

WF-U2300HP

# UHF TRUE DIVERSITY DUAL WIRELESS MICROPHONE SYSTEM

WF-U2300 is a dual UHF True Diversity professional wireless microphone with 300 channels for each microphone, and a simple and intuitive user interface. "True Diversity" means that the receiving system is equipped with two antennas, two receiving circuits and a device capable of continuously choose the stronger and interference-free signal. This technology is used for both single systems (WF-U1300) or dual systems (WF-U2300). The WF-U2300 is built with leading technology that allows the integration of many of the major functions - such as amplification section, digital signal processing, PLL (Phase-Locked Loop) frequency synthesis, and more - into a single CHIP. This allows us to offer highly professional performance yet cost-effective products. The WF-U2300 is also equipped with the automatic frequency search system and IR sync system for channel synchronization between receiver and transmitter in a quick way. Furthermore, the Digital Pilot Technology not only allows to monitor reception level and battery charge, but even to operate with multiple systems without problems. Finally, there are two optional kit for rack mounting of 1 or 2 receivers, respectively, on 1 or 2 standard 19" rack units.



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## PRODUCT DETAILS

### KEY FEATURES

UHF True Diversity Technology to Avert Interferences

300 Preset Frequencies for each microphone, and IR Matching System for Quick Setup

823-832 MHz UHF Band

Simple and Outright User Interface with LCD display on Transmitter and Receiver

Digital Pilot Technology to allow multi system Operation

Transmitter AF-level and Battery-Low Monitoring directly on the Receiver

80 m Ideal Distance (without obstacles)

Professional Hand held Microphone with Dynamic Cardioid Capsule

Body-pack with Connector Locking System

Professional and Lightweight Headset with High-Sensibility Condenser Cardioid Capsule

Rack-Mount Kit for 1 or 2 receiver units to 1x or 2x 19" rack unit (optional)

### SPECIFICATIONS

<b>Carrier Frequency</b>	UHF823-832 MHz
<b>Frequency Stabilization</b>	< $\pm 30$ ppm
<b>Dynamic Range</b>	>90 dB
<b>Total Harmonic Distortion</b>	<0.5%
<b>Frequency Response</b>	40 Hz-15kHz $\pm 3$ dB
<b>Audio Output Level</b>	Balanced 400 mV; Unbalanced 400 mV

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<b>Packing Dimensions (WxHxD)</b>	435x104x321 mm
<b>Packing Gross Weight</b>	2.5 kg
<b>Receiver Power Supply</b>	DC 12V/500 mA
<b>Receiver Consume Power</b>	7 W
<b>Signal/Noise Ratio</b>	>90 dB
<b>Receiving Sensitivity</b>	5 dBuV
<b>De-Emphasis</b>	75 uS
<b>Dimensions (WxHxD)</b>	210x43x187 mm (antennas not incl.)
<b>Antenna</b>	255 mm (not bent)
<b>Net Weight</b>	0.53 kg
<b>Transmitter Power</b>	10 mW(Max)
<b>Modulation Type</b>	FM
<b>Max Deviation</b>	±25 kHz
<b>Spurious Emission</b>	>40 dB
<b>Battery Voltage</b>	3 V (2x1.5 V AA Battery)
<b>Continuous Using</b>	5 hours
<b>Hand-held Mic. Dimensions (W/DxH)</b>	Ø35(min)-Ø53(max)x260 mm
<b>Hand-held Mic. Net Weight</b>	0.335 kg (batteries included)
<b>Pocket Transmitter Dimensions (WxHxD)</b>	62x103x30 mm
<b>Antenna (W/DxH)</b>	Ø3x9 mm
<b>Pocket Transmitter Net Weight</b>	0.132 kg (batteries included)