

**Instruction Manual  
for the**

**NATIONAL**

**NC-100A**

(also NC 100XA and NC 101X)

**RECEIVER**

**Tuning Range:**

**30 Megacycles to 540 Kilocycles**

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FOR many years we have used only "plug-in" inductors in National high frequency receivers, because only by so doing could we build into these receivers the outstanding performance for which they are so well known. We have, of course, realized that a switching arrangement would be more convenient to the operator. Inasmuch, however, as the use of any switching arrangement that we know of would have resulted in a definite decrease in performance, we have steadfastly continued to use plug-in inductors. In the NC-100 receiver, we have now reached a design of plug-in inductor that is in every way equal to the switch in convenience, and at the same time retains all of the superior electrical and mechanical advantages of the original plug-in inductors.

The soundness of the original design of the NC-100 series of receivers has now, with time, proved its real worth. In keeping with our general policy, however, of incorporating in our receivers any improvements in detail that are developed by our laboratory from time to time, we have in the present production, or "A" series receivers, replaced the electronic tube gain control indicator with an "S" meter of the type developed for our HRO receiver. We have also added an entirely new type of illuminated dial which is directly calibrated in frequency and which has the additional added feature of a continuously running vernier indicator giving band spread readings to one part in one thousand at all frequencies. The chassis itself, as well as the fundamental circuit, remains unchanged.

## THE NATIONAL COMPANY



MALDEN, MASS., U. S. A.

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