

MANAGE YOUR FREQUENCIES



RWW-1
SOFTWARE

Relacart® HR-31S
TRUE DIVERSITY SYSTEM WITH
REAL-TIME MONITORING AND
DATA MANAGEMENT



PCconnect

RELACART HR-31S 1 channel true diversity system

True diversity wireless microphone system with PC control

- High-quality true diversity reception
- Real-time monitoring and data management using RWW PC software
- Easy setup via infrared synchronization between receiver and transmitter
- Dynamic hand-held microphone with ergonomic metal housing and LC display, applicable for touring
- 2 different frequency ranges: 731-790 MHz (10 EU countries) and 823-832 MHz (14 EU countries, license-free)
- 244 fixed frequencies (10 frequency banks with up to 25 frequencies each)
- 823-832 MHz with 48 fixed frequencies (8 frequency banks with up to 7 frequencies each)
- Parallel operation of up to 12 systems is possible without any interference
- Automatic frequency scan (AFS) finds interference-free channels



No. 13055202

Technical specifications:

System:	True diversity, 1 channel
Carrier frequencies:	UHF 731-790 MHz and 823-832 MHz, adjustable in steps of 25 kHz
Frequency groups:	10, with up to 25 preset frequencies each + 8, with up to 7 preset frequencies each
Switching bandwidth:	68 MHz
Deviation:	± 45 kHz
Frequency stability:	± 0.0005 %
T.H.D.:	<0.6 % at 1 kHz
S/N ratio:	>108 dB
Modulation method:	FM
Coverage:	80 m (with line-of-sight)
Frequency response:	45-18000 Hz (± 1 dB)
Sensitivity:	5 dBµV (S/N >60 dB at 25 deviation)
Audio output:	XLR, bal. 6.3 mm jack, unbal.
Antenna inputs:	2 x BNC (supply 8 V/150 mA)
Communication:	serial RS-485 interface (RJ-14 In/Out) for remote control with the PC software RWW
Power supply:	12 V DC, 500 mA via supplied power unit connected to 100-240 V AC, 50/60 Hz ~
Dimensions:	224 x 43 x 206 mm Rack installation with 1 U with supplied mounting brackets
Weight:	1.1 kg
Microphone:	
Type:	Dynamic
Directivity pattern:	Cardioid
Power supply:	2 x 1.5 V battery (type AA)
Current consumption:	approx. 90 mA
Battery life:	approx. 15 hours
Dimensions:	51 x 256 mm
Weight:	215 g

PCconnect

USB

No. 13055199

RELACART U485 USB Interface

USB/RS-485 converter

- Converter from USB to RS-485 for connecting the HR-31S wireless receiver to a computer
- Each of the two serial RS-485 ports connects up to 32 wireless receivers and allows real-time remote control with the PC software RWW
- Supports Windows Vista, 7 and 8

