

# AT RF1305 VHF Mobile Package for Patrol Vehicles

## AT RF1305 VHF Mobile Package for Patrol Vehicles



Set consists of AT RF13 transceiver, AT DM13 mobile extension and accessories. The set is intended for quick installment in vehicles, particularly in cars. It provides all operating features of the AT 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 AT DM13 accessory. The set may be run outside the vehicle as well, with power supply coming from a rechargeable battery pack.

### Operating features

- ✓ AT RF13 transceiver display backlight with ATDM13 power supply from on-board mains
- ✓ Power supply to AT RF13 transceiver from AT DM13
- ✓ Indicates connection to on-board mains, indicates starting of loud monitoring
- ✓ Charging of ATRF13.1 battery pack and switching to trickle charging
- ✓ Automatic disconnecting of loud monitoring when the AT 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 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 or built-in EU13.1 encryption card
Modulation	FM, max. deviation 5.6 kHz
RF power output	0.2 W reduced, 5 W nominal
Receiver sensitivity	better than 0.5 $\mu$ V at 12 dB SINAD
Effectively transmitted frequencies range	
for F3 operation	300 Hz to 3400 Hz
for data	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 power	1 W in loudspeaker with impedance 6 $\Omega$
AF frequency range	300 Hz to 3000 Hz in 6 dB range
Power supply voltage range	10V 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 $\pm$ 50 mA
Trickle current	30 mA $\pm$ 15 mA
Operating temperature range	-30 $^{\circ}$ C to +60 $^{\circ}$ C
Set weight	max. 11 kg

AT Communication ©

## Components

- Transceiver AT RF13
- Rechargeable battery pack AT RF13.1
- Mobile extension AT DM13
- Handset with control AT RF13.2
- Frame
- Power supply cable

## Optional accessories

- Vehicle whip antenna MO13.50
- Vehicle whip antenna with magnetic holder MO13.51
- Vehicle antenna VHF 2.6 m
- Handset RF13.3

- ✓ Handset holder
- ✓ Active loudspeaker box set RS13
- ✓ Fill gun set PK20
- ✓ Accessory for remote control and rebroadcast set DR13
- ✓ Rebroadcast unit set DR13.2
- ✓ Radio modem set (Net) MD13.1
- ✓ Radio modem set (P2P) MD13.1
- ✓ Control interface set CI13
- ✓ Light fabric cover
- ✓ Testing device set KZ13
- ✓ Radiotelephone dialler set TD13
- ✓ Antenna cable (3 m)
- ✓ Antenna cable (10 m)
- ✓ RF headsets
- ✓ HS headsets

#### **Optional accessories for use as portable**

- ✓ Short tape antenna 0.5 m AS1301
- ✓ Long tape antenna 1.5 m AL13
- ✓ Hang-up antenna AT RF13.8
- ✓ Extension cable
- ✓ Manpack bag
- ✓ Carrying straps
- ✓ Carrying straps
- ✓ Spare parts set

#### **AT RF1305 VHF Mobile Package for Patrol Vehicles**