## Supplement, Chap. 123 - 1



DATA SUMMARY

Organisation: MfS, Abt 26, GDR.

Design and manufacturer: PGH Funkmechanik,

Freiberg, GDR. (PGH Frb).

**Year of Introduction:** About 1967. **Purpose:** Receiver for Band IV bugs.

**Receiver:** Double conversion superhet, variable tuning by means of varicaps. IF: 36MHz and 10.7MHz.

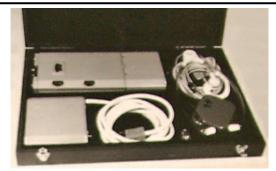
Wideband FM.

**Frequency coverage:** 360-400MHz. (Band IV). **Aerial:** Quarter wave rod or directional aerial.

**Power Supply:** Rechargeable 6V 450mAh NiCad battery. Drain 35-40mA. 220V AC charger/adapter.

| Dimensions (mm): | Height | Length | Width | Weight |
|------------------|--------|--------|-------|--------|
| Receiver         | 125    | 30     | 100   | 650g   |
| Battery          | 35     | 30     | 100   | 200g   |
| Remote control   | 70     | 60     | 30    | 200g   |
| Battery charger  | 80     | 30     | 100   | 600g   |

**Accessories:** Rechargeable batteries, battery charger, charging adapter, remote control unit, aerial, earphones, carried or stored in a case. (See illustration below).



Transport/storage case for the 31210 receiver.

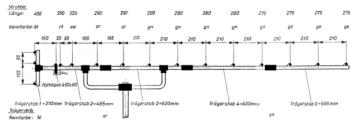
# 31210

(GDR bugs I)

Country of origin: GDR

### **REMARKS**

The 31210 was a fully transistorised UHF FM receiver developed and produced in 1967 by PGH Funkmechanik (PGH = Productionsgenossenschaft des Handwerks), in Freiberg, GDR. It was used for reception of covert wireless bugs operating in the frequency range 355-400MHz. (Band IV). An example of a band IV bug was the 31211, published in Chapter 124. For covert operations the receiver was carried in a pocket on the body, tuning and on/off switching was by a small remote control unit held in the hand and connected to the receiver via a multi core cable. Three AF outputs were available: headphones, tape recorder and a 29-35kHz pass-band for an external dual-FM decoder. When stationary, the receiver could operated from another location via the 31212 remote control system, (see Chapter 125) superposed on a standard subscriber telephone line. Noted is a 31210-3 version of which no details were known, believed modified for connecting an external scanning unit. A later produced version of this receiver was the 31220 (see Chapter 130) which had a built-in scanning facility. Both 31210 and 31220 receivers were superseded by 31215 (Chapter 125) operating in Band V. (940-980MHz).



A 16 element Yagi aerial was employed when the receiver was used at a fixed position and the field strength of a bug was low.



A Crouset Magnetton MP 300/6 tape recorder was normally used in combination with 31210 and 31220 receivers.

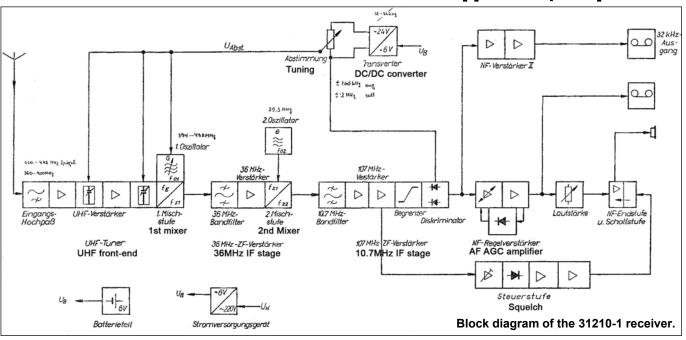
#### References:

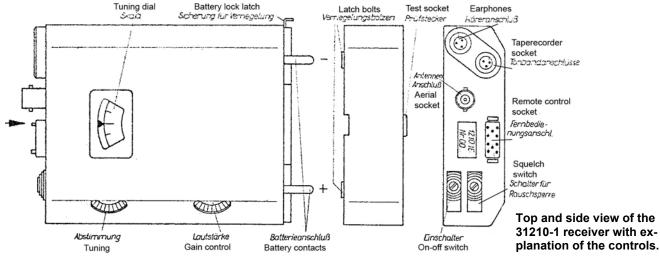
- With thanks to Detlev Vreisleben, DC7KG, Germany for taking excellent photographs and scans, and providing further technical and historical information.
- Gerät 1210.1 Technische Unterlagen. n.d.

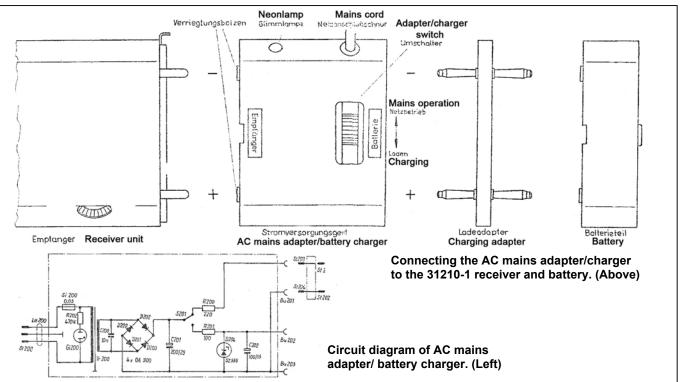
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### Wireless for the Warrior - Volume 4

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