

# MW1-RX-Fx Wireless Microphone Receivers

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Invented for life



- ▶ 193 automatically selectable UHF channels
- ▶ PLL synthesized technology
- ▶ Pilot tone & noise squelch
- ▶ True diversity for stable reception
- ▶ Table top and 19" rack mountable

The MW1-RX-F1 and MW1-RX-F2 wireless microphone receiver is part of the Bosch wireless microphone system. The complete system consists of a microphone receiver, a wireless belt-pack transmitter with clip-on lavalier microphone (MW1-LTX-F1 or MW1-LTX-F2) or a wireless handheld transmitter (MW1-HTX-F1 or MW1-HTX-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 churches, restaurants, conference centers, hotels, shops and many other applications.

A dual rack mount kit (MW1-RMB) including, a front panel, and an antenna adapter kit for mounting up to two receivers in a 19" rack are also available.

## Functions

### Frequencies

The receivers operate in the UHF band, providing interference reduction, while 193 available frequencies ensure stable reception. The MW1-RX-F1 operates in the 790 to 814 MHz frequency band, and the MW1-RX-

F2 operates in the 852 to 876 MHz band. The country overview lists the recommended type number for each country.

### Operation

If the microphone is already set to a frequency, the receiver can scan the frequency band and automatically connect to the microphone. A lock function protects the receiver settings, making accidental changes impossible. This feature is also available on the Bosch hand-held microphone and the belt-pack transmitter. The LCD on the receiver shows the selected frequency, the RF and AF signal level, antenna indication and the battery status of the microphone which is used.

The microphone receiver has balanced XLR and unbalanced output for more convenience.

### Controls and indicators

- Frequency up/down buttons
- Menu selection button
- Audio level knob
- LCD with backlight displaying: frequency, antenna A/B, mute status (squelch), RF/AF level, battery level

### Interconnections

- 3-pin XLR male, balanced

- 6.3 mm jack, unbalanced

### 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
Switzerland	MW1-RX-F1
Spain	MW1-RX-F2
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

### Parts included

Quantity	Components
1	MW1-RX-F1 Wireless Microphone Receiver or MW1-RX-F2 Wireless Microphone Receiver
1	User manual
1	1.5 m 3-pin XLR male/female cable
1	AC/DC adapter with power cord

### Technical specifications

#### Electrical

Power source	12 V to 18 V, 500 mA
<b>Performance</b>	
Modulation	FM
Frequency selection	PLL synthesized control
Frequency range	MW1-RX-F1: 790 to 814 MHz MW1-RX-F2: 852 to 876 MHz
Channels	193 channels in steps of 125 kHz
Frequency stability	±0.005%
Technology	True diversity system
S/N ratio	>100 dB
<b>Antenna</b>	
	2 x
Connector	BNC
HF impedance	50 ohm
<b>Output</b>	
	2 x
Connector	XLR-3 male, balanced
Output level	-12 dBV (max)
Output impedance	600 ohm
Connector	6.3 mm jack, unbalanced
Output level	0 dBV (max)
Output impedance	2.2 kohm
Squelch	Pilot tone and noise mute

**Mechanical**

Dimensions (H x W x D)	40 x 211 x 152 mm
Color	Charcoal
Weight	Approx. 1 kg
Antenna length	50 mm ( $\frac{1}{2} \lambda$ )

**Environmental**

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

**Ordering information****MW1-RX-F1 UHF Wireless Microphone Receiver**

frequency range 790 to 814 MHz

Order number **MW1-RX-F1****MW1-HTX-F1 UHF Wireless Handheld Microphone**

frequency range 790 to 814 MHz

Order number **MW1-HTX-F1****MW1-LTX-F1 UHF Wireless Belt-pack Transmitter**

frequency range 790 to 814 MHz

Order number **MW1-LTX-F1****MW1-RX-F2 UHF Wireless Microphone Receiver**

frequency range 852 to 876 MHz

Order number **MW1-RX-F2****MW1-HTX-F2 UHF Wireless Handheld Microphone**

frequency range 852 to 876 MHz

Order number **MW1-HTX-F2****MW1-LTX-F2 UHF Wireless Belt-pack Transmitter**

frequency range 852 to 876 MHz

Order number **MW1-LTX-F2****Accessories****MW1-RMB Dual Rack-mounting Kit**

Dual-rack mounting kit for mounting two receivers side-by-side in a one-unit high rack space. Supplied with two BNC/BNC cables (600 mm) and a front panel with mounting holes for 2 BNC connectors for mounting two antennas.

Order number **MW1-RMB****Represented by:****Americas:**

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