

## RF23M - Mobile set



PN (RN): 7018.000.42

The set is designed for installation in wheeled vehicles with an external antenna on the vehicle body. The set can be powered from the 12 V or 24 V vehicle electrical system. The RF23 transceiver design allows you to connect an external GPS antenna mounted on the vehicle body.

### Basic requirements

#### VEHICLE ANTENNA SET REQUIREMENTS

Frequency range	25 MHz to 146 MHz, recommended 30 MHz to 108 MHz
Nominal impedance	50 $\Omega$
VSWR	max. 3.5
Power load	min. 10 W

#### ANTENNA CABLE REQUIREMENTS

Material	RG_58_C/U-01
Cable length	max. 10 m
RF23 connector	TNC according to MIL-STD-348A
Antenna connector	depending on the antenna connector type

#### GPS ANTENNA CABLE REQUIREMENTS

Material	RG58, LMR-195-FR-W
Cable length	max. 15 m
RF23 connector	SMA according to MIL-STD-348A
Antenna connector	depending on the antenna connector type

#### EXTERNAL GPS ANTENNA REQUIREMENTS

Passive or active	
Supply voltage for the preamplifier	3.3 V

### Components

EPM handheld transceiver RF23 - (2300.100.40)	
Vehicle support	MA1302 - (7018.100.21)
Battery pack	LP1302 - (7029.100.02)
Power supply cable	(1050.125.01)

## Documentation

RF23 operating instructions 2300.010.42  
RF23 short operating instructions 2300.011.42  
MA1302 operating instructions 7018.010.22

## Accessories

Battery pack LP20 - (7029.100.11, 7029.100.13)  
Battery pack LP1302 - (7029.100.02)  
Battery holder PP20 - (7029.100.50)  
Mobile charger set NM1302 - (7028.000.02)  
1.1 m long tape antenna (2036.100.42)  
Satellite navigation antenna GPA24 - (2042.100.50)  
Handset with control RM23 - (2313.100.40)  
Handset holder (2026.700.01)  
Fill gun set PK23 - (2320.000.42)  
Battery pack bag (7020.116.01)  
Battery pack bag extended (6000010039)  
Data cable (USB) (1050.285.01)  
Data cable (RS232C) (1050.285.02)  
CD for modem configuration (2025.500.51)