

PHILCO STATION LOG

Philco Scale Numbers	STATIONS	Alphabetical List	Scale	LOCATION	Alphabetical List	Scale	LOCATION
55	WGR	KDKA	98	E. Pittsburgh, Pa.	WDAE	122	Tampa, Fla.
	WFI-WLIT	KDYL	129	Salt Lake City, Utah	WDBO	112	Orlando, Fla.
	WWNC-WNAX	KECA	143	Los Angeles, Calif.	WDGY	118	Minneapolis, Minn.
	KSAC	KFAB	770	Lincoln, Neb.	WDOD	128	Chattanooga, Tenn.
60	KHQ-WOW	KFI	64	Los Angeles, Calif.	WEAF	66	New York, N. Y.
	KFSD	KFKB	105	Milford, Kans.	WENR	87	Chicago, Ill.
	WIP-KFRC	KFKU	122	Lawrence, Kans.	WFAA	80	Grapevine, Texas
	KGW-WTMJ	KFKX	102	Chicago, Ill.	WFI	56	Philadelphia, Pa.
	WOS	KFMX	125	Northfield, Minn.	WGN	72	Elgin, Ill.
65	KFI-WOI	KFRS	61	San Francisco, Calif.	WGR	55	Amherst, N. Y.
	WSM	KFSD	60	San Diego, Calif.	WGY	79	Schenectady, N. Y.
	WEAF	KGA	147	Spokane, Wash.	WHAM	115	Rochester, N. Y.
	WMAQ	KGMB	132	Honolulu, T. H.	WHAS	82	Jeffersontown, Ky.
	WPTF-KPO	KGO	79	Oakland, Calif.	WHK	139	Cleveland, Ohio
	CANADA	KGRS	141	Amarillo, Texas	WHO	100	Des Moines, Iowa
70	WLW	KGU	94	Honolulu, H. I.	WIOD	130	Miami Beach, Fla.
	WOR	KGW	62	Portland, Ore.	WIP	61	Philadelphia, Pa.
	WGN-WLIB	KHJ	90	Los Angeles, Calif.	WIS	101	Columbia, S. C.
	CANADA	KHQ	59	Spokane, Wash.	WJAS	129	Pittsburgh, Pa.
	WSB-KMMJ	KIDO	125	Boise, Idaho	WJJD	113	Mooseheart, Ill.
75	WJR	KMBC	74	Independence, Mo.	WJR	75	Detroit, Mich.
	WJZ-KVI	KMMJ	74	Clay Center, Neb.	WJSV	146	Mt. Vernon Hills, Va.
	WBBM-KFAB	KMOX	109	St. Louis, Mo.	WJZ	76	New York, N. Y.
	WMC	KNX	105	Hollywood, Calif.	WKAQ	89	San Juan, Porto Rico
80	KGO-WGY	KOA	83	Denver, Colo.	WKBH	138	La Crosse, Wis.
	WBAP-WFAA	KOB	118	State College, N. M.	WKBW	148	Amherst, N. Y.
	WCCO	KOIL	126	Council Bluffs, Iowa	WKY	90	Oklahoma City, Okla.
	WHAS	KOIN	94	Portland, Ore.	WLAC	147	Nashville, Tenn.
	KOA-WRUF	KOMO	92	Seattle, Wash.	WLIT	56	Philadelphia, Pa.
85	CANADA	KPO	68	San Francisco, Calif.	WLS	87	Crete, Ill.
	KWKH-WWL	KSAC	58	Manhattan, Kan.	WLW	70	Mason, Ohio
	WABC	KSCJ	133	Sioux City, Iowa	WLWL	110	New York, N. Y.
	WENR-WLS	KSL	113	Salt Lake City, Utah	WMBF	130	Miami Beach, Fla.
	CANADA	KSOO	111	Sioux Falls, S. D.	WMC	78	Memphis, Tenn.
90	WKAQ	KSTP	146	Wescott, Minn.	WMAQ	67	Chicago, Ill.
	WKY-KHJ	KTBS	145	Shreveport, La.	WNAC	57	Yankton, S. D.
	CANADA	KTHT	104	Hot Springs, Ark.	WNOI	119	San Antonio, Texas
	WWJ-KOMO	KTNT	117	Muscatine, Iowa	WOC	100	Davenport, Iowa
	WBRC	KUOA	139	Fayetteville, Ark.	WOI	64	Ames, Iowa
95	KOIN-KGU	KVI	760	Tacoma, Wash.	WOR	71	Newark, N. J.
	KMBC-WRC	KVOO	114	Tulsa, Okla.	WOS	63	Jefferson City, Mo.
	CANADA	KWK	135	St. Louis, Mo.	WOW	59	Omaha, Neb.
	WCFE	KWKH	85	Shreveport, La.	WPG	110	Fort Wayne, Ind.
	KDKA	KYA	123	San Francisco, Calif.	WPG	110	Atlantic City, N. J.
100	WBZ-WBZA	KYW	102	Chicago, Ill.	WPTF	68	Raleigh, N. C.
	WHO-WOC	KYD	86	New York, N. Y.	WRC	95	Washington, D. C.
	WIS	WABC	124	Waco, Texas	WRUF	83	Gainesville, Fla.
	KFKX-KYW	WACD	132	Tallmadge, Ohio	WRVA	110	Richmond, Va.
105	CANADA	WAPI	114	Birmingham, Ala.	WSB	74	Atlanta, Ga.
	KTHS-WMAK	WBAL	106	Baltimore, Md.	WSM	65	Nashville, Tenn.
	KNX-KFKB	WBAP	80	Fort Worth, Texas	WTAM	107	Cleveland, Ohio
	WBAL-WTIC	WBZ	99	E. Springfield, Mass.	WTAQ	133	Twp. Washington, Wis.
	WTAM	WBZA	99	Boston, Mass.	WTIC	106	Avon, Conn.
	WBT	WCAM	128	Camden, N. J.	WTMJ	62	Brookfield, Wis.
110	KMOX	WCAU	117	Philadelphia, Pa.	WWJ	92	Detroit, Mich.
	WPG-WLWL	WCCO	81	Minneapolis, Minn.	WWL	85	New Orleans, La.
	KS00-WRVA	WCFL	97	Chicago, Ill.	WWNC	57	Asheville, N. C.
	WDBO	WCKY	149	Covington, Ky.	WXYZ	124	Detroit, Mich.
	WJJD-KSL						
	KV00-WAPI						
115	WHAM						
	WOWO-WWVA						
	KTNT-WCAU						
	WDGY-KOB						
	WOAI						
120	WDAE-KFKU						
	KYA-WNAC						
	WACO-WXYZ						
125	KID0-KFMX						
	KOIL						
	WJDX						
	WGAM-WDOD						
	KDYL-WJAS						
130	WI0D-WMBF						
	WADC						
	WAPI						
	WBAL						
135	WSPD						
	KWK						
	WFBL						
	WBBM						
	WBRC						
140	WBT						
	WBZ						
	WBZA						
	WCAM						
145	WCAU						
	WCCO						
	WCFL						
	WCKY						
150							

