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**Features:****OMNITRONIC UHF-502 2-Channel Wireless Mic System 863-865 MHz**

2-channel UHF PLL microphone system

- 2-channel multifrequency receiver unit and 2 hand-held microphones with UHF PLL technology
- 80 fixed frequencies selectable per channel
- Pilot tone technology (PLL) and noise squelch for interference-free operation
- Automatic frequency scan (AFS) finds interference-free channels
- Easy and error-free synchronization between receiver and transmitters via infrared signal
- LCDs for RF reception level, AF audio level, frequency and channel
- Parallel operation of up to 4 transmission channels is possible without any interference
- Lock function avoids accidental changing of the transmission channel
- 2 separate channels with volume controls
- Balanced XLR output per channel
- 6.3 mm jack for mixed signal output, switchable mic/line
- Jack cable included
- Non-diversity system with two removable antennas (BNC connection)
- Microphones with mute switch and color caps for distinction on stage
- Operation of the receiver unit via supplied power unit
- Operation of the microphones via 2 x 1.5 V batteries (type AA), not included
- Receiver unit with aluminum front panel and dimensions for 483 mm rack installation (1U)
- License-free and approved in the EU
- Polar pattern: Cardioid
- Operating range up to 50m with line-of-sight
- UHF 863 - 865 MHz License-free and approved in Europe
- (19") 48.3 cm rack installation

**Package contents**

- 1 x microphone, 1 x receiver

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**Logistic**

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### **OMNITRONIC UHF-502 Bodypack incl. 863-865MHz, Lavalier (CH A red)**

Bodypack transmitter with lavalier microphone

- Pocket transmitter for UHF-502 microphone system with the same carrier frequency
- Incl. lavalier microphone
- Headset microphone optional
- Pilot tone technology (PLL) for interference-free operation
- Infrared interface for easy and error-free synchronization with the receiver via infrared signal
- LCD for battery capacity and transmission channel
- Sensitivity adjustable
- Transmitting power 5 mW/10 mW, switchable
- LED battery indicator
- Belt clip
- Operation via 2 x 1.5 V batteries (type AA), not included
- License-free and approved in the EU
- Polar pattern: Cardioid
- UHF 863 - 865 MHz License-free and approved in Europe

### **OMNITRONIC UHF-502 Bodypack 863-865MHz, incl. Lavalier (CH B blue)**

Bodypack transmitter with lavalier microphone

- Pocket transmitter for UHF-502 microphone system with the same carrier frequency
- Incl. lavalier microphone
- Headset microphone optional
- Pilot tone technology (PLL) for interference-free operation
- Infrared interface for easy and error-free synchronization with the receiver via infrared signal
- LCD for battery capacity and transmission channel
- Sensitivity adjustable
- Transmitting power 5 mW/10 mW, switchable
- LED battery indicator
- Belt clip
- Operation via 2 x 1.5 V batteries (type AA), not included
- License-free and approved in the EU
- Polar pattern: Cardioid
- UHF 863 - 865 MHz License-free and approved in Europe

### **OMNITRONIC UHF-502 Headset for Bodypack**

Headset for UHF-502 bodypack transmitter

- Lightweight design for optimum wearer comfort
- Gooseneck
- One-sided cable run
- Connection cable with 3-pin mini XLR plug
- Foam windscreen
- Color: black
- Polar pattern: Cardioid

### **Technical specifications:**

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Weight: 2,75 kg

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### **OMNITRONIC UHF-502 2-Channel Wireless Mic System 863-865 MHz**

