

MW1-HTX-Fx Wireless Handheld Microphones

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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 MW1-HTX-F1 and MW1-HTX-F2 wireless handheld microphones 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 handheld microphone (MW1-HTX-F1 or MW1-HTX-F2) or a wireless belt-pack transmitter with clip-on lavalier microphone (MW1-LTX-F1 and MW1-LTX-F2). 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.

Functions

Frequencies

The microphones operate in the UHF band providing interference reduction, while the true diversity ensures stable reception. The MW1-HTX-F1 operates in the 790 to 814 MHz frequency band, and the MW1-RX-F2 operates in the 852 to 876 MHz band, each providing 193 selectable frequencies. The country overview lists the recommended type number for each country.

Operation

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

Accessories

The microphones come with a case to protect them from damage. Different color microphone caps are provided for applications, where multiple microphone systems are used simultaneously. The microphones also come with an adapter for microphone stands.

Controls and indicators

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

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

Region	Certification
Europe	CE

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

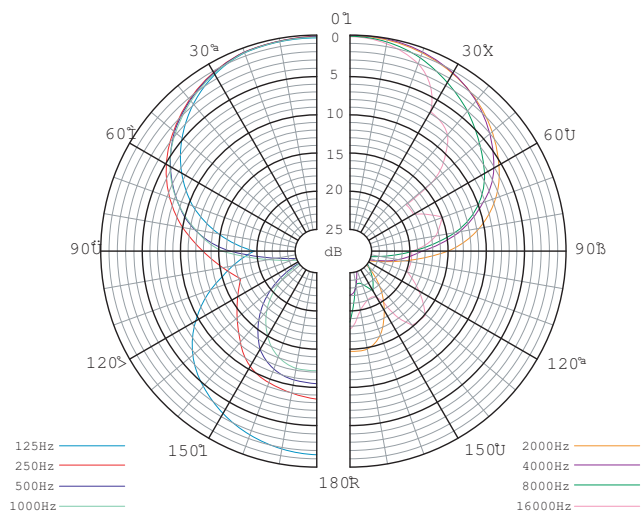
MW1-RX-F1	790 to 814 MHz
MW1-RX-F2	852 to 876 MHz



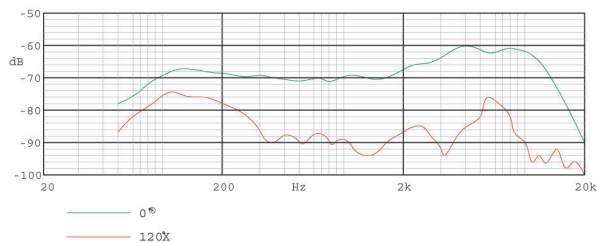
Detail of microphone holder



Protective case with wireless, handheld microphone and accessories



Polar diagram



Frequency response

Parts included

Quantity	Components
1	MW1-HTX-F1 Wireless Handheld Microphone or MW1-HTX-F2 Wireless Handheld Microphone
1	Microphone holder
1	Protective case
2	LR5/AA batteries
6	Color caps

Technical specifications

Electrical

Batteries	2 x LR6/AA/UM3 1.5 V
Battery life time	Approx. 15 hrs
Modulation	FM frequency modulation
Frequency selection	PLL synthesized control
Frequency range	MW1-HTX-F1: 790 to 814 MHz MW1-HTX-F2: 852 to 876 MHz
Channels	193 channels 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
Response	50 Hz ~ 15 kHz

Mechanical

Dimensions (H x W)	260 x 50 mm
Color	Charcoal
Weight	350 g
Antenna	Integrated

Environmental

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

Ordering information

MW1-HTX-F1 UHF Wireless Handheld Microphone
frequency range 790 to 814 MHz
Order number **MW1-HTX-F1**

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

MW1-HTX-F2 UHF Wireless Handheld Microphone
frequency range 852 to 876 MHz
Order number **MW1-HTX-F2**

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

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