

ABS-1

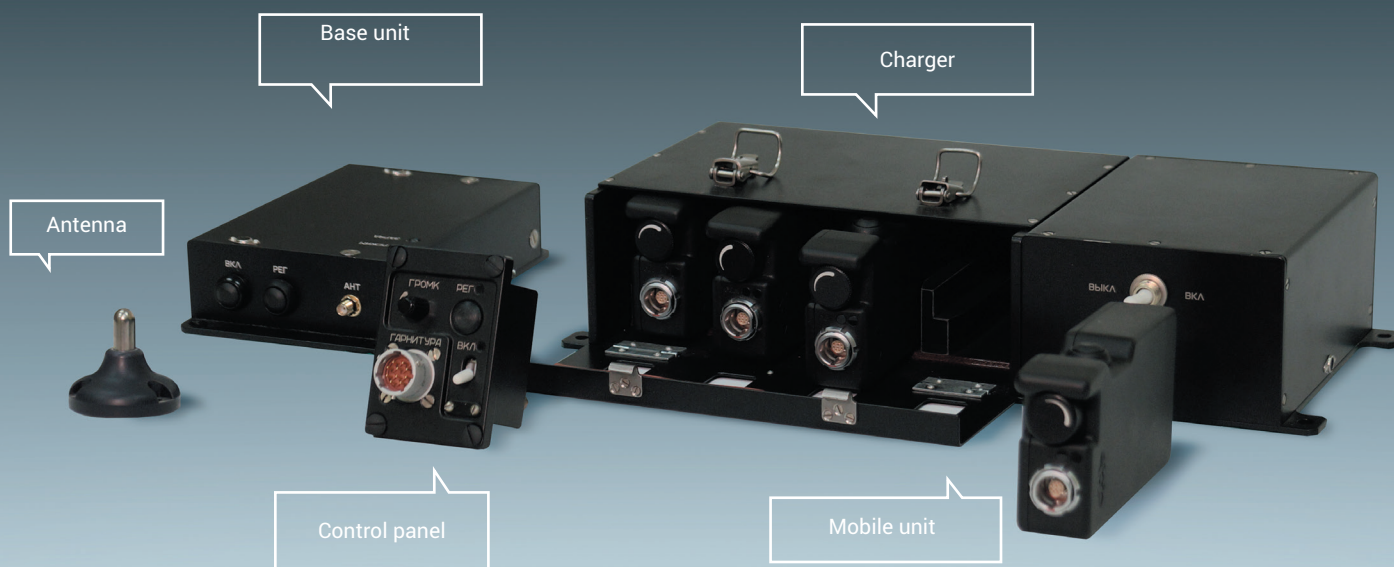
Wireless intercom system

ABS-1 is a digital full duplex wireless audio intercom system, which provides radio communications among the ground personnel, members of the rescue party, medical personnel, VIP passengers and ensures communication with crew.



RESEARCH & PRODUCTION
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PRIMA



ABS-1 operating characteristics:

- Up to 4 users (optional up to 8)
- Full duplex communications
- Audio conference
- High digital quality of voice
- completely digital and ensures «hands free» operation
- different types of com helmets and headsets can be connected

ABS-1 can be useful during the following operations:

- aircraft maintenance (for ground maintenance personnel);
- Adjustment and calibration on the aircraft
- Aircraft loading and unloading;
- Coordination of the pilot's actions:
 - from the load carriage during rescue operations;
 - From the ground during mounting operations;
 - During helicopter take off/landing on the deck;
 - During aircraft towing on the airfield.



Specifications:

Parameter	Value
Radio	
Frequency range, GHz	1,88 – 1,90
Output power, mW (average)	10
Range depending on the landscape,m	up to 150
Base unit interface	
Interfacing with different types of intercom systems (S1-Tch interface)	*
Mobile unit interface	
Adapted for different types of headsets	*
AUTONOMOUS OPERATION	
Base unit	8h 27V, 2h autonomous operation
Mobile unit	8h
Power	aircraft mains 27V/ Li-Ion accumulators
Dimensions and weight in MACCA	
Base unit, 1 pcs	45 / 115 / 180 mm; 0,9 kg
Mobile unit, 4 pcs	40 / 70 / 130 mm; 0,3 kg
Control panel, 1 pcs.	55 / 80 / 90 mm; 0,25 kg
Antenna, 1 pcs	54,5 / 48 / 48 mm; 0,1 kg
Charger, 1 pcs.	360 / 90 / 190 mm; 2,5 kg
Operating conditions	
operating temperature, °C	- 45°C + 60°C
water resistance level	IP66
low air pressure, kPa (Hg mm)	up to 60 (450)
relative air humidity, %	up to 100 at 35° C

