



R-168-5UTE

The R-168-5UTE VHF vehicle radio set is intended to provide communications in regiment-battalion-company level command and control networks.

Types of operation:

- FM telephony;
- FM telephony with voice encryption;
- data transfer.

Operation modes:

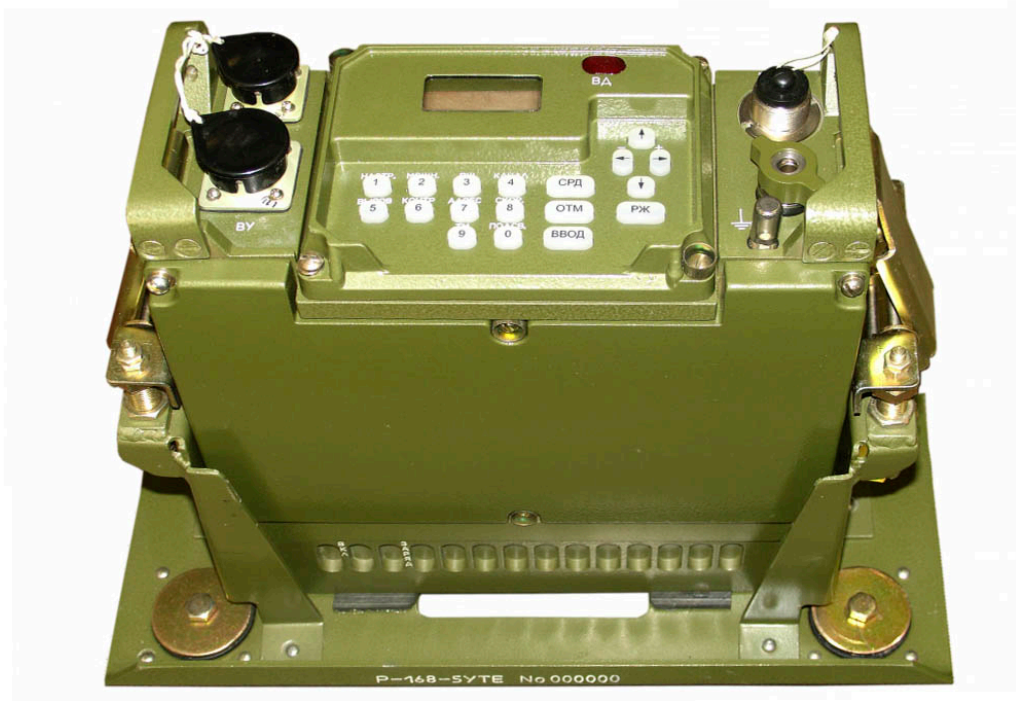
- fixed frequency (single-frequency simplex, dual-frequency simplex);
- frequency hopping (FH) (single-frequency simplex);
- adaptive communication (single-frequency simplex, dual-frequency simplex);
- scan receiving at 8 preset frequencies;
- noise suppression;
- retransmission;
- manual or automated radio data recording from a radio data input device (via an optical interface) or external computer;
- emergency radio data erasure;
- reception/transmission of conference, address and tone calls;
- operation at 8 preset frequencies;
- economic receiving;
- remote control from a telephone;
- operation control from an external computer via the RS-232C interface;
- voice informer of the operator's actions;
- dialog mode;
- automated built-in testing.

Main characteristics:

- Frequency range, MHz: 30,0...107,975
- Frequency spacing, kHz: 25
- Frequency hopping in FH mode, hops/s: 100
- Number of frequencies used in FH mode: ± 256
- Information transfer rate, kbps:
 - voice: 16
 - data: 1,2...16
- Frequency fluctuation: $\pm 1 \times 10^{-6}$
- Transmitter output power, W: 0,25; 2,0; 8,0
- Receiver sensitivity, μV : 0,8
- Spurious channels attenuation, dB: 80
- Communication range (TShDA antenna), km:



- analog information (at fixed frequencies in all operation modes): ± 12
- digital information (in all operation modes): ± 10
- Transceiver dimensions, mm:
 - without dampers: 210x95x175
 - with dampers: 394x213x241
- Transmitter harmonics attenuation, dB: 40
- Working set weight, kg: 20,5
- Operating temperature range, 0C: -40 to +55



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