

UHF Wireless Belt-pack Transmitters

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Invented for life



- ▶ 97-193 selectable UHF channels
- ▶ PLL synthesized technology
- ▶ LCD with battery status and frequency indication
- ▶ Lock function
- ▶ Approximately 15 hours operation on alkaline batteries

The MW1-LTX-Fx wireless belt-pack transmitters are part of the Bosch wireless microphone system. The complete system consists of:

- a microphone receiver (MW1-RX-Fx), comes 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 (MW1-LTX-Fx), comes with clip, protective case, 2 LR5/AA batteries and windscreen
- or a wireless handheld microphone (MW1-HTX-Fx), comes 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 wireless microphone system is designed for public address in houses of worship, restaurants, conference centers, hotels, shops and many other applications.

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.

Functions

Frequencies

This microphone system operates in the UHF band providing interference reduction, while selectable channels, available within the frequencies, ensure stable reception.

The following frequencies with selectable channels are available:

F4: 606-630 MHz.

F5: 722-746 MHz.

F6: 925-937 MHz

Note: F4 and F5 are only allowed in all European and EFTA countries.

Operation

The belt-pack transmitter can operate approximately 15 hours on alkaline batteries. A lock function protects the transmitter settings, making accidental changes impossible. This feature is also available on the Bosch microphone receiver and the belt-pack transmitter. An LCD on the transmitter shows the selected frequency and the battery status.

The belt-pack transmitter comes with a case to protect it from damage, and a Lavalier clip-on microphone (MW1-LMC).

Controls and indicators

- Power on/off
- Frequency up/down buttons
- LCD displaying frequency and battery level
- Sensitivity adjustment and lock-on mode

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_EC_MW1-LTX-F5
	CE	DECL_CE_MW1-LTX-F4

Installation/configuration notes



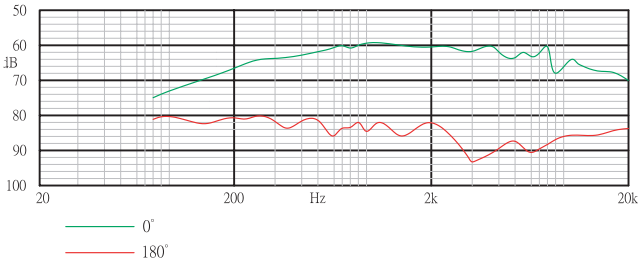
Protective case with wireless, belt-pack and accessories



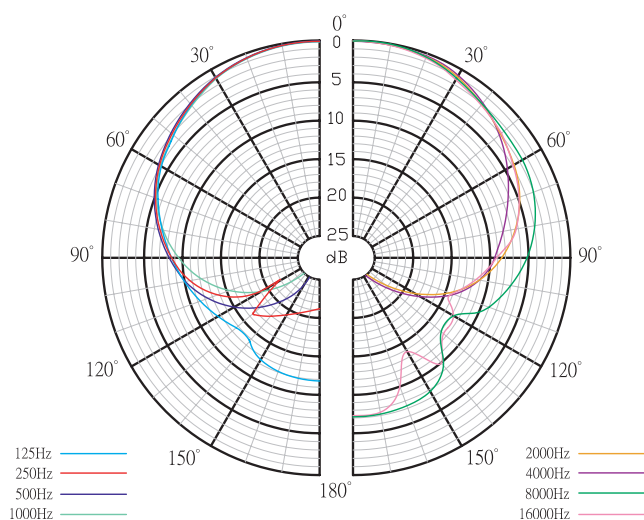
Belt-pack rear view



Lavalier microphone with clip



Frequency response



Polar diagram

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	MW1-LTX-F4: 606 to 630 MHz MW1-LTX-F5: 722 to 746 MHz MW1-LTX-F6: 925 to 937 MHz
Channels	193 channels (F4 and F5) 97 channels (F6) (in steps of 125 kHz)
Frequency stability	$\pm 0.005\%$
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 $\pm 30\%$
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**

MW1-LTX-F5 Belt-pack transmitter, 722-746 MHz

UHF belt-pack transmitter, LCD with battery status and frequency indication, supplied with clip-on lavalier microphone, batteries and storage case.

Frequency range: 722-746 MHz, 193 selectable UHF channels.

Order number **MW1-LTX-F5**

MW1-LTX-F6 Belt-pack transmitter, 925-937 MHz

UHF belt-pack transmitter, LCD with battery status and frequency indication, supplied with clip-on lavalier microphone, batteries and storage case.

Frequency range: 925-937 MHz, 97 selectable UHF channels.

Order number **MW1-LTX-F6**

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-RX-F5 Microphone receiver, 722-746 MHz

UHF wireless microphone receiver, true diversity for stable reception, PLL synthesized technology, table top and 19" rack mountable.

Frequency range: 722-746 MHz, 193 selectable UHF channels.

Order number **MW1-RX-F5**

MW1-RX-F6 Microphone receiver, 925-937 MHz

UHF wireless microphone receiver, true diversity for stable reception, PLL synthesized technology, table top and 19" rack mountable.

Frequency range: 925-937 MHz, 97 selectable UHF channels.

Order number **MW1-RX-F6**

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 transmitter MW1-LTX-Fx.

Order number **MW1-HMC**

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