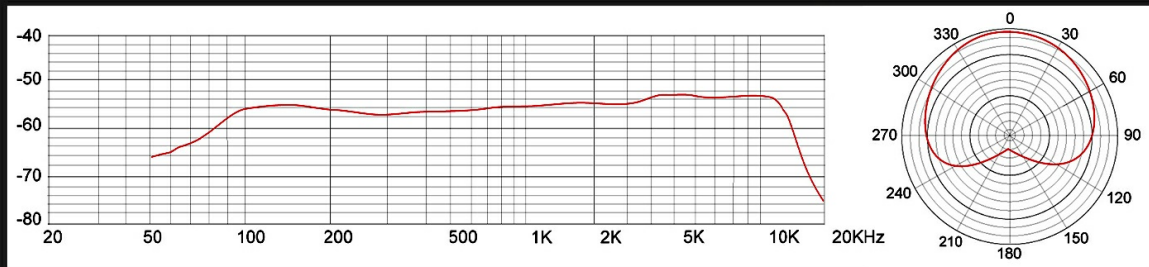


The microphone can be used for miking instruments, providing clear sound reproduction.

5. SPECIFICATIONS

Feature	Specification
Model Name	TM-82
Manufacturer	Tascam
Microphone Form Factor	Handheld
Polar Pattern	Unidirectional (Cardioid)
Connectivity Technology	XLR
Connector Type	XLR
Impedance	300 Ohms
Frequency Response	Approx. 20 Hz - 20 kHz (refer to diagram)
Signal-to-Noise Ratio	78 dB
Material	Metal
Item Weight	1.76 ounces (50 Grams)
Product Dimensions (L x W x H)	2.01 x 2.01 x 6.69 inches

Frequency response and polar diagram:



This diagram illustrates the frequency response and unidirectional (cardioid) polar pattern of the TM-82 microphone, showing its sensitivity across different frequencies and directions.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the microphone body. Do not use liquid cleaners or solvents, as they may damage the finish or internal components.
- **Storage:** Store the microphone in a dry, dust-free environment when not in use. Avoid extreme temperatures and humidity.
- **Handling:** The TM-82 is built tough with metal materials, but avoid dropping or subjecting it to severe impacts, which can affect performance.

7. TROUBLESHOOTING

- **No Sound Output:**
 - Ensure the XLR cable is securely connected to both the microphone and the input device (mixer, interface).
 - Check the input device's volume and gain settings.
 - Verify that the input channel on your device is selected and active.
- **Low Volume:**
 - Increase the gain on your mixer or audio interface.
 - Ensure the microphone is positioned optimally relative to the sound source.
- **Unwanted Noise/Feedback:**
 - Reposition the microphone to utilize its cardioid pattern, aiming it away from speakers or noise sources.
 - Check for faulty cables or connections.
 - Reduce gain levels if feedback persists.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Tascam website or contact your local Tascam dealer. Warranty terms and conditions may vary by region.

Visit the [Tascam Store](#) for more products and information.

