

Shure MX153T/O-TQG

Shure Microflex MX153 Earset Headworn Microphone User Manual

Model: MX153T/O-TQG

1. PRODUCT OVERVIEW

The Shure Microflex MX153 is a professional subminiature earset microphone designed for clear speech capture in various applications. Its low-profile and discreet placement make it suitable for corporate presentations, houses of worship, A/V conferencing, and live sound reinforcement, offering improved gain before feedback compared to traditional lavalier microphones.

Key Features:

- **Subminiature Omnidirectional Cartridge:** Provides superior clarity and enhanced plosive protection without proximity effect.
- **TQG / TA4F Connector:** Designed for direct compatibility with Shure wireless bodypack transmitters.
- **Ultra-lightweight Design:** Comfortable, flexible, and stable for placement over either ear.
- **CommShield Technology:** Guards against interference from cellular RF devices and digital bodypack transmitters.
- **Durable Cable:** Features a Kevlar-reinforced soft flex cable for enhanced longevity.

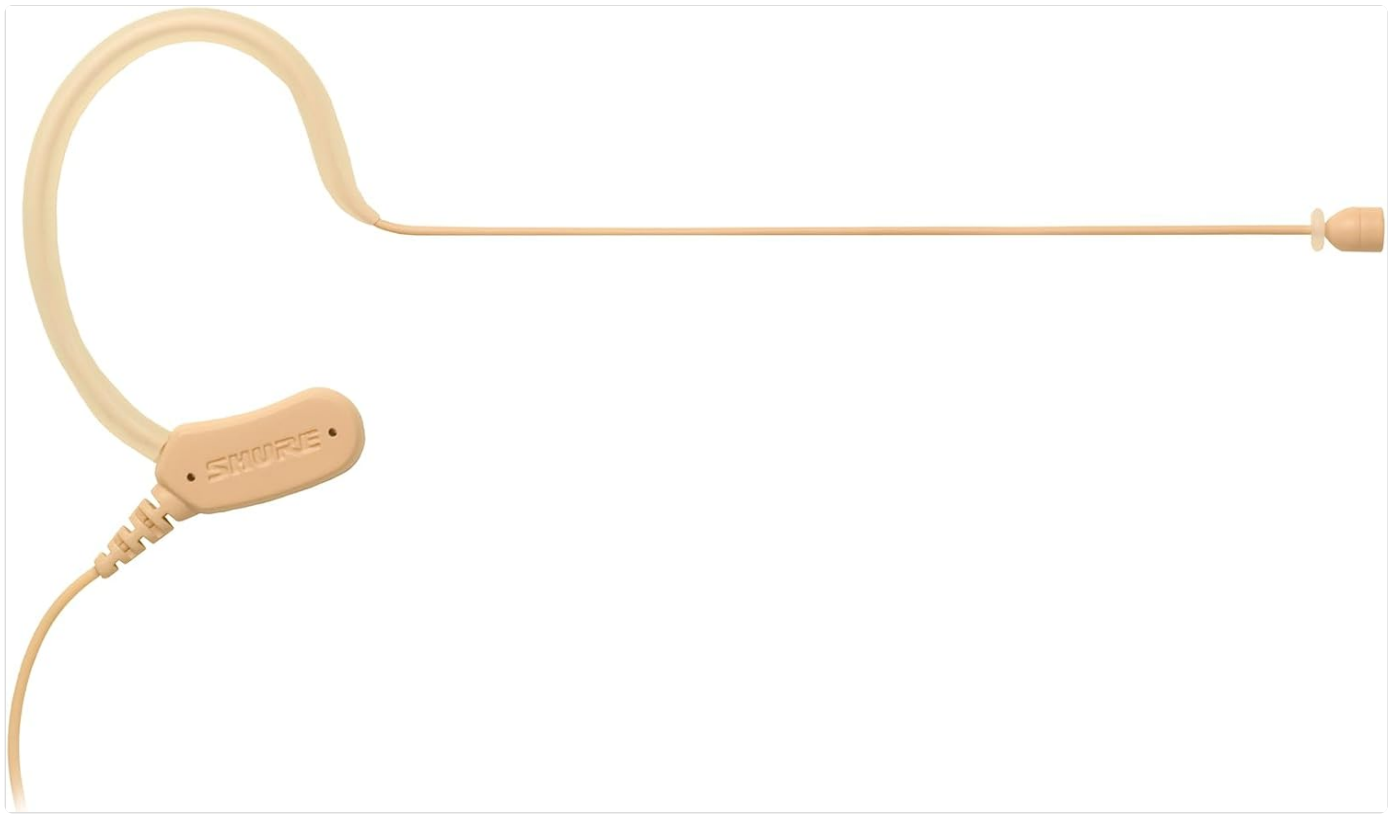


Image 1.1: The Shure Microflex MX153 earset microphone, showcasing its compact and discreet design.

2. PACKAGE CONTENTS

Upon unboxing your Shure Microflex MX153, please verify that all the following components are included:

- Shure Microflex MX153 Earset Microphone
- Protective Storage Pouch
- 3 Windscreens
- Collar Clip



Image 2.1: The MX153 microphone along with its protective storage pouch, windscreens, and collar clip.



Image 2.2: Close-up of the protective storage pouch, designed to keep the microphone and accessories safe.

3. SETUP AND CONNECTION

3.1 Wearing the Microphone

The MX153 is designed to be worn comfortably over either ear. Gently loop the earset frame over your ear, ensuring the microphone boom extends towards the corner of your mouth. Adjust the boom for optimal positioning, typically about 1-2 cm from the mouth, to capture clear audio while minimizing breath sounds.



