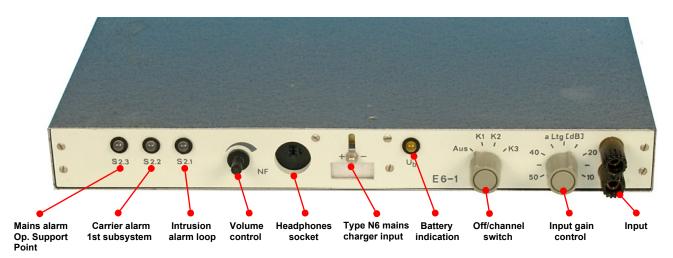
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TF-B rx LWE 6-1 receiver

31122-11

(GDR line bugs XII)

Country of origin: GDR

DATA SUMMARY

Organisation: MfS, Abt. 26, GDR.

Design/manufacturer: MfS, OTS, Abt. 33.

Year of Introduction: 1980s.

Purpose: Control receiver for 2nd subsystem TF-B

systems.

Technical details:

FM carrier frequencies: Ch.1 55kHz, Ch.2 70kHz,

Ch.3 85kHz.

Power: Internal rechargeable Nicad batteries 2x7.2V. Normally charged by 220V AC mains charger type

N6 31122-2.

References:

- With thanks to Detlev Vreisleben, DC7KG, Germany for taking excellent photographs and scans, and providing further technical and historical information.

(To be read in conjunction with Chapter 163.)

REMARKS

The LWE 6-1 (LWE = German: Langwellen Empfänger = long wave receiver) covert number 31122-11, also known as E6-1, was principally a general purpose test and control instrument.

It was normally used with 2^{nd} subsystems, but also with 1^{st} subsystem 220V AC mains TF-B (2A) systems.

Although the LWE 6-1 was a control instrument, it was occasionally used during special interception operations. (German = Einzelmaßnahmen)

An intrusion alarm loop between the LWE 6-1 and an Operational Support Point, connected to a contact, guarded unauthorised opening. AC mains at the Operational Support Point was guarded by a low level 50Hz hum on the line.



A special 220V AC adapter (German = Lichtnetz Vorschaltgerät), covert number 33604-4/5, was used for a direct connection to AC mains when used with 1st subsystem.



LWE 6-1 with top cover removed showing internal components. Note rows of filters for each of the three channels. A compartment at the top left carried 2 x 7.2V rechargeable batteries.

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