

Instructions for GAUERS VHF receiver, model INFORMANT II

1. Installation of Batteries

The receiver is powered by six penlight batteries at 1,5 volt each. On the left hand side is the battery box cover which is opened by turning 1/8 turn to the left. Ensure that the batteries are inserted into the box in the direction as per drawing on the underside. Replace battery cover and lock turning 1/8 to the right.

2. Receiver is turned ON and OFF by the volume control knob on the L.H. side - OFF position is with the knob turned fully to the left until a click is heard.
3. Four frequency ranges can be selected by pressing the respective buttons.
VHF reception = Press button VHF and FM
FM reception = Release VHF button by re-pressing-Press
LW reception = Press LW button
MW reception = Press MW button

Tune the receiver on the appropriate scale according to freq. selected

4. Squelch (Automatic noise reduction) - adjustable

This control only works on the VHF range. The squelch closes the NF amplification and the amount that the control can be used depends on the signal strength of the station received - it cannot be used on weak stations.

5. O. Meter

a) Battery level

To test state of batteries set the tuning so that no station is being received. If the pointer deflects into the green or red sections the batteries are O.K. If the pointer registers in the black section the batteries require replacing.

b) Tuning Meter

When the station required has been selected, fine tuning by the O. Meter for best reception, the needle should be tuned as far to the left as it will register. On LW/MW rotate the receiver to see if the needle will deflect any further to the left. VHF-FM, swivel the VHF aerial to maximum deflection.

c) Direction finding

Tune to the desired signal on the MW or LW and rotate the receiver until minimum signal is obtained, then line through the longitudinal axis of the receiver will be pointing to the station. Naturally, the operator must know if the station is to the left or right.

6. Aerial for MW and LW

This is a ferrite rod fitted longitudinally inside the set. For best reception the longitudinal axis of the receiver should be at right angles to the direction of the station.

7. Aerial for FM and VHF

This is telescopic and can be found at the L.H. and rear corner of the receiver. It should be fully extended and in this position it can be swivelled in all directions to obtain best reception. When operating this aerial be careful not to use force.

When the receiver is used in car bracket the aerial is plugged into the amplifier and adjusted as Paragraph 9:

8. Mains Power Supply

It is possible to use a Mains Power Adaptor which works from either 110 or 220 volts A.C. Simply plug into the multi pin socket at the L.H. end of the receiver. When using the adaptor the dry batteries should be removed.

9. Use of car bracket

The car bracket should be installed in a suitable position in the car using the spacers, screws and nuts provided. Make sure that the plastic cover can be slid off to the left so that the connections can be made and the aerial trimmer adjusted. The connections are as follows :

- 1 and 2 - External Loudspeaker(s)
- 3 - Negative connection from battery
- 4 - Positive connection from six volt battery
- 5 - Positive connection from 12 volt battery

The reversible loudspeaker plug on the amplifier tray when delivered is set to work external loudspeakers. If the internal loudspeaker is required the plug has to be reversed. To align the receiver to the car aerial for best reception select a weak station on the MW band between 1200 and 1600 KHz and rotate the trimmer on the amplifier tray adjacent to the aerial connection until best results are obtained.

When the "INFORMANT II" is operated in a car bracket with amplifier the output is increased to 2,5 watts. It must, however, be ensured at all times that the internal dry batteries are in good condition, as these still operate the initial stages. To mount the receiver in the car bracket remove handle and slide the receiver into the plug on the L.H. side ensuring that it goes fully home and makes good connection, then clip on the elastic on the right over the handle screw.

10. Use of Outside Aerial

A multi pin plug with a suitable lead to connect to a normal outside aerial can be supplied to fit into the socket on the left of the receiver.

11. Technical Data

The "INFORMANT II" has four wave ranges :

VHF	=	100 - 136 MHz
UKW(FM)	=	88 - 108 MHz
MW	=	500 - 1600 KHz
LW	=	200 - 400 KHz

11 + 1 transistor, 10 diodes, built in ferrite aerial for MW & LW reception, fully swivelling telescopic aerial for VHF and UKW reception. Connections for car mounting, car battery = 6 or 12 volts for use of external loudspeakers, either single or dual. Tuning scale lighting is provided when used in car bracket.

Connections for Mains Adaptor - Normal current supply by six penlight batteries at 1,5 volt each - 11 + 7 circuits, sensitivity ca. 0,7 μ V on VHF and UKW (FM) (Ultra short wave) ca. 5 μ V on middle and LW ; power output 1 watt when using internal batteries, 2,5 watts when fitted into a car.

Dimensions and Weight

11 + 1 88 X 110 mm (6.88 x 2.28 x 4.33")

Weight with batteries = 2 Kg (2.2 lbs)

GAUER 'INFORMANT 11' - OPERATING INSTRUCTIONS

V.H.F. Aircraft Band

To receive aircraft transmissions :-

1. Extend telescopic aerial by carefully pulling out from left hand end top rear corner.
2. Push in buttons FM and VHF
3. Turn Squelch knob anti clockwise
4. Select station frequency
5. Turn Squelch knob clockwise to cut out local interference when receiving strong transmission from nearby stations.

F.M. Broadcast Band

1. Extend telescopic aerial.
2. Push in FM button only. Ensure that VHF button is released by pressing.
3. Turn Squelch knob anti clockwise.
4. Select station frequency.

L.W. or M.W. Bands

1. Select by pressing appropriate button.
2. Turn Squelch knob anti clockwise

Use of Tuning Meter - All frequency bands

Tune station and check "0" meter for maximum deflection to left for best reception. When on VHF this only indicates when transmissions are taking place.

Batteries

Adjust receiver so that it is not tuned into a station. When batteries are serviceable "0" meter pointer will indicate in Green and Red section. When pointer indicates Black section replace batteries by removing cap at bottom left hand side.