

Product family



MT 209

MT 209

Ease of operation and a wide variety of functions are combined in this top-of-the-range model with 16-key keypad. A number of different selective call addresses, which can be stored in parameter sets, ensure rapid access i.e. 6 different parameter sets are available for 5-tone. CTCSS can be programmed channel dependent. ABS requirements are of course fulfilled and as a security precaution every subscriber has to identify himself.

- 1 to 8 digit direct call input
- Fixed call key (home call)
- Group call and all-points call key (acc. to ZVEI) (Central Association of the Electrical and Electronics Industry)
- Call I/Call II keys (coder and decoder)
- Priority channel
- PIN -, the personal identity number for protection against misuse



MT 209/FuG 11b

MT 209/FuG 11b

The MT 209/FuG 11 b is the BOS version of the MOVITALK MT 209 in the 2m band and complies with the German Standard for Authorities and Organizations with Safety Duties (TR BOS).

- Multiple channel mode with 117 channels, switchable to few channel mode with 10 channels
- Simplex or semiduplex
- 1-tone signal, I/II call (1750/2135 Hz)
- Metal housing - protection class IP 54



MT 209 EX

Intrinsically safe: Ex versions of the MOVITALK 209

The MOVITALK 209 Ex transceivers have been specially developed for use in areas where there is a danger of explosion. The basic design and function is identical with that of standard devices, but they have the following special features:

- Protection class ATEX Ex ib IIB T4
- Transmission output 1 W
- 1250 mAh nickel metal hydride rechargeable battery, intrinsically safe Eex ib IIB T4

Accessories



Headsets

Sturdy and practical. Tough headsets with or without automatic voice switch (VOX). They comply with the provisions of the Accident Prevention Regulations (UVV) on „Noise“. For connection with coiled flex and plug. Different headsets are available please enquire.



Chest harness

Better safe than sorry. This harness makes sure your handheld is firmly attached in extreme situations, when bending down or when climbing i.e. It fastens to the eyelets of the leather case and prevents your MT209 from swinging when you are moving.

Belt clip (not shown)

All devices are supplied as standard with a belt clip.



Antennas

Choose the right antenna. Flexible rubber antennas in various lengths for the frequency ranges 80/160/460 MHz. TNC standard screw connection (50 Ohm).



Loudspeaker microphone LM 209

Three in one. Small, convenient loudspeaker microphone with voice, call and delete keys. Additional earpiece with loudspeaker switching is included. With clip for comfortable use.



Vehicle Bracket MTX 209

Vehicle bracket with integrated charging circuit for handportable MT209 series. Automatic switching to trickle charging. Over-temperature and low voltage control. Suitable for NiMH or NiCd batteries. Charging of batteries is possible w/o handportable.

Accessories



Charger NL 209/EL 209+

Never objects to overtime! Fast charger with sophisticated power-saving technology for long periods of operation. Includes automatic switching to trickle charging. Red/green LED display for charge functions. Power supply: 230 V TN 209, charge time approx. 1.4 h for NH 1450.

Alternatively: EL 209 standard charger (not shown), standard charging function (constant power charging) according to the 1/10 C procedure. Power supply 230 V EN 209, charge time approx. 14 h

Alternatively: NL 229 simple or NL 269 6-fold speed charger (not shown) with automatic switchover to trickle charging. Red/green LED display for charge function. Integral switching power supply with connecting jack and cable 230V/50Hz. Charge time approx. 1.5 h for NH 1450 (not shown).



Rechargeable battery for NH 1450/NH 1250 Ex

Small but powerful: small, environment-friendly nickel metal hydride rechargeable battery with a run time of up to 11 h (NH 1450). With the NH 1250 Ex (not shown) run time is 8 h (10/10/80).



Leather case

Soft exterior, tough protection. This leather case protects your MOVITALK 209 if it should be knocked or dropped. The case has eyelets for a shoulder strap or a belt loop.



Nylon carrying strap

Easy does it! If you need to carry your MOVITALK on a strap nothing could be easier than this simple strap in combination with the leather case.

	MT 209 MT 209 EX	MT 209/FuG 11b MT 209//FuG 11b EX
4 m version	x	
2 m version	x	x
70 cm version	x	
Channels	50	117/10
Single tone coder	x	x
Single tone decoder	x	
Pilot tone coder	x	
Pilot tone decoder	x	
5-tone coder	x	
5-tone decoder	x	
Fixed call key	x	
DTMF coder	x	
Collective calling coder	x	
Collective calling decoder	x	
Emergency call	x	x
Answer back	x	
Display	8 characters	
Keys	2 + 16	2 + 8
Accessories socket	x	x
Belt clip, removable	x	x
PC programmable	x	x
SCAN mode		
Priority channel	x	
Channel names		(x)
Dimensions (h x w x d) incl. NH 1450	145 x 55 x 32 mm	
Weight incl. NH 1450	480 g	
NiMH rechargeable battery 7.2 V/1450 mAh	x	x
NiMH rechargeable battery 7.2 V/1250 mAh for EX-Versions	x	x

