

**BOSCH**
Invented for life

MW1-LTX-Fx Wireless Belt-pack Transmitters



- ▶ 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-F1 and MW1-LTX-F2 wireless belt-pack transmitters are part of the Bosch wireless microphone system. The complete system consists of a microphone receiver (MW1-RX-F1 or MW1-RX-F2), a wireless belt-pack transmitter with clip-on lavalier microphone (MW1-LTX-F1 or MW1-LTX-F2), a wireless handheld microphone (MW1-HTX-F1 or MW1-HTX-F2). 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) can also be ordered separately.

Functions

Frequencies

This microphone system operates in the UHF band providing interference reduction, while 193 available frequencies ensure stable reception. The MW1-LTX-F1 operates in the 790 to 814 MHz frequency band, and the MW1-LTX-F2 operates in the 852 to 876 MHz band. The country overview lists the recommended type number for each country.

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

- Frequency up/down buttons
- LCD displaying frequency and battery level

Certifications and Approvals

Region	Certification	
Europe	CE	Declaration of Conformity
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

Country Overview

Austria	MW1-RX-F1/MW1-RX-F2
Belgium	MW1-RX-F1/MW1-RX-F2
Czech republic	MW1-RX-F1
Denmark	MW1-RX-F1
Estonia	MW1-RX-F1/MW1-RX-F2
Finland	MW1-RX-F2
France	MW1-RX-F1
Germany	MW1-RX-F1/MW1-RX-F2
Hungary	MW1-RX-F1/MW1-RX-F2
Ireland	MW1-RX-F2
Italy	MW1-RX-F1/MW1-RX-F2
Liechtenstein	MW1-RX-F1/MW1-RX-F2
Lithuania	MW1-RX-F1
Luxembourg	MW1-RX-F1/MW1-RX-F2
Netherlands	MW1-RX-F2
Norway	MW1-RX-F1/MW1-RX-F2
Poland	MW1-RX-F1/MW1-RX-F2
Portugal	MW1-RX-F1
Slovakia	MW1-RX-F2
Spain	MW1-RX-F2
Switzerland	MW1-RX-F1
Sweden	MW1-RX-F2
United Kingdom	MW1-RX-F2
Australia	MW1-RX-F1
China	MW1-RX-F1
Indonesia	MW1-RX-F1/MW1-RX-F2
Japan	MW1-RX-F1
Korea	MW1-RX-F1
Philippines	MW1-RX-F1/MW1-RX-F2
Taiwan	MW1-RX-F1
Thailand	MW1-RX-F1/MW1-RX-F2
Vietnam	MW1-RX-F1/MW1-RX-F2
MW1-RX-F1	790 to 814 MHz
MW1-RX-F2	852 to 876 MHz



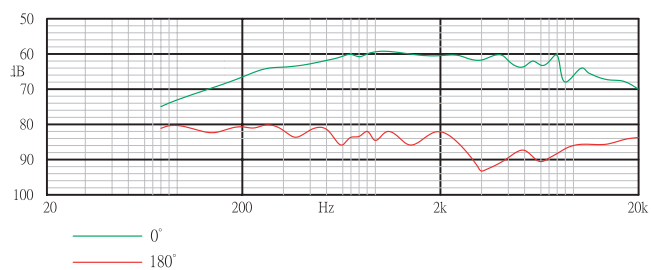
Protective case with wireless, belt-pack and accessories



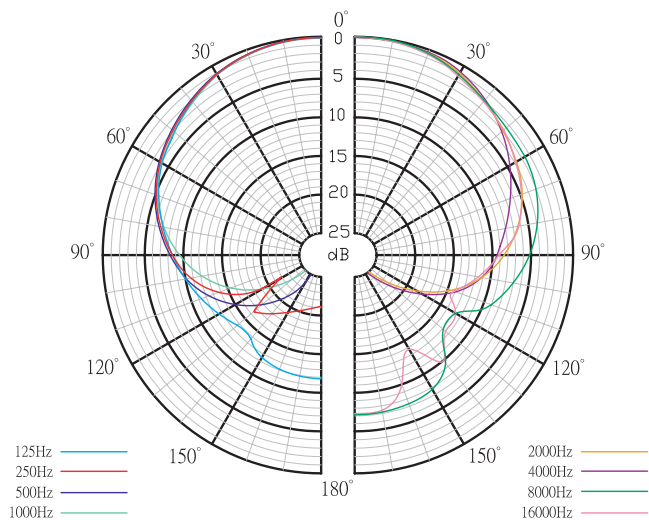
Belt-pack rear view



Lavalier microphone with clip



Frequency response



Polar diagram

Parts Included

Quantity	Components
1	MW1-LTX-F1 Wireless Belt-pack Transmitter or MW1-LTX-F2 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-F1: 790 to 814 MHz MW1-LTX-F2: 852 to 876 MHz
Channels	193 channels in steps of 125 kHz
Frequency stability	$\pm 0.005\%$
Frequency deviation	± 48 kHz
S/N ratio	> 102 dB
RF output	10 mW
Spurious rejection	> 60 dBc
Dynamic range	> 110 dB
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)	105 x 78 x 34 mm without antenna
Color	Charcoal
Weight	176 g
Antenna	Flexible

Lavalier microphone

Dimensions (L x D)	30 x 16 mm
Color	Charcoal
Weight	20 g
Cable length	1 m

Environmental

Operating temperature	-25 °C to +55 °C
Storage temperature	-40 °C to +70 °C
Relative humidity	<95%

Ordering Information

MW1-LTX-F1 UHF Wireless Belt-pack Transmitter	MW1-LTX-F1
frequency range 790 to 814 MHz	

MW1-RX-F1 UHF Wireless Microphone Receiver	MW1-RX-F1
frequency range 790 to 814 MHz	

MW1-LTX-F2 UHF Wireless Belt-pack Transmitter	MW1-LTX-F2
frequency range 852 to 876 MHz	

MW1-RX-F2 UHF Wireless Microphone Receiver	MW1-RX-F2
frequency range 852 to 876 MHz	

Accessories

MW1-HMC Head-worn Microphone	MW1-HMC
miniature condenser microphone with omnidirectional pick-up pattern	

MW1-LMC Lavalier Microphone	MW1-LMC
with clip and windscreen, for use with MW1-LTX-Fx	

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