

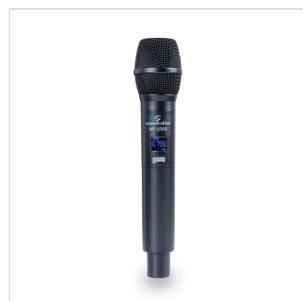
WF-U300HP-A1

# 300-CHANNEL DUAL UHF COMPACT WIRELESS SYSTEM WITH 1 HAND MIC & 1 BODYBAPCK A1 (520-550MHZ)

The WF-U300 is a UHF dual wireless microphone system with 300 channels each. Its main characteristics are reliability, audio quality and extreme simplicity of use. It's been designed for all those professionals who need a ready-to-use tool, always.

Despite its minimalist look, the WF-U300 is a concentration of technology, capable of integrating a high-quality microphone preamp stage, a DSP-based audio processing, a PLL synthesis stage, and other functions in a single chip. Compared to analog systems, it significantly improves the stability and reliability of the FM modulation section, the AF and audio stages, offering professional level music performance.

The WF-U300 is also equipped with the IR synchronization system, for quick coupling between the receiver and transmitter. Both the hand transmitter and the pocket transmitter can work with AA alkaline or rechargeable batteries. The quality of the cardioid capsules of the handheld transmitter (dynamic) and of the headset (condenser) are professional.



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### PRODUCT DETAILS

#### KEY FEATURES

Dual UHF Receiver

Professional Hand-held Microphones with Dynamic Cardioid Capsules

Bodypack with 3-Pin Mini-XLR Connector and LCD display

Professional and Lightweight Headset with High-Sensibility Condenser Cardioid Capsule

A1 (520-550MHz) UHF band

300 selectable Channels (shared between the 2 transmitters)

Simple and Outright User Interface with display on Transmitters and Receiver

Single-chip design with high-quality preamp, DSP audio processing, and PLL synthesis

IR Matching System for Quick Setup

50m Ideal Distance (without obstacles)

High efficiency battery consumption design (around 5h operation)

Operation with rechargeable or alkaline AA batteries

#### SPECIFICATIONS

**Carrier Frequency** UHF 520-550MHz (A1)

**Frequency Stabilization** Automatic calibration

**Dynamic Range** >90dB

**Total Harmonic Distortion** <0.4%

**Frequency Response** 40Hz-15KHz ±3dB

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|   |   |
|---|---|
| <b>System Audio Output Level</b>          | Balanced 400mV; Unbalanced 400mV                    |
| <b>System Packing Dimensions (WxDxH)</b>  | 380 x 285 x 65 mm                                   |
| <b>System Packing Gross Weight</b>        | 1.2 kg  |
| <b>Receiver Power Adapter</b>             | DC 12V / 1000mA                                     |
| <b>Receiver Consume Power</b>             | <4W   |
| <b>Receiver Signal/Noise Ratio</b>        | >95dB   |
| <b>Receiving Sensitivity</b>              | -95dBuV   |
| <b>Receiver De-Emphasis</b>               | 75uS  |
| <b>Receiver Size (WxDxH)</b>              | 210 x 155 x 43 mm                                   |
| <b>Receiver Antennas Height</b>           | 115 mm  |
| <b>Receiver Net Weight</b>                | 0.345 kg  |
| <b>Transmitter Power</b>                  | 10mW (Max)  |
| <b>Transmitting Modulation Type</b>       | FM  |
| <b>Transmission Max Deviation</b>         | ±26KHz  |
| <b>Transmission Spurious Emission</b>     | >40dB   |
| <b>Transmitter Battery Voltage</b>        | 2x1.5V AA Alkaline Batteries or 2x1.2V Rechargeable |
| <b>Transmitter Continuous Using</b>       | 5 hours   |
| <b>Hand-held Mic. Size (WxDxH)</b>        | Ø33 (min) - Ø48 (max) x 248 mm                      |
| <b>Hand-held Mic. Net Weight</b>          | 0.215 kg (batteries included)                       |
| <b>Pocket Transmitter Size (WxDxH)</b>    | 62 x 30 x 103 mm                                    |
| <b>Pocket Transmitter Antenna (WxDxH)</b> | Ø3 x 10 mm  |
| <b>Pocket Transmitter Net Weight</b>      | 0.133 kg (batteries included)                       |