Image 3.1: Illustration of proper earset microphone placement for optimal sound capture and comfort.

3.2 Connecting to a Wireless Bodypack Transmitter

The MX153 features a TQG / TA4F connector, specifically designed for direct compatibility with Shure wireless bodypack transmitters. Align the connector with the input port on your Shure bodypack and push firmly until it clicks into place. To disconnect, press the release button on the connector and pull it out.

3.3 Power Requirements

As a condenser microphone, the MX153 requires phantom power to operate. When connected to a Shure wireless bodypack, the bodypack typically supplies the necessary power. If connecting to a device other than a Shure wireless bodypack, ensure the device provides a regulated +5 V DC (130 μ A minimum) to the TQG connector for proper functionality.

3.4 Using the Collar Clip and Windscreens

- **Collar Clip:** Use the included collar clip to secure the microphone cable to your clothing, reducing cable noise and ensuring the cable remains tidy and out of the way during use.
- **Windscreens:** Attach one of the provided windscreens to the microphone capsule to reduce plosive sounds (e.g., "p" and "b" sounds) and minimize wind noise in outdoor or breezy environments.

4. OPERATING THE MICROPHONE

4.1 Optimal Microphone Placement

For the best audio quality, position the microphone capsule consistently near the corner of your mouth. Experiment with slight adjustments to find the sweet spot that captures your voice clearly without picking up excessive breath sounds or ambient noise. The omnidirectional polar pattern means it picks up sound equally from all directions, offering flexibility in placement but also requiring attention to background noise.

4.2 CommShield Technology

The MX153 incorporates CommShield Technology, which provides enhanced protection against interference from cellular RF devices and digital bodypack transmitters. This technology helps maintain a clean audio signal, even in environments

with high radio frequency activity.

4.3 Gain Adjustment

Adjust the gain settings on your connected wireless bodypack transmitter or audio mixer to achieve an appropriate signal level. Aim for a strong signal without clipping (distortion). Perform a sound check before any performance or presentation to ensure proper levels.

5. MAINTENANCE AND CARE

5.1 Cleaning

- Gently wipe the microphone body and cable with a soft, dry cloth.
- For stubborn dirt, a slightly damp cloth can be used, but ensure no moisture enters the microphone capsule or connector.
- Windscreens can be gently hand-washed with mild soap and water, then air-dried completely before reattaching.
- Do not use harsh chemicals, solvents, or abrasive cleaners.

5.2 Storage

Always store the MX153 in its protective storage pouch when not in use. This protects the delicate microphone capsule and cable from dust, dirt, and physical damage. Avoid tightly coiling the cable to prevent internal wire damage, especially near the earset where the cable bends.

5.3 Cable Care

While the cable is Kevlar-reinforced, repeated sharp bends or excessive pulling can still cause damage. Handle the cable gently, especially at connection points and where it bends around the earset frame. Avoid stepping on or rolling chairs over the cable.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Shure MX153 microphone.

Problem	Possible Cause	Solution
No Sound or Low Output	No phantom power. Incorrect connection to bodypack/device. Gain set too low. Damaged cable/microphone.	Ensure phantom power is supplied (e.g., bodypack is on and configured). Verify the TQG connector is fully seated and locked. Increase gain on the bodypack or mixer. Inspect cable for visible damage. If damaged, contact Shure support.
Static or Interference	RF interference from other devices. Loose connection. Damaged cable.	Ensure CommShield Technology is active (inherent to design). Check for other wireless devices operating on similar frequencies. Verify all connections are secure. Inspect cable for damage.

Problem	Possible Cause	Solution
Poor Sound Quality (Muffled, Distorted)	Incorrect microphone positioning. Gain set too high (clipping). Worn or dirty windscreen.	Adjust microphone position closer to the mouth, ensuring it's not obstructed. Reduce gain on the bodypack or mixer. Replace or clean the windscreen.
Microphone Feels Unstable on Ear	Improper fitting. Cable not secured.	Gently bend the earset frame to conform better to your ear shape. Use the included collar clip to secure the cable to your clothing, which can add stability.

7. SPECIFICATIONS

Specification	Detail
Model Name	MX153
Item Model Number	MX153T/O-TQG
Microphone Form Factor	Microphone Only (Headworn)
Polar Pattern	Omnidirectional
Connectivity Technology	TQG
Connector Type	TQG Connector (TA4F)
Frequency Response	20 Hz - 20 kHz
Signal-to-Noise Ratio	90 dB
Power Source	Phantom Power (+5 V DC, 130 µA minimum)
Item Weight	6.7 ounces (0.19 Kilograms)
Product Dimensions (L x W x H)	3 x 7.5 x 5.2 inches
Color	Tan
Material	Frame
Manufacturer	Shure
UPC	042406236140
First Available Date	April 11, 2012

8. WARRANTY AND SUPPORT

8.1 Warranty Information

For detailed warranty terms and conditions, please refer to the official Shure Warranty document. A PDF version of the warranty information is available for download:

[Download Warranty \(PDF\)](#)

Additionally, extended protection plans may be available for purchase. Please check with your retailer for options such as 3-Year or 4-Year Protection Plans.

8.2 Further Support

Should you require further assistance or have questions not covered in this manual, please utilize the following resources:

- **User Manual (PDF):** For a comprehensive guide, download the official user manual:[Download User Manual \(PDF\)](#)
- **User Guide (PDF):** An additional user guide is also available:[Download User Guide \(PDF\)](#)
- **Shure Official Store:** Visit the official Shure store for product information, FAQs, and contact details:[Shure Store on Amazon](#)

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question