
INSTRUCTIONS

FOR

PHILCO

REG. U.S. PAT. OFF.

BALANCED-UNIT RADIO

Model 54-C

For 115 Volts A.C. — 40-60 Cycles
For 115 Volts D.C. (Direct Current)

DESCRIPTION—Philco Model 54-C is a compact superheterodyne receiver, designed for operation on either alternating or direct current. It is equipped with a 20-foot length of antenna wire attached, and has provision for receiving, in addition to standard broadcasts, U. S. police, aircraft, and amateur radio stations. The frequency range is from 540 to 3400 kilocycles.

ANTENNA—An antenna consisting of 20 feet of insulated wire, wound on a flat fibre spool, is supplied attached to the receiver. By uncoiling this wire and laying it along the baseboard of the room or suspending it out of a window, good reception may be had in the majority of locations. Better results will be obtained by connecting the bared end of the antenna wire to a water pipe or radiator pipe. The pipe should be scraped clean and shiny at the point of contact. Still better results will be had by connecting the wire to a good outdoor antenna, forty to fifty feet long and raised well above the roof.

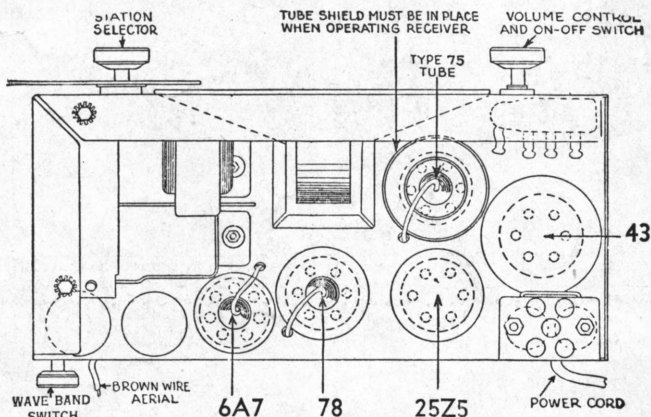


FIG. 1

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CAUTION: When using the radio in a temporary location, be sure to coil up the 20' antenna wire carefully on the spool and tie it, when the set is to be removed. Be careful not to allow the wire to become kinked or twisted.

POWER SUPPLY—Insert the attachment plug into the nearest electric outlet, turn the left-hand knob on the panel about half a turn to the right, and allow a few seconds for the tubes to become heated. The dial should become illuminated at the first "click" as the knob is turned "on."

If your house electric current is D.C. (Direct Current) and no signal is heard from the receiver, pull out the plug, turn it half way around and re-insert in the outlet.

If your current is A. C. and a hum is heard between stations, reverse the plug as explained above.

OPERATION—First see that the wave-band switch (Figure 1) is turned to the left (counter clockwise). This gives reception of standard broadcasts.

Turn the Volume Control knob (Figure 2) to the right or clockwise about half its total rotation; then select the program you desire by turning the Station Selector to the proper frequency number. The figures on the dial, with a zero added, represent the station frequencies in kilocycles, as listed in radio "logs" or on the radio page of the newspaper. For example, a station listed as 760 kilocycles will come in at 76 on the dial. A number of stations and their frequencies are listed on the last page of this folder.

To obtain the best possible tone quality, adjust the Station Selector to the *exact point* where the station is loudest, then regulate the volume to suit your taste, with the volume control. *Do not* reduce the volume by "detuning" the station selector, that is, turning it away from the station, as this will spoil the tone.

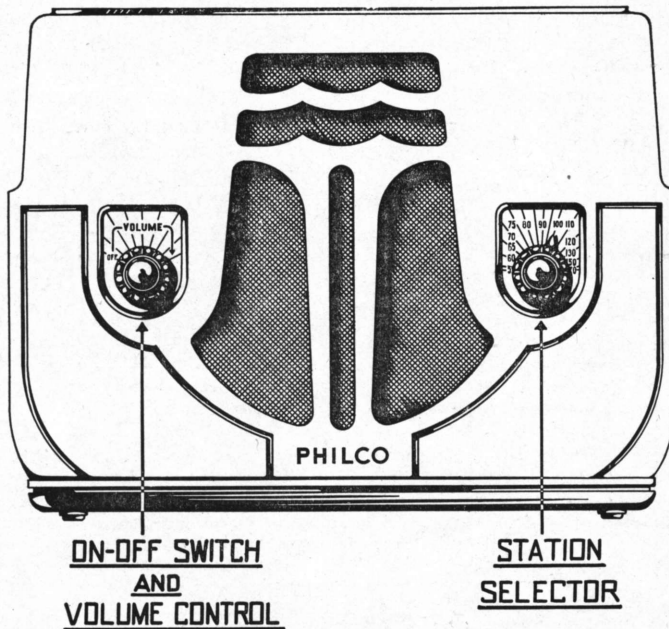


FIG. 2 — Location of Controls

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POLICE AND AIRCRAFT STATIONS—

