

# UHF Wireless Microphone Receivers

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- ▶ 97-193 selectable UHF channels
- ▶ PLL synthesized technology
- ▶ Pilot tone and 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. This system is designed for public address in churches, restaurants, conference centers, hotels, shops and many other applications.

The complete system consists of:

- a microphone receiver (MW1-RX-Fx), supplied with AC/DC power supply and 1.5 m 3-pin male/female XLR cable,
- a wireless belt-pack transmitter with clip-on Lavalier microphone (MW1-LTX-Fx), supplied with clip, protective case, 2 LR5/AA batteries and windscreen,
- or a wireless handheld microphone (MW1-HTX-Fx), supplied with microphone holder, protective case, 2 LR5/AA batteries and 7 color caps.

The products are sold separately to offer optimal flexibility in the composition of a system.

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

**Note:** F4 and F5 are only allowed in all European and EFTA countries.

### 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, which prevents making accidental changes. This feature is also available on the Bosch hand-held microphone and the belt-pack transmitter. The LCD on the receiver shows:

- selected frequency
- RF and AF signal level
- antenna indication
- battery status of the connected microphone

The microphone receiver has a 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	2014/53EU (RED) 2011/65/EU (RoHS) EN 60065:2002 + A1:2006 + A11:2008 + A2:2010 + A12:2011 EN 301 489-1:V2.2.0:2017 EN 301 489-9:V2.1.1:2017 EN 301 422-1:V2.1.2:2017 EN 50581:2012
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Region	Regulatory compliance/quality marks	
Europe	CE	DECL EC MW1-RX-F4
	CE	DECL EC MW1-RX-F5

### 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-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	>105 dB
T.H.D	<0.6% at 1 kHz
<b>Antenna</b>	2 x
Connector	BNC
HF impedance	50 ohm
<b>Output</b>	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 and transport temperature	-40 °C to +70 °C (-40 F to +158 F)
Relative humidity	<95%

### Ordering information

#### MW1-RX-F4 Microphone receiver, 606-630 MHz

UHF wireless microphone receiver, true diversity for stable reception, PLL synthesized technology, table top and 19" rack mountable, supplied with AC/DC adapter with power cord and 1.5 m 3 pin XLR male/female audio cable.

Frequency range: 606-630 MHz, 193 selectable UHF channels.

Order number **MW1-RX-F4**

#### MW1-RX-F5 Microphone receiver, 722-746 MHz

UHF wireless microphone receiver, true diversity for stable reception, PLL synthesized technology, table top and 19" rack mountable.

Frequency range: 722-746 MHz, 193 selectable UHF channels.

Order number **MW1-RX-F5**

#### MW1-RX-F6 Microphone receiver, 925-937 MHz

UHF wireless microphone receiver, true diversity for stable reception, PLL synthesized technology, table top and 19" rack mountable.

Frequency range: 925-937 MHz, 97 selectable UHF channels.

Order number **MW1-RX-F6**

#### MW1-HTX-F4 Microphone with transmitter, 606-630 MHz

UHF wireless handheld microphone transmitter, LCD with battery status and frequency indication, supplied with batteries and storage case.

Frequency range: 606-630 MHz, 193 selectable UHF channels.

Order number **MW1-HTX-F4**

#### **MW1-HTX-F5 Microphone with transmitter, 722-746 MHz**

UHF wireless handheld microphone transmitter, LCD with battery status and frequency indication, supplied with AC/DC adapter with power cord and 1.5 m 3-pin XLR male/female cable.

Frequency range: 722-746 MHz, 193 selectable UHF channels.

Order number **MW1-HTX-F5**

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#### **MW1-HTX-F6 Microphone with transmitter, 925-937 MHz**

UHF wireless handheld microphone transmitter, LCD with battery status and frequency indication, supplied with AC/DC adapter with power cord and 1.5 m 3-pin XLR male/female cable.

Frequency range: 925-937 MHz, 97 selectable UHF channels.

Order number **MW1-HTX-F6**

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#### **MW1-LTX-F4 Belt-pack transmitter, 606-630 MHz**

UHF belt-pack transmitter, LCD with battery status and frequency indication, supplied with clip-on lavalier microphone, batteries and storage case.

Frequency range: 606-630 MHz, 193 selectable UHF channels.

Order number **MW1-LTX-F4**

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#### **MW1-LTX-F5 Belt-pack transmitter, 722-746 MHz**

UHF belt-pack transmitter, LCD with battery status and frequency indication, supplied with clip-on lavalier microphone, batteries and storage case.

Frequency range: 722-746 MHz, 193 selectable UHF channels.

Order number **MW1-LTX-F5**

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#### **MW1-LTX-F6 Belt-pack transmitter, 925-937 MHz**

UHF belt-pack transmitter, LCD with battery status and frequency indication, supplied with clip-on lavalier microphone, batteries and storage case.

Frequency range: 925-937 MHz, 97 selectable UHF channels.

Order number **MW1-LTX-F6**

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#### **Accessories**

##### **MW1-RMB Rack mounting bracket, 19"**

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**

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#### **Represented by:**

**Europe, Middle East, Africa:**  
Bosch Security Systems B.V.  
P.O. Box 80002  
5600 JB Eindhoven, The Netherlands  
Phone: + 31 40 2577 284  
emea.securitysystems@bosch.com  
emea.boschsecurity.com

**Germany:**  
Bosch Sicherheitssysteme GmbH  
Robert-Bosch-Ring 5  
85630 Grasbrunn  
Germany  
www.boschsecurity.com

**North America:**  
Bosch Security Systems, Inc.  
130 Perinton Parkway  
Fairport, New York, 14450, USA  
Phone: +1 800 289 0096  
Fax: +1 585 223 9180  
onlinehelp@us.bosch.com  
www.boschsecurity.us

**Asia-Pacific:**  
Robert Bosch (SEA) Pte Ltd, Security Systems  
11 Bishan Street 21  
Singapore 573943  
Phone: +65 6571 2808  
Fax: +65 6571 2699  
apr.securitysystems@bosch.com  
www.boschsecurity.asia