

PRICE LIST

One valve model "DX" (Mark 2)

This is one of our "Easy to Construct" Kits, and it has been designed especially to make it so simple, that a novice cannot go wrong. Yet the performance of the receiver cannot be bettered by any other one-valve receiver—however complicated. This "H.A.C." Short-Wave Kit is supplied complete down to the last screw. It contains a completely drilled aluminium chassis, all the special high grade components, including a valve especially chosen for its suitability for short-wave reception, and robustness. This valve is used in the Army portable receivers. Also included in this kit is one coil No. 4 covering the popular wavebands of 18 to 50 metres, all connecting wire, battery flex, plugs, sockets etc., together with the wiring and layout diagram, making construction a pleasure in itself. It thus enables you to build without previous experience the ideal beginner's Short-Wave receiver. All kits are packed in a strong cardboard box, together with a four page instruction manual. Price £3 6s. 0d. (Postage and packing 4/-).

Headphones

A sensitive pair of high resistance headphones is essential for good Short-Wave reception. We can offer a pair of lightweight headphones (2000 ohms resistance). These are extra sensitive, and especially suitable for use with all "H.A.C." Receivers. Complete with lead cord, Price 22/- per pair. (Postage and packing 2/-).

Accessory Kit (Stage 2)

When you have built and operated the one valve receiver, model "DX", you may wish to extend the range, and we therefore offer these additional accessories:— A **band-spread condenser** and pointer knob. The band-spread condenser will simplify the tuning, and an extra hole is provided in the chassis to take this. We do not advise fitting until the original circuit has been connected and operated. Also **two extra plug-in coils**, numbers 3 and 5, which will allow you to cover the whole of the short wave bands, from 9 to 170 metres. Price of the **three items** complete 28/-. (Postage 2/- if ordered separately, or postage free if ordered at the same time as the kit.)

One valve "Super" Kit model "K"

Specification as overleaf. Price: £5 5s. 0d. (Postage and packing 5/-). Provision is made for increasing the waverange by 2 additional coils, 8/- each.

Second Stage Amplifier Kit

(For use with model "K" only). Comprises all the additional components, including the pentode valve and full instructions. Price: £2 0s. 0d. (Postage and packing 2/6d.).

Valves

Spare valves for all "H.A.C." Receivers are always available from us. A replacement valve for the "DX" or "K" Receiver price 12/6d. Prices of other "H.A.C." replacements available on request.

Special note—We guarantee you success

Send for your "H.A.C." kit at once, and be among the fast increasing number of Short-Wave listeners who get fresh thrills whenever they switch on their receiver. We will gladly send you any further information that you may require, so if you have any further query on these receivers, send a stamped addressed envelope for a quick reply. Kindly note however, that at the present time we are not able to supply short-wave components other than those supplied with our kits.

Sole Manufacturers:

"H.A.C." SHORT-WAVE PRODUCTS

29 Old Bond Street, London, W.1

Telephone: 01-493 1697

HEAR ALL CONTINENTS

H.A.C.

Reg.

SHORT-WAVE EQUIPMENT



**"A Short-Wave Receiver
Provides Everlasting Entertainment"**

HEAR ALL CONTINENTS

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"H.A.C."—AN EXPLANATION

The registered name of "H.A.C." allocated to our Short-Wave Products may need an explanation to the new Short-Wave enthusiast.

Going back over 30 years to the time when the original circuit was evolved by the designer, the initials stand for "Hear All Continents." At that time the "H.A.C." certificate was granted to anyone who could prove that they had received all the continents of the world. This performance is still guaranteed by all our receivers, even to the smallest model, the one-valve type "DX" which will provide all the thrills associated with Short-Wave reception at a minimum cost. The "H.A.C." Receiver consists of specially chosen high grade precision Short-Wave components. The circuit has been recently brought up-to-date by the designer who is well-known for his many years experience with Short-Wave receivers.

SHORT-WAVE LISTENING—THE WORLD'S MOST INTERESTING HOBBY

There is no limit to the amount of entertainment to be obtained through Short-Wave listening. From the U.S.A. may be tuned in many varied programmes including regular broadcasts by well-known film stars. Many sports events, and variety programmes with famous personalities broadcast nightly from several American stations. From Sydney, Australia, many items of interest all prefaced by that fascinating interval signal the laughing Jackass bird. From Bangkok can be heard Oriental music, native orchestras from India and Kenya, and the thrill of hearing some amateur transmitter from a small island many thousands of miles away on the other side of the world are all familiar sounds to the Short-Wave enthusiast.

News bulletins from all over Europe can be tuned in from over a hundred different stations, nearly all of which now include English among the languages broadcast. The United States provides an up-to-the-minute news service which is broadcast hourly from dozens of stations throughout America.

Short-Wave reception suits all tastes and whether you switch on during the day or night there will always be something to interest you.

If you are a Short-Wave enthusiast you should definitely have a separate Short-Wave receiver. Not only does this allow for the broadcast receiver to be used by the rest of the family, but a separate receiver provides better all-round Short-Wave reception than an all-wave model. Easier and broader tuning is obtained, a greater range of stations, and above all, sharp, clear reception that is free from background.

