

PR20V - Vehicular radio



PN (RN): 2349.100.21

PR20V vehicular radio for voice and data transmission in 2.4 GHz range. It is similar to PR20 personal role radio, with which it is fully compatible in all operation modes. It is designed for fixed installation in all types of military vehicles.

Operating features

- duplex voice communication in a group of up to 30 users,
- semi-duplex voice communication without users limitation,
- up to four users may speak simultaneously,
- communication in another network (via a transceiver connected to the other network),
- wireless PTT-keying using the VOX feature (in PR20 network),
- USB data interface (data expander available),
- simple operation,
- 8 presets,
- volume regulation in three steps.

Technical parameters

Frequency range	2400.0 MHz to 2483.5 MHz
Modulation type	OFDM, frequency and time hopping
Number of channels	8 (optional 256)
Number of presets	8
Duplex data transmission simultaneously with voice	16 kbit/s
Transmission power	max. 100 mW EIRP
Receiver noise number	max. 4 dB
Non-linear distortion factor	max. 10 %
Audio band	300 Hz to 3000 Hz
Nominal supply voltage	28 V
Limit supply voltage	min. 8 V max. 35 V
Transceiver power consumption	
12 V	max. 0.12 A
28 V	max. 0.09 A
Operating temperature	-30 °C to +50 °C

Storing temperature	-40 °C to +70 °C
Maximum transceiver dimensions	W 157 mm x H 56 mm x D 94 mm
Transceiver weight	max. 1 kg
Immersion	1 m

Set

Vehicular radio set PR20V - (2349.000.22)

Documentation

PR20V operating instructions 2349.010.22

Accessories

Vehicle antenna 2.4 GHz	(2036.100.33)
Headset	HS200.5 - (2327.100.05)
Antenna cable	(1050.430.30)
Power supply and AF cable	(1050.587.02)
Vehicle antenna 2.4 GHz 0.8 m	(2036.100.81)
Dual vehicle antenna 2.4 GHz 0.9 m	(2036.100.82)
Radio data expander	RDE20 - (2360.100.01)
Antenna cable	(1050.436.xx*)
Antenna cable	(1050.430.xx*)
Data cable with CD	(1050.297.01)
PROCON configuration program with cable	(2350.600.01)