MW1-LTX-F4 Belt-pack transmitter, 606-630 MHz

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Invented for life



- 193 selectable UHF channels
- PLL synthesized technology
- LCD with battery status and frequency indication
- Lock function
- Approximately 15 hours operation on alkaline batteries

The wireless belt-pack transmitter is part of the Bosch wireless microphone system. This system is designed for public address in houses of worship, restaurants, conference centers, hotels, shops and many other applications.
The complete system consists of:

- a microphone receiver, supplied with AC/DC power supply and 1.5 m 3-pin male/female XLR cable
- a wireless belt-pack transmitter with clip-on Lavalier microphone, supplied with clip, protective case, 2 LR5/AA batteries and windscreen
- or a wireless handheld microphone, supplied with microphone holder, protective case, 2 LR5/AA batteries and 7 color caps

The products are sold separately to offer optimal flexibility in the composition of a system.
The Lavalier microphone (MW1-LMC) can be ordered separately without the belt-pack transmitter. An optional head-worn microphone (MW1-HMC), connected to the belt-pack transmitter, can also be ordered separately.

Certifications and approvals

CE Marking	2014/53EU (RED) 2011/65/EU (RoHS)
EMC	EN 60065:2002 + A1:2006 + A11:2008 + A2:2010 + A12:2011 EN 301 489-1:V2.2.0:2017 EN 301 489-9:V2.1.1:2017 EN 301 422-1:V2.1.2:2017 EN 50581:2012

Region	Regulatory compliance/quality marks	
Europe	CE	DECL_CE_MW1-LTX-F4

Parts included

Quantity	Component
1	MW1-LTX-F4 Wireless Belt-pack Transmitter
1	Protective case
2	LR5/AA batteries

Quantity	Component
1	MW1-LMC Lavalier Microphone
1	Windscreen
1	Clip

Technical specifications

Electrical

Belt-pack	
Batteries	2 x LR6/AA/UM3 1.5 V
Battery life time	Approx. 15 hr
Modulation	FM frequency modulation
Frequency selection	PLL synthesized control
Frequency range	606 to 630 MHz
Channels	193 channels (in steps of 125 kHz)
Frequency stability	±0.005%
Stability	±10 kHz
Frequency deviation	±48 kHz
S/N ratio	>102 dB
RF output	10 mW
Spurious rejection	>60 dBc
Dynamic range	>110 dB
Frequency response	50 Hz to 15 kHz
Squelch	Pilot tone & noise mute

Lavalier microphone	
Connector	Mini XLR (tiny QG)
Frequency range	100 Hz to 12 kHz
Polar pattern	Cardioid
Sensitivity (at 1 kHz)	-70 dB ± 3 dB
Impedance	2.2 kohm ±30%
Max SPL for 1% THD	130 dB (SPL)

Mechanical

Belt-pack	
Dimensions (H x W x D) (without antenna)	105 x 78 x 34 mm (4.13 x 3.07 x 1.34 in)
Color	Charcoal
Weight	176 g (0.38 lb)
Antenna	Flexible

Lavalier microphone	
Dimensions (L x D)	30 x 16 mm (1.18 x 0.63 in)
Color	Charcoal
Weight	20 g (0.04 lb)
Cable length	1 m (39.37 in)

Environmental

Operating temperature	-25 °C to +55 °C (-13 °F to +131 °F)
Storage and transport temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Relative humidity	<95%

Ordering information

MW1-LTX-F4 Belt-pack transmitter, 606-630 MHz
UHF belt-pack transmitter, LCD with battery status and frequency indication, supplied with clip-on lavalier microphone, batteries and storage case.
Frequency range: 606-630 MHz, 193 selectable UHF channels.
Order number **MW1-LTX-F4**

Accessories

MW1-RX-F4 Microphone receiver, 606-630 MHz
UHF wireless microphone receiver, true diversity for stable reception, PLL synthesized technology, table top and 19" rack mountable, supplied with AC/DC adapter with power cord and 1.5 m 3 pin XLR male/female audio cable.
Frequency range: 606-630 MHz, 193 selectable UHF channels.
Order number **MW1-RX-F4**

MW1-LMC Lavalier microphone
Lavalier clip-on microphone with windscreen, for use with the Belt-pack transmitters MW1-LTX-F4, MW1-LTX-F5 and MW1-LTX-F6.
Order number **MW1-LMC**

MW1-HMC Head-worn microphone
Head-worn microphone with miniature condenser microphone with omni-directional pick-up pattern, for use with the Belt-pack transmitters MW1-LTX-F4, MW1-LTX-F5 and MW1-LTX-F6.
Order number **MW1-HMC**

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