

UMK-19

Vehicle intercom system

UMK-19 is a system designed for cross-communication between crew members, operating from within vehicles or positions with high noise levels. Communication is established using a special analog interface connecting superior and subordinate command levels, enabling a direct link for tactical radios and other wireless devices. The system consists of a central control unit, which controls the entire communication network, and crew units, enabling each member to connect with the commander.

Technical characteristics:

• Transfer type	duplex
• Interface type	RS 485
• Transfer speed	64 kb/s
• Transfer signal type	Analogue audio, Commands
• Output signal level	± 5 m
• Input sensitivity	$\pm 0,5$ V

Headset interface

• Microphone impedance	1600 Ω
• Input signal	max. 15-100 mV
• Headset impedance	150 Ω
• Output signal	max. 80 mW
• Command PTT	0-5 V, TTL, active low
• Microphone polarisation	10 VDC

Exploitation conditions

• Power supply	9-36 VDC
• Control unit power consumption	6 W
• Control unit dimensions	220x120x70 mm
• Control unit weight	4.0 kg
• Crew unit dimensions	120x120x70 mm
• Crew unit weight	1.5 kg
• Operating temperature range	-25°C to +55°C

