

# RF1350 - Mobile set

Type designation: **RF1350**

PN (RN): **2011.041.61**

This mobile set with maximal output power of 50 W can be installed in all wheeled and tracked vehicles. The RF13 transceiver and ZV13.1 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

<b>Frequency range</b>	30.000 MHz to 87.975 MHz
<b>Input impedance</b>	50 $\Omega$
<b>Output impedance</b>	50 $\Omega$
<b>Channel spacing</b>	25 kHz
<b>Number of channels</b>	2320
<b>Channel selection</b>	from transceiver keyboard or handset
<b>Operating modes</b>	simplex or semiduplex telephony or data transmission 16 kbit/s
<b>Voice encryption</b>	through internal digital scrambler
<b>RF power output</b>	0.2 W reduced, 5 W nominal, 50 W amplified
<b>Receiver sensitivity</b>	better than 0.5 $\mu$ V at 12 dB SINAD
<b>Effectively transmitted frequencies range</b>	
<b>narrow band</b>	300 Hz to 3400 Hz
<b>wide band</b>	150 Hz to 9000 Hz
<b>Interface for connection of PC</b>	RS232C
<b>Data transmission rate in radio channel</b>	max. 16 kbit/s
<b>Modulation for data transmission</b>	GMSK

<b>Modulation signal level for 4 kHz frequency deviation</b>	for F3 operation 100 mV
	for data 430 mV ± 50 mV
<b>AF amplifier output power</b>	1 W in loudspeaker with impedance 6 Ω
<b>AF frequency range</b>	300 Hz to 3000 Hz in 6 dB range
<b>Nominal power supply voltage</b>	27 V
<b>Power supply voltage range</b>	18 V to 33 V
<b>Current consumption at reception</b>	0.5 A/27 V
<b>transmission 5 W</b>	1.3 A/27 V
<b>transmission 50 W</b>	8 A/27 V
<b>Continuous operation time in +50 °C</b>	min. 30 minutes
<b>Operating temperature range</b>	-30 °C to +60 °C
<b>Dimensions including frame (7007.100.20)</b>	W 428 mm x H 224 mm x D 165 mm
<b>Set weight including frame (7007.100.20)</b>	max. 15 kg
<b>Note:</b>	Customer can order modem in ZV13.1 power amplifier in Net or P2P configuration.

## Documentation

<b>RF13 operating instructions</b>	2000.010.02
<b>RF13 brief operating instructions</b>	2000.011.02
<b>RF1350 operating instructions</b>	2011.010.02
<b>RF1350 brief operating instructions</b>	2011.011.02

## Set

<b>Type designation</b>	<b>PN (RN)</b>	<b>Name</b>
RF1350	2011.041.71	Mobile set

## Components

Type designation	PN (RN)	Name
RF13	2000.100.04	Transceiver
ZV13.1	2011.100.53	Power amplifier 50 W (Net)
	7007.100.10	Frame
	2010.901.01	AF cable
	2010.900.01	RF cable
	1050.993.01	Grounding
	1050.993.04	Grounding
	2000.475.01	Connector nut
	2025.500.51	CD for modem configuration

## Accessories

Type designation	PN (RN)	Name
NM13	7004.000.02	Mobile charger
RM13	7014.000.02	Mobile quick charger set
	2036.100.23, 2036.100.24	2.6 m VHF vehicle antenna
	2036.100.40	1.88 m VHF vehicle antenna
	2036.100.38	Groundplane antenna
	2036.100.68	Discon antenna
	2036.100.70	Telescopic winch driven mast 10 m
	2036.100.39	Antenna mast
RF13.2	2022.100.02	Handset with control
RF13.3	2022.100.52	Handset

	2026.700.01	Handset holder
PK20	2320.000.02	Fill gun set
UC13	2029.100.01	Attenuator 10 dB
	2010.902.02	Power supply cable 1.5 m
	2010.902.01	Power supply cable 3 m
	2011.904.01	Antenna cable (3 m)
	2011.904.02	Antenna cable (10 m)
	1050.271.01	Data cable
	1050.350.01	Data cable (RS232C)
		RF headsets
RF13.1	7000.100.02	Rechargeable battery pack
AL13	2039.100.01	Long tape antenna 1.5 m
PD13	2036.100.10	Long-wire antenna
	2000.118.01	Light fabric cover
	2000.117.01	Carrying straps