

WMS4500

REFERENCE
WIRELESS MICROPHONE SYSTEM

AKG
by HARMAN



STRESS FREE

The WMS4500 analog reference wireless microphone system provides highest channel quantity, maximum reliability and easy setup. Combining several frequency bands allows to operate up to 70 channels simultaneously providing an enormous headroom of security for channel management. In combination with the outstanding audio quality WMS4500 gained worldwide recognition as a reliable workhorse in huge installations and on tour. An optional network remote control allows frequency coordination and monitoring of multi-channel systems via PC software System Architect™, Apple iPhone/iPad/iPod® or via Soundcraft Vi consoles. For easy configuration of customized systems, all system components are available individually.

HIGHLIGHTS

- » Auto Setup, Environment Scan, and Rehearsal functions for quick and easy setup
- » HiQnet network remote control and monitoring from PC via Harman System Architect™ software, Apple iPhone/iPad/iPod® or Soundcraft Vi consoles
- » Up to 70 simultaneous channels for safe channel management in huge productions
- » Supreme audio quality for highly demanding vocals, guitar and e-bass
- » Pilot Tone transmission for transmitter battery status monitoring and tone code squelch

SR4500

REFERENCE WIRELESS STATIONARY RECEIVER



The SR4500 analog true diversity reference wireless receiver provides maximum ease of use with an automatic setup function and scan of the radio frequency environment. The rehearsal mode supports the engineer during sound check with information on the systems signal quality. The programmable status monitor shows all relevant system information on an illuminated multicolor LED ring. Its precise battery life readout in hours is a valuable advantage in wireless applications. A wide range of professional antenna splitters, power supplies and high-quality remote antennas is available to set up a reliable wireless system, even in a large area.

HIGHLIGHTS

- » True diversity receiver with all-metal case
- » Available in eight UHF bands 30MHz wide each, with up to 1,200 selectable frequencies
- » Using several frequency bands allows up to 70 channels to be operated simultaneously
- » Transmitter battery status monitoring and tone code squelch
- » Auto Setup, Environment Scan, and rehearsal functions for quick and easy setup
- » Backlit, programmable color display and jog wheel with selectable warning signal for ease of use
- » Output for controlling external devices
- » Integrated data interface for controlling and monitoring from PC via System Architect™.

KEY SPECIFICATIONS

RF carrier frequency ranges	500-530, 570-600, 650-680, 680-710, 720-750, 760-790, 790-820 MHz
Modulation	FM
Audio bandwidth	35 to 20,000 Hz
THD	<0.3% typical
Signal/noise ratio	>120 dB(A) typical
Audio outputs	balanced 3-pin XLR (Output level adjustable to -30, 0, +6 dB) unbalanced TS ¼" jack
RF radiation	50 mW max. (ERP)
Power supply	12V 500mA (all connectors included)
Finish	black
Dimensions	200x44x190 mm (7.8x1.7x7.4 in.)
Net weight	125 g (11.3 oz.)
Included accessories	Rack mounting kit, 2 UHF antennas

Item Number SR4500 3200H00xx0

PT4500

REFERENCE WIRELESS BODYPACK TRANSMITTER



The PT4500 is an analog reference wireless body-pack transmitter with supreme wireless audio quality for instrumental and vocal use. The pilot tone prevents unexpected system startup noise, continuously sending transmitter data, including mute switch position and remaining battery life, to the receiver. An optional RMS4000 external mute switch allows the user to mute the transmitter remotely. WMS4500 transmitters offer an unmatched battery life of 15 hours with two standard AA-size alkaline batteries. With the integrated charging contacts, the optional BP4000 battery-pack can be charged inside the transmitter.

HIGHLIGHTS

- » **Supreme audio quality provides best sound for guitar, electric bass and highly demanding vocals**
- » **Up to 50mW transmission power for maximum radio signal strength for long-distance applications**
- » **15 hour battery life with two standard AA-size alkaline batteries**
- » **Real-time display of the remaining operating time (battery lifetime) in hours**
- » **Integrated charging contacts for quick charging of BP4000 battery-packs inside the transmitter**

KEY SPECIFICATIONS

RF carrier frequency ranges	500-530, 570-600, 650-680, 680-710, 720-750, 760-790, 790-820 MHz
Modulation	FM
Audio bandwidth	35 to 20,000 Hz
THD	<0.3% typical
Signal/noise ratio	>120 dB(A) typical
RF radiation	50 mW max. (ERP)
Battery life	2 AA size dry batteries: 15 hours typ BP4000: 12 hours typ.
Finish	black
Dimensions	70 x 91 x 25 mm (2.8 x 3.5 x 1 in)
Net weight	95 g (3.4 oz.)
Included accessories	2 AA size dry batteries, belt clip
Optional accessories	Wide range of lavalier microphones Remote mute switch RMS4000
Item Number	PT4500 3202H00xx0

