

How to get Maximum Performance  
from your

# PHILIPS "FOUR ACES"

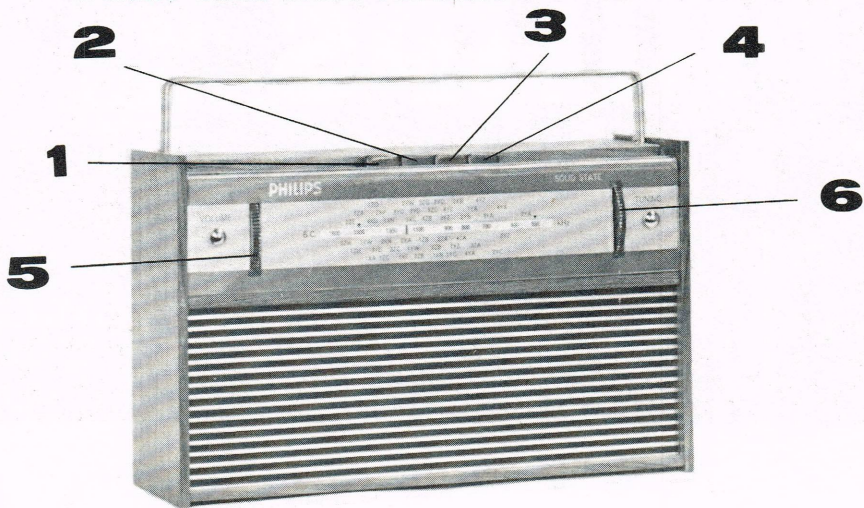


DELUXE  
SOLID-STATE PORTABLE



MODEL 23RL475

## PHILIPS "FOUR ACES" Deluxe Solid-State Portable



Your new Philips radio is a quality product designed to give you many hours of trouble-free listening pleasure. This is a broadcast seven transistor which operates from a self contained power pack or 9 volt battery. Four push buttons control switching on and off, treble tone and bass tone. A built-in ferrite rod aerial gives excellent performance, a socket is provided for an external aerial.

The electronic circuit design gives powerful volume with a wide tonal range because it employs specially developed Hi-Z techniques for transistors. This, together with the big 6" elliptical loudspeaker gives exceptionally high quality sound.

### **POWER SUPPLY:**

This set is already supplied complete with Power Pack. (See Section (B)).

### **BATTERY**

The battery is a 9-volt Eveready type 765, scientifically developed to give maximum performance in transistor radios. It fits into the lower part of the cabinet readily accessible by undoing the screws at the top the back panel of the cabinet with either a screwdriver or a coin.

To put the radio into operation detach the back of the cabinet by unscrewing as above, and take the back off, lifting upwards to slip the base of the back cover out of the slot in the bottom of the cabinet.

Slide the battery into place between the brackets under the chassis and on the floor of the cabinet. Push the two-pin polarised plug into the socket in the top of the battery. Notice that one of the pins is larger and fits the larger hole in the socket. Do not try to force the plug in the wrong way round or the transistors will be damaged immediately the set is switched on.

A fresh battery used four hours every day should last for approximately 600 hours in operation.

### **CAUTION**

If the radio is not going to be used for any length of time, or if the battery power is used up, it is best to remove the battery from the cabinet. A spent or idle battery may corrode and damage the set. This of course would void the guarantee.

### **(B.) POWER PACK**

Philips have especially designed a power pack to replace the 9 volt battery used with the 475T deluxe portable, to allow the set to be used as a mantel set operated from the mains.

This has been packed inside the set, already connected up and ready for use.

(i) To use the set as a mantel:

Simply plug the set in and switch on, operating button (4).

(ii) To use as a portable:

First the power pack has to be removed. Unscrew the back of the portable as instructed in section (A). Unplug the battery lead connected to the power pack from the chassis of the set, and slide the power pack out.

Install the battery as in section (A).

(iii) To re-use as a mantel:

Again unscrew the back of the receiver and disconnect the battery and slide out as for (ii) above. Slide in the power pack and connect the battery lead from the chassis of the set, noting that the large pin is in the large socket in the power pack. Make sure, once connected, you feed the mains lead of the power pack out through the slot provided at the base of the back.

Do not connect the power pack's mains lead to the mains until the back of the portable has been screwed on.

### **CONTROLS**

The push-buttons and controls are numbered on the diagram.

### **SWITCHING ON**

Press button 4 down. The "off" button 1 is automatically released and shows a red signal which indicates that the battery is on. The red signal will remind you to switch off and save battery power when the radio is not being used or a station goes off the air.

### **SWITCHING OFF**

Press button 1 down. The "on" button 4 is automatically released.

## **ADJUSTING THE TONE**

There are two tone controls. Button 2 is the bass cut control. When this button is pressed once, it will stay down and the low note response of the receiver will be decreased. This will give emphasis to the high notes. When the button is pressed a second time, it will release and restore the low note response.

Button 3 is the treble cut control. When pressed once it will stay down and the high note response of the receiver will be decreased. This will give emphasis to the low notes. When pressed again, the button will release and the high note response will be restored.

## **VOLUME SETTING**

The volume control is the thumb wheel control 5 on the left hand side of the dial. Set it for the best sound level.

## **STATION SELECTION**

Use the thumb wheel control 6 on the right hand side of the dial. Select the station of your choice. The complete broadcast band is covered from 517 to 1622 kilocycles. The majority of New Zealand broadcast stations have been marked on the dial scale.

## **IN YOUR CAR**

To use this portable as a car radio, plug your auto radio aerial into the aerial socket at the back of the portable. Of course, the aerial itself must be mounted on the outside of the car. Most late model cars are fitted with suppressors to remove ignition interference, but it may be necessary to have them installed. Ask your dealer.

## **OUTDOOR AERIAL**

Reception will be improved in some difficult country areas by connecting an outdoor aerial to the aerial socket.



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