



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

Logistic

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

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

Technical specifications:

Weight:	2.79 kg
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OMNITRONIC UHF-502 2-Channel Wireless Mic System 823-832MHz

Type:	Wireless set
Power consumption:	5 W
Material:	Metal
Weight:	2.50 kg
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:	0.230 kg
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
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:	0.14 kg
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 , channel
Weight:	0.14 kg
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
Type:	Lavalier microphone

Power supply:	2-10V 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

Scope of delivery:

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

2 x microphone
1 x receiver

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

1 x transmitter
1 x microphone