

## RELACART Set HR-31S Bodypack with Headset and Lavalier

Multifrequency wireless receiver with bodypack, headset and lavalier microphone

Art. No.: 20000342

GTIN:



### Features:

- Multifrequency wireless receiver with high-quality true diversity reception
- Real-time monitoring and data management using RWW PC software
- 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
- Pilot frequency squelch technology delete wireless RF interference
- Automatic frequency scan (AFS) finds interference-free channels
- Easy and error-free synchronization between receiver and transmitter via infrared signal
- Serial RS-485 interface for connecting a computer with the optional USB/RS-485 converter U485
- Up to 32 units can be linked with network cables
- Lock function for prevents undesired changes to settings
- 2 detachable BNC antennas allow for use with the R-14D antenna divider
- (19") 48.3 cm rack installation possible 1 U
- Operating range up to 80m with line-of-sight
- UHF 823 - 832 MHz License-free and approved in large parts of Europe
- UHF 731 - 790 MHz License-free and approved in large parts of Europe
- Up to 12 transmitters can be operated in parallel without interference
- Multicolor LCD display
- Charge status indicator
- The device can be connected via RJ14 (F) mounting version to the PC in connection with RELACART RWW software and the dongle (optional)
- Desktop console housing
- <p>RELACART T-31 Bodypack for HR-31S with Headset

### Logistic

- <h2 class="featureSatz">Bodypack transmitter with PLL multifrequency transmitter, 731-790 + 823-832 MHz</h2>Durable aluminum alloy housing, applicable for touring
- Pilot frequency squelch technology delete wireless RF interference
- 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
- Easy and error-free synchronization between receiver and transmitter via infrared signal
- Switchable between microphone and instrument input
- Charge status indicator
- transmitter**
- Operating range up to 80m with line-of-sight
- UHF 731 - 790 MHz License-free and approved in large parts of Europe
- UHF 823 - 832 MHz License-free and approved in large parts of Europe
- microphone**
- Polar pattern: Omnidirectional
- <p>RELACART LM-C420 Lavalier unidirectional
- <h2 class="featureSatz">Inconspicuous electret lavalier microphone</h2>For attaching to the user's tie, shirt or collar
- Polar pattern: Cardioid
- For application areas such as: Theater; product presentations and lectures

## Technical specifications:

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Weight: 2.19 kg

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### RELACART HR-31S 1-channel True Diversity Receiver

Type:	Receiver
Power supply:	100-240 V AC, 50/60 Hz 12V DC
Power consumption:	3.8 W
Power connection:	Mains input via coaxial power connector (M) mounting version power supply cord with AC adapter (provided)
Number of channels:	1
Frequency range:	45 - 18000 Hz
S/N ratio:	>108 dB
THD:	<0.6 % at 1 kHz
Range:	Range up to 80m with line-of-sight
Frequency band:	UHF 823 - 832 MHz; UHF 731 - 790 MHz
Diversity:	True diversity
Switching bandwidth:	68 MHz
Frequency stability:	± 0.005 %
Parallel mode:	Max. 12 transmitter
Modulation:	FM
Frequency selection:	292 switchable frequencies In 10 groups with up to 25 preset frequencies each and In 8 groups with up to 7 preset frequencies each

Display type:	Multicolor LCD display
Display:	Charge status indicator , antenna A/B , RF signal level , AF audio level; frequency , channel , Mute
Control elements:	Menu, navigation keys, groundlift selector
Connections:	Antenna via 2 x BNC (F) 8 V Output: line via 1 x 3-pin XLR (M) mounting version Output: line via 1 x 6.3 mm jack socket (stereo) mounting version Link: 2 x RJ14 (F) mounting version
Switch:	On/off switch
Material:	Metal
Color:	Black
PC connect:	RELACART RWW software with dongle (optional) via RJ14 (F) mounting version
Housing design:	Desktop console housing (19") 48.3 cm rack installation possible 1 U
Dimensions:	Width: 20 cm Depth: 26 cm Height: 4.3 cm
Weight:	2.05 kg

#### **RELACART T-31 Bodypack for HR-31S with Headset**

Type:	Bodypack with microphone
Switching bandwidth:	68 MHz
Display:	Charge status indicator , frequency , channel
Weight:	0.12 kg
Type:	Pocket transmitter
Power supply:	1.5V DC
Battery:	1 x Mignon (AA) (not included)
Frequency range:	45 - 18000 Hz
Range:	Range up to 80m with line-of-sight
Frequency band:	UHF 731 - 790 MHz; UHF 823 - 832 MHz
RF power output:	50 mW
Modulation:	FM
Frequency selection:	292 switchable frequencies In 10 groups with up to 25 preset frequencies each and In 8 groups with up to 7 preset frequencies each
Connections:	Input: microphone via 1 x Mini XLR (M) 4-pin mounting version 5 V
Switch:	Mute control; on/off switch
Material:	Aluminum
Color:	Black
Dimensions:	Width: 6.3 cm Depth: 2 cm Height: 7.1 cm

Type:	Headset microphone
Power supply:	2-10V DC
Power connection:	Via Mini XLR (F) 4-pin
Cable length:	1 m
Capsule type:	Condenser Size: Ø 5 mm x 6 mm
Polar pattern:	Omnidirectional
Sensitivity:	-47 dB
Impedance:	2200 Ohm
Material:	Metal
Color:	Skin-colored
Weight:	0.02 kg

#### **RELACART LM-C420 Lavalier unidirectional**

Type:	Lavalier microphone
Power supply:	2-10V DC
Power connection:	Mains input via Mini XLR (F) 4-pin
Cable length:	1.2 m
Capsule type:	Electret
Polar pattern:	Cardioid
Frequency range:	60 - 12000 Hz
S/N ratio:	>59 dB
Sensitivity:	-42 dB
Impedance:	1800 Ohm
Switch:	Without
Material:	Aluminum
Color:	Black
Dimensions:	Length: 2.80 cm Diameter: Ø 1.10 cm
Weight:	0.02 kg

#### **Scope of delivery:**

##### **1 x RELACART HR-31S 1-channel True Diversity Receiver**

1 x device  
 2 x antenna  
 1 x external mains adapter  
 1 x jack cable  
 1 x user manual  
 1 x declaration of conformity  
 1 x bag  
 3 x mounting bracket  
 10 x screw

##### **1 x RELACART T-31 Bodypack for HR-31S with Headset**

1 x transmitter  
 1 x microphone  
 1 x windshield  
 1 x user manual  
 1 x declaration of conformity

**1 x RELACART LM-C420 Lavalier unidirectional**

1 x microphone

1 x windshield