



## "Barnaul-T"

### Effective automated system of air defence units control at the tactical level

The modular system of the "Barnaul-T" basic set provides formation of a multi-level automated system of AD control posts from a large unit to an individual soldier in order to control air defence combat.

The "Barnaul-T" automation set can be interfaced with radars, high-level command posts, short-range AD system control posts. It provides firing units with well-timed target designations when in combat.

The "Barnaul-T" completes the key missions:

- ▶ reconnaissance of low-flying air targets in the weapons engagement zone;
- ▶ collecting (receiving) information on the air situation from the interfaced information sources;
- ▶ processing of data from all sources and targets tracking;
- ▶ reception of battle and warning commands from high-level CPs;
- ▶ target distribution at each control level and sending target designation commands to subordinates;
- ▶ registration of reports on the engagement process;
- ▶ functional check of hardware operability.

The elements of the "Barnaul-T" basic set are used to equip:

- ▶ the air defence control centre at the formation (division, brigade) level - the wheeled planning module (MP-K) 9S931-1;
- ▶ the command post of air defence units at the regiment level - MP-K 9S931-1 and the tracked planning module 9S931;
- ▶ the command post of the air defence battalion - MP 9S931;
- ▶ the battalion commander's post - the tracked intelligence and control module with a radar 1L122-1 9S932-1;
- ▶ the control centre of the MANPADS operators platoon commander – the Portable Fire Control Module 9S933;
- ▶ the MANPADS operators section - the MANPADS Operators Automation Set 9S935.

Find out more about the "Barnaul-T" basic set. т.+7(495) 534 61 83

Main characteristics:



- Number of the interfaced objects (CP, CC, radar, combat vehicle) during information and technical interaction:
  - At the formation CC level:
    - with higher CPs: up to 2
    - with subordinate CPs: up to 6
    - with sources of radar information (RI): up to 3
    - with interacting CPs : up to 3
  - At the regiment CP level:
    - with higher CPs : 1
    - with subordinate CPs : up to 6
    - with sources of radar information (RI): up to 5
    - with interacting CPs : up to 6
  - At air defence battalion CP level: :
    - with high-level CPs : up to 2
    - with subordinate CPs : up to 3
    - with RI sources : up to 3
    - with interacting CPs : up to 4
  - At the BCP level:
    - with high-level CPs : up to 2
    - with subordinate CCs, CVs: up to 6
    - with RI sources : up to 2
    - with interacting CPs : up to 2
- Number of air object routes tracked simultaneously (MP-K 9S931-1, MP 9S931 и MRU-B 9C932-1): at least 80
- Cycle of automatic solution of tasks of processing information and fire control: not more than 1 s
- Continuous operation time: 72 h
- Deployment time: 7 min
- Maximum speed: up to 60 km/h
- Average speed when moving on natural roads: 25-35 km/h



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