

# 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, a wireless belt-pack transmitter with clip-on lavalier microphone MW1-LTX-Fx, or a wireless handheld microphone (MW1-HTX-Fx). The products are sold separately to offer optimal flexibility in the composition of the 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

### 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

**Certifications and approvals**

CE Marking	Acc. to R & TTE directive 1999/5/EC
EMC	Acc. to ETSI EN 301489-1 Acc. to ETSI EN 301489-9 Acc. to ETSI EN 300422-2

**Installation/configuration notes**



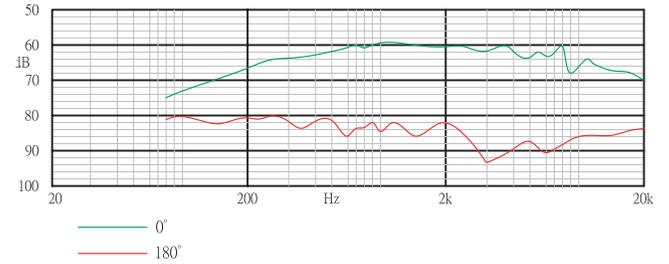
*Protective case with wireless, belt-pack and accessories*



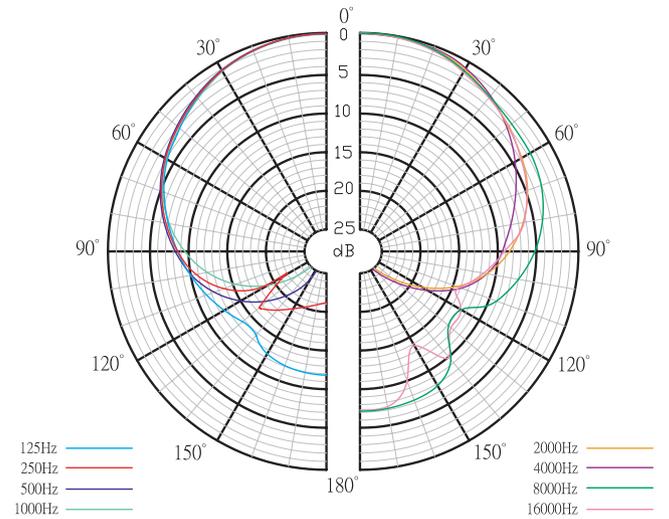
*Belt-pack rear view*



*Lavalier microphone with clip*



*Frequency response*



*Polar diagram*

**Parts included**

Quantity	Components
1	MW1-LTX-Fx Wireless Belt-pack Transmitter
1	Protective case
2	LR5/AA batteries
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	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	±0.005%
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 temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Relative humidity	<95%

## Ordering information

### MW1-LTX-F4 Wireless Belt-pack Transmitter

UHF, frequency range: 606-630 MHz  
Order number **MW1-LTX-F4**

### MW1-LTX-F5 Wireless Belt-pack Transmitter

UHF, frequency range: 722-746 MHz.  
Order number **MW1-LTX-F5**

### MW1-LTX-F6 Wireless Belt-pack Transmitter

UHF, frequency range: 925-937 MHz  
Order number **MW1-LTX-F6**

### MW1-RX-F4 Wireless Microphone Receiver

UHF, frequency range: 606-630 MHz.  
Order number **MW1-RX-F4**

### MW1-RX-F5 Wireless Microphone Receiver

UHF, frequency range: 722-746 MHz.  
Order number **MW1-RX-F5**

### MW1-RX-F6 Wireless Microphone Receiver

UHF, frequency range: 925-937 MHz.  
Order number **MW1-RX-F6**

### MW1-LMC Lavalier Microphone

with clip and windscreen, for use with MW1-LTX-Fx  
Order number **MW1-LMC**

### MW1-HMC Head-worn Microphone

miniature condenser microphone with omni-directional pick-up pattern  
Order number **MW1-HMC**

### MW1-LTX-F2 UHF Wireless Belt-pack Transmitter

frequency range 852 to 876 MHz  
Order number **MW1-LTX-F2**

### MW1-LTX-F1 UHF Wireless Belt-pack Transmitter

frequency range 790 to 814 MHz  
Order number **MW1-LTX-F1**

**Represented by:**

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