



PCconnect

### RELACART HR-31S 1 channel true diversity receiver

True diversity wireless receiver with PC control

- Multifrequency wireless receiver with high-quality true diversity reception
- Real-time monitoring and data management using RWW PC software
- 2 different frequency ranges: 731-790 MHz (10 EU countries) and 823-832 MHz (14 EU countries, license-free)
- 731-790 MHz (requires license in Germany) is lockable and offers 244 fixed frequencies (10 frequency banks with up to 25 frequencies each)
- 823-832 MHz (license-free in Germany) offers 48 fixed frequencies (8 frequency banks with up to 7 frequencies each)
- 292 frequencies manually adjustable in steps of 25 kHz within 68 MHz switching bandwidth
- Parallel operation of up to 12 systems is possible without any interference

No. 13055200

#### Technical specifications:

System:	True diversity, 1 channel
Carrier frequencies:	UHF 731-790 MHz and 823-832 MHz, adjustable in steps of 25 kHz (292 frequencies)
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
Power consumption:	12 W
Dimensions:	224 x 43 x 206 mm, Rack installation with 1 U with supplied mounting brackets
Weight:	1.1 kg

### RELACART H-31 Microphone for HR-31S system

Hand-held microphone with PLL multifrequency transmitter

- Dynamic hand-held microphone with UHF pilot tone technology (PLL)
- Ergonomic aluminum alloy housing, applicable for touring
- 2 different frequency ranges: 731-790 MHz (10 EU countries) and 823-832 MHz (14 EU countries, license-free)
- Infrared interface for easy and error-free synchronization with the receiver via infrared signal
- Operation range approx. 80 meters
- Directly compatible with Shure's SM58 capsule
- License-free and approved in large parts of the EU (please check on a country-by-country basis)



No. 13055201

#### Technical specifications:

Type:	Dynamic
Directivity pattern:	Cardioid
Carrier frequency:	UHF 731-790 MHz and 823-832 MHz
Transmitting frequencies:	292 10 frequency banks with up to 25 preset frequencies each + 8 frequency banks with up to 7 preset frequencies each
Switching bandwidth:	68 MHz
Deviation:	± 45 kHz
Modulation:	FM
Coverage:	80 m (with line-of-sight)
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

### RELACART T-31 Bodypack for HR-31S with headset

Pocket transmitter with PLL multifrequency transmitter

- Durable metal diecast housing, applicable for touring
- Incl. headset microphone
- Pilot tone technology (PLL) for interference-free operation
- Infrared interface for easy and error-free synchronization with the receiver via infrared signal



#### Technical specifications:

Carrier frequencies:	UHF 731-790 MHz and 823-832 MHz, adjustable in steps of 25 kHz (292 frequencies)
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
Modulation:	FM
Coverage:	80 m (with line-of-sight)
Connection:	4-pin mini XLR jack (supplies 5 V)
Power supply:	1 x 1.5 V battery (type AA)
Current consumption:	approx. 204 mA
Battery life:	approx. 6 hours
Dimensions:	71 x 63 x 20 mm
Weight:	108 g
Headset microphone:	
Type:	Electret
Directivity pattern:	Omnidirectional
Frequency response:	45-18000 Hz
Sensitivity:	-47 dB
Impedance:	2.2 kohms
Power supply:	2-10 V DC
Connection:	cable with 4-pin mini XLR plug
Cable length:	approx. 1 m
Capsule dimensions:	6 x 5 mm

No. 13055203

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