

UHF Wireless Microphone Receivers

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Invented for life



- ▶ 97-193 selectable UHF channels
- ▶ PLL synthesized technology
- ▶ Pilot tone & noise squelch
- ▶ True diversity for stable reception
- ▶ Table top and 19" rack mountable

The MW1-RX-Fx 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-Fx or a wireless handheld transmitter MW1-HTX-Fx. 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 is also available.

Functions

Frequencies

The receivers operate in the UHF band, providing interference reduction, while selectable channels available within the frequency, ensure stable reception. The following frequencies, with selectable channels, are available:

F4: 606-630 MHz
F5: 722-746 MHz
F6: 925-937 MHz

Operation

If the microphone is already set to a selectable frequency channel, 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 an balanced XLR and unbalanced output for more convenience.

Controls and indicators

- Power on/off button
- 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
- DC input

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

Parts included

Quantity	Components
1	MW1-RX-Fx 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
Performance	
Modulation	FM
Frequency selection	PLL synthesized control
Frequency range	MW1-RX-F4: 606 to 630 MHz, MW1-RX-F5: 722 to 746 MHz, MW1-RX-F6: 925 to 937 MHz.
Channels	193 channels (F4 and F5), 97 channels (F6). (in steps of 125 kHz)
Frequency stability	±0.005%
Technology	True diversity system
S/N ratio	>100 dB
Antenna	2 x
Connector	BNC
HF impedance	50 ohm
Output	2 x
Connector	XLR 3-pin 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 (1.57 x 8.30 x 5.98 in)
Color	Charcoal
Weight	Approx. 1 kg (2.20 lb)
Antenna length	50 mm (½ λ)

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-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-HTX-F4 Wireless Handheld Microphone

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

MW1-HTX-F5 Wireless Handheld Microphone

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

MW1-HTX-F6 Wireless Handheld Microphone

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

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**

Accessories

MW1-RMB Dual Rack-mounting Kit

for use with MW1-RX-Fx
Order number **MW1-RMB**

Represented by:

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