



R-393

Country of origin: Russia

DATA SUMMARY

Year of Introduction: 1982.

Purpose: Front reconnaissance, special forces, border troops.

Receiver: AM R/T and CW.

Frequency coverage: 2.980-16.200MHz in 3 ranges.

Transmitter: CW only.

Frequency coverage: 3.470-16MHz covered in 11 ranges with 8kHz steps.

RF output: 10W.

Power Supply: 90-240V AC mains, 12V battery in the Power unit box.

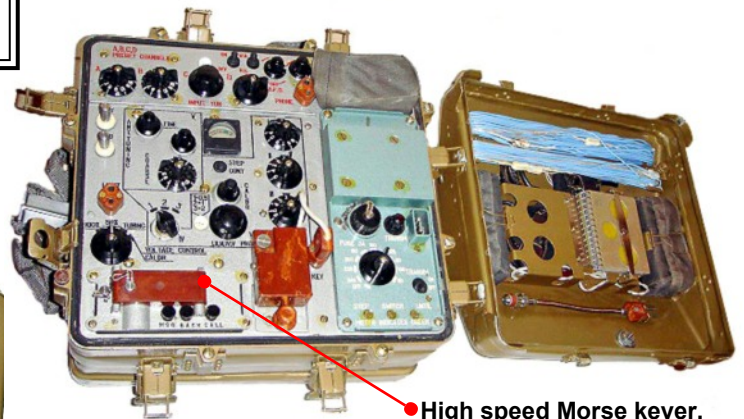
Accessories: Headphones, Morse key, high speed Morse keyer cassette, aerial and earth wire, operator's lamp; second (power unit) box with 12V rechargeable battery, hand cranked generator and AC mains charger.

REMARKS

R-393 B (B) and its other version R-393 R (P), the latter speculated to be with a high speed Morse keyer and in one source referred to as F-393 R, was a fully transistorised portable CW transceiver for use by special forces and similar troops. A high speed magnetic tape based Morse keyer enabled high speed transmission of 100 char/sec. The set was comprised of two separate metal boxes: the actual transceiver, and the power unit which held a 12V rechargeable battery, charging facilities and spares.

In the inside of the cover was stowed a Morse key, a high speed Morse keyer cassette, wire aerial, an operator lamp and tuning/calibration tables printed on aluminium sheets.

Captions under the controls were in English (in all the so far examined photos of the set); the Morse key was attached to the front panel when required for use.



● High speed Morse keyer.

R-393, probably a R (P) version, with high speed Morse keyer fitted in place of the accessories opening bottom left. The top cover was slightly higher than that of the B version and contained accessories.

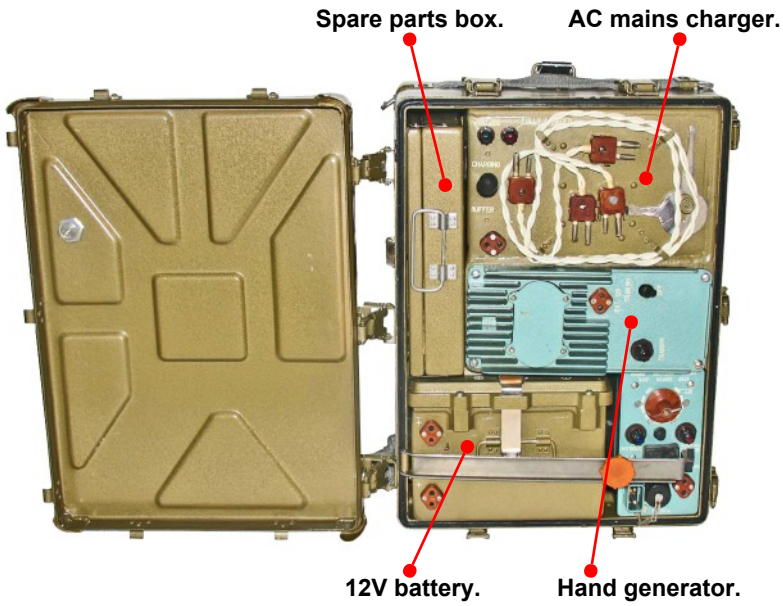


Power unit.

R-393

References:

- Various not confirmed resources retrieved from the Internet.



Power unit box with rechargeable 12V battery, hand cranked charging generator and AC mains charger.

Spare parts box opened. When not in use, the hand crank was stored in here.



Rear view of power unit (left) and R-393, showing carrying arrangements.



Front panel view of R-393, believed the B version without high speed Morse keyer.

F.KC/S	A	B	C	D	F.KC/S	A	B	C	D	F.KC/S	A	B	C	D	F.KC/S	A	B	C	D
12 638	2	7	49	1	13 392	7	9	44	1	14 432	4	1	36	1	14 616	9	3	55	1
96	2	8	49	1	13 400	7	8	43	1	40	4	2	36	1	24	9	2	35	1
12 704	2	9	49	1	08	7	6	43	1	48	4	4	36	1	32	1	35	1	
12	2	0	49	1	18	7	5	43	1	64	4	4	36	1	14 872	5	1	34	1
20	2	0	49	1	24	7	5	43	1	72	4	5	36	1	80	5	2	34	1
28	2	0	49	1	32	7	4	43	1	80	4	6	36	1	88	5	3	34	1
13 056	3	1	48	1	13 448	7	3	43	1	14 488	4	7	36	1	14 904	5	4	34	1
64	3	2	46	1	56	7	2	43	1	96	4	8	36	1	12	5	5	34	1
72	3	3	46	1	64	7	1	43	1	14 504	4	9	36	1	20	5	6	34	1
88	3	4	46	1	14 048	8	12	39	1	12	4	10	36	1	28	5	7	34	1
96	3	5	46	1	56	8	11	39	1	20	4	11	36	1	36	5	8	34	1
13 194	3	6	46	1	64	8	10	39	1	28	4	12	36	1	44	5	9	33	1
13 112	3	7	46	1	14 072	8	9	39	1	14 536	9	12	36	1	14 952	5	10	33	1
20	3	8	45	1	80	8	8	38	1	44	9	11	36	1	60	5	11	33	1
28	3	9	45	1	88	8	7	38	1	52	9	10	36	1	68	5	12	33	1
36	3	10	45	1	96	8	6	38	1	60	9	9	36	1	15 448	10	12	31	1
44	3	11	45	1	14 104	9	5	39	1	68	9	8	36	1	56	10	11	31	1
52	3	12	45	1	12	9	4	39	1	76	9	7	35	1	64	10	10	31	1
13 368	7	12	44	1	14 128	9	3	38	1	14 584	9	6	35	1	15 472	10	9	31	1
76	7	11	44	1	36	9	2	38	1	92	9	5	35	1	80	10	8	31	1
84	7	10	44	1	24	8	1	38	1	14 600	9	4	35	1	88	10	7	30	1

Tuning and calibration tables.