



H A Harman International Company

WMS 40 UHF

Wireless Microphone System

Description

The WMS 40 is an entry-level wireless system for applications requiring quality audio on a limited budget. It is ideal for small stages, clubs, houses of worship and hotels. The system operates in the UHF (ultra high frequency) range and uses advanced circuitry and SAW (Surface Acoustic Wave) filtering for trouble-free operation under difficult operating conditions. Up to four channels may be used simultaneously.

The utter simplicity of the system and its preset operating frequencies allow the user to “plug and play” the system immediately. Both types of transmitters are advanced low-current design, providing more than 30 hours of operation on a single set of AA-size 1.5 volt batteries.

The SR40 receiver may be rack-mounted with the optional RMU60 kit. Indicators on the SR 40 include RF status, power and mute status. A squelch control ensures noise-free reception. A front panel output level control varies the output signal from microphone to line level; both professional XLR and unbalanced 1/4-inch jacks are provided. Front panel indicators show RF status, power, and mute status.

The HT40 handheld transmitter uses the AKG D 880 microphone element, which provides wide range, linear response for all applications. Transmission operates in your choice of four frequencies, US54 at 710.400 mHz, US59 at 734.600 mHz, KR3 at 745.650 mHz and KR4 at 750.900 mHz. The transmitter provides ON/MUTE/OFF switching and battery status indication.

The PT 40 bodypack is made of rugged plastic and can be used with a wide variety of microphone models. All models in the AKG MicroMic III Series can be used with the PT 40, along with direct instrument pickup via the MK/GL instrument cable. The PT 40 has the same frequency assignments, operating controls and features as found on the HT 40.



Features

- 30 hours minimum battery life
- SAW (Surface Acoustic Wave) narrow band filters for interference-free operation
- Adjustable squelch control for noise-free operation
- Full metering for easy status monitoring
- Optional rack-mount kit for easy installation

Specifications

Carrier frequencies: UHF-US54 - 710.400 mHz
US59 - 734.600 mHz
KR3 - 745.650 mHz
KR4 - 750.900 mHz

Modulation method: FM

Audio bandwidth: 40 Hz to 20 kHz

THD: typical 0.8%

Signal/noise ratio: typical 108 dB(A)

Handheld transmitter:
RF output: 10 mW (ERP)

Battery life: >30 hours
(2 x 1.5 V AA size batteries)

Size: 10.1 x 1.6 in. (258 x 40 dia mm)

Weight: 8.7 oz. (245 g)

Bodypack transmitter:
RF output: 10 mW (ERP)

Battery life: >30 hours
(2 x 1.5 V AA size batteries)

Size: 3.8 x 2.5 x 0.9 in. (96 x 64 x 22 mm)

Weight: 2.7 oz. (76 g)

Receiver:
Audio outputs: Balanced XLR and unbalanced
1/4" jack; level adjustable from mic
to line; 2 Vrms maximum

Size: 9.3 x 5.6 x 1.7 in.
(235 x 142 x 43 mm)

Weight: 16.6 oz. (470 g)

Optional Accessories: RMU 60 Rack mount kit
CH 40 Carrying case
MK/GL Instrument cable
CB 40 Carrying bag for
PT 40 (black or gray)

Microphones available for the PT 40:
C 407/L: Omni-directional lavalier
C 444L: Cardioid headset microphone

Microphones available for the PT 40:
C 411/L: Acoustic vibration microphone
C 419/L: Hypercardioid clip-on instrument microphone
C 420/L: Professional cardioid headset microphone
CK 55 L: Cardioid lavalier microphone
CK 77 WR-L: Water resistant omnidirectional lavalier microphone
C 477 WR-L: Headset version of CK 77 WR-L
CK 97 C/L: Cardioid lavalier microphone

Architects and Engineers Specifications

The wireless microphone system shall provide at least four channels of operation in the UHF frequencies US54 at 710.400 mHz and US59 at 734.600 mHz, KR3 at 745.650 mHz and KR4 at 750.900 mHz. Transmitter power shall not exceed 10 mW, effective radiated power. Both handheld and bodypack transmitters shall be provided. The system shall operate with a companding system resulting in an A-weighted system dynamic range no less than 108 dB(A). Both handheld and bodypack transmitters shall be capable of continuous operation no less than 30 hours with a single pair of AA 1.5 volt batteries.

The transmitters shall provide the following functions: ON/MUTE/OFF switch and battery status indicator. The handheld transmitter shall have a maximum diameter no greater than 40 mm and a length no greater than 258 mm. The handheld transmitter shall have a net weight no greater than 245 grams.

The bodypack transmitter shall be constructed of rugged

plastic and have the following functions: ON/MUTE/OFF switch and battery status indicator. There shall be a mini XLR input jack for microphones and instrument outputs. The bodypack transmitter shall have a maximum dimension no greater than 96 mm, and the net weight of the bodypack transmitter shall be no greater than 76 grams.

The receiver shall be rack mountable using the accessory mounting kit (RMU60). Total harmonic distortion at full output shall be no greater than 0.8%. The receiver shall have an adjustable squelch control and a front panel output level control, continuously variable from microphone to line level. Indicators shall include RF status, power, and mute status. Both output XLR balanced and 1/4 inch unbalanced jacks shall be provided. The wireless microphone system shall be the AKG Acoustics Model WMS 40.

Limited Warranty

Valid only in the United States. AKG Acoustics warrants AKG products against defects in material or workmanship for a period of two years from the date of original purchase for use, and agrees to repair or, at our option, replace any defective unit without charge for either parts or labor. Important: This warranty does not cover damage resulting from accident, misuse or abuse, lack of reasonable care, the affixing of any attachment not provided with the product, loss of parts or connecting the product to any but the specified receptacles. This warranty is void unless service or repairs are performed by an authorized service center. No responsibility is assumed for any special, incidental

or consequential damages. However, the limitation of any right or remedy shall not be effective where such is prohibited or restricted by law. Simply take or ship your AKG product prepaid to our service department. Be sure to include your sales slip as proof of purchase date. (We will not repair transit damage under the no-charge terms of this warranty.) Note: No other warranty, written or oral is authorized by AKG Acoustics, Inc. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitation on how long an implied warranty lasts, so the above exclusions and limitation may not apply to you.

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