The small knurled knob located at the rear of chassis (lower right-hand corner when facing panel) — (see Fig. 1) is the wave-band switch, used for changing from standard broadcast to police, aircraft and amateur radio stations. Turn this to the right or clockwise for reception of these special stations. Fig 3 shows the approximate location on the dial where the various types of stations are received, and the table below Fig. 3 gives a more detailed explanation of the locations on the dial corresponding to the several police band frequencies. When tuning in these programs, the selector knob should be rotated slowly, as these stations tune very sharply and might easily be passed over by too rapid movement of the station selector knob.

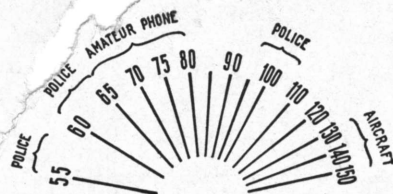


FIG. 3—Location of Police Stations

Dial at 55 - 58 receives 1554 - 1596 KC

Dial at 60 - 65 receives 1662 - 1712 KC

Dial at 95-100 receives 2410 - 2485 KC

A tabulated list of police stations appears on the last page of these instructions.

SERVICE

Conveniently Available Thru Western Union

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. To get guaranteed work, genuine Philco parts, standard prices — call a member of Radio Manufacturers Service.

You can locate the nearest R. M. S. member by simply calling "Western Union" on the telephone, or personally at their nearest office. They will send him to you without obligation.

This Emblem is Your Guarantee



of Honest Competent Radio Service

STANDARD WARRANTY

We warrant each new Radio Receiver and Speaker manufactured by us 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 factory or factory depots any part or parts thereof which shall, within ninety (90) days after delivery of such Receiver to the original purchaser, be returned to us 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 persons to assume for us any other liability in connection with the sale of our Receivers or Speakers.

This warranty shall not apply to any Receiver or Speaker which shall have been repaired or altered outside of our factory or factory depots 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.

PHILCO

REG. U. S. PAT. OFF.

