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beyerdynamic M201TG

Beyerdynamic M201 TG Classic Dynamic Hypercardioid Microphone

Model: M201TG | Brand: beyerdynamic

INTRODUCTION

The Beyerdynamic M 201 TG is a highly sensitive classic dynamic microphone designed for a wide array of applications, from instrumental recording to vocal performances. Its unique construction minimizes handling noise, making it suitable for various professional environments. The integrated "hum buck" coil effectively rejects interference from nearby electronic devices, ensuring clear audio capture. This microphone is renowned for its uniform response, compact size, and robust build, making it a versatile tool for capturing diverse sound sources with exceptional clarity and neutrality.



Figure 1: The Beyerdynamic M201 TG microphone, showcasing its compact and robust design.

KEY FEATURES

- **Universal Application:** Features a hypercardioid polar pattern suitable for a broad range of instrumental and vocal uses.
- **Interference Rejection:** Equipped with an integrated hum-buck coil to minimize electrical interference.
- **Low-Mass Transducer:** Utilizes a low-mass moving coil transducer for accurate sound reproduction.
- **Compact Design:** Small dimensions allow for unobtrusive positioning in various setups.
- **Superior Audio Quality:** Delivers clarity, neutrality, and excellent intelligibility.
- **Durable Construction:** Built with rugged materials for long-lasting performance.
- **Included Accessories:** Comes with a microphone clamp and a storage bag for convenience and protection.

SETUP

Setting up your Beyerdynamic M201 TG microphone is straightforward. Follow these steps for optimal performance:

1. **Unpack:** Carefully remove the microphone, microphone clamp, and storage bag from the packaging.
2. **Attach Clamp:** Securely attach the included microphone clamp to a standard microphone stand.
3. **Mount Microphone:** Insert the M201 TG into the microphone clamp. Ensure it is firmly seated to prevent accidental dislodgement.
4. **Connect Cable:** Connect a standard XLR cable (not included) to the microphone's XLR output and then to your audio interface, mixer, or preamplifier. Ensure a secure connection at both ends.
5. **Positioning:** Position the microphone according to your specific application. The hypercardioid pattern is effective for isolating sound sources and reducing off-axis noise.



Figure 2: Side view of the M201 TG, highlighting its robust casing and connection point.

OPERATING INSTRUCTIONS

The Beyerdynamic M201 TG is designed for versatile use. Here are guidelines for various applications:

- **Vocal Applications:** For vocals, position the microphone 6-12 inches from the sound source. The hypercardioid pattern helps to reject background noise, making it ideal for live performances or studio recording where isolation is key.
- **Instrumental Applications:**
 - *Drums (Snare, Hi-Hats, Toms):* Its uniform response and small size make it excellent for close-miking drums. For snare drums, position it a few inches above the rim, angled towards the center. For hi-hats, aim it from above, focusing on the top cymbal.
 - *Acoustic Guitars/Banjoes:* Place the microphone 6-12 inches from the sound hole or bridge, experimenting with angles to capture the desired tonal balance.
 - *Brass Instruments:* Due to its ability to handle high sound pressure levels and its effectiveness at a distance, it can be positioned further from the bell of brass instruments to capture a fuller sound without distortion.
- **Interference Reduction:** The integrated "hum buck" coil is particularly effective when the microphone is used near video monitors or other mains-powered devices. This feature helps maintain signal integrity in electrically noisy environments.

- **Handling Noise:** The M201 TG's construction is designed to reduce handling noise to a minimum, providing clean audio even when the microphone is adjusted during use.



Figure 3: Detail of the M201 TG's grille, designed for optimal sound capture.

MAINTENANCE

Proper maintenance ensures the longevity and performance of your Beyerdynamic M201 TG microphone:

- **Cleaning:** Use a soft, dry cloth to wipe down the microphone body. For the grille, a soft brush can be used to gently remove dust or debris. Avoid using liquid cleaners directly on the microphone.
- **Storage:** When not in use, store the microphone in its included storage bag to protect it from dust, moisture, and physical damage.
- **Handling:** Despite its rugged construction, avoid dropping the microphone or subjecting it to excessive force, as this can damage internal components.
- **Environmental Conditions:** Keep the microphone away from extreme temperatures, high humidity, and direct sunlight.

