PHILCO TELEVISION RECEIVER
MODEL 48-1000

Famous for Quality the World Over

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INSTRUCTIONS FOR
PHILCO TELEVISION RECEIVER
MODEL 48-1000

The Philco Television Receiver, Model 48-1000, is a twenty-six tube super-
heterodyne receiver designed to receive television picture and sound broad-
casts. The receiver incorporates the latest advances in electronic science,
including three exclusive Philco developments.

The Philco Multi-Channel Turret Tuner provides for easy selection of
any of the television channels assigned to any area in which the receiver may
be used. The Philco Automatic Micro Tùner electronically monitors the
receiver tuning, instantly making any necessary tuning adjustments. The
Philco Signal Stabilizer controls the received signal so effectively that opera-
tion of the receiver has been greatly simplified. These developments, combined
with precision construction, make this receiver exceptionally trouble-free and
easy to operate.

The receiver operates only on 60-cycle, 110 to 120-volt, alternating current.
Do not attempt to operate the receiver from any other type of power source.
Do not remove the protective cover from the back of the receiver, or attempt
any repairs or adjustments. Should service ever be required, call your Philco
Television Dealer.

INSTALLATION

The receiver will be installed by the Philco Television Dealer or by his
Philco Television Serviceman. He will be of help to the owner in choosing
the most satisfactory location for the receiver. The television picture can be
viewed comfortably by most people at a distance between five and fifteen
feet from the front of the receiver, so a space about five feet by fifteen feet
should be available directly in front of the receiver if the television program
will frequently be viewed by more than three or four persons. The room
need not be in total darkness when viewing a television program, but for
best results the room lighting should not be too bright. Lamps should be
placed so that their light does not fall directly on the picture screen or glare
in the eyes of the viewers. During the daytime, especially in sunlit rooms,
the picture will appear dim, particularly if daylight from a window falls
directly on the picture screen. At the time the installation is made, considera-
tion should be given to provisions for an alternate location in the room, in
case it is desired to move the receiver at a later date.

The proper aerial, properly installed, is of primary importance in the
reception of television programs. Fuzzy, distorted, streaked or jittery pictures
can result from a poor aerial installation. The Philco Television Aerial is
specially designed for use with Philco Television Receivers and will be in-
stalled by the Philco Television Dealer as a part of the installation.
RECEIVER LOCATION CONSIDERATIONS

1. Philco Television Receiver.

2. Readily cleared area in front of receiver.

3. Windows far enough from receiver so daylight cannot fall directly on picture screen. Windows easily shaded if necessary to darken room.

4. Lamps so placed that they cannot cause glare on picture screen.

5. Possible alternate location for receiver.
OPERATION

TO OPERATE THE RECEIVER FOR THE FIRST TIME, or if the controls have been disturbed since the receiver was last used, perform the six steps listed below.

1
Turn the BACKGROUND, CONTRAST and VOLUME controls counterclockwise.

2
To turn the receiver ON, turn the OFF-ON-TONE control clockwise until a click is heard. Wait about one minute for the tubes to warm up.

3
To tune in the station, turn the STATION SELECTOR to the channel number of the desired station. The Philco Automatic Micro Tuner will complete the tuning operation.

4
To adjust the volume of the sound portion of the television broadcast, turn the VOLUME control clockwise until the sound attains a pleasing level.

5
To adjust the background lighting of the picture, turn the BACKGROUND control clockwise until the picture tube is just barely illuminated.

6
To adjust the shading of the picture, turn the CONTRAST control clockwise until the picture has a pleasing range of shades of gray, from intense black to clear white.

The sound and picture program of the television broadcast is now adjusted for the average user. Further adjustments may be made to suit individual preferences.
The sound portion of the television program is adjusted by the use of the VOLUME and TONE controls, while the picture portion is adjusted by the use of the BACKGROUND and CONTRAST controls. Clockwise rotation of the BACKGROUND control increases the overall brightness of the picture. When the general illumination in the room is high, the BACKGROUND control should be adjusted for a brighter picture than it is when the general illumination is low. Too low a setting of the BACKGROUND control produces a dark and dingy picture; while too high a setting causes the picture to appear "thin" or "washed out." Clockwise rotation of the CONTRAST control increases the brightness of the white portions of the picture relative to the overall picture brightness, therefore, the CONTRAST control must be adjusted to correspond to the BACKGROUND setting. Too high or too low a setting of either control produces a poor picture. A little practice in attaining a good balance between settings of the BACKGROUND and CONTRAST controls enables the user to obtain quickly the type of picture presentation most pleasing to the individual.

TO SELECT A DIFFERENT STATION

Simply turn the STATION SELECTOR to the desired channel number. The Philco Automatic Micro Tuner will make all minor tuning adjustments. If the station selected is abnormally strong or weak it may be necessary to readjust the CONTRAST and BACKGROUND controls, as previously described, to obtain the type of picture presentation desired. Usually the Philco Signal Stabilizer will make it unnecessary to readjust any other controls.

TO TURN THE RECEIVER OFF

Turn the ON-OFF-TONE control counterclockwise until a click is heard.

TO OPERATE THE RECEIVER THEREAFTER

Turn the receiver on and select the desired station. Unless the controls have been disturbed since the receiver was last used, no other adjustments will be necessary.
GENERAL INFORMATION FOR THE USER

TELEVISION CHANNELS

While there are thirteen frequency channels assigned for television broadcasting, not more than seven are assigned to any one area. This arrangement was made to prevent interference between stations. Your Philco Television Receiver has been adjusted to provide reception of all television stations in your area. Reliable reception of stations beyond this area cannot be obtained because of the nature of television signals. Consult your local newspaper for broadcasting time and channel number of the local television broadcasting stations.