Subject to change without notice

	MT 209 MT 209 EX	MT 209/FuG 11b MT 209//FuG 11b EX
Frequency ranges	68-87,5 MHz 146-174 MHz 440-475 MHz	x x -
Channel spacing	12,5 kHz 20/25 kHz	x -
Ambient temperature		-25°C - 55°C
Storage temperature		-40°C - 70°C
Relative humidity		95% at +35°C
Operating mode		simplex/semiduplex with any distance ratio
Switching bandwidth	68-87,5 MHz 146-174 MHz 440-475 MHz	20 MHz 28 MHz 35 MHz
Tone call	3-8 tone sequence T/E 1-tone call encoder/decoder Pilot tone (CTCSS) encoder/decoder DTMF coder	ZVEI all series, CCIR, EIA, EEA 2 of 6 1.750/2.135 Hz x -
Antenna TNC 50		x
Operating time (approx.)	1 W/NH 1450 10/10/80 5/5/90 1 W/NH 1250 10/10/80 5/5/90	11 h 17 h 8 h 10 h

Intermediate frequency	1st IF: 48,5 MHz; 2nd IF: 455 kHz
Sensitivity	< 0,4 µV for 20 dB SN < 0,25 µV for 12 dB SINAD
Squelch sensitivity	< 0,25 µV
Selectivity	> 70 dB
Blocking	> 90 dB
Intermodulation	> 65 dB
Audio frequency response	Pre-emphasis 6 dB/oct. of 0,3 - 3 kHz, at 1 kHz FM linear
AF Output/ AF distortion factor	0,5 W at 8 Ohm / < 5 %
Signal/noise ratio	> 45 dB at 1 kHz, 70% modulation (>44 dB at 12,5 kHz)

RF output	1W/2.5W for each channel, ind. programmable/ Ex-protection and FuG 11b versions limited to 1W
Audio frequency response	Pre-emphasis 6 dB/oct. 0,3 - 3 kHz, at 1 kHz FM linear
Signal/noise ratio	> 45 dB at 1 kHz, 70% modulation (>44 dB at 12,5 kHz)
Distortion factor	< 5% at 1 kHz, 70% modulation
Harmonics/spurious emissions damping	> 70 dB

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MOVITALK 209

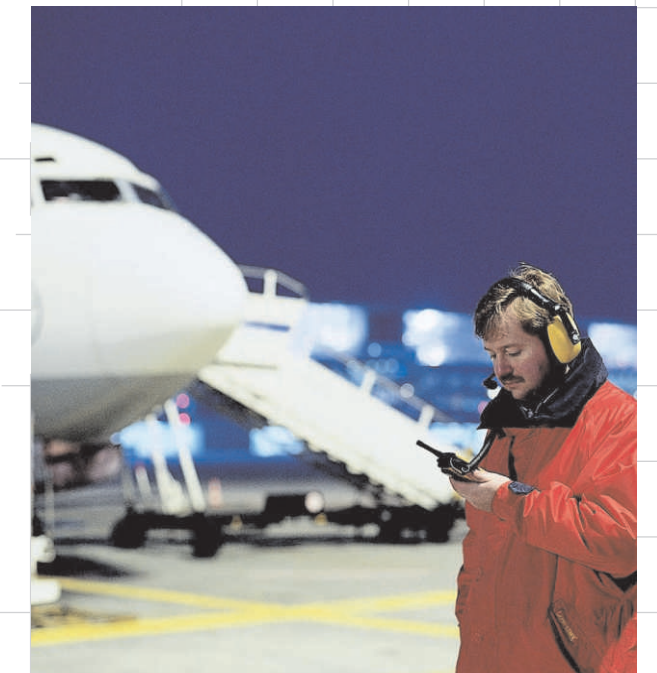
The handheld transceiver range for daily use

- Frequency ranges: 80/160/460 MHz, others on request
- Full switching bandwidths
- Integral man down alarm functions
- Intrinsically safe versions
- All parameters PC programmable

There's a name for handheld transceivers robust enough to withstand even the toughest working conditions - MOVITALK 209.

It's obvious at first glance that these transceivers mean business, their sturdy diecast housing with removable back and front is impact resistant and water and dustproof according to DIN IP 54. No wonder, then, that members of this range have been given an enthusiastic reception not only in production halls and among shipping agents, but also on building sites, in security operations and at airports.

Their technical specifications are equally impressive. All standard parameters are programmable via PC or laptop. An extensive range of special functions and the possibility of linking these to each other make customized solutions possible. For the owner of a MOVITALK 209 this means reliable handling, highly accurate access, fast reactions and a high degree of flexibility.



Movitalk 209