TROUBLESHOOTING

If you encounter issues with your M201 TG, consider the following:

- **No Sound Output:**
 - Check all XLR cable connections to ensure they are secure.
 - Verify that your audio interface or mixer input is correctly selected and its gain is adequately set.
 - Test with a different XLR cable or input channel if possible.
- **Humming or Buzzing Noise:**
 - Ensure the "hum buck" coil is functioning as intended.
 - Move the microphone away from power cables, transformers, or other electronic devices that may be emitting electromagnetic interference.
 - Check for ground loops in your audio setup.
- **Distorted Sound:**
 - Reduce the input gain on your audio interface or mixer. The M201 TG can handle high SPLs, but excessive gain can still lead to clipping.
 - Increase the distance between the microphone and the sound source if the source is very loud.
- **Excessive Handling Noise:**
 - Ensure the microphone is securely mounted in its clamp and that the stand is stable.
 - Consider using a shock mount (if compatible and not already integrated) for critical applications to further isolate the microphone from vibrations.

SPECIFICATIONS

Feature	Detail
Brand	beyerdynamic
Model Name	M201 TG
Polar Pattern	Hyper Cardioid
Connector Type	XLR
Frequency Range	40 - 18000 Hz
Signal-to-Noise Ratio	72 dB
Item Weight	10.7 ounces (0.67 Pounds)





Feature	Detail
Product Dimensions (L x W x H)	0.9 x 6.3 x 0.9 inches
Material	Brass
Color	Black
Included Components	Microphone, Mic Clip, Carry Bag



WARRANTY AND SUPPORT

For detailed warranty information, technical support, or service inquiries regarding your Beyerdynamic M201 TG microphone, please refer to the official Beyerdynamic website or contact their customer service directly. You can also visit the official Beyerdynamic store on Amazon for product information and support resources.

Visit the Beyerdynamic Store on Amazon

Related Documents - M201TG

	<p>Beyerdynamic M 160 Double-Ribbon Microphone User Manual</p> <p>Comprehensive user manual for the Beyerdynamic M 160 dynamic double-ribbon microphone, covering safety instructions, box contents, features, application, technical specifications, installation, operation, maintenance, disposal, troubleshooting, warranty, and conformity information.</p>
	<p>Beyerdynamic DT 150 and DT 190 Professional Headphones and Headset User Manual</p> <p>Comprehensive user manual for Beyerdynamic DT 150 studio headphones and DT 190 professional headset, covering features, connection, operation, maintenance, safety, specifications, and accessories.</p>
	<p>beyerdynamic TG D35 Dynamic Drum Microphone: Product Overview and Specifications</p> <p>Detailed product information for the beyerdynamic TG D35 dynamic drum microphone, including safety guidelines, application notes, technical specifications, and setup instructions.</p>
	<p>Beyerdynamic MM 1 Condenser Measurement Microphone User Manual</p> <p>This user manual provides important information on the use of the Beyerdynamic MM 1 condenser measurement microphone. It covers safety instructions, box contents, features, technical specifications, installation, operation, maintenance, disposal, troubleshooting, warranty, and conformity.</p>

	<p>Beyerdynamic TG L58c Lavalier Microphone - Product Information and Specifications</p> <p>Detailed product information, technical specifications, safety guidelines, and usage instructions for the Beyerdynamic TG L58c omnidirectional condenser lavalier microphone.</p>
	<p>beyerdynamic MC 930 True Condenser Microphone User Manual</p> <p>User manual for the beyerdynamic MC 930 True Condenser Microphone, covering features, specifications, installation, operation, maintenance, and troubleshooting. Includes individual and stereo set information.</p>