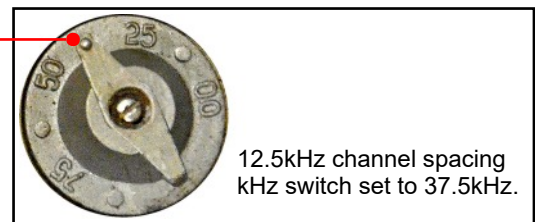




R-33M

Country of origin:
Bulgaria



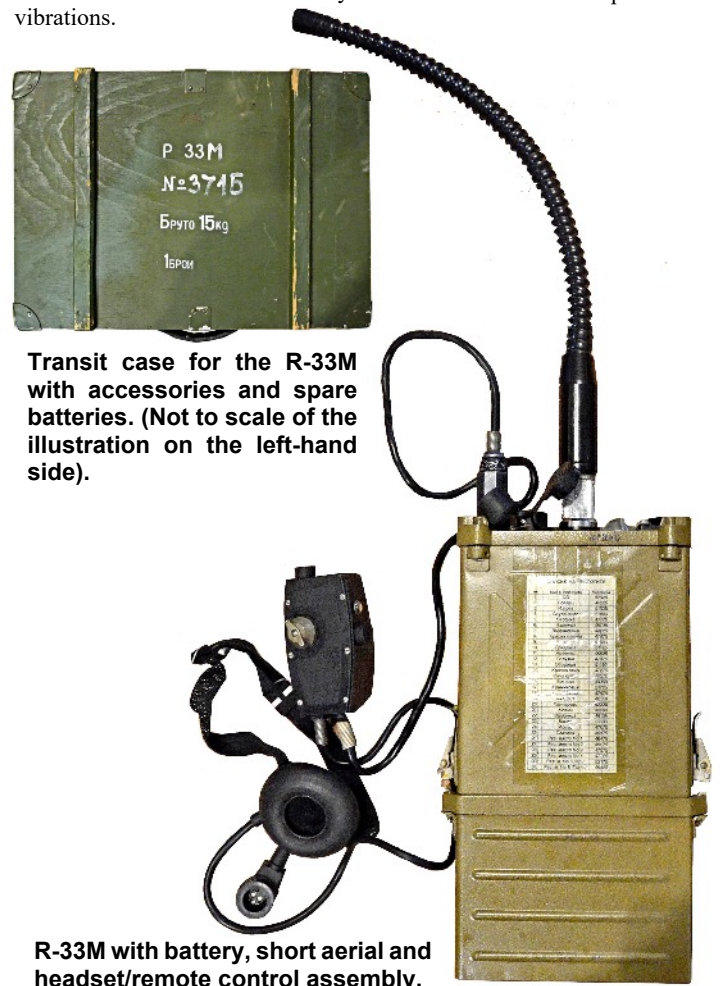
12.5kHz channel spacing
kHz switch set to 37.5kHz.

DATA SUMMARY

Design/Manufacturer: Bulgaria.
Year of introduction: R-33M: 1990. (R-33: 1980).
Purpose: Special forces, Spetznaz, reconnaissance.
Transmitter/receiver:
Frequency coverage: 30-79.9875MHz. FM voice/data.
Channel spacing: 12.5kHz. (R-33 25kHz).
Receiver sensitivity: 1µV.
Transmitter RF output: 0.1W/2W.
Specified minimum range: 7km.
Power Supply: Rechargeable 12V battery.
Operation time: >7h at 5:1 rx/tx ratio.
Size (cm): Height 30, Length 18.5, Width 7.5.
Weight: Set with battery, 4kg. Set in transit case, 15kg.
Accessories: Cheek microphone with single headphone and remote control assembly, spare batteries, Kulikov aerial, short aerial, user handbook, canvas carrying bag.

Remarks

The R-33M was a VHF-FM simplex man pack transmitter receiver produced in Bulgaria as a replacement for the R-392 in the Warsaw Pact states (See WfW Vol. 4, Supplement 198, for details of the R-392). It was a follow-up of the earlier R-33. The radio was designed to operate in different climatic conditions without its electric parameters being affected. R-33M was hermetically sealed and resistant to impacts and vibrations.



Transit case for the R-33M with accessories and spare batteries. (Not to scale of the illustration on the left-hand side).

R-33M with battery, short aerial and headset/remote control assembly.



R-33M with accessories packed in its wooden transit case.

Acknowledgements:

- Many thanks to Jan Bednár who provided technical information of the R-33M, a recent addition to his collection. He also took the excellent photographs in this chapter.

Other sources:

- Information retrieved from various Internet newsgroups.
- <https://www.youtube.com/watch?v=aTfHRb2717g>
- <http://www.wftw.nl/supplement.html> (Supplement 198).