

MOBILE ADAPTER TYPE RKP-8100AM-B

RKP-8100-AM-B



- extending the possibilities of the use of the manpack transceiver type RKP-8100 of transportation
- operating frequency range: 1.5MHz-512MHz
- intuitional usage

The mobile adapter type RKP-8100AM-B was designed for extending the possibilities of the manpack transceiver RKP-8100 of transportation usage. The whole transceiver system was integrated in one device and the maximal power was increased up to 150W in KF connection range and 50W in UKF connection range.

The adapter construction allows fast mounting of the transceiver on vehicles, as well as intuitional handling. Additionally the device increases its communication reliability in conditions of strong collocations through applying additional narrowband filtering systems. The filters cover the whole KF and as well as selected UKF frequency ranges (30MHz – 88MHz and 225MHz – 400MHz), where they can operate in frequency hopping mode.



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TECHNOLOGIES UNDER CONTROL



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GENERAL PARAMETERS

Operating frequency range:	1.5MHz – 512MHz
Output power (@ 50Ω):	1.5MHz – 29.999MHz: 150W PEP 30MHz – 512MHz: 50W PEP
Supply voltage:	Nominally 28V DC (ability to work with direct power supply from the boarding line 22V – 32V)
Harmonic amplifiers level:	1.5MHz – 29.999MHz: -45dBc 30MHz – 512MHz: -50dBc

PHYSICAL PARAMETERS

Width:	293 mm
Depth:	426 mm
Height:	216 mm
Weight:	approx. 20 kg (with the RKP-8100 transceiver)
Colour:	RAL6022

ENVIRONMENTAL PARAMETERS

Environmental directives:	N.8
Operational temperature:	-40°C – +55°C
Tightness:	Up to 1m depth (IP-67) – excluding the ventilator

USER'S INTERFACE

Audio:	Built-in 2W speaker (possibility of disabling)
Control:	Ethernet, RS-232
Antenna connectors:	HF ANT: 50 Ω type N UHF ANT: 50 Ω type N