PHILADELPHIA - TORONTO - LONDON

STAN O MC S. A. BROADCASTING STATIONS

| Dial | Station | LOCATION | Dial | Station | LOCATION |
|------|---------|-----------------------|------|---------|-----------------------|
| 54 | CJRM | Chicago, Ill. | 122 | WCAE | Pittsburgh, Pa. |
| 55 | WGR | Buffalo, N. Y. | 122 | WREN | Lawrence, Kans. |
| 56 | WFIL | Philadelphia, Pa. | 123 | KYA | San Francisco, Calif. |
| 57 | WNAK | Yankton, S. D. | 123 | WNAK | Boston, Mass. |
| 57 | WVNC | Asheville, N. C. | 123 | WFBM | Indianapolis, Ind. |
| 58 | KSAC | Manhattan, Kans. | 124 | WYXZ | Detroit, Mich. |
| 59 | KHO | Spokane, Wash. | 124 | WKAQ | San Juan, Porto Rico |
| 59 | WOW | Omaha, Neb. | 125 | WDSU | New Orleans, La. |
| 59 | WEEI | Boston, Mass. | 125 | WGAL | Northfield, Minn. |
| 60 | KFSB | San Diego, Calif. | 126 | KOIL | Council Bluffs, Iowa |
| 61 | KFRG | San Francisco, Calif. | 127 | WJDX | Jackson, Miss. |
| 61 | WIP | Philadelphia, Pa. | 128 | WCAM | Camden, N. J. |
| 61 | WDAF | Kansas City, Mo. | 128 | WDDO | Chattanooga, Tenn. |
| 62 | KGW | Portland, Ore. | 129 | KDYL | Salt Lake City, Utah |
| 62 | WTMJ | Milwaukee, Wis. | 129 | WJAS | Pittsburgh, Pa. |
| 63 | WOS | Jefferson City, Mo. | 130 | WIOD | Miami Beach, Fla. |
| 64 | KFI | Los Angeles, Calif. | 130 | KFAC | Los Angeles, Calif. |
| 64 | WOI | Ames, Iowa | 131 | WHAT | Philadelphia, Pa. |
| 65 | WSM | Nashville, Tenn. | 131 | WTEL | Philadelphia, Pa. |
| 66 | WEAQ | New York, N. Y. | 132 | WADC | Akron, Ohio |
| 67 | WMAQ | Chicago, Ill. | 132 | WMBB | New Orleans, La. |
| 68 | KFO | San Francisco, Calif. | 133 | KSCJ | St. Louis, Mo. |
| 68 | WPTF | Raleigh, N. C. | 133 | WTAQ | Eau Claire, Wis. |
| 69 | CFRB | Toronto, Ont. | 133 | WDRG | Hartford, Conn. |
| 70 | WLW | Cincinnati, Ohio | 133 | WSAI | Cincinnati, Ohio |
| 71 | WOR | Newark, N. J. | 134 | WSPD | Toledo, Ohio |
| 72 | WGNT | Chicago, Ill. | 135 | KWK | St. Louis, Mo. |
| 73 | CKAC | Montreal, Que. | 136 | WFLB | Syracuse, N. Y. |
| 74 | WSB | Atlanta, Ga. | 137 | KMAC | San Antonio, Texas |
| 75 | WJR | Detroit, Mich. | 137 | WDAS | Philadelphia, Pa. |
| 76 | WJZ | New York, N. Y. | 138 | WKBH | La Crosse, Wis. |
| 77 | KFAB | Lincoln, Neb. | 139 | WHEK | Cleveland, Ohio |
| 77 | WFBM | Chicago, Ill. | 139 | KYRA | Little Rock, Ark. |
| 78 | WMC | Memphis, Tenn. | 140 | KLO | Ogden, Utah |
| 79 | KGO | Oakland, Calif. | 141 | KGRS | Amarillo, Texas |
| 79 | WGY | Schenectady, N. Y. | 142 | WEHS | Chicago, Ill. |
| 80 | WBAF | Fort Worth, Texas | 143 | KECA | Los Angeles, Calif. |
| 80 | WFAA | Dallas, Texas | 144 | KDFN | Casper, Wyo. |
| 81 | WCCO | Minneapolis, Minn. | 145 | KTBS | Shreveport, La. |
| 81 | WNYC | New York, N. Y. | 146 | KSTP | St. Paul, Minn. |
| 82 | WHAS | Louisville, Ky. | 146 | WJSV | Mt. Vernon Hills, Va. |
| 83 | KOA | Denver, Colo. | 147 | KGA | Spokane, Wash. |
| 83 | WRUF | Gainesville, Fla. | 147 | WLAC | Nashville, Tenn. |
| 84 | CRGT | Cincinnati, Ohio | 148 | WKBW | Buffalo, N. Y. |
| 85 | WUU | New Orleans, La. | 148 | KOMA | Oklahoma City, Okla. |
| 86 | WABC | New York, N. Y. | 149 | WCKY | Covington, Ky. |
| 87 | WENR | Chicago, Ill. | | | |

