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Sennheiser EW 100-ME2/835 G4 Wireless Microphone System User Manual

Model: EW 100-ME2/835 G4

1. OVERVIEW

The Sennheiser EW 100-ME2/835 G4 is a robust wireless microphone system designed for both vocal and lavalier applications. This combo set provides reliable audio transmission in the G frequency band (566 - 608 MHz), making it suitable for various professional audio environments.

Key Features:

- Rugged all-in-one wireless system for singers and presenters.
- Transmission range: up to 100 meters (300 feet).
- Easy and flexible wireless synchronization between transmitter and receiver via infrared.
- State-of-the-art live sound on a lightweight aluminum transmitter with integrated mute switch.
- Up to 20 compatible channels.

2. SETUP

This section guides you through the initial setup of your Sennheiser EW 100-ME2/835 G4 system.

2.1 Unpacking and Components

Carefully unpack all components and ensure the following items are present:

- SKM 100 G4-S handheld transmitter with e 835 mic capsule
- SK 100 G4 bodyspack transmitter
- ME 2-II lavalier microphone
- EM 100 G4 rackmount receiver
- GA3 rack kit
- RJ10 linking cable
- Microphone clip
- 2 AA batteries (included)

2.2 Battery Installation

Insert the supplied AA batteries into the SKM 100 G4-S handheld transmitter and the SK 100 G4 bodypack transmitter. Ensure correct polarity.

2.3 Connecting the Receiver

Connect the EM 100 G4 receiver to your audio mixer or amplifier using an XLR cable. Attach the antennas to the receiver's rear panel.



Image: Sennheiser EM 100 G4 rackmount receiver with antennas attached, showing the front panel display and control buttons.

2.4 Connecting Transmitters

For the lavalier microphone, connect the ME 2-II to the SK 100 G4 bodypack transmitter. For the handheld microphone, the e 835 capsule is already integrated with the SKM 100 G4-S transmitter.



Image: Sennheiser SK 100 G4 bodypack transmitter, showing the display, controls, and input for the lavalier microphone.



Image: Sennheiser SKM 100 G4-S handheld microphone with e 835 capsule, featuring a mute switch and Sennheiser branding.

2.5 Frequency Synchronization

Power on the receiver and the desired transmitter (either bodypack or handheld). Use the receiver's menu to scan for available frequencies. Once a clear frequency is found, use the infrared synchronization feature to pair the transmitter with the receiver. Refer to the receiver's display for instructions.



Image: Close-up of the Sennheiser EM 100 G4 receiver's display, showing frequency (548.100 MHz), signal strength, and battery indicator.

3. OPERATING

This section details the operation of your wireless microphone system.

3.1 Power On/Off

Press and hold the power button on both the receiver and the transmitter to turn them on or off. The receiver's display will illuminate upon power-up.

3.2 Mute Function

The SKM 100 G4-S handheld transmitter features an integrated mute switch. Press this switch to temporarily mute the microphone's audio output. The display on the transmitter will indicate when it is muted.

3.3 Adjusting Sensitivity (Gain)

Adjust the input sensitivity (gain) on the transmitters to prevent audio clipping and ensure optimal signal-to-noise ratio. Access this setting through the transmitter's menu. Start with a lower gain setting and increase it gradually until the audio level is sufficient without distortion.

3.4 Monitoring Battery Status

Both the receiver and transmitters feature battery indicators on their displays. Monitor these indicators regularly to ensure uninterrupted operation. Replace batteries when the indicator shows low power.

3.5 Video Guide: Sennheiser Evolution Wireless G4

Your browser does not support the video tag.

Video: An overview of the Sennheiser Evolution Wireless G4 system, demonstrating its features and applications in various professional settings. This video highlights the flexibility and reliability of the G4 series for sound engineers and performers.

4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your wireless system.

4.1 Cleaning

- Use a soft, dry cloth to clean the exterior surfaces of the receiver and transmitters.
- For microphones, gently wipe the grille and body. Avoid moisture near the microphone capsule.
- Do not use harsh chemicals or abrasive cleaners.

4.2 Battery Care

- Remove batteries from transmitters if the system will not be used for an extended period to prevent leakage.
- Use high-quality alkaline or rechargeable AA batteries.

4.3 Storage

Store the system in a dry, cool place, away from direct sunlight and extreme temperatures. Use the original packaging or a protective case for transport.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your Sennheiser EW 100-ME2/835 G4 system.

5.1 No Sound Output

- **Check Power:** Ensure both the receiver and transmitter are powered on and have sufficient battery life.
- **Check Connections:** Verify all audio cables are securely connected between the receiver and your audio system.
- **Check Mute:** Ensure the transmitter's mute function is not activated.
- **Check Frequency:** Confirm that the transmitter and receiver are tuned to the same frequency and that the frequency is clear of interference.
- **Check Gain:** Adjust the input sensitivity (gain) on the transmitter and the output level on the receiver.

5.2 Interference or Dropouts

- **Rescan Frequencies:** Perform a new frequency scan on the receiver to find a clear channel.
- **Antenna Placement:** Ensure receiver antennas are unobstructed and positioned for optimal line-of-sight with the

transmitters.

- **Distance:** Maintain an appropriate distance between the transmitter and receiver (within the specified range) and avoid placing them too close to other wireless devices or large metal objects.
- **External Sources:** Identify and eliminate potential sources of RF interference (e.g., Wi-Fi routers, other wireless systems, LED lighting).

5.3 Low Battery Indication

- Replace the AA batteries in the transmitter immediately.
- Consider using fresh, high-quality alkaline batteries or fully charged rechargeable batteries.

6. SPECIFICATIONS

Detailed technical specifications for the Sennheiser EW 100-ME2/835 G4 system.

Model Name	ew 100 G4-ME2/835-S-G
Item Model Number	509726
Frequency Range	G Band (566 - 608 MHz)
Microphone Form Factor	Handheld, Lavalier
Microphone Capsule (Handheld)	e 835 (cardioid, dynamic)
Lavalier Microphone	ME 2-II (omnidirectional, condenser)
Number of Channels	Up to 20 compatible channels
Transmission Range	Up to 100 meters (300 feet)
Signal-to-Noise Ratio	110 dB
Power Source	Battery Powered (2 AA batteries required, included)
Material	Aluminum
Item Weight	1 pound
Product Dimensions (L x W x H)	15.9 x 13.78 x 2.87 inches
Connectivity Technology	XLR
Polar Pattern	Omnidirectional (Lavalier), Unidirectional (Handheld)

7. WARRANTY INFORMATION

Sennheiser products typically come with a manufacturer's warranty. For specific details regarding the warranty period and terms for your EW 100-ME2/835 G4 system, please refer to the warranty card included with your product or visit the official Sennheiser website. Keep your proof of purchase for warranty claims.

8. SUPPORT

For further assistance, technical support, or to download the full user manual, please visit the official Sennheiser support website. You can also find FAQs and contact information for customer service there.

Official Sennheiser Website: www.sennheiser.com