

INSTRUCTIONS FOR
INSTALLING AND OPERATING

PHILCO 42-390

A MUSICAL INSTRUMENT OF QUALITY



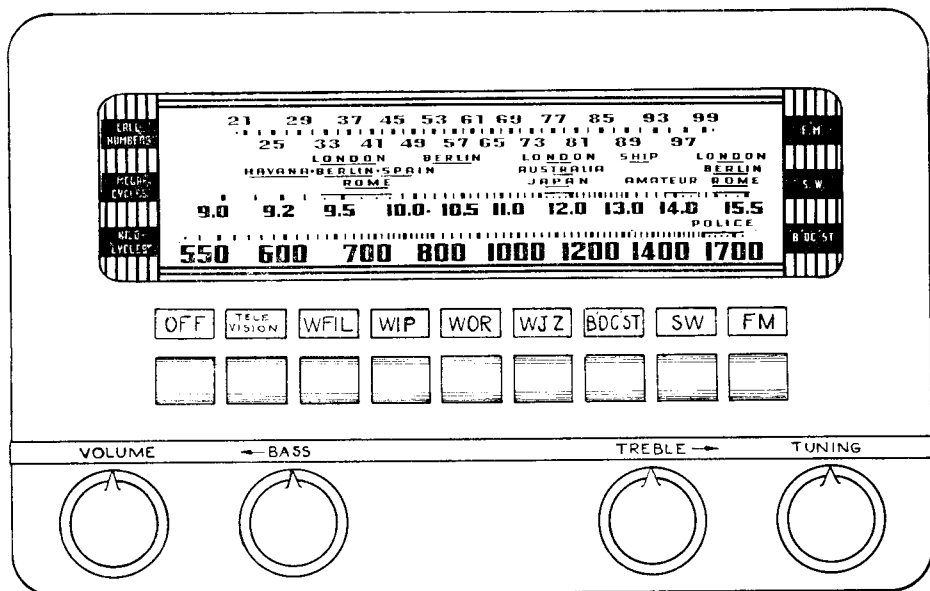
FOR STANDARD BROADCAST, SHORT-WAVE AND
FREQUENCY MODULATION RECEPTION WITH
ELECTRIC PUSH-BUTTON TUNING

Philco Model 42-390 is an eight-tube superheterodyne radio employing two Philco XXL tubes and the new Philco XXFM tube. It is designed for operation on an alternating current (A.C.) supply line.

The line voltage and frequency of this radio are marked on the name label inside of the cabinet. Make sure that these correspond with the power furnished your home. If in doubt, check with your local power company.

This radio is designed to operate over three frequency ranges as follows: 540 to 1720 kilocycles (Kc.) for broadcast reception; a band spread range of 9 to 15.5 megacycles (Mc.) for reception of American and Foreign short-wave stations; and a range of 42 to 50 megacycles for reception of the new Frequency Modulation (F.M.) stations.

The scale is calibrated in kilocycles for the broadcast range, in megacycles for the short-wave range, and in station call numbers for the F.M. range. These numbers are part of the call letters for all F.M. stations.



VOLUME CONTROL

BASS CONTROL

TREBLE CONTROL

TUNING CONTROL

INSTALLATION

After unpacking the radio, make sure all the tubes are pressed down firmly. The name label inside the cabinet will show the relative location of the tubes. The Loktal type tubes may be removed for replacement by rocking them gently in their sockets until the center locking pin is released.

Neither outside aerial nor ground is necessary with this model. The improved Philco Built-in Broadcast and Short-Wave Antenna System has been employed because of its special noise-reducing properties and superior short-wave performance — all with plug-in convenience.

For maximum performance in steel reinforced buildings and other shielded locations a Philco outdoor antenna is recommended. If standard broadcast and short-wave signals do not require an outdoor antenna, a special Philco Dipole Outdoor Aerial may be used alone. This Philco Dipole Outdoor Aerial connects in place of the F.M. Built-in Aerial. If an outdoor antenna is desired for broadcast, short-wave, and F.M. reception, a transformer is supplied to be used in conjunction with the Philco Dipole Outdoor Aerial. This transformer is plugged into the socket from which the F.M. loop connecting plug has been removed. The transmission

line supplied with the Philco Dipole Outdoor Aerial is then connected to the "Red" and "Black" terminals provided on the transformer can for this purpose. If an outdoor antenna is desired for standard broadcast and short-wave only, a Philco Outdoor Aerial may be connected to the "Black" terminal of the transformer can.

The Philco Dipole Outdoor Aerial (Part No. 45-2926), the transformer (Part No. 76-1361), and the Philco Outdoor Aerial (Part No. 40-6370), may be obtained from your Philco dealer. A ground connection is not necessary with either installation.

OPERATION

To operate the radio, push the particular selector button giving the service desired. This supplies power to the radio and illuminates the dial. The radio is turned off by pushing the "OFF" button.

For tuning in the Broadcast Band, push the button labeled "B'DC'ST". To tune in a station, turn the "Volume Control" to about one-half its total range and select the station by rotating the "Tuning" knob.

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

The tone may be adjusted by means of the BASS and TREBLE controls. Turn the BASS Control counter-clockwise to extend the bass range and give more depth of tone.

Turn the TREBLE Control clockwise to extend the treble range and give more brilliance of tone. When a reduction in background noise is desired on distant or short-wave stations, rotate the treble control in a counter-clockwise direction.

For tuning in the Short-Wave Band, push the corresponding button, then proceed the same as tuning on the Broadcast Band. The band spread enables you to tune short-wave more easily.

Short-wave stations are received on the various sections of the dial according to the following general time schedule:

Morning — 11.7-12.0 mc.; 15.0-15.5 mc.

Afternoon — 9.5-10.8 mc.; 11.7-12.0 mc.

Night — 9.5-10.8 mc.

Turning the loop inside the cabinet will cause a variation in the volume of reception on weak stations. This same directional property will also cause an additional reduction in noise interference in many cases. For maximum performance turn the loop until best reception is obtained. This position may vary for different stations.

For F.M. reception, push the button marked "F.M." and select a station by tuning near the number on the dial corresponding to the desired station call number. The tuning of an F.M. station is inherently broad and for best results it is necessary to tune the set accurately in the middle of the received signal. Any other setting such as points off to the side of the correct setting may result in distortion and will not give the purity of tone and freedom from noise for which the set is designed.

ELECTRIC PUSH-BUTTON TUNING

When your set is installed, your Philco dealer will adjust the radio to your favorite broadcast stations and will insert their call letters above the station buttons.

To tune the set with the "Push Buttons", simply push the button below the desired station call letters and your station will be tuned instantly. The volume and tone of the program may be controlled with the VOLUME, BASS, and TREBLE Controls.

This set has been designed to receive the sound of a television program tuned in by the special type Philco Television Set designed for this purpose. If at any time it is desired to use this "Television" sound, your Philco Dealer will make the necessary adjustments on the push button labeled "Television". This button may also be used for playing of phonograph records from a Philco Wireless Record Player.

If at any time it is desired to substitute any station received well in your locality for a station appearing on the call letter panel, consult your Philco dealer and have him make the necessary adjustments.

SERVICE



Look for this
Emblem in your
Neighborhood

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 for us 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.