U. S. POLICE BROADCASTING STATIONS

| CITY | STATION | CITY | STATION | CITY | STATION |
|--|---------|--------------------------|---------|--|---------|
| MUNICIPAL POLICE—1712 K.G. (1.7 on Dial) | | Columbus, Ohio..... | WPDI | Portsmouth, Ohio..... | WPGI |
| Arlington, Mass..... | WPED | Columbus, Ga..... | WPGO | Reading, Pa..... | WPPE |
| Beaumont, Texas..... | KGJ | Cranston, R. I..... | WFFI | Reno, Nev..... | KGHM |
| Berkeley, Calif..... | KSW | Davenport, Iowa..... | WPGK | Richmond, Ind..... | WPDH |
| Boston, Mass..... | WPGV | Dayton, Ohio..... | KGPN | Rochester, N. Y..... | WDRR |
| Chicago, Ill..... | WPDG | Denver, Colo..... | WPDM | Rockford, Ill..... | WPGD |
| Cincinnati, Ohio..... | WDDD | Des Moines, Iowa..... | KGPN | St. Paul, Minn..... | KGZR |
| Cohasset, Mass..... | WKDU | Detroit, Mich..... | KGZG | Salem, Ore..... | KGZR |
| Dallas, Texas..... | WPGU | El Paso, Texas..... | WCK | Salt Lake City, Utah..... | KGFW |
| Houston, Texas..... | KVF | Flint, Mich..... | WPDX | San Diego, Calif..... | KGZD |
| Lexington, Ky..... | WGTB | Fort Wayne, Ind..... | WMO | San Francisco, Calif..... | KGPD |
| Los Angeles, Calif..... | KGPL | Fresno, Calif..... | KGZM | Santa Barbara, Calif..... | KGZO |
| Medford, Mass..... | WPHG | Grand Rapids, Mich..... | WPEA | Santa Fe, N. M..... | KGPF |
| New Bedford, Mass..... | WPFN | Grosse Point, Mich..... | WPDF | Saginaw, Mich..... | WPES |
| Newton, Mass..... | WPEI | Hickory, N. C..... | WRDZ | Seattle, Wash..... | KGPA |
| Palo Alto, Calif..... | KGHK | Honolulu, T. H..... | KGZA | Sioux City, Iowa..... | KGPK |
| Pasadena, Calif..... | KGJX | Huntington, N. Y..... | WPEB | South Bend, Ind..... | WPGN |
| Pittsburgh, Pa..... | WPDU | Indianapolis, Ind..... | WPFK | Spokane, Wash..... | KGHS |
| Pomona, Cal..... | KNFJ | Jacksonville, Fla..... | WPGO | Swartmore, Pa..... | WPEA |
| Providence, R. I..... | WPGF | Johnson City, Tenn..... | WMDZ | Tacoma, Wash..... | KGZN |
| San Bernardino, Cal..... | KGZY | Mobile, Ala..... | WPFJ | Toledo, Ohio..... | WRDO |
| San Jose, Cal..... | KGPM | Klamath Falls, Ore..... | WPFK | Topeka, Kansas..... | KGZG |
| Santa Cruz, Cal..... | KGZT | Knoxville, Tenn..... | KGPE | Tulare, Calif..... | WFDA |
| St. Louis, Mo..... | KGPT | Kokomo, Ind..... | KGZB | Tulsa, Okla..... | KGPO |
| Sommerville, Mass..... | WPEH | Lansing, Mich..... | WPDF | Utica, N. Y..... | WPGJ |
| Waco, Texas..... | KGZO | Lincoln, Neb..... | WPDJ | Vallejo, Calif..... | KGPG |
| Whittier, Cal..... | KGHY | Little Rock, Ark..... | KGHG | Washington, D. C..... | WPDW |
| | | Louisville, Ky..... | KGZU | Wichita, Kans..... | KGZP |
| | | Lubbock, Texas..... | KGZV | Wichita Falls, Texas..... | WPEW |
| | | Memphis, Tenn..... | WPEG | Woonsocket, R. I..... | WPEN |
| | | Miami, Fla..... | WPEH | Worcester, Mass..... | WPGX |
| | | Miami Beach, Fla..... | WPEI | Youngstown, Ohio..... | WPDG |
| | | Milwaukee, Wis..... | WPEJ | | |
| | | Minneapolis, Minn..... | WPEK | MARINE POLICE—1558 K.C. (1.5-1.6 on Dial) | |
| | | Mobile, Ala..... | WPEL | Boston, Mass..... | WEY |
| | | Mt. Pleasant, N. Y..... | WPEM | Detroit, Mich..... | WKDT |
| | | Muncie, Ind..... | WPEF | | |
| | | Muskegon, Mich..... | WPEG | STATE POLICE—1534, 1574 K.C. (1.5-1.6 on Dial) | |
| | | Nashua, N. H..... | WPEH | Columbus, Ohio..... | WPGO |
| | | New Orleans, La..... | WPEI | Des Moines, Iowa..... | KGHO |
| | | New York, N. Y..... | WPEJ | East Lansing, Mich..... | WRDS |
| | | Niagara Falls, N. Y..... | WPEK | Framingham, Mass..... | WMP |
| | | Oklahoma City, Okla..... | WPEL | Harrisburg, Pa..... | WPPE |
| | | Omaha, Neb..... | WPEM | Middleboro, Mass..... | WPFL |
| | | Palm Beach, Fla..... | WPEF | Northampton, Mass..... | WPEW |
| | | Pawtucket, R. I..... | WPEG | Schenectady, N. Y..... | WPGC |
| | | Philadelphia, Pa..... | WPEH | | |
| | | Phoenix, Ariz..... | WPEI | 2506 K.C.—(2.5 on Dial) | |
| | | Port Huron, Mich..... | WPEJ | San Antonio, Texas..... | KGZE |
| | | Portland, Me..... | WPEK | | |
| | | Portland, Ore..... | WPEL | | |