CARE OF THE RECEIVER

The receiver and its cabinet should be given the same care as any piece of fine furniture. The picture screen may be wiped with a soft cloth to remove dust and fingerprints. Do not subject the receiver to rough treatment. Do not place anything on or against the cabinet in such a way as to obstruct the ventilating openings in the cabinet. Do not attempt to clean inside the cabinet. Do not disturb any of the knobs or adjustment screws on the rear of the chassis or behind the drop panel on the front of the cabinet. Never remove the protective cover from the back of the receiver.

INTERFERENCE

Your new Philco Television Receiver is provided with the latest electronic devices to insure trouble-free reception. In spite of this, certain types of interference may occasionally disturb the television picture.

Streaks of light which flash across the screen intermittently are often caused by automobile ignition, electric motors and similar electrical appliances. Medical diathermy equipment sometimes will cause a "herringbone" pattern of lines in the picture. Short-wave radio transmitters can cause a pattern of alternate light and dark vertical or slanting lines in the picture. Strong interfering signals may cause the picture to jump or drift on the screen. A double-image or "ghost" is the result of the television signal arriving at the receiver by multiple paths. (This can happen because television signals, like radar signals, will reflect or bounce from buildings, mountains and similar objects.)
In most cases the interference will be found to occur only occasionally and may not prove too troublesome. In some cases the interference can be reduced or eliminated by changes at the aerial. If interference is encountered in the reception from a particular station, try a different station. When there is doubt as to the cause of the interference, turn the receiver off and tune in a little later. If the interference persists, consult your Philco Television Dealer.

Ignition Interference

Ghosts

Diathermy Interference

Short-Wave Interference
SERVICE

Your new Philco Television Receiver is a high-quality instrument. It has been built with care and skill and is designed to bring you years of pleasure and satisfaction.

Your Philco Television Receiver is guaranteed under the terms of the Philco Television Warranty. But beyond this, Philco maintains an extensive factory-trained service organization of its distributors, dealers and servicemen, which is constantly available to you as a Philco owner. It is an added value which comes to you with every Philco product.

In accordance with this policy, it is your Philco dealer's desire and responsibility to render any service required under and during the period of the warranty. After the expiration of the warranty, he will be equally helpful in securing necessary repairs and adjustments for you, either in his own shop at reasonable cost or by referring you to a qualified member of "PHILCO SERVICE," a World-Wide Association of Appliance Servicemen.

Television Technicians who are qualified to service the Philco Television Receivers have been thoroughly trained by Philco factory engineers and service experts. They offer capable, reliable service at standard, reasonable labor charges; they guarantee their work, and they use genuine Philco replacement parts and tubes.

Thus, the entire engineering and service resources of Philco seek to insure your long-continued satisfaction.
SUPPLEMENTARY INSTRUCTIONS

FOR

PHILCO TELEVISION RECEIVERS

MODELS

48-700, 48-1000, 48-1050, 48-2500

Sometimes during the course of operating your television receiver a distorted picture similar to figure 2, 3, 4, 5, or 6 may appear, which will differ from the normal picture shown in figure 1. If so, a slight adjustment of either the VERT. HOLD or HORIZ. HOLD adjustment may be required. However, neither adjustment should be disturbed until it is certain that adjustment of the regular operating controls will not correct the distortion.

The use of the VERT. HOLD and HORIZ. HOLD adjustments is ordinarily unnecessary during the regular operation of the receiver; therefore, these adjustments have not been placed among the regular operating controls. The locations of these adjustments for the different models of Philco Television Receivers are shown in figures 7, 8, 9, and 10. Under no circumstances should the setting of any of the other slotted-shaft adjustments be changed.

Figure 1 illustrates the normal picture that will appear on the screen of a television receiver when the VERT. HOLD and HORIZ. HOLD adjustments are correctly set.

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When the picture is similar to figure 2, the VERT. HOLD adjustment should be slowly turned to the right until the normal picture is obtained.

Figure 2.

When the picture is similar to figure 3, the VERT. HOLD adjustment should be slowly turned to the left until the normal picture is obtained.

Figure 3.

When the picture is similar to figure 4, the HORIZ. HOLD adjustment should be slowly turned to the right until the normal picture is obtained, except in Model 48-2500 it should be turned to the left.

Figure 4.
When the picture is similar to figure 5, the HORIZ. HOLD adjustment should be slowly turned to the left until the normal picture is obtained, except in Model 48-2500 it should be turned to the right.

Figure 5.

When the picture is similar to figure 6, the HORIZ. HOLD adjustment should be slowly turned either to the right or left until the normal picture is obtained.

Figure 6.

Figure 7. Rear View of Model 48-700, Showing Location of VERT. HOLD and HORIZ. HOLD Adjustments.
Figure 8. Front View of Model 48-1000, Showing Location of VERT. HOLD and HORIZ. HOLD Adjustments. (See NOTE below.)

Figure 9. Front View of Model 48-1050, Showing Location of VERT. HOLD and HORIZ. HOLD Adjustments. (See NOTE below.)

Figure 10. Front View of Model 48-2500, Showing Location of VERT. HOLD and HORIZ. HOLD Adjustments. (See NOTE below.)

NOTE
To reach the VERT. HOLD and HORIZ. HOLD adjustments in Models 48-1000, 48-1050, and 48-2500, shown in figures 8, 9, and 10, remove the screws which fasten the panel covering the adjustments.