



RR-49
Country of origin:
USA

This Supplement chapter is a follow up and should be read in conjunction with the 'RS-49' section in the 'USA' chapter of WftW Volume 4 for more detailed information, a picture of the associated transmitter and a circuit diagram.

DATA SUMMARY

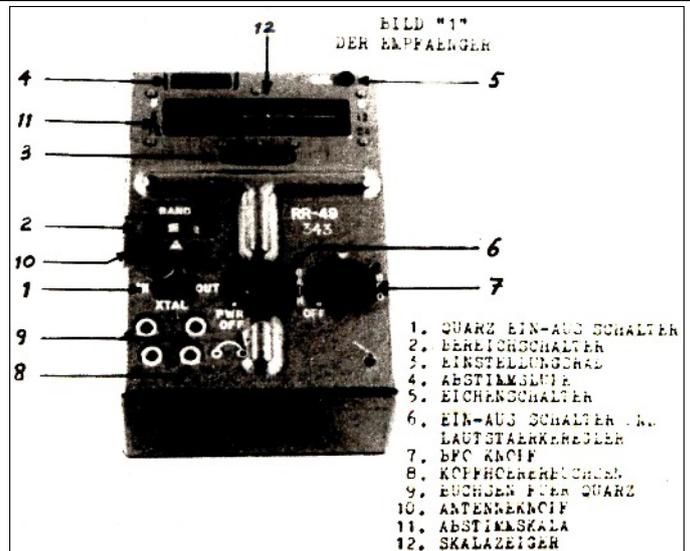
Organisation: Central Intelligence Agency. (Germany W)
Design/Manufacturer: Collins and Delco Electronics.
Year of Introduction: About 1965.
Purpose: Agents.
Receiver: Fully transistorised superheterodyne.
Circuit features: RF, mixer, LO (variable or crystal controlled), IF, Collins IF filter, detector, BFO, AF, 1 MHz crystal calibrator. AM R/T and CW.
Frequency coverage: 3-6MHz (white), 6-12MHz (red), 12-24MHz (green).
Intermediate Frequency: 455kHz.
Transmitter: RT-49, see Chapter 146.
Power Supply: 9V internal battery or external 12V DC.
Size (cm): Height 4, Length 10, Width 7.1, weight 370g.
Accessories: Earphone, auxiliary power cable, wire aerial.

REMARKS

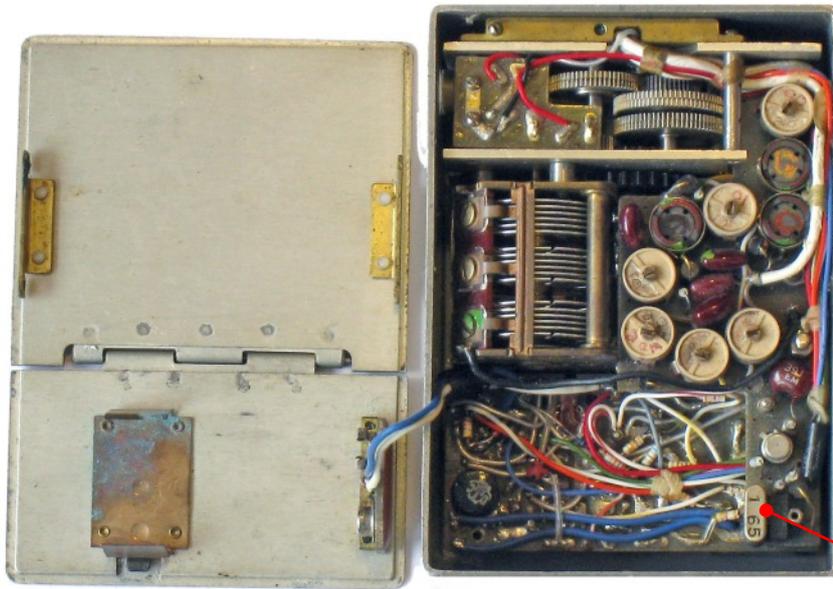
Receiver RR-49 was part of an agents transmitter-receiver station RS-49. Noted was its use as stand alone receiver for e.g. agents operating in the GDR.
 Two versions are known: The RR-49 made by Collins Radio Company, and the later RR-49A produced by Delco Electronics. There were no visible differences between the two versions. A three point cable connected 12V and aerial from the associated RS-49 transmitter to the RR-49. When used as stand alone the receiver was powered by a 9V internal battery; the aerial was connected to a socket located at the left hand side.
 In 1967 the RR-49 and RT-48 were considered as long range communication equipment for the survival kit of long range reconnaissance aircraft. No further details of this survival kit are known.

