

RF1325 - Mobile set



PN (RN): 2010.041.61

This mobile set with maximal output power of 25 W can be installed in all wheeled and tracked vehicles. The [RF13](#) transceiver and ZM13.1 amplifier are located on top of each other in a springcushion frame. If the mobile set is designed for installation in wheeled vehicles without artillery or mortar weaponry, or for fixed posts, you may use the lighter, non-cushioned frame 7007.100.01 instead of springcushion frame 7007.100.10. The set can be controlled from one location.

Technical parameters

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| Frequency range | 30.000 MHz to 87.975 MHz |
| Input impedance | 50 Ω |
| Output impedance | 50 Ω |
| Channel spacing | 25 kHz |
| Number of channels | 2320 |
| Channel selection | from transceiver keyboard or handset |
| Operating modes | simplex or semiduplex telephony or data transmission 16 kbit/s |
| Voice encryption | through internal digital scrambler |
| RF power output | 0.2 W reduced, 5 W nominal, 25 W amplified |
| Receiver sensitivity | better than 0.5 μ V at 12 dB SINAD |
| Modulation | FM, max. deviation 5.6 kHz |
| Effectively transmitted frequencies range | |
| narrow band | 300 Hz to 3400 Hz |
| wide band | 150 Hz to 9000 Hz |
| Interface for connection of PC | RS232C |
| Data transmission rate in radio channel | max. 16 kbit/s |
| Modulation for data transmission | GMSK |
| Modulation signal level for 4 kHz frequency deviation | for F3 operation 100 mV for data 430 mV \pm 50 mV |
| AF amplifier output power | 1 W in loudspeaker with impedance 6 Ω |
| AF frequency range | 300 Hz to 3000 Hz in 6 dB range |
| Nominal power supply voltage | 12 V or 27 V |
| Power supply voltage range | 10 V to 33 V |
| Current consumption at reception | 0.8 A/12 V; 0.5 A/24 V |

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|---|---|
| transmission 5 W | 2.6 A/12 V; 1.3 A/24 V |
| transmission 25 W | 10 A/12 V; 5 A/24 V |
| Continuous operation time in +50 °C, 25 W | min. 2 hours |
| Operating temperature range | -30 °C to +60 °C |
| Dimensions including frame (7007.100.20) | W 428 mm x H 224 mm x D 165 mm |
| Set weight including frame (7007.100.20) | max. 15 kg |
| Note | Customer can order modems in ZM13.1 power amplifier in Net or P2P configuration |

Components

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|----------------------------|------------------------|
| Transceiver | RF13 - (2000.100.04) |
| Power amplifier 25 W (Net) | ZM13.1 - (2010.100.53) |
| Frame | (7007.100.20) |
| AF cable | (2010.901.01) |
| RF cable | (2010.900.01) |
| Grounding | (1050.993.04) |
| Grounding | (1050.993.02) |
| Connector nut | (2000.475.01) |
| CD for modem configuration | (2025.500.51) |

Documentation

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|--|-------------|
| RF13 operating instructions | 2000.010.02 |
| RF13 brief operating instructions | 2000.011.02 |
| RF1350/RF1325 operating instructions | 2011.010.02 |
| RF1350/RF1325 brief operating instructions | 2011.011.02 |

Accessories

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|-----------------------------------|----------------------------|
| Mobile charger | NM13 - (7004.000.02) |
| Mobile quick charger set | RM13 - (7014.000.02) |
| 2.6 m VHF vehicle antenna | (2036.100.23, 2036.100.24) |
| 1.88 m VHF vehicle antenna | (2036.100.40) |
| Groundplane antenna | (2036.100.38) |
| Discon antenna | (2036.100.68) |
| Telescopic winch driven mast 10 m | (2036.100.70) |
| Antenna mast | (2036.100.39) |
| Handset with control | RF13.2 - (2022.100.02) |
| 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) |
| Testing device set | KZ13 - (2001.000.02) |
| Attenuator 10 dB | UC13 - (2029.100.01) |
| Power supply cable 1.5 m | (2010.902.02) |
| Power supply cable 3 m | (2010.902.01) |
| Antenna cable (3 m) | (2011.904.01) |
| Antenna cable (10 m) | (2011.904.02) |

Data cable (1050.271.01)
RF headsets

Accessories for use as portable

Rechargeable battery pack RF13.1 - (7000.100.02)
Long tape antenna 1.5 m AL13 - (2039.100.01)
Long-wire antenna PD13 - (2036.100.10)
Light fabric cover (2000.118.01)
Carrying straps (2000.117.01)

Other sets

Mobile set RF1325 - (2010.041.71)
Mobile set RF1325 - (2010.041.72)