WMS 400 State of the art Wireless Microphone Systems

The AKG WMS 400 wireless microphone system is your best choice for any application calling for a solution that is more flexible than a simple plug-and-play system yet easy to set up and operate.

The WMS 400 provides cost-efficient, high-performance solutions for situations where several radio mics will be used simultaneously. Using several single-channel systems has its limitations and may simply be too much for the available radio band.

Based on the technology of and user input on the revolutionary WMS 4000 wireless system, the SR 400 provides a number of features that make setting up and operating a wireless system as easy as never before. Up to 12 channels can be used simultaneously within the same subband and even large systems will work smoothly in environments hostile to RF transmission.

The WMS 400 makes setting up a professional wireless system of this class easier than ever before. In Auto Setup mode, the receiver will scan the available bands, find an interference- free channel, and transmit the related frequency data to the assigned transmitter via infrared. This technique significantly reduces the time it takes to set up a multichannel system. A Rehearsal function identifying dead spots, a programmable display clearly indicating all important system parameters, two-color display backlighting warning the user of critical conditions from a distance, and a transmitter battery status display on the receiver enhance reliability and add to ease of use.

Being compatible with professional WMS 4000 antenna splitters, power supplies, and high quality antennas, the WMS 400 enables you to set up highly complex wireless systems.

The HT 400 handheld and PT 400 bodypack are high-performance, compact transmitters for a host of wireless applications.

Many innovative features enhance both system reliability and user friendliness. The LC display indicates all important system data at a glance, including the frequency you selected from the

factory presets (country, group, channel), transmitter battery capacity, a warning when battery capacity is low, as well as the current transmission mode.

Once you have set a frequency on the receiver, an infrared transmission link will feed the related data to the assigned transmitter within seconds, making the setting up of large multichannel systems child's play. The HT 400 handheld transmitter is available with a dynamic or a condenser microphone element.

Any wireless microphone system depends on sufficiently charged batteries in all the transmitters.

There is nothing more embarrassing than a transmitter running out of juice in the middle of the show, or a voice fading as the transmitter battery dies. The CU 400 puts an end to this kind of hassle. It can charge two batteries simultaneously to full capacity within one hour, and there is no risk of overcharging the batteries.

Transmitter/receiver

The situation with a transmitter and a receiver can be compared to the transmission of a signal between a radio station and a radio set. When we encounter problems with reception, we will either reposition the antenna, or look for the station on another frequency. The WMS 400 allows 12 channels to be used simultaneously and provides 1200 selectable frequencies for reliable transmission.

System Configuration Options

The WMS400 is available in Body Pack, for lapel, head mic and guitar applications, and Hand Held versions. Both have a number of microphone options.

The systems we usually sell are the:

- WMS400PT Body Pack system with the CK77WRL lapel mic
- WMS400PT Body Pack system with the C1000T head mic
- WMS400HT Hand Held system with the C900 microphone head

Although we do offer lower cost microphones, the above configurations provide you with the very best sound quality and performance while being the least conspicuous.

SR 400 Specifications

Carrier frequency range	650 to 680, 680 to 710, 720 to 750, 760 to 790, 790 to 820, 835 to 863 MHz
Modulation	FM
Audio bandwidth	**35 to 20,000 Hz**
THD	<0.3% (at 1 kHz)
Signal/noise ratio	120 dB(A)
Audio outputs	balanced XLR and unbalanced TS 1/4" jack, balanced level switchable to –30 or 0 dBm
Dimensions	approx. 200 x 44 x 190 mm (7.8 x 1.7 x 7.4 in.)
Net weight	972 g (2.2 lbs.)

PT 400 / HT 400 Specifications

Carrier frequency range	650 to 680, 680 to 710, 720 to 750, 760 to 790, 790 to 820, 835 to 863 MHz
Modulation	FM
Audio bandwidth	35 to 20,000 Hz
Selectable channels	1200
Max. channels for multichannel operation	> 50
THD	<0.7% typical at rated deviation/1 kHz
Signal/noise ratio	120 dB(A) typical
RF output	50 mW max. (ERP)
Battery life	1.5 V AA size dry battery: 6 hours; 1.2 V NiMH, 2100 mAh AA size rechargeable battery: 8 hrs.
Dimensions	PT 400 : 60 x 73,5 x 30 mm (2.4 x 2.9 x 1.2 in.) HT 400: 229 x 52.5 mm max. dia. (9 x 2 in.)
Net weight	PT 400: 90 g (3.2 oz.) HT 400: 220 g (7.8 oz.)