

EKGO

Model A274

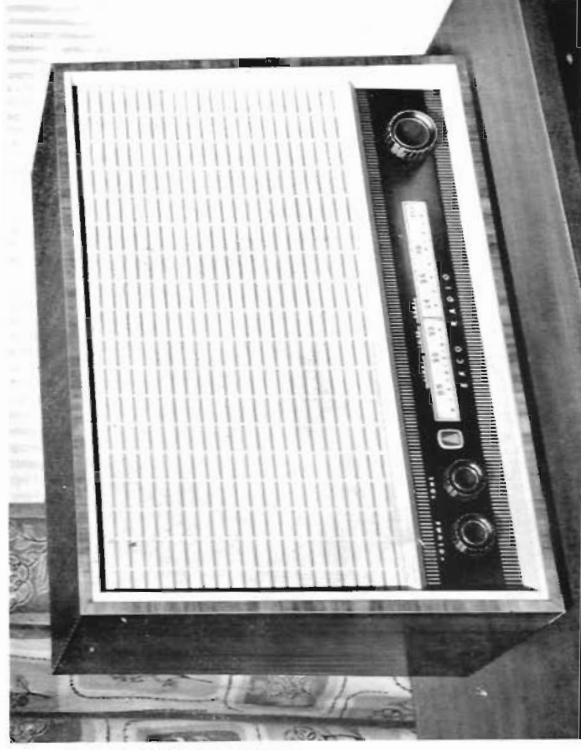
INSTALLATION & OPERATION INSTRUCTIONS



EKCO

HIGH-FIDELITY V.H.F. RECEIVER

MODEL A274



This receiver is for operation from A.C. mains, 200-250 volts, 50-100 cycles.
It must not be connected to a D.C. Supply.

CONCERNING THE AERIAL

For V.H.F. reception, an aerial of the type known as a di-pole is employed and an aerial of this kind is built into your Ekco V.H.F. receiver. Its effectiveness will depend to some extent on local reception conditions and on the exact position of the receiver.

In most cases the built-in di-pole aerial will prove adequate but in some situations, especially near busy main roads in areas of low signal strength, maximum elimination of electrical interference may be obtained only by the use of an external aerial.

Should an external aerial be necessary it should have a co-axial feeder of approximately 75 ohms impedance and your Ekco Dealer will be pleased to give you advice on the choice of an aerial to suit local conditions.

INSTALLATION

To instal the receiver, proceed as follows:

1. Ascertain the voltage of your A.C. mains supply. If in doubt, consult the local electricity supply authority.
2. Remove the perforated back cover from the receiver by releasing its retaining screws.
3. Position the insulated screw in the Mains Voltage Adjustment Panel to correspond with the voltage of your mains supply.
4. Check that the valves are firmly pressed home in their sockets.

INTRODUCTION

Your Ekco V.H.F. receiver offers a new high-standard of reproduction in a compact and attractive instrument. Designed to take full advantage of the better reception conditions pertaining to the B.B.C. V.H.F./F.M. transmissions, this receiver incorporates an amplifier with an exceptionally wide frequency response and the speaker installation has been specially developed to the same end.

Provision is made for utilising this amplifier, in conjunction with a modern record player, to provide superb reproduction from gramophone records. It will be found that the extended frequency response of both the amplifier and the speakers will do full justice to the finest recordings and the wide-range tone control adequately accommodates the different recording characteristics of the various types of gramophone record currently available.

Special output sockets are provided to facilitate using the receiver as a high-grade V.H.F. tuning unit, for use with a tape recorder, in order to record your favourite programmes.

Your Ekco Dealer will gladly give you advice on the choice and use of a tape recorder for this and other purposes.

It should be emphasised that this receiver is capable of giving an unusually fine performance for an instrument of its size and cost and it therefore justifies use with only high-grade accessories. This should be borne in mind especially when selecting an extension speaker as defects in the performance of a low-grade speaker will be irritatingly noticeable in comparison with the speakers built into the receiver.

INSTALLATION (cont.)