PHILCO

Balanced-Unit
SUPERHETERODYNE PLUS

Instructions

Models 112, 112A and 112E

THESE models are complete AC electric screen grid superheterodyne Receivers using the new Philco electro-dynamic Speaker.

The Receiver is shipped with the tubes installed in their respective sockets. Before inserting the attachment plug of the Receiver in the AC line outlet, see that all the tubes are seated in their sockets and that the speaker plug is connected to the Receiver (see Fig. 1). The clips of the four wires must be connected to the terminals on the top of the screen grid tubes. The tube shield must be in place over the tubes as shown in Fig. 1. Connect only to a source of alternating current within the limits of voltage and frequency (cycles) as listed in the license notice on the radio chassis.

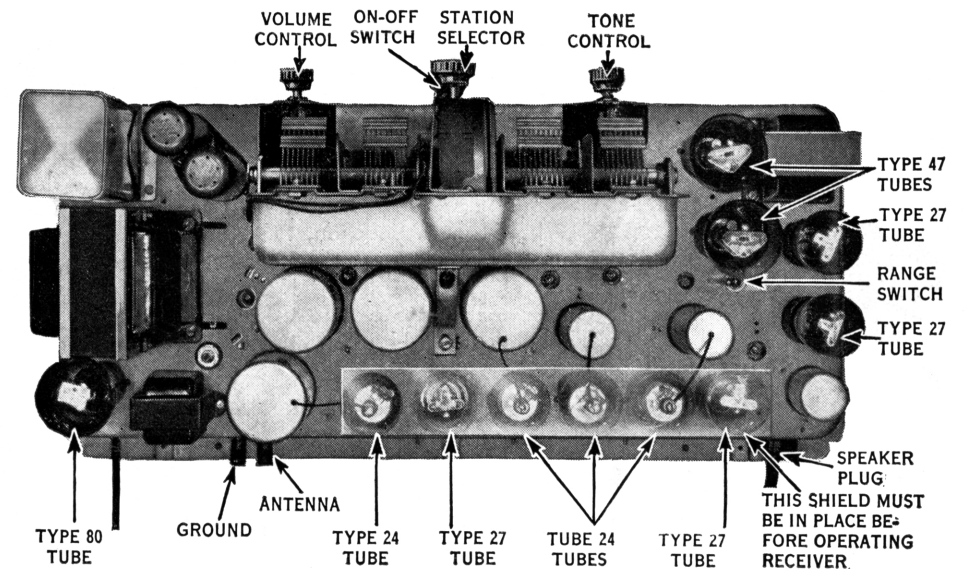


FIG. 1

Eleven tubes are supplied. They are:

- 4 Philco type 24 screen grid tubes
- 4 Philco type 27 tubes
- 2 Philco type 47 power amplifier tubes
- 1 Philco type 80 rectifier tube

Use only Philco tubes in this Receiver for 100 per cent balanced-unit performance,

Aerial

An outdoor aerial, consisting of a single copper wire 50 to 100 feet long, usually gives the best results. The lead-in wire is an active part of the aerial, and the aerial length should always be measured from the Receiver to the insulator at the far end. The outer end of the aerial should be as high as possible and the entire aerial should be spaced well away from trees and buildings and supported by glass or porcelain insulators.

