

INSTRUCTIONS FOR  
INSTALLING AND OPERATING  
**PHILCO 40-124**

**WITH ELECTRIC PUSH-BUTTON TUNING  
FOR STANDARD BROADCAST AND POLICE BAND RECEPTION**

Philco Model 40-124 is a six tube superheterodyne radio for operation on either alternating current (A.C.) or direct current (D.C.) supply. It covers frequency ranges from 540 kilocycles to 1600 kilocycles (Kc.) and from 1.6 to 3.3 megacycles (Mc.).

The broadcast scale is calibrated in kilocycles (less the final zero). Standard broadcast stations are listed in kilocycles in most station lists.

The police band is calibrated in megacycles. A megacycle is 1,000 kilocycles.

The power rating of this model is marked on a name label in the cabinet. Make sure that this rating corresponds with the power furnished your home.

**INSTALLATION**

After unpacking the radio make sure all the tubes are in their correct sockets pressed firmly down. A label inside the cabinet will show the relative location of the tubes. NOTE: Tubes may be removed by rocking them gently in their sockets until the center locking pin is released.

A twenty foot indoor aerial wire is provided with the radio. Uncoil this wire and place it around the baseboard moulding or under the rug. For best reception in steel reinforced buildings, the Philco Utility Aerial, Pat. No. 40-535 (obtainable from your Philco dealer) is recommended. This especially designed, highly efficient, aerial can be installed in a few minutes. A convenient flexible lead-in is provided for connection to the twenty foot aerial wire.

NOTE: If your house current is D.C. and no sound is heard after the tubes are sufficiently heated, reverse the electric plug in the outlet. The same procedure is advised if your power supply is A.C. and a slight hum is observed with the volume turned low.

**OPERATION**

Turn the "On-Off Switch and Volume Control" (left-hand knob) to the right (clockwise) about half its range. This supplies power to the set and illuminates the dial. For standard broadcasts, the "Tuning Range Selector" (center knob) must be turned to the left (counterclockwise). Standard broadcast frequencies are on the upper scale on the dial. To tune a station with the dial in either the police or the standard broadcast band, the extreme right-hand push button, labeled "DIAL" must be pressed in. Now select the desired station by rotating the "Station Selector" (right hand knob).

For best tone, tune the desired station with the volume turned low. This enables you to get the exact point where the station comes in best. Then adjust the volume to the desired level with the volume control.

For reception of state and local police radio broadcasts the "Tuning Range Selector" must be turned to the right (clockwise). One of the amateur bands is also included in this range.

Police transmissions may be received from 1.61 to 1.71 megacycles and from 2.3 to 2.5 megacycles. Amateurs may be received from 1.71 to 2.0 megacycles. Police and amateur frequencies appear on the lower half of the scale.

**PROCEDURE FOR SETTING AND OPERATING THE ELECTRIC PUSH-BUTTON TUNING**

Select five of your favorite nearby broadcast stations and remove their call letters from the station call letter tab sheets supplied. Place each call letter tab in the window corresponding to the button whose range includes the frequency of the desired station. The frequencies of the

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popular stations in your vicinity may be found by consulting any station list. The frequency range of the buttons and corresponding padders is as follows:

Padders (right to left) from rear)		Circuit	Buttons (left to right) from front)		Frequency Range	Padders (right to left) from rear)		Circuit	Buttons (left to right) from front)		Frequency Range
1	Ant.		}	1	540 to 1230 kilocycles	7	Ant.		}	4	900 to 1470 kilocycles
2	Osc.	8		Osc.	4	Osc.					
3	Ant.	}	2	650 to 1100 kilocycles	9	Ant.	}	5	1180 to 1600 kilocycles		
4	Osc.		10	Osc.	5	Osc.					
5	Ant.	}	3	740 to 1240 kilocycles	6	DIAL					
6	Osc.										

The left-hand button looking at the front of the cabinet corresponds to the two right-hand padder screws looking at the rear and covers the lowest frequency range.

With the "DIAL" button depressed, tune in the station whose call letters appear above the left-hand button. Then depressing the left-hand button, tune in this station by rotating the No. 2 "OSC" screw (next to the right end of the unit looking at the rear of the chassis). (NOTE: Inherent characteristics of these padders may cause some of them to cover a lower range than required to cover the broadcast band. This may cause the radio to howl or flutter when a station button is depressed. To correct this, loosen the "ANT" padder corresponding to the depressed station button). Turn the "OSC" screw slowly and listen carefully or the station may be passed without noticing it. After the "OSC" screw has been adjusted for maximum volume, the corresponding "ANT" screw should be adjusted for maximum. For some stations, it may be necessary to re-adjust the "OSC" screw after the "ANT" screw has been set. Switching from the "DIAL" to the automatic push button will enable you to make sure you have the correct station tuned in. When the first station has been set, the same procedure should be followed for the remaining buttons, first tuning in the desired station by means of the "DIAL" control.

To tune the set with the "Push-Buttons", simply press in the button which corresponds to the call letters of the desired station. Your station will be received instantly. The volume of the program may be controlled with the manual volume control.

## SERVICE

For the convenience of all radio owners, Philco has developed a plan for prompt, efficient radio service in every locality. This plan is known as "Radio Manufacturers Service". There is a member in your neighborhood — his shop or store can be identified by the emblem shown here. To make sure of guaranteed work, genuine Philco tubes and parts, and standard prices — call a member of "Radio Manufacturers Service".



## WARRANTY

We warrant each new Philco Radio Receiver and Speaker to be free from defects in material and workmanship under normal use and service, our obligation under this warranty being limited to making good at our depot any part or parts thereof which shall, within ninety (90) days after delivery of such Receiver to the original retail purchaser, be returned to our depot with transportation charges prepaid, and which our examination shall disclose to our satisfaction to have been thus defective; this warranty being expressly in lieu of all other warranties expressed or implied, and of all other obligations or liabilities on our part, and we neither assume nor authorize any representative or other person to assume any other liability in connection with the sale of Receivers or Speakers.

This warranty shall not apply to any Receiver or Speaker which shall have been repaired or altered other than by us in any way so as, in our judgment, to affect its stability or reliability, nor which has been subject to misuse, negligence or accident, nor which has had the serial number altered, effaced or removed. Neither shall this warranty apply to any Receiver or Speaker which has been connected otherwise than in accordance with the instructions furnished by us.