

DICOM® RF2305 / DICOM® RF2320 Manpack radio

The RF2305 / RF2320 is a manpack radio for communication at tactical command level. Both of the two sets are based on the RF23 handheld radio.

Compared to the handheld radio, the range of the manpack is increased by improving the antenna and antenna counterweight. The counterpoise consists of a conductive chassis with an antenna connector sewn into the vest, which also serves as a mechanical fixture designated for the whip antenna. The vest takes advantage of the MOLLE system, to which separate bags for each of the individual components of the set are attached. To additionally improve the range, the 20 W amplifier has been used in the RF2320 version.

- Range of up to 20 km
- Voice & data encryption
- Frequency hopping
- AES based TRANSEC/COMSEC
- IP data
- Position reporting system
- Repeater supported



- increases the range up to 15 km (RF2305) or 20 km (RF2320)
- maintains the complete RF23 radio functionality
- wide range of RF23 accessories supported
- easy to operate and handle
- easy to customize by additional components in MOLLE based bags, such as spare batteries, hang-up antenna, short-whip antenna, etc.



RF2305 set

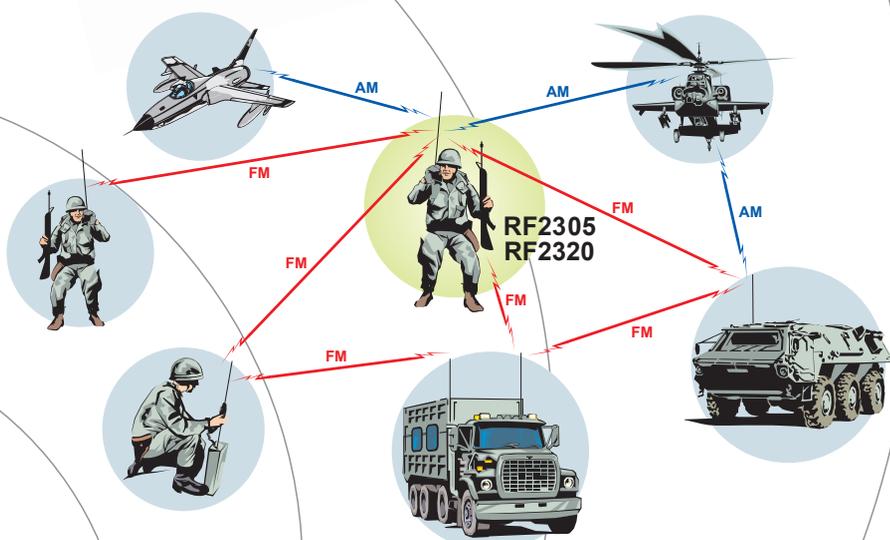


- vest with a conductive plate and the antenna connector
- RF23 radio
- 2.45 m antenna
- battery
- handset with control
- set of connecting cables

RF2320 set



- vest with a conductive plate and the antenna connector
- RF23 radio
- 2.45 m antenna
- RF amplifier
- battery
- voltage converter
- handset with control
- set of connecting cables



Technical parameters RF2305/RF2320

Frequency range	25 MHz to 146 MHz	
Modulation type	FM, AM	
Transmission power	RF2305	up to 5 W (1 W AM)
	RF2320	up to 20 W (8 W AM)
Battery life (1 : 1 : 10)	RF2305	up to 26 hours
	RF2320	up to 16 hours
Environmental parameters and dimensions		
Temperature range	-30 °C to +60 °C	
Immersion	1 m	
Environmental specification	according to MIL-STD-810E	
EMC	according to MIL-STD-461E	
Dimensions [w x h x d]	RF2305	280 mm x 350 mm x 75 mm
	RF2320	280 mm x 400 mm x 75 mm
Weight	RF2305	3,5 kg
	RF2320	5,7 kg