Good results can also be obtained with an indoor aerial 25 feet or more in length. A shorter aerial usually will not be satisfactory.

Ground

A suitable ground clamp and wire must be securely attached to a radiator pipe or water pipe and the bare wire connected to the "GND" terminal.

Use separate insulated wires rather than a two-wire cord for the aerial and ground connections.

Operating the Receiver

After making the aerial and ground connections, the attachment plug on the cord should be inserted into a convenient wall receptacle. Turn on the Receiver by rotating the on-off switch in a clockwise direction. The pilot lamp should light, indicating that the power is turned on. When the on-off switch is turned off, no power is used and the attachment plug need not be withdrawn.

RANGE SWITCH—The Range Switch (see Fig. 1) is left in the NORMAL position when the Receiver is shipped. This gives great distance range and is the setting which will be found most satisfactory in practically all locations. In a dead zone, however, far from any broadcasting station, the Range Switch may be changed to the MAXIMUM position. This will make the Receiver super-sensitive and will give extreme distance range. Do not use the Range Switch in the MAXIMUM position if there are one or more powerful broadcasting stations near you. In any location there will be less noise between stations with the Range Switch in the NORMAL position.

Wait about a minute after turning on the Receiver for the tubes to become heated, then turn the volume control (right-hand knob) clockwise about one-half the total range of movement. Turn the station selector (center knob) and different stations will be tuned in at various points on the scale.

The figures on the Philco scale represent channel numbers which by the addition of a cipher correspond with the station frequency in kilocycles as listed in newspapers and other station logs. For example: 85 on the scale represents channel 85 and a frequency of 850 kilocycles.

The call letters of various stations can be marked with a pencil on the Philco scale. The call letters can be removed and the scale cleaned by means of a pencil eraser.

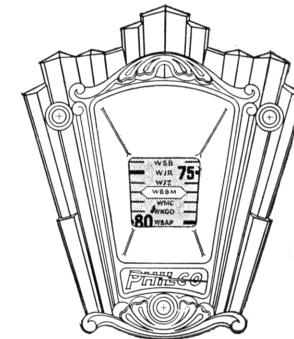
TUNE THE WANTED STATION ACCURATELY to the point where it is clearest and reduce or increase the volume as desired with the volume control. Never reduce the volume of a station by detuning the station selector, as this will spoil the tone quality and bring in static noise.

Always regulate the volume by means of the volume control—never by detuning.

AUTOMATIC VOLUME CONTROL—The automatic volume control incorporated in this Receiver tends to equalize the volume of all stations at the sound level for which the manual volume control has been set. This prevents the blaring of strong stations during tuning and reduces the fading of distant stations. With the volume control in a given position, the reproduction will not vary greatly in volume, even if the tuning is changed from a weak station to a strong one, or vice versa.

PHILCO DIAL—Tuning the new Philco has been made very simple by the glowing arrow indicator on the station recording dial.

You simply log your favorite stations on the dial and then ever afterwards you tune these stations by bringing the call letters exactly under the glowing arrow.



With the volume control at a low setting turn the tuning scale a little above and then a little below the setting originally logged to make sure that the broadcast station has not shifted from its frequency channel.

Increase volume to the desired strength.

Tune accurately for true, clear tone.

CONTROL OF STATION TONE—The left-hand control knob operates the new Philco Tone Control which enables the user to adjust the tone quality of the reception from any broadcasting station to suit his taste.

There are four settings of the tone control which are felt as notches when the knob is turned. These have been named: (1) brilliant, (2) bright, (3) mellow and (4) deep. The approximate position of the dot on the tone control knob for each setting is shown in Figure 2.

With this control it is possible to compensate for differences in the quality of broadcasting from different stations and for differences in the human ear.

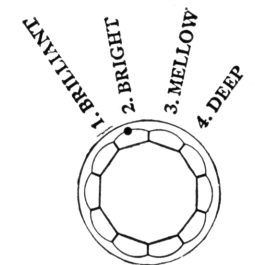


FIG. 2

Setting 1 emphasizes the high notes and thus makes speech particularly sharp and clear. Setting 4 emphasizes the low notes and gives a deep character to the reproduction. Setting 2 will usually be found the most pleasing for music, although, under conditions where static or interference noises are bothersome, setting 3 (or in extreme cases 4) will be best as it will subdue these background noises.

PHILADELPHIA STORAGE BATTERY CO.

Ontario and C Streets

PHILADELPHIA, PA., U. S. A.