

A104R. A.C. MAINS operated Radiogramophone for use on mains between 200-250 volts, 50-60 c.p.s. Consumption approx. 65 watts at 230 volts plus 25 watts when motor is running. Wave ranges: 16.5-50 m.; 190-550 m.; 970-2,000 m.

BASIC DESIGN. Five valve (including rectifier) superhet receiver operating on short, medium and long waves. Intermediate frequency 465 k/cs. Triode-hexode frequency changer; variable mu pentode intermediate frequency amplifier; double diode detector and low frequency amplifier; output pentode; and rectifier.

TUNING SCALE. There is a full vision illuminated tuning scale for medium and long waves, with the principal stations named. Medium and long waves are on the left, while on the right is the optically projected short-wave scale with continuous cover from 16.5 to 50 metres, any section of which can be spread by the fine tuning control. The short-wave broadcasting bands appear with white station names on a black background. Between the bands the wave-length figures are projected in black on a white background.

CONTROLS. Tone control and on-off switch are on the right-hand side of the cabinet. Within the escutcheon in front are: volume control (left); dual tuning control (centre); and wave range switch (right).

GRAMOPHONE EQUIPMENT. Very high quality record reproduction is obtained from a new light-weight Pick-Up, while the automatic record changer will play up to eight mixed 10 inch or 12 inch records.

CABINET. Straight-grained polished mahogany is used on all the vertical surfaces while the top is veneered with an attractive figured grain. The wave-length scale and controls are presented on an inclined panel at the back of the cabinet so that the scale is easily read. The gramophone equipment is contained beneath a counterbalanced hinged lid.

SIZE. Height 37½ in. Width 30 in. Depth 22¼ in.

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CUSSINS & LIGHT LTD.
RADIO SPECIALISTS,
KINGS SQUARE, YORK

**R A D I O
murphy
G R A M**



A 104. R



THIS is the Radiogram version of the now famous Murphy 'Baffle' Set—A104R. Someone who saw this A104R said "Well you made a great fuss about 'no box' in the table model but, by gum, you've made up for it here. What about box-resonance now?" Good question. It is quite true that in designing a cabinet for a record-changing radiogram we had to face the need for a lot of 'box' and the consequent danger of box resonance. But we have taken successful evasive action. Cabinet boom is mainly caused by sound radiated from the back of the loudspeaker. In the A104R we have incorporated a new form of absorbing device. The vibrations from the back of the loudspeaker are caused to travel into a large number of small tubes where—to put it crudely—they get conveniently lost! Anyway you won't be worried by cabinet boom in the A104R.

You will find the same ease of Short-Wave tuning as on the Table Model. The record changer will handle records of mixed sizes and a new type of high fidelity pick-up not only gives exceedingly good reproduction but also exceedingly low record wear.

The cabinet, in straight-grained and attractive figured grain mahogany, is a beautiful and imposing piece of furniture. In fact, as you may have gathered, we're rather pleased with the A104R. We think you will be, too.

PRICE

£91.13.4

Including Purchase Tax.