

RELACART HR-31S 1-channel True Diversity System

Wireless microphone system with PC control, 731-790 + 823-832 MHz

Art. No.: 13055202

GTIN: 4026397525762



Description:

The HR-31S is a premium true diversity system in the UHF spectrum that can fully exploit its strengths, in particular in connection with the RWW software. The transmission takes place either in the professional switchable band 731-790 MHz or in the license-free range 823-832 MHz. The other features also convince: quick setup via infrared and an exceptionally long service life of the transmitter from up to 15 hours on just one set of batteries.

Logistic

EAN / GTIN: 4026397525762

Weight: 2,40 kg

Length: 0.39 m

Width: 0.30 m

Height: 0.07 m

Features:

- Receiver and microphone also available separately
- Charge status indicator
- <p>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
- 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 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
- 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
- RF output power Hi/Low adjustable
- Gain level Hi/Mid/Low adjustable
- Directly compatible with Shure's SM58 capsule
- Polar pattern: Cardioid
- 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
- OLED display
- Charge status indicator

Technical specifications:

Type:	Wireless set
Display reading:	Charge status indicator , antenna A/B , RF signal level , AF audio level; frequency
Weight:	2.34 kg

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 reading:	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 H-31 Microphone for HR-31S system

Type:	Hand-held transmitter
Power supply:	3V DC
Power connection:	Battery/battery pack
Capsule type:	Dynamic
Polar pattern:	Cardioid
Frequency range:	100 - 18000 Hz
Max. SPL:	145 dB
Range:	Range up to 80m with line-of-sight
Frequency band:	UHF 823 - 832 MHz; UHF 731 - 790 MHz
Switching bandwidth:	68 MHz
RF power output:	10 mW (LO); 40 mW (HI)
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:	OLED display
Display reading:	Frequency , channel , charge status indicator , Mute
Switch:	On/off/mute switch
Material:	Aluminum
Color:	Black
Dimensions:	Length: 26.5 cm Diameter: Ø 5.4 cm
Weight:	0.29 kg
Battery:	2 x Mignon (AA) (not included)

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 H-31 Microphone for HR-31S system

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