RR.21A Country of origin: France

Alert receivers #4

DATA SUMMARY

Organisation: French Army.

Design/Manufacturer: Ribet & Desjardins, France.

Year of Introduction: 1952.

Purpose: Special purpose receiver.

Frequency coverage: 550–1700kHz, 5.6-17MHz.

Circuit features: Single conversion superheterodyne. Mixer/osc, IF, Det/AF/AVC, AF output. IF: 455kHz.

AF output: Low impedance headphones (125Ω).

Valves: 1R5, 1T4, 1S5, 1L4.

Aerial: Wire.

Power Supply: Dry batteries: One 'D' 1½V LT cell and 67½V HT carried in a separate AA.9A box.

Dimensions (mm) and weight (g):

	Height	length	width	weight
RR.21A receiver:	55	80	160	800
AA.9A Battery box:	45	80	160	400

Accessories: Headphones, battery connector, aerial wire, spare batteries.

REMARKS

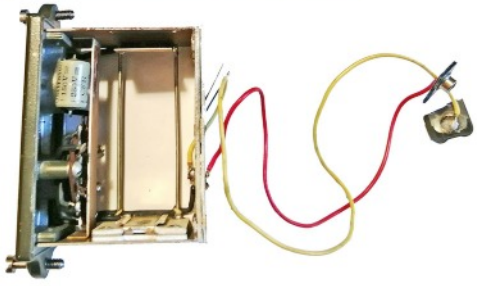
The RR.21A was a miniature dry battery powered four valve superheterodyne receiver for receiving AM transmissions on medium wave and shortwave. The receiver comprised a RR-21A receiver with associated AA.9A battery container, both enclosed in waterproof diecast boxes of similar dimensions.

Although so far no official source was found with reference to its use, it might have been issued to long range patrols receiving information from base, and information from broadcast stations. Agents usually had less conspicuous commercial radio receivers.

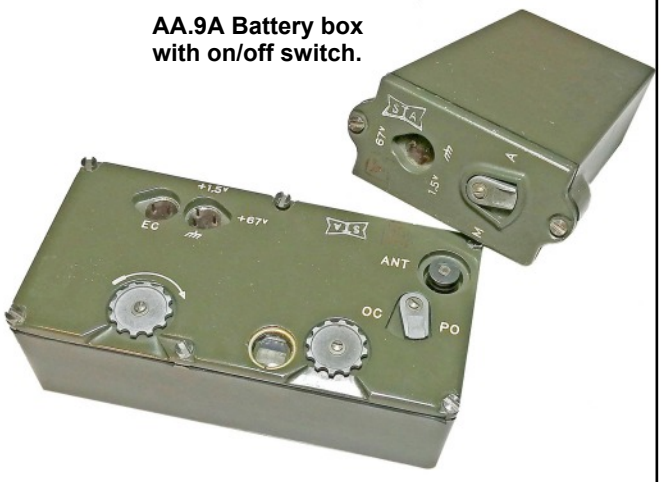
References:

- Many thanks to Ugo Fermi, IW1FQG, Italy for taking photographs and providing further information.

AA.9A battery box enclosure and front panel with 'D' LT cell holder and 67 V HT battery connectors.