HT4500

REFERENCE WIRELESS HANDHELD TRANSMITTER



The HT4500 is an analog reference wireless handheld transmitter that connects to a choice of four different microphones to cover a wide range of applications. The unique dipole-antenna design ensures reliable transmission even when one pole of the antenna is covered completely by the user's hand. The pilot tone continuously sends transmitter data, including mute switch position and remaining battery life to the receiver. The HT4500 offers an extended battery lifetime of 15 hours with two standard AA alkaline batteries. With integrated charging contacts, the optional BP4000 battery pack can be charged inside the transmitter. The readout of its exact battery life in hours is a valuable advantage in wireless applications.

HIGHLIGHTS

- » **A variety of interchangeable dynamic and condenser vocal microphones microphone available**
- » **Leading-edge dipole-antenna technology for optimum performance even when the antenna is covered**
- » **Up to 50mW transmission power for maximum radio signal strength for long-distance applications**
- » **15 hours of battery life with two standard AA alkaline batteries**
- » **Real-time display of the remaining operating time (battery lifetime) in hours**
- » **Integrated charging contacts for quick charging of BP4000 battery-packs inside the transmitter**


KEY SPECIFICATIONS

RF carrier frequency ranges	500-530, 570-600, 650-680, 680-710, 720-750, 760-790, 790-820 MHz
Modulation	FM
Audio bandwidth	35 to 20,000 Hz
THD	<0.3% typical
Signal/noise ratio	>120 dB(A) typical
RF radiation	50 mW max. (ERP)
Battery life	2 AA size dry batteries: 15 hours typ BP4000: 12 hours typ.
Finish	black
Dimensions	length: 239 mm (9.4 in.); diameter: approx. 39 mm (1.5 in.)
Net weight	125 g (11.3 oz.)
Included accessories	2 AA size dry batteries, SA63 stand adapter
Optional accessories	Microphone heads: D5 WL1, D7-WL1, C5 WL1, C535 WL1 Windscreen with color strips: W3004
Item Number	HT4500 3201H00xx0

MICROPHONES

HT4500 MICROPHONE HEADS



HT4500 MICROPHONE HEADS	
D5 WL1: 	PROFESSIONAL DYNAMIC MICROPHONE HEAD The D5 premium dynamic vocal microphone for lead and backing vocals delivers a powerful sound even on the noisiest stage. Its frequency independent supercardioid polar pattern ensures maximum gain before feedback. Item Number: 3082X00010
D7 WL1: 	REFERENCE DYNAMIC MICROPHONE HEAD The D7 reference dynamic vocal microphone creates the subtle and opened sound of a condenser capsule with the powerful resonance of a dynamic microphone. The patented dual layer Varimotion™ diaphragms can vibrate unhindered which results in an extraordinary crisp and clean sound. Item Number: 3082X00030
C5 WL1: 	PROFESSIONAL CONDENSER MICROPHONE HEAD With the C5 professional condenser vocal microphone your voice will cut through the loudest mix – on any stage. Its cardioid polar pattern ensures maximum gain before feedback and has been optimized for use with in-ear monitor systems. Item Number: 3082X00020
C535 WL1: 	REFERENCE CONDENSER MICROPHONE HEAD The C535 reference handheld condenser vocal microphone is a classic legendary microphone that we did “our way”. It provides the ultimate combination of excellent, highly detailed audio and exceptional ruggedness. Item Number: 2782Z00150


ACCESSORIES

PASSIVE ANTENNAS	
<p>HELICAL:</p> 	<p>PASSIVE CIRCULARLY POLARIZED DIRECTIONAL ANTENNA for use with short cable runs (<10m). 9 dB antenna gain</p> <p>Item Number: 3009H00210</p>
<p>SRA2 W:</p> 	<p>PASSIVE DIRECTIONAL ANTENNA for use with short cable runs (<10m). 4.5 to 6 dB antenna gain</p> <p>Item Number: 3009Z00150</p>
<p>RA4000 W:</p> 	<p>PASSIVE OMNIDIRECTIONAL ANTENNA for use with short cable runs (<10 m). 1 dB antenna gain</p> <p>Item Number: 2632Z00310</p>
<p>FLOORPAD:</p> 	<p>PASSIVE FLOOROMNI ANTENNA Near field antenna for use with short cable runs (<10 m). -1 dB antenna gain</p> <p>Item Number: 3009H00220</p>
ACTIVE ANTENNAS	
<p>SRA 2 B/W:</p> 	<p>ACTIVE DIRECTIONAL ANTENNA with integrated high performance booster for use with long cable runs. 4.5 to 6 dB antenna gain + 17 dB booster gain</p> <p>Item Number: 3009Z00160</p>
<p>RA4000 B/W:</p> 	<p>ACTIVE OMNIDIRECTIONAL ANTENNA with integrated high performance booster for use with long cable runs. 1 dB antenna gain + 17 dB booster gain</p> <p>Item Number: 2632Z00320</p>

