

## RF1305 - Mobile set for patrol vehicles



PN (RN): 7005.000.02

Set consists of [RF13](#) transceiver, DM13 mobile extension and accessories. The set is intended for quick installment in vehicles, particularly in cars. It provides all operating features of the [RF13](#) portable transceiver. The mobile accessory enables power supply from 27 V or 12 V on-board mains, charging of the battery pack and loud monitoring of the received signal. When installed in other types of vehicles, it is necessary to use a frame with the DM13 accessory. The set may be run outside the vehicle as well, with power supply coming from a rechargeable battery pack. For more details on RF13 transceiver, DM13 mobile extension and other set components see relevant pages of this website.

### Operating features

- RF13 transceiver display backlight with DM13 power supply from on-board mains
- Power supply to RF13 transceiver from DM13
- Indicates connection to on-board mains, indicates starting of loud monitoring
- Charging of RF13.1 battery pack and switching to trickle charging
- Automatic disconnecting of loud monitoring when the RF13 transceiver is switched off
- Transceiver may be run outside the vehicle

### Technical parameters

Frequency range	30.000 MHz to 87.975 MHz
Input impedance	50 $\Omega$
Output impedance	50 $\Omega$
Channel spacing	25 kHz
Number of channels	2320
Channel selection	from transceiver keyboard or handset
Operating modes	simplex or semiduplex telephony or data transmission to 16 kbit/s
Voice encryption	through internal digital scrambler or built-in EU13.1 encryption card
Modulation	FM, max. deviation 5.6 kHz
RF power output	5 W nominal, 0.2 W reduced
Receiver sensitivity	better than 0.5 $\mu$ V at 12 dB SINAD
Effectively transmitted frequencies range	
narrow band	300 Hz to 3400 Hz
wide band	150 Hz to 9000 Hz

Modulation signal level for 4 kHz frequency deviation	
for F3 operation	100 mV
for data	400 mV
AF amplifier output	1 W in loudspeaker with impedance 6 Ω
AF frequency range	300 Hz to 3000 Hz in 6 dB range
Power supply voltage	10 V to 33 V
Maximal current consumption	max. 4.5 A at 12 V power supply voltage max. 2.0 A at 27 V power supply voltage
Charging current	400 mA ± 50 mA
Trickle current	30 mA ± 15 mA
Operating temperature	-30 °C to +60 °C
Set weight	max. 11 kg

## Components

Transceiver	RF13 - (2000.100.04)
Rechargeable battery pack	RF13.1 - (7000.100.02)
Mobile extension	DM13 - (7005.100.02)
Handset with control	RF13.2 - (2022.100.02)
Frame	(7013.100.01)
Power supply cable	(1050.101.01)

## Documentation

RF13 operating instructions	2000.010.02
RF13 brief operating instructions	2000.011.02
DM13 operating instructions	7005.010.02

## Optional accessories

1.88 m VHF vehicle antenna	(2036.100.40)
2.6 m VHF vehicle antenna	(2036.100.23, 2036.100.24)
Handset	RF13.3 - (2022.100.52)
Handset holder	(2026.700.01)
Active loudspeaker box set	RS13 - (2024.000.02)
Fill gun set	PK20 - (2320.000.02)
Accessory for remote control and rebroadcast set	DR13 - (2021.000.02)
Rebroadcast unit set	DR13.2 - (2015.000.02)
Radio modem set (Net)	MD13.1 - (2025.000.61)
Radio modem set (P2P)	MD13.1 - (2025.000.62)
Light fabric cover	(2000.118.01)
Testing device set	KZ13 - (2001.000.02)
Antenna cable (3 m)	(2011.904.01)
Antenna cable (10 m)	(2011.904.02)
RF headsets	

## Optional accessories for use as portable

Short tape antenna 0.5 m AS1301 - (2038.100.01)

Long tape antenna 1.5 m AL13 - (2039.100.01)

Hang-up antenna RF13.8 - (2036.100.11)

Extension cable (6000001104)

Manpack bag (2000.116.01)

Carrying straps (2000.117.01)

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Spare parts set (2000.110.03)