



# INSTRUCTIONS

FOR OPERATING

## "HIS MASTER'S VOICE"

AUTOMOBILE RADIO

Models 4200 & 4201

Part No. 48405.

SMITHS *R*adiomobile

**T**HE controls of these receivers are easy to operate. Nevertheless, read the instructions carefully so that you can get the best results from your "His Master's Voice" automobile radio.

## OPERATING INSTRUCTIONS

**MODEL 4200 (12 volt)**

**MODEL 4201 (6 volt)**

THE CONTROLS for these receivers are shown in the illustration.

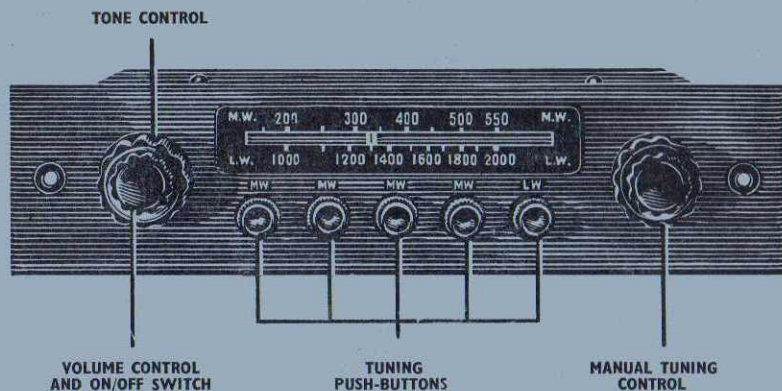
THE COMBINED VOLUME CONTROL AND ON/OFF SWITCH is on the left of the five push-buttons. This control switches the receiver on when turned clockwise and progressive rotation of the control increases the volume. Turning the control fully anti-clockwise will switch off the receiver. Allow about 40 seconds for the receiver to 'warm up' after switching on.

THE TONE CONTROL is concentric with the Volume Control and On/Off Switch and provides selective tone correction for reproduction of either speech or music, by four separate tone settings. The control is turned fully anti-clockwise for speech and fully clockwise for music, the two intermediate settings being provided to suit individual taste.

THE MANUAL TUNING CONTROL is on the right of the push-buttons and provides completely variable station selection. A feature of this control is that the knob will not engage the tuning mechanism until it is pressed in; otherwise the knob will 'idle.' This prevents accidental disturbance of a station-setting previously selected by a push-button.

THE FIVE TUNING PUSH-BUTTONS provide automatic tuning of five stations pre-selected from the Medium and Long wavebands. The right-hand button provides for one station on the Long waveband, the four remaining buttons being employed for Medium Wave pre-selection. The indication "MW" (Medium Wave) or "LW" (Long Wave) is marked on the Tuning Scale immediately above each push-button. Wave-change switching is automatically effected when a button is pressed for any pre-selected station.

THE TUNING SCALE is divided into two sections, 'Medium Wave' and 'Long Wave,' and is calibrated in wavelengths. The tuning pointer has a horizontal traverse and is viewed through a narrow window between the two scale sections. Illumination of the Tuning Scale is by means of "edge-lighting."



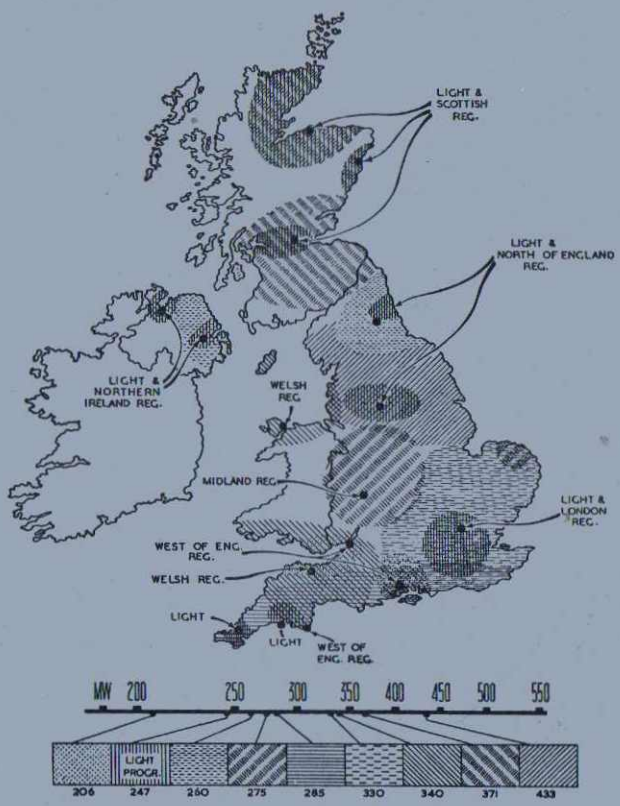
## TO SET UP THE TUNING PUSH-BUTTONS

1. Select the waveband required by pressing the appropriate push-button.
2. Tune-in the desired station by means of the Manual Tuning Control as described previously
3. With the station accurately tuned in, grip the knurled portion of one of the tuning push-buttons between finger and thumb and unscrew it (*i.e.* turn it anti-clockwise) about half a turn.
4. Push the button firmly home to the limit of its travel. Allow it to return to normal position and tighten firmly by turning clockwise. The push-button is now set to tune the station required, and when pressed will select the required station irrespective of the position to which the scale pointer may have been adjusted previously.
5. Proceed in the same manner for the remaining tuning push-buttons.

## SERVICE AREA OF B.B.C. STATIONS

At the present time the B.B.C. broadcasts three alternative programmes—the 'Home,' 'Light' and 'Third.' The wavelengths on which these programmes are broadcast are shown in the table overleaf, while the map (also overleaf) indicates the approximate geographical coverage of the various B.B.C. stations. A glance at this map will show to which station the set should be tuned for best reception in any particular area in the British Isles.

# SERVICE AREAS OF B.B.C. STATIONS



## HOME

West of England	205.9 metres
North of England	} 260.6 "
Northern Ireland	
Midland ... ..	275.7 "
West of England	285.2 "
London ... ..	330.4 "
Welsh ... ..	340.5 "
Scottish ... ..	370.8 "
North of England	433.5 "

## LIGHT

Droitwich ... ..	1500 metres
London ... ..	247.1 "

## THIRD

Droitwich ... ..	463.7 metres
Local Transmitters	194.05 "

Naturally, the best reception of any of the three programmes will be obtained on the wavelength of the broadcasting station serving the area in which the car happens to be situated; for example, in the Midlands the Home programme will be received better if the set is tuned to 275.7 metres (Midland Home Service) than if it is tuned to 205.9 metres (West of England Home Service).

The Light programme is obtainable at good strength in most parts of the British Isles on 1500 metres, except in North Scotland (i.e. North of a line drawn from Oban to Montrose) which is not covered satisfactorily by the Light programme on long waves.

The Third programme is radiated from Daventry on 463.7 metres, and the following local transmitters on the same wavelength. Edinburgh, Glasgow, Newcastle, Hull.

The Third Programme is also radiated from the following local transmitters on 194 metres.  
 Belfast Hull Portsmouth and  
 Bournemouth Leeds Southampton  
 Brighton Liverpool Preston  
 Cardiff Manchester Redruth  
 Dundee Middlesbrough Sheffield  
 Exeter Plymouth