ACCESSORIES



ETHERNET INTERFACE FOR SYSTEM ARCHITECT

<p>HUB4000Q:</p> 	<p>The HUB4000 Q reference HiQnet® Ethernet interface allows you to connect up to eight AKG wireless devices to a HiQnet network. HUB4000 Q connects to the network via a standard CAT-5 cable. For large wireless systems, several HUB4000 Qs can be cascaded using commercial Ethernet switches (or routers, wireless hubs, etc.), allowing you to configure and monitor complex systems from a single application. HUB4000 Q connects the wireless system to the applications Harman System Architect™, AKG Wireless app and VM2.</p> <p>Item Number: 2999Z00140</p>
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ANTENNA COMPONENTS

<p>PS4000 W:</p> 	<p>1 INTO 4 POWER SPLITTER</p> <p>Antenna distributor to feed up to 5 receiver with the radio signal of a pair of antennas. To feed more than 5 receivers the PS4000 W provide a link output to cascade up to 3 PS4000 W.</p> <p>Item Number: 2996Z00100</p>
<p>PSU4000:</p> 	<p>POWER SUPPLY UNIT</p> <p>Three high current 12V DC outputs feed the power to 3 PS4000 W antenna distributors. Via PS4000 W 12 receiver and up to 8 active antenna components (SRA2 B/W, RA4000 B/W, AB4000) get the power through the antenna cable.</p> <p>Item Number: 2997Z000x0</p>
<p>AB4000:</p> 	<p>ANTENNA BOOSTER</p> <p>High performance antenna booster for inserting into long antenna cables. One AB4000 can compensate for approx. 17 dB of cable attenuation. Up to three boosters can be used in series for extremely long cable runs.</p> <p>Item Number: 3009Z00020</p>
<p>ASU4000:</p> 	<p>ANTENNA SUPPLY UNIT</p> <p>Remote power supply for small systems where no PS4000 W is in use to provide the necessary power for the active antennas.</p> <p>Item Number: 3009Z00100</p>
<p>ZAPD-21:</p> 	<p>2 INTO 1 ANTENNA SPLITTER/COMBINER</p> <p>Passive splitter/combiner for indoor and outdoor use. Can be used either to split signals or combine them as needed.</p> <p>Item Number: SERVSON760</p>
<p>CU4000:</p> 	<p>CHARGING UNIT</p> <p>The BP4000 and CU4000 represent a premium charging system for the transmitters of the WMS4500 wireless microphone system as well as for the body-pack receivers of the IVM4500 IEM in-ear monitoring and PR4500 ENG system.</p> <p>Item Number: 2887X01060</p>

WMS4500 SETS

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WMS4500 D7 Set	WMS4500 Instrumental Set	WMS4500 CK77 Set	WMS4500 HC577 Set	WMS4500 CM311 Set (US only)
<ul style="list-style-type: none"> • SR4500 receiver • HT450 handheld transmitter • D5 WL1 microphone head • Stand adaptor • 19" rack mount kit • LR6 batteries • whip antennas 	<ul style="list-style-type: none"> • SR4500 receiver • PT4500 bodypack transmitter • MKGL instrument cable • Belt clip • 19" rack mount kit • LR6 batteries • whip antennas 	<ul style="list-style-type: none"> • SR4500 receiver • PT4500 bodypack transmitter • CK77 WR-L lavalier microphone • Belt clip • 19" rack mount kit • LR6 batteries • whip antennas 	<ul style="list-style-type: none"> • SR4500 receiver • PT4500 bodypack transmitter • HC577 L headworn microphone • Belt clip • 19" rack mount kit • LR6 batteries • whip antennas 	<ul style="list-style-type: none"> • SR4500 receiver • PT4500 bodypack transmitter • CM311 L headworn microphone • Belt clip • 19" rack mount kit • LR6 batteries • whip antennas
Item Number: 3205X00xx0	Item Number: 3207H00xx0	Item Number: 3208X00xx0	Item Number: 3204X00xx0	Item Number: 3206H00xx0



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