

19" DSP

RELACART Set 1x WAM-400 and 4x UB-200 System

Digital microphone conference system with 4-channel mixer and 4 UHF boundary microphones

- Digital automatic mixer with DSP and 4 input channels
- 4 electret boundary microphones with UHF pilot tone technology (PLL), LCD and durable metal diecast housing
- 2 license-free frequency ranges: 823-832 MHz (Duplex Gap) and 863-865 MHz
- Precise and noise-free microphone selection that automatically adjusts to changes in background room noise
- Eliminates acoustic feedback and background noise
- Easy setup via infrared synchronization between mixer and transmitters
- Automatic frequency scan (AFS) finds interference-free channels



Technical specifications:

System:	True Diversity, 4 channels
Carrier frequency:	UHF 823-832 and 863-865
Receiving frequencies:	90
	10 frequency banks with up to 10 preset frequencies each
Switching bandwidth:	11 MHz
Deviation:	± 45 kHz
Frequency stability:	± 10 ppm
T.H.D.:	<0.9 % at 1 kHz
S/N ratio:	>100 dB
Modulation method:	FM
Frequency response:	65-16000 Hz (± 3 dB)
Sensitivity:	5 dB μ V (S/N >60 dB at 25 deviation)
Audio output:	XLR bal., 6.3 mm jack unbal., RCA L/R
Audio output level:	-10 dBV
Audio input:	RCA L/R
Audio input level:	-10 dBV
Communication:	2 x RS-232 (for external controllers)
Antenna inputs:	2 x BNC (supply 8 V/150 mA)
Power supply:	12 V DC, 1 A
	via supplied power unit connected to 100-240 V AC, 50/60 Hz ~
Power consumption:	12 W
Dimensions (LxWxH):	483 x 245 x 44 mm
	Rack installation with 1 U
Weight:	2.6 kg
Microphones:	
Type:	Electret boundary microphone
Directivity pattern:	Semi-cardioid
Carrier frequency:	UHF 823-832 and 829-832 MHz
Switching bandwidth:	11 MHz
Deviation:	± 45 kHz
Modulation:	FM
Frequency stability:	± 0.0005 %
Frequency response:	50-17000 Hz
Dynamic range:	>90 dB, 1 kHz at max. SPL
RF power output:	10 mW
Coverage:	60 m (with line-of-sight)
Power supply:	2 x 1.5 V battery, type AA
Current consumption:	approx. 90 mA
Battery life:	approx. 10 hours
Dimensions:	119 x 110 x 41 mm
Weight:	516 g

No. 1305223..... Set
No. 1305221..... UB-200, boundary microphone

19" DSP

RELACART WAM-400 4CH Digital UHF automatic mixer

Digital UHF automatic mixer with DSP for up to 4 microphones

- 4 digital input channels for matching wireless microphones, e.g. UB-200 and UD-200
- 2 license-free frequency ranges: 823-832 MHz (Duplex Gap) and 863-865 MHz
- Precise and noise-free microphone selection that automatically adjusts to changes in background room noise
- Eliminates acoustic feedback and background noise
- Easy setup via infrared synchronization between mixer and transmitters
- Automatic frequency scan (AFS) finds interference-free channels
- 9 transmitters can be used simultaneously without any interference
- Linkable receivers to expand setups



No. 1305220

Technical specifications:

System:	True Diversity, 4 channels
Carrier frequency:	UHF 823-832 and 863-865
Receiving frequencies:	90
	10 frequency banks with up to 10 preset frequencies each
Switching bandwidth:	11 MHz
Deviation:	± 45 kHz
Frequency stability:	± 10 ppm
T.H.D.:	<0.9 % at 1 kHz
S/N ratio:	>100 dB
Modulation method:	FM
Frequency response:	65-16000 Hz (± 3 dB)
Sensitivity:	5 dB μ V (S/N >60 dB at 25 deviation)
Audio output, mono:	XLR bal., 6.3 mm jack unbal., RCA
Audio output level:	-10 dBV
Audio input, mono:	RCA
Audio input level:	-10 dBV
Communication:	2 x RS-232 (for external controllers)
Antenna inputs:	2 x BNC (supply 8 V/150 mA)
Power supply:	12 V DC, 1 A
	via supplied power unit connected to 100-240 V AC, 50/60 Hz ~
Power consumption:	12 W
Dimensions (LxWxH):	483 x 245 x 44 mm
	Rack installation with 1 U
Weight:	2.6 kg