THE "H.A.C." SINGLE STAGE SHORT-WAVE RECEIVER— MODEL "DX" (MARK 2)

This world famous "H.A.C." one valve receiver design has now been on the market for over twenty years, and the recently improved Model "DX" (Mark 2) has proved a far greater success than its predecessor. It is now easier to construct and gives a fantastic performance, equal to that of many two-valve receivers. This receiver incorporates the renowned "Denco" Maxi Q Short-Wave coils. These have three windings on a former of polystyrene construction. They employ a ferrite core and have extremely low-loss properties, combining a high Q with minimum size. These coils are of plug-in type and a total of three coils cover a range of 9-170 metres. One coil to tune 18-50 metres is included in the kit. The additional coils are available as stated in the price list.

Similar components by famous manufacturers complete the kit, which includes a strong aluminium chassis, fully drilled with all screws ready to assemble. We would like to stress that all components are specially selected for Short-Wave operation, they are all of top quality and their list prices total considerably more than the kit itself. You will be surprised by this high quality and it is only by our contract to purchase in large quantities that the kits can still be offered at such low cost.

This receiver is powered by two dry batteries, which are available from any electrical shop. The HT battery can be as low as 60 volts, or up to 120 volts according to availability. The LT battery is an ordinary 3 volt torch battery. As only one valve is employed the battery consumption is negligible.

We do not supply a mains-operated receiver, as for really successful Short-Wave listening, an absolutely quiet background is essential. This can only be obtained with battery operation. Likewise, we do not supply transistor kits, as apart from the fact that they are not so suitable for good Short-Wave reception, they are also extremely difficult for amateur constructors to solder without damage. Having experimented with all types

of circuits and components we consider this receiver to be ideal for all Short-Wave reception. It is especially good for the reception of amateur stations, and is in fact used by many Amateur Transmitters (Hams) throughout the country as their sole receiver. At the same time it is the ideal receiver for the novice. The kit is supplied with very simple constructional diagrams which are self-explanatory. We do not send you just a technical circuit. The kit of components can be built in one hour by anyone at home without any knowledge of radio. The "H.A.C." receiver can be assembled in a space of 6in. by 4in., and is thus truly portable. It can be used equally well by the bedside or out of doors. Any sort of aerial will bring in the stations, but, of course, the better the aerial the better the results. Full details are contained in our operating instructions.

The "H.A.C." circuit has always been extremely suitable for reception of the Morse Code or C.W. note. The enthusiast desirous of learning Morse will find this receiver invaluable. Many Amateur Radio Clubs regularly transmit slow Morse for this purpose.

Whatever your age, you will find the assembly of this kit is a pleasure. The "DX" Receiver when constructed provides you with a first class listening station, that could not be bettered if you had paid many times its cost.

It will provide you with an everlasting hobby that will never become out of date, but provide continuous fresh enjoyment.

Add daily to your evening's enjoyment by sending today for your "H.A.C." receiver kit. Do not delay as the cost of raw materials continues to increase and we may be compelled to raise our prices when the present stocks of components are exhausted.

All orders are dealt with in strict rotation and will be despatched within seven days from receipt.

"H.A.C." ONE-VALVE RECEIVER MODEL "K"

The model "K" represents the latest of the "H.A.C." **Super** Short-Wave Receivers, which are designed to be the last word in perfection irrespective of expense. All the components are of the very highest quality, especially manufactured for Short-Wave operation, and no finer one valve receiver could be constructed.

This receiver should not be confused with the one valve model "DX", which is a totally different circuit. The model "DX" is recommended for novices, and persons who have had little or no experience in building receivers. Consequently, this simple receiver will give excellent results with little skill and minimum of constructional effort. The model "K" circuit however, is based on the latest available technique employing the modern miniature components, where practicable. This receiver is intended for the Amateur Constructor who wishes to advance to more elaborate circuits, and who will experience no difficulty in soldering the miniature components. It has the advantage that it can be extended to a two-valve short-wave receiver, by the addition of a power output stage. The chassis is already punched for the additional valveholder, and a pentode amplifier can, if desired, be purchased at a later date, to complete the two valve version of this receiver. However, we strongly advise you to construct the one valve "K" circuit in the first instance, as it provides an excellent one valve receiver in its own right, and will give the operator a superb performance of world wide reception.

Specification

Valve:	B7G series of miniature all dry valves are employed.
Batteries:	Ever-Ready types B126 (H.T.) and AD35 (L.T.) or similar.
Coil:	A Denco coil of advanced design, having an adjustable core, is employed. This will provide reception of the main short-wave bands, covering approx. 16 to 50 metres.
Tuning:	Special low loss tuning components, <i>including</i> a band-spread condenser, for electrical band-spread tuning.
Chassis:	An extra strong four-sided chassis fully drilled for the one and two valve circuits is provided.
Instructions:	A very comprehensive instruction manual is included, which provides the fullest possible instructions, comprising practical wiring diagram with full size lay-out plan, theoretical circuit, and point to point wiring-up instructions.