5. Check that the scale lamps are securely positioned on their supporting brackets.
6. Pass the internal aerial plug on its flying lead through the slot in the back cover adjacent to the aerial socket hole and pass the mains lead through the hole provided for it in the cover. Then replace the back cover and retaining screws. Check that the internal speaker screw-switch is fully tightened.
7. Connect the mains lead, by means of a suitable plug, to your electricity supply. The red wire should be connected to Line, the black wire to Neutral and the green wire to Earth. If only a two-pin mains outlet is available, cut back the green wire so that it cannot enter the plug.
8. If an external di-pole aerial is to be used, connect this by means of a 75 ohm co-axial feeder to a two-pin plug to fit the aerial socket on the receiver. The outer screening of the feeder must be connected to the larger of the two pins. Where the built-in aerial is to be used, simply insert the two-pin plug on the internal aerial lead into the receiver aerial socket.

INSTALLATION (cont.)

<ol style="list-style-type: none"> 1. Di-pole Aerial Socket. 2. Scale Lamps. 3. Output Sockets for Tape Recorder. 4. Radio/Gramophone Switch. 5. Extension Speaker Sockets. 	<ol style="list-style-type: none"> 6. Gramophone Pick-up Sockets. 7. Internal Speaker Switch. 8. Mains Voltage Adjustment Panel. 9. Mains Lead.
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V1: ECC85, V2: EF89, V3: EF89, V4: EABC80, V5: E1.84 V6: E780, V7 (Tuning Indicator behind scale): EM80.

All valves are Mullard; when replacing valves, it is essential to use the types originally supplied.

CONTROLS

Front controls, from left to right:

1. VOLUME ON/OFF.
2. TONE.
3. TUNING.

Rear controls, from left to right:

1. RADIO/GRAMOPHONE SWITCH.
2. INTERNAL SPEAKER SWITCH.

OPERATION

For radio reception the Radio/Gramophone Switch at the rear of the receiver must be turned clockwise to the "Radio" position.

To operate the receiver, proceed as follows:

1. Switch on by turning the Volume Control clockwise until a click indicates that the mains switch has operated.
2. Turn the Tuning Control until the scale pointer indicates the frequency of the required V.H.F. station and then adjust carefully until the electronic tuning indicator shows maximum illumination.
3. Adjust Tone and Volume controls to give the most pleasing reproduction.
4. To switch off, turn the Volume control fully anti-clockwise.

NOTES

USING AN EXTENSION SPEAKER

Sockets marked EXT.L.S. are provided for the connection of a low-impedance extension speaker. The built-in speakers can be silenced, if desired, by unscrewing the insulated screw in the centre of the socket panel. Do not silence the built-in speakers by this means unless an extension speaker is connected.

USING A GRAMOPHONE RECORD PLAYING DESK

This receiver will give excellent results when used with a modern record-playing desk. Connect the pick-up leads to the sockets marked "Pick-up" at the rear of the receiver, the outer screening of the pick-up leads should be connected to the right-hand socket. These leads can be left permanently connected if desired, the pick-up being brought into operation when required by turning the Radio/Gramophone Switch anti-clockwise to the "Gramophone" position.

The receiver requires an input from the pick-up of not less than 200 millivolts and this condition will be adequately fulfilled by most crystal pick-ups.

The Tone and Volume Controls function in the same way for record playing as for radio reception and the range of the Tone Control is sufficient to provide correctly balanced reproduction from both standard and microgroove records when using any normal type of pick-up.

USING A TAPE RECORDER

If you have a Tape Recorder, you can record your favourite radio programmes by connecting the sockets, at the rear of the receiver, marked "Tape Recorder" to the "Radio Input" connection on your tape recorder amplifier. The output from the "Tape Recorder" sockets is unaffected by the setting of the receiver Tone and Volume Controls which can therefore be adjusted to give normal radio reproduction at the same time as the recording is being made. Adjustment of the recording level should be effected by means of the controls provided on the tape recorder according to the instructions supplied with the instrument.

SCALE LAMP REPLACEMENT

Should it be necessary to replace a scale lamp, disconnect the receiver from the mains supply and remove the back cover. The defective scale lamp can then be withdrawn, complete with its holder, from its supporting bracket and the lamp can then be unscrewed from its holder. Replace it with a 6 volt 0.3 amp M.E.S. bulb and re-assemble in reverse order.

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