

INSTRUCTION LEAFLET FOR

# Benkson

## TR 18

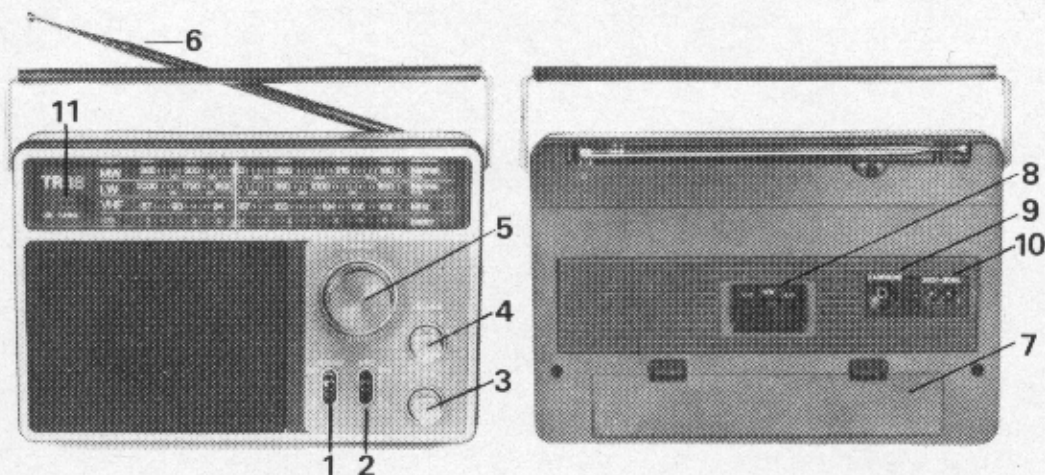
VHF·MW·LW  
Transistor radio

- Battery/mains
- Carrying handle
- LED tuning
- Tone control
- Automatic frequency control switch
- Telescopic aerial
- Earphone



**Benkson**  
*electronics*

## BENKSON TR-18



- 1) ON/OFF switch
- 2) AFC ON/OFF switch
- 3) Tone Control
- 4) Volume Control
- 5) Tuning Knob
- 6) Telescopic Aerial

- 7) Battery Compartment Cover
- 8) Waveband Selector switch
- 9) Earphone socket
- 10) Mains Input socket  
(240 V AC ~ 50hz)
- 11) LED tuning indicator

### BATTERY INSERTION

Remove the battery compartment cover (7) by unclipping the two plastic clips and gently lifting. Insert 4 x 1½ volt SP11 batteries (not included) into the battery compartment, making sure they are the right way round. Replace the cover and your radio is now ready to operate.

### OPERATION OF CONTROLS

Switch the set on by switching the on/off switch (1) to the 'ON' position. Adjust the volume control (4) to the desired volume level. Select the required waveband (Medium wave, Long wave, or VHF) by sliding the waveband selector switch (8). Tune your radio by moving the tuning knob (5) on the front of the cabinet.

MW means Medium wave with a tuning range from 188 to 560 metres (1600 to 535 KHz). LW means Long wave with a tuning range from 1000 to 2000 metres (300 to 150 KHz). V.H.F. means very high frequency with a tuning range from 88 to 108 Mhz. For the music enthusiast there is a tone control (3). It is recommended that the AFC (Automatic Frequency Control) On/Off switch (2) is switched ON when listening to V.H.F.

There is an LED tuning indicator (11) on the dial of this set. The light illuminates when the set is tuned to a station.

## **MAINS OPERATION**

To operate the set on mains power use the mains lead provided. Insert the socket end of the lead into the mains input socket (10) located at the back of the set. Connect the bare ends of the lead to a fused plug and plug into a 240 volt AC ~ 50Hz electric socket. When the electricity is switched on the battery power will automatically be cut off. This is because the set incorporates an automatic battery/mains switching circuit. Until the electricity is actually switched on at the mains the set will continue to operate on battery power.

**IMPORTANT:-** The wires in this mains lead are coloured in accordance with the following code:-

Blue = Neutral

Brown = Live

The wire which is coloured Blue must be connected to the terminal marked with the letter N or coloured Black. The wire which is coloured Brown must be connected to the terminal which is marked L or coloured Red. The plug should be protected by a 3A fuse if a 13A (BS1363) plug is used or if any other type of plug is used, by a 5A fuse either in the plug or at the distribution board.

YOU SHOULD REMOVE MAINS PLUG FROM THE SOCKET WHEN THIS UNIT IS NOT IN USE AND BEFORE OPENING RADIO.

IT IS RECOMMENDED THAT THIS UNIT IS NOT USED IN VERY HOT OR HUMID CONDITIONS.

### **EARPHONE ATTACHMENT**

For private listening insert the earphone plug into the socket provided on the back of the cabinet (9). This automatically disconnects the loudspeaker. Tuning and volume controls are used the same way as in loudspeaker listening. Remove the earphone plug to reconnect the loudspeaker.

### **HELPFUL HINTS**

Battery power consumption is dependent upon the volume level at which the set is operated. Lower volume settings will extend the life of the batteries. Make sure radio is turned off when not in use. As the built-in ferrite aerial is directional, it may be necessary when listening to Medium wave or Long wave to slowly rotate the set until best reception is obtained. For the best VHF reception extend the telescopic aerial (6) to its fullest extent and adjust the position of the aerial in the direction of the strongest radio signal. If the reception deteriorates, or the sound becomes distorted and weak, **CHECK THE BATTERIES**. Never leave exhausted batteries in the set for long periods as they may leak and damage the interior of the radio. The radio cabinet can be cleaned with a slightly damp cloth.

# CIRCUIT DIAGRAM TR-18/MW-LW-VHF

