



An overview of all currently known Russian covert VHF FM radios is provided in Appendix 3.

Orange-2

Country of origin:
Russia

REMARKS

Orange-2 (Russian: Апельсин-2 = Apelsin-2) was a fully transistorised body wearable covert VHF FM transmitter-receiver intended for the exchange of pre arranged status messages. A coded message could be read on a small 3 digit led display disguised as a wrist watch.



Close up view of status message led display disguised as wrist watch.

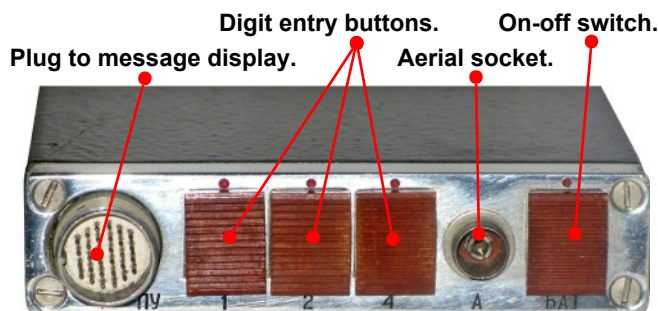
DATA SUMMARY

Organisation: Believed KGB.
Design/Manufacturer: Russia.
Year of Introduction: 1978.
Purpose: Covert surveillance operations/observations.
Transmitter-Receiver: No details known, probably VHF FM, operating in the 148-150MHz band. Single channel.
Power Supply: Rechargeable battery.
Accessories: Flexible wire aerial, battery, digital led display disguised as wrist watch.

Note serial number, organisation-group, and channel number engraved in the bottom.
 (N 1291 C17-3/45;
 See Appendix 3 for more details)



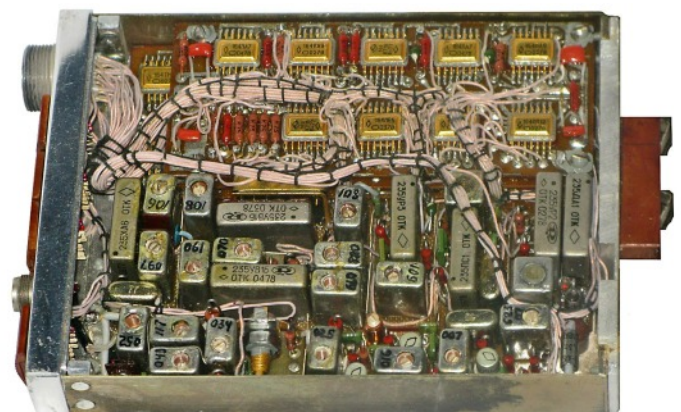
Bottom view of Orange-2 showing battery contacts, battery and battery retaining clip.



Front panel view with multi contact plug to status message display, digit entry buttons, aerial socket and on/off switch.

References:

Photos were derived from Internet sources for which confirmation of the source not was received or acknowledged when this chapter was published.



Internal view of Orange-2. Note two rows of digital IC's.