- 1 Crystal on/off switch
- 2 Range switch
- 3 Scale calibration control
- 4 Tuning control
- 5 Calibration button
- 6 On/off and volume control
- 7 BFO control
- 8 Earphone socket
- 9 Crystal socket
- 10 Aerial release button
- 11 Tuning dial
- 12 Dial pointer

Part of a user instruction sheet which was issued to an agent operating in the GDR. Translation of text above.



- 1. QUARZ EIN-AUS SCHALTER
- 2. BEREICHSCHALTER
- 3. EINSTELLUNGSSCHAL
- 4. ABSTIMMSLUIE
- 5. EICHENSCHALTER
- 6. EIN-AUS SCHALTER UND LAUTSTÄRKEBEGLEDER
- 7. BFO KNOBF
- 8. KOPFHÖRERANSCHLUSS
- 9. BUCHSEN FÜR QUARZ
- 10. ANTENNENKNOBF
- 11. ABSTIMMSKALA
- 12. SKALAZEIGER

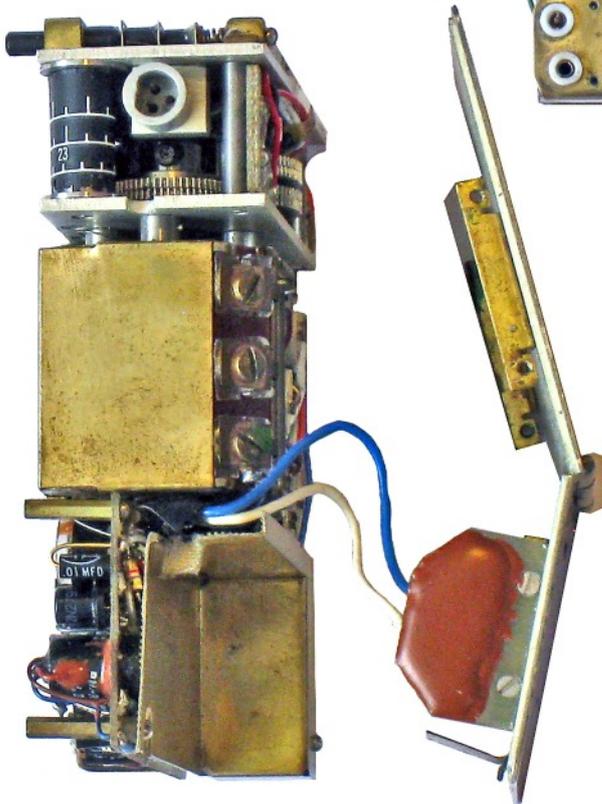


Internal view of RR-49 with bottom plate removed.

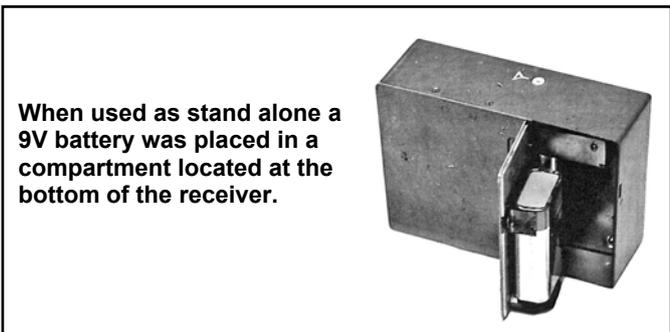


Note date code on crystal.

Top view of the RR-49 with its outer case detached (right). Note the metal tape frequency scale.



Right hand side view of RR-49 detached from the metal outer case. Note 3-point DC input and aerial socket.



When used as stand alone a 9V battery was placed in a compartment located at the bottom of the receiver.

References:

- Photographs, documents, scans and detailed information courtesy Detlev Vreisleben, DC7KG, Germany.
- Colour photographs of internal views were taken by Pete McCollum, N0TDM, USA.
- Report of Long-Range HF Communications Equipment, CIA publication, 1967, and RR-49 receiver operating instruction, CIA publication n.d.; Both documents via Pete McCollum.