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**Features:****OMNITRONIC UHF-502 2-Channel Wireless Mic System 823-832MHz**

2-channel UHF PLL microphone system

- 2-channel multifrequency receiver unit and 2 hand-held microphones with UHF PLL technology
- Operation in the license-free Duplex Gap 823-832 MHz
- 100 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 8 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 large parts of the EU (please check on a country-by-country basis)

**Receiver**

- (19") 48.3 cm rack installation 1 U

**Microphone**

- Polar pattern: Cardioid

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**Logistic**

- Operating range up to 50m with line-of-sight
- UHF 823 - 832 MHz License-free and approved in large parts of Europe

**Package contents**

- 2 x microphone, 1 x receiver

**OMNITRONIC UHF-502 Bodypack 823-832MHz, incl. lavalier (CH A green)**

Bodypack transmitter with lavalier microphone

- Pocket transmitter for UHF-502 microphone system with the same carrier frequency
- Incl. lavalier microphone
- Headset microphone optional
- Operation in the Duplex Gap 823-832 MHz
- 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 large parts of the EU (please check on a country-by-country basis)
- Polar pattern: Cardioid
- UHF 823 - 832 MHz License-free and approved in large parts of Europe

**OMNITRONIC UHF-502 Bodypack incl. 823-832MHz Lavalier (CH B orange)**

Bodypack transmitter with lavalier microphone

- Operation in the Duplex Gap 823-832 MHz
  - Pilot frequency squelch technology delete wireless RF interference
  - Easy and error-free synchronization between receiver and transmitter via infrared signal
  - Sensitivity adjustable
  - LED indicator for battery capacity
  - Belt clip
  - LCD display
  - Charge status indicator
- transmitter**
- Powered by a battery/battery pack
  - Operating range up to 50m with line-of-sight
  - UHF 823 - 832 MHz License-free and approved in large parts of Europe

**Microphone**

- Polar pattern: Cardioid

**Package contents**

- 1 x transmitter, 1 x microphone

**Technical specifications:**

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Weight: 2,79 kg

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**OMNITRONIC UHF-502 2-Channel Wireless Mic System 823-832MHz**

Type: Wireless set

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Power consumption: 5 W

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Material: Metal

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Weight: 2,50 kg

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Receiver

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Power connection:	Mains input via Coaxial power connector (M) mounting version power supply cord with AC adapter (provided)
Housing design:	(19") 48.3 cm rack installation 1 U
Weight:	1,9 kg
Microphone	
Capsule type:	Dynamic
Polar pattern:	Cardioid
Battery:	4 x Mignon (AA) (not included)
Frequency range:	40 - 18000 Hz
Range:	Range up to 50m with line-of-sight
Frequency band:	UHF 823 - 832 MHz
Frequency selection:	Switchable frequencies
Switch:	Mute control; on/off switch
Dimensions:	Length: 24 cm Diameter: Ø 5 cm
Weight:	230 g
System:	Non-diversity, 2 channels
Color code:	CH A = green, CH B = orange
Receiving frequencies:	100
RF power output:	10 mW
Modulation method:	FM
Frequency stability:	10 ppm
Sensitivity:	-95 dB
S/N ratio:	>80 dB
Selectivity:	>80 dB
T.H.D.:	<0.1 %
Audio outputs:	
Mic:	2 x XLR, bal.
Mix:	6.3 mm jack, unbal.
Power supply:	
Receiver:	12 V DC via supplied power unit (100-240 V AC, 50/60 Hz)

#### **OMNITRONIC UHF-502 Bodypack 823-832MHz, incl. lavalier (CH A green)**

Type:	Bodypack with microphone
Capsule type:	Condenser
Polar pattern:	Cardioid
Battery:	2 x 1.5 V AA Mignon R06 zinc carbon included
Frequency range:	50 - 15000 Hz
Frequency band:	UHF 823 - 832 MHz
Frequency selection:	Switchable frequencies
Switch:	On/off switch
Dimensions:	Width: 6,6 cm

	Depth: 2,2 cm Height: 10,8 cm
Weight:	140 g
Carrier frequency:	UHF 823-832 MHz
Color code:	CH A = green, CH B = orange
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 incl. 823-832MHz Lavalier (CH B orange)**

Type:	Bodypack with microphone
Display type:	LCD display
Display:	Charge status indicator , Chanal
Weight:	140 g
Transmitter	
Type:	Pocket transmitter
Power connection:	Battery/battery pack
Battery:	2 x Mignon (AA) (not included)
S/N ratio:	>90 dB
THD:	<1 % at 1 kHz
Range:	Range up to 50m with line-of-sight
Frequency band:	UHF 823 - 832 MHz
Frequency stability:	± 0,001 %
RF power output:	5 mW (LO); 10 mW (HI)
Modulation:	FM
Frequency selection:	100 Switchable frequencies
Output voltage:	5 V

Connections:	Input: Microphone via Mini XLR (M) 3-pin mounting version
Color code:	CH A= green, CH B= orange,
Switch:	On/off switch
Dimensions:	Width: 6,6 cm Depth: 2,2 cm Height: 10,8 cm
Microphone	
Type:	Lavalier microphone
Power supply:	2-10 V DC
Cable length:	1 m
Capsule type:	Electret Size: Ø 5,2 mm x 9,7 mm
Polar pattern:	Cardioid
Frequency range:	50 - 15000 Hz
S/N ratio:	>63 dB
Sensitivity:	-47 dB
Impedance:	680 Ohm
Connections:	Output: 1 x Mini XLR (F) 3-pin