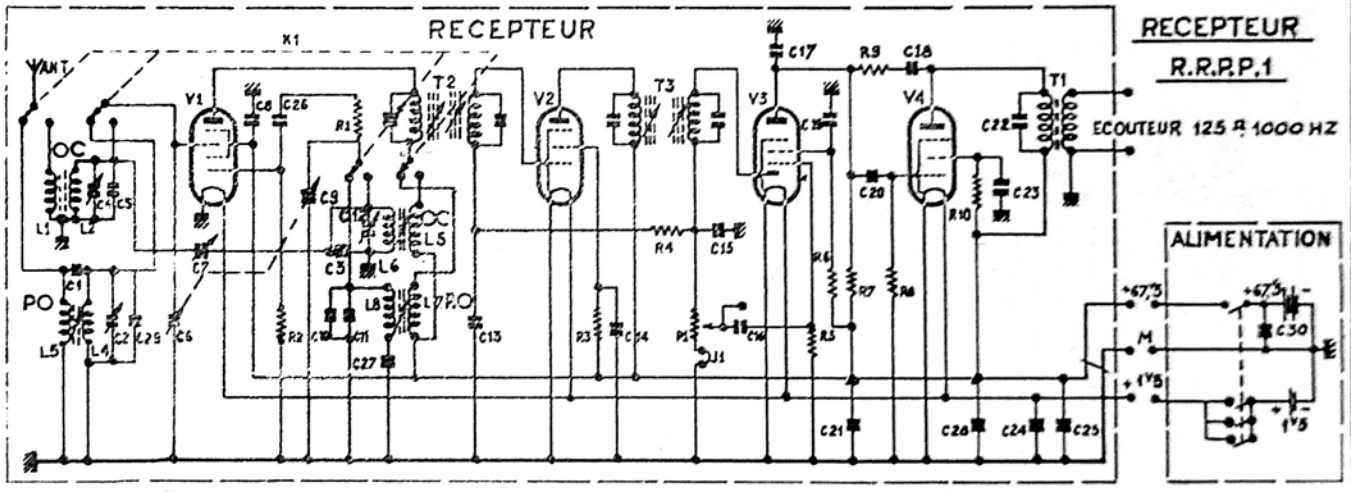


AA.9A Battery box with on/off switch.



RR.21A receiver.

C1	4,7 Pf	C12	10 Pf AJUST. A AIR	C23	0,04 Mf. 150 V	L1	ACCORD O.C	R3	0,1 M° 1/4 W	T3	TRANS. MF 455 KCS
C2	10 Pf AJUST. A AIR	C13	0,01 Mf 150 V	C24	0,04 Mf 150 V	L2	ACCORD O.C	R4	2,2 M° 1/4 W		
C3	10 Pf	C14	0,01 Mf 150 V	C25	0,04 Mf 150 V	L3	ACCORD P.O	R5	10 M° 1/4 W	P1	POT. 0,5 M° LOG.
C4	10 Pf AJUST. A AIR	C15	100 Pf	C26	100 Pf	L4	ACCORD P.O	R6	1 M° 1/4 W		
C5	33 Pf	C16	0,01 Mf 150 V	C27	500 Pf 1500 V	L5	OSCILL. O.C	R7	0,39 M° 1/4 W	V1	TUBE 1R5
C6	CV 490 Pf	C17	100 Pf	C28	0,04 Mf 150 V	L6	OSCILL. O.C	R8	2,2 M° 1/4 W	V2	TUBE 1T4
C7	1-10 Pf AJUSTABLE	C18	100 Pf	C29	18 Pf	L7	OSCILL. P.O	R9	4,7 M° 1/4 W	V3	TUBE 1S5
C8	0,01 Mf. 150 V	C19	0,01 Mf 150 V	C30	0,1 Mf 150 V	L8	OSCILL. P.O	R10	0,1 M° 1/4 W	V4	TUBE 1L4
C9	CV 490 Pf	C20	0,01 Mf 150 V								
C10	24 Pf	C21	0,04 Mf 150 V	J1	PRISE DE CONTROLE	R1	150 ° 1/4 W	T1	TRANSFO BF 1400Ω/2x5	K1	GALETTE (4 DIREC
C11	10 Pf AJUST. A AIR	C22	2.000 Pf 350 V			R2	0,1 MΩ 1/4 W	T2	TRANS. MF 455 KCS		TIONS 2 POSITIONS)



Circuit diagram of RR.21A receiver and AA.9A battery box.
Note the triple contact on/off switch in the LT circuit.

Internal view of the RR.24A receiver revealing the use of Philips IF transformers and tuning capacitor.

Bottom view of receiver with type and serial number plate.