Type: Wireless set

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Power consumption: 5 W

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Power connection:	Mains input via Coaxial power connector (M) mounting version power supply cord with AC adapter (provided)
Capsule type:	Dynamic
Polar pattern:	Cardioid
Frequency range:	40 - 18000 Hz
S/N ratio:	>80 dB
Sensitivity:	-95 dB
Range:	Range up to 50m with line-of-sight
Frequency band:	UHF 863 - 865 MHz
Frequency selection:	Switchable frequencies
Material:	Metal
Housing design:	(19") 48.3 cm rack installation
Weight:	2,46 kg
<b>Receiver</b>	
Dimensions:	Width: 48,3 cm Depth: 25,3 cm Height: 4,45 cm
Weight:	1,9 kg
<b>Microphone</b>	
Battery:	4 x Mignon (AA) (not included)
Switch:	On/off switch; Mute control
Weight:	230 g
System:	Non-diversity, 2 channels
Color code:	CH A = red, CH B = blue
Receiving frequencies:	80
RF power output:	10 mW
Modulation method:	FM
Frequency stability:	10 ppm
Selectivity:	>80 dB
T.H.D.:	<0.1 %
<b>Audio outputs:</b>	
Mic:	2 x XLR, bal.
Mix:	6.3 mm jack, unbal.
<b>Power supply:</b>	
Receiver:	12 V DC via supplied power unit (100-240 V AC, 50/60 Hz)
<b>Dimensions, weight:</b>	
Microphones:	50 x 240 mm (D x L), 230 g (w/o batteries)

#### **OMNITRONIC UHF-502 Bodypack incl. 863-865MHz, Lavalier (CH A red)**

Type:	Bodypack with microphone
Capsule type:	Condenser
Polar pattern:	Cardioid

Battery:	2 x Mignon (AA) (not included)
Frequency range:	50 - 15000 Hz
Frequency band:	UHF 863 - 865 MHz
Frequency selection:	Switchable frequencies
Switch:	On/off switch
Dimensions:	Width: 6,6 cm Depth: 2,2 cm Height: 10,8 cm
Weight:	120 g
Color code:	CH A = red, CH B = blue
Receiving frequencies:	100
Coverage:	50 m (with line-of-sight)
RF power output:	5 mW (LO), 10 mW (HI)
Modulation method:	FM
Frequency stability:	10 ppm
S/N ratio:	>90 dB
T.H.D.:	<1 %
Audio input:	mini XLR (supplies 5 V)
Power consumption:	approx. 100 mA
Lavalier microphone:	
Type:	Electret
Directivity pattern:	Cardioid
Sensitivity:	-47 dB
Impedance:	680 ohms
S/N ratio:	>63 dB
Power supply:	2-10 V DC
Connection:	cable with 3-pin mini XLR plug
Cable length:	approx. 1 m
Capsule:	9.7 x 5.2 mm

#### **OMNITRONIC UHF-502 Bodypack 863-865MHz, incl. Lavalier (CH B blue)**

Type:	Bodypack with microphone
Capsule type:	Condenser
Polar pattern:	Cardioid
Battery:	2 x Mignon (AA) (not included)
Frequency range:	50 - 15000 Hz
Frequency band:	UHF 863 - 865 MHz
Frequency selection:	Switchable frequencies
Switch:	On/off switch
Dimensions:	Width: 6,6 cm Depth: 2,2 cm Height: 10,8 cm
Weight:	120 g
Color code:	CH A = red, CH B = blue

Receiving frequencies:	100
Coverage:	50 m (with line-of-sight)
RF power output:	5 mW (LO), 10 mW (HI)
Modulation method:	FM
Frequency stability:	10 ppm
S/N ratio:	>90 dB
T.H.D.:	<1 %
Audio input:	mini XLR (supplies 5 V)
Power consumption:	100 mA (LO), 130 mW (HI)
Lavalier microphone:	
Type:	Electret
Directivity pattern:	Cardioid
Sensitivity:	-47 dB
Impedance:	680 ohms
S/N ratio:	>63 dB
Power supply:	2-10 V DC
Connection:	cable with 3-pin mini XLR plug
Cable length:	approx. 1 m
Capsule:	9.7 x 5.2 mm

#### **OMNITRONIC UHF-502 Headset for Bodypack**

Type:	Headset microphone
Capsule type:	Condenser
Polar pattern:	Cardioid
Frequency range:	50 - 15000 Hz
Frequency selection:	Switchable frequencies
Weight:	30 g
Type:	Electret
Directivity pattern:	Cardioid
Sensitivity:	-49 dB
Impedance:	680 ohms
S/N ratio:	>63 dB
Power supply:	2-10 V DC
Connection:	cable with 3-pin mini XLR plug
Cable length:	approx. 1 m
Capsule:	D = 9.7 mm