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**AKG 3347X00070**

# AKG WMS40 Mini Vocal Set BD US45B Wireless Microphone System

INSTRUCTION MANUAL

## 1. Introduction

The AKG WMS40 Mini Vocal Set BD US45B is a compact, plug-and-play wireless microphone system designed for clear audio transmission in various settings such as houses of worship, hotels, gyms, and band applications. This system provides reliable wireless performance with easy setup and extended battery life, ensuring high-quality sound for vocal performances and presentations.

## 2. Package Contents

Before proceeding with setup, please verify that all components are present in the package:

- 1 x SR40 Mini Receiver
- 1 x HT40 Mini Handheld Transmitter
- 1 x Universal Power Supply (with US/UK/EU adapters)
- 1 x AA Size Battery

**Note:** The operating frequency for this system is 661.100 MHz.

## 3. Components Overview

Familiarize yourself with the main components of your AKG WMS40 Mini Wireless Microphone System.

### SR40 Mini Receiver and HT40 Mini Handheld Transmitter (Front View)




This image displays the front panel of the SR40 Mini Receiver, showing the power button, RF OK indicator, AF CLIP indicator, volume control knob, and antenna. Beside it is the HT40 Mini Handheld Transmitter, illustrating its general appearance.

### SR40 Mini Receiver (Rear View)




This image shows the rear panel of the SR40 Mini Receiver, featuring the DC power input, 1/4" balanced audio output, and a label indicating the model (SR 40 S US 45 B) and operating frequency (661.100 MHz).

### HT40 Mini Handheld Transmitter

The HT40 Mini Handheld Transmitter is equipped with a dynamic cardioid capsule, designed to minimize feedback. It operates on a single AA battery, providing approximately 30 hours of continuous use. Refer to the first image for a visual representation of the transmitter.

## 4. Setup Instructions

Follow these steps to set up your wireless microphone system:

1. **Unpacking:** Carefully remove all components from the packaging.
2. **Receiver Placement:** Position the SR40 Mini Receiver in a stable location, away from potential interference sources such as other wireless devices, large metal objects, or strong electromagnetic fields. Ensure the antenna is extended and positioned vertically for optimal signal reception.
3. **Power Connection:** Connect the universal power supply to the DC 12V 300mA input on the rear of the SR40 Mini Receiver. Plug the power supply into an appropriate electrical outlet.
4. **Audio Output Connection:** Connect the 1/4" balanced audio output of the SR40 Mini Receiver to an available input on your mixer, amplifier, or other audio equipment using a compatible 1/4" jack cable (not included).
5. **Transmitter Battery Installation:** Unscrew the bottom part of the HT40 Mini Handheld Transmitter to access the

battery compartment. Insert the provided AA battery, ensuring correct polarity (+/-) as indicated inside the compartment. Securely close the battery compartment.

6. **Power On:** Turn on the SR40 Mini Receiver using the ON/OFF button. The RF OK indicator on the receiver should illuminate. Next, turn on the HT40 Mini Handheld Transmitter. The RF OK indicator on the receiver should light up steadily, confirming a successful wireless connection between the transmitter and receiver.

## 5. Operating Instructions

Once the system is set up, follow these guidelines for optimal operation:

1. **Volume Adjustment:** Begin with the volume knob on the SR40 Mini Receiver set to a low level. Gradually increase the volume to an appropriate listening level. Further fine-tuning can be done on your connected mixer or amplifier.
2. **Microphone Usage:** For optimal vocal pickup and sound quality, hold the HT40 Mini Handheld Transmitter approximately 2-6 inches (5-15 cm) from your mouth. Avoid covering the microphone grille with your hand, as this can affect sound quality and potentially cause feedback.
3. **Monitoring Audio Levels:** Observe the AF CLIP indicator on the receiver. If it flashes frequently or stays lit, it indicates that the audio input level is too high, which can lead to distortion. Reduce the volume on the transmitter (if applicable) or adjust the gain/trim on your mixer to prevent clipping.
4. **Battery Life:** The HT40 Mini Handheld Transmitter provides approximately 30 hours of continuous operation on a single AA battery. Replace the battery when the transmitter's indicator light dims or if you notice a degradation in audio quality or signal strength.
5. **Power Off:** After each use, turn off both the HT40 Mini Handheld Transmitter and the SR40 Mini Receiver to conserve battery life and power.

## 6. Maintenance

To ensure the longevity and optimal performance of your AKG WMS40 Mini Wireless Microphone System, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior surfaces of the receiver and transmitter. Do not use liquid cleaners, solvents, or abrasive materials, as these can damage the finish or internal components.
- **Battery Replacement:** Always replace the AA battery in the HT40 Mini Transmitter with a fresh, high-quality alkaline battery when needed. Remove the battery if the system will not be used for an extended period to prevent potential leakage and damage.
- **Storage:** Store the system in a cool, dry place, away from direct sunlight, extreme temperatures, and high humidity. Keep it in its original packaging or a protective case when not in use.
- **Antenna Care:** Handle the receiver's antenna with care to prevent bending or damage. Ensure it is fully extended during operation for best performance.

Do not attempt to service the unit yourself. Refer all servicing to qualified service personnel.

## 7. Troubleshooting

If you encounter issues with your wireless microphone system, consult the table below for common problems and solutions:

| Problem | Possible Cause | Solution |
| --- | --- | --- |

| Problem | Possible Cause | Solution |
|---|---|---|
| No Sound | Receiver not powered on | Ensure the power supply is connected and the receiver is turned on. |
| No Sound | Transmitter not powered on or low battery | Turn on the transmitter. Replace the AA battery if necessary. |
| No Sound | No wireless link established | Ensure both receiver and transmitter are on and within range. Check the RF OK indicator on the receiver. |
| No Sound | Audio cable disconnected | Verify the 1/4" audio cable is securely connected from the receiver to your audio equipment. |
| Distorted Sound (AF CLIP indicator flashing) | Input level too high | Reduce the volume on the receiver or the gain on your mixer/amplifier. Speak further from the microphone. |
| Interference/Dropouts | Out of range | Move the transmitter closer to the receiver. |
| Interference/Dropouts | Obstructions | Ensure a clear line of sight between the transmitter and receiver. Avoid placing the receiver near large metal objects or other wireless devices. |
| Interference/Dropouts | External RF interference | While the frequency is fixed, try repositioning the receiver or other interfering devices to minimize interference. |
| Handling Noise | Improper microphone handling | Hold the microphone firmly but avoid excessive movement or rubbing of hands on the casing. |

## 8. Specifications

Key technical specifications for the AKG WMS40 Mini Vocal Set BD US45B:

| | |
|---|---|
| **Model Number** | 3347X00070 |
| **Operating Frequency** | 661.100 MHz |
| **Transmitter Battery Life** | Approx. 30 hours (with 1x AA battery) |
| **Receiver Output Connector** | 1/4" Jack (Balanced) |
| **Receiver Power Supply** | DC 12V 300mA (Universal power supply included) |
| **Item Weight (System)** | 2.31 pounds |
| **Product Dimensions (Receiver)** | 10 x 7.9 x 2.3 inches |
| **Color** | Black |
| **Material Type** | Crystal (referring to internal components) |

## 9. Warranty and Support

For detailed warranty information, technical support, or service inquiries, please refer to the documentation included with your product at the time of purchase. You may also visit the official AKG website for the most up-to-date support resources and contact information. Please retain your proof of purchase for any warranty claims.


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