

TECHNICAL SPECIFICATION

GRAM MOTOR

Collaro Type AC3/534
200/250 volts. 50 cycles.

PICK-UP

Crystal Type "O" Studio turnover head.
(On/off switch is incorporated with tone arm).

LOUDSPEAKER

8" Extra High Flux Density.

POWER CONSUMPTION

110 V.A.

CIRCUIT

4 valves: ECC83 (V1), 6X4 (V2), 6X4 (V3), 6X4 (V4).
V1 being a double triode, V2/3 output push-pull, V4 rectifier.

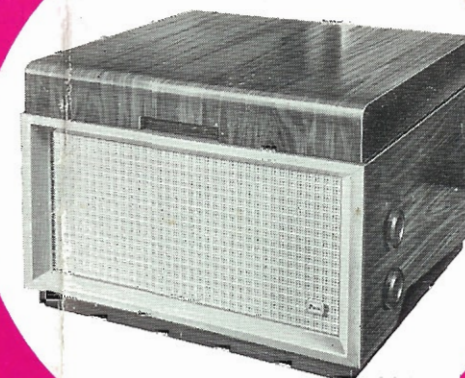
DIMENSIONS

Height 11 $\frac{1}{4}$ ". Width 15 $\frac{1}{8}$ ". Depth 15 $\frac{1}{8}$ ".

*PAM Radio and Television Receivers are only obtainable from
PAM Authorised Dealers*

Pam

W I D E R A N G E



MODEL 610

HIGH FIDELITY RECORD REPRODUCER



FOR THOSE WHO SEEK *Perfection*

The Pam Model 610 Wide Range Record Reproducer represents a brilliant and unique achievement in the field of High Fidelity record production.

You may wonder what is meant by High Fidelity Reproduction. Quite simply, it is a FAITHFUL reproduction of the music as it was originally performed and put on to the gramophone record.

High Fidelity begins, of course, in the recording studio where the record was made, and it is the recent wonderful improvement in recording technique which has made a High Fidelity record reproducer really worth having. The older records were, for the most part, adequately reproduced by the ordinary radiogram or record player, but the quality of the modern record has far outstripped that of the ordinary record reproducer. Large, costly and complicated High Fidelity reproducers have, it is true, been obtainable for some time, but they could not be accommodated by a great many music lovers. **But now here is the Pam Model 610—a Wide Range High Fidelity Record Reproducer that enables everybody to enjoy to the full the superbly lifelike quality of sound available on the modern gramophone record, at a much lower price than hitherto possible.** Ask your Dealer to demonstrate to you the 610—you will be amazed at what you have hitherto been missing with the ordinary type of reproducer.

The following brief details will interest the more technically minded reader. The Model 610 reproduces the full gamut of frequencies on the modern record with the minimum of audible distortion and resonance. This remarkable quality of performance is attained by the accurate matching of selected High Fidelity components—motor, pick-up, amplifier and loudspeaker—and the special acoustic design of the cabinet. Reproduction is of a quality equal to the standard of the recording on all types of records: Normal 78, Seven-inch 45 and Long Play 33½. The Model 610 embodies a 3-speed precision-built rim-drive super-sprung motor unit with minimum "wow", "rumble" and acoustic feed-back. The pick-up is a light-weight turnover crystal type with special extended frequency response, employing cantilever-mounted sapphire styli. Record wear is negligible. The 4-valve High Fidelity amplifier incorporates a push-pull output stage and negative feedback. Volume and treble controls are provided. The 8-inch wide-frequency-range high-flux-density loudspeaker was specially designed for this instrument. The whole space of the stoutly built wooden cabinet is utilised to lower the bass response at least an octave below that of ordinary reproducers of this size, and the special shape of the sound aperture efficiently diffuses high notes. In order to obtain the full range of sound, the lid should be closed whilst playing.

In its highly polished light walnut cabinet, with white loudspeaker grille, the Pam Model 610 makes an elegant addition to any style of interior.

PRICE **37 GNS.** TAX PAID

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POINTS

- * Wide-range High Fidelity reproduction of all records (78, 45, 33½).
- * Manageable size and reasonable price. * Special 8-inch loudspeaker in acoustically designed cabinet. * Unique bass response for size.
- * Efficient high-note diffusion. * 3-dimensional clarity of sound.
- * 4-valve, push-pull negative-feedback amplifier. * Turnover-type crystal pick-up with specially extended response. * Minimum "wow", "rumble" and acoustic feed-back. * Automatic trip-stop. * External volume and treble controls. * Elegant presentation.

A.C. Mains only. 200-250 volts. 50 cycles.



A revolutionary new advance in record reproduction