

WIRELESS MICROPHONES SYSTEM

US-902DC / US-8001DC Wireless receivers



US-902DC



US-8001DC

Multi-channel, synthesized PLL technology, wireless microphones system, working on the UHF range of 600 to 960 MHz and with superheterodine diversity type reception. They provide an excellent coverage distance, up to 100 m in open spaces, from the microphone to the receiver.

All the components of this family, two receivers and three microphones, one hand-held, another tie-type, and a third one aerobic type are equipped with a switching system that permits to choose the working frequency from a total of 16 different channels.

Two receiver models are available: US-902DC has two different channels, allowing for the simultaneous reception of two different microphones in two different frequencies and US-8001DC has one channel.

The model US-902DC includes two BNC antenna inputs to connect its two built-in antennas, the UA-900 Antenna splitter or the UB-900 Antenna booster. It is supplied with racks mounting brackets and includes a LCD multifunction display.

The model US-8001DC has two built-in antennas and is not rack mountable.

Both models include noise and interferences elimination circuitry, to ensure a clear reception while the microphones are within a normal working range; the diversity type reception system reduces the fading possibilities in the radiofrequency linkage. Both are compatible with the MH-850C hand-held type, PT-850BC + CM-501 tie-type or PT-850BC + CX-504 aerobic type microphones.

SPECIFICATIONS

US-902DC

US-8001DC

Power supply	Power supply unit; input 230 V.a.c.; 50 ÷ 60 Hz / Output 24 V.d.c.	
Consumption	500 mA (12 V.d.c.)	
Carrier frequency range	600 ÷ 960 MHz, UHF	
Channels	16 frequencies (*)	
Reception	Superheterodine double diversity	
Audio output	- 12 dB 600 Ω, 1 XLR connector (balanced), 1 Jack connector (unbalanced)	
Antenna	BNC	Built-in
Reception sensitivity	- 107 dBm (12 dB S/R)	
Image frequency reuff	> 60 dB	
Channels selection	Manual, by means of frontal keypad and display	
Signal / Noise ratio	> 105 dB	
Total Harmonic Distortion	< 0,6% (1 kHz)	
Frequency response (± 3 dB)	50 ÷ 18.000 Hz	
Operating temperature	- 10 to + 50°C	
Controls	On/Off, volume, channels selector	
Finishing	Metallic, metal grey colour	Metallic, metal black colour
Dimensions (mm)	480 (width) x 45 (height) x 232 (depth)	221 (width) x 40 (height) x 152 (depth)
Rack mounting units	1	Not rack mountable
Accessories	Rack mounting brackets	-

(*) Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	786.250 MHz	6	792.500 MHz	A	799.000 MHz	E	803.750 MHz
1	787.500 MHz	7	795.500 MHz	B	800.500 MHz	F	805.250 MHz
2	788.500 MHz	8	796.250 MHz	C	801.000 MHz	D	802.750 MHz
3	789.125 MHz	9	797.875 MHz				
4	790.250 MHz	5	791.125 MHz				

