



777 STUDIO CONSOLE TAPE RECORDER

The functional design of the Rola 777 Studio Console and the operational facilities which have been provided combine to ensure outstanding performance and complete reliability of operation.

FEATURES

- Starting time is "instantaneous" — full, stable, tape speed is attained in less than 0.1 second. In stopping, the tape moves less than one inch at 15 inches per second. Exact curing is routine with the Rola 777.
- Fast word-drop-in editing and silent "Record" operation is ensured by the inclusion of a light-dependent resistor in the "Record" Amplifier and a fully balanced "Erase/Bias" oscillator.
- Forced draught cooling has been provided to ensure stable operation over protracted periods of use.
- A "Reel Size" switch which allows selection of correct torque conditions for either 7 or 10½ inch spools.
- An air-damped compliance arm which eliminates tape overshoot during initial tape acceleration.
- For permanent installations a terminal block at the rear of the unit carries "Bridge Input", "600 Ohms Output", 15 Ohm external "Monitor" speaker output and all "Remote Control" connections.
- The Rola 777 Amplifier has been designed to provide all the facilities and the flexibility of operation normally expected in console-type recorders. It provides:
 - Simultaneous replay monitoring via an inbuilt monitoring speaker.
 - Direct comparison of original and recorded signals at any speaker volume by means of an A-B control.
 - Meter and line switching to either "Record" or "Play" channels.
 - Independent control of "Record" and "Play" amplifiers.
 - Switching so that the meter reads VU, line input, D.C. voltage, A.C. mains voltage, bias voltage, and valve currents.
 - Choice of either low noise carbon potentiometer gain controls or stepped potentiometers capable of varying the gain in 20 steps of 2 db followed by 7 steps of 4 db and one step to infinity.
- Both the mechanical deck and the amplifier unit can be easily withdrawn for maintenance purposes.
- The equipment and cabinet has been tropic-proofed and the cabinet surfaced with an abrasion-resistant material which will withstand the knocks and scratches normally encountered in service. Adequate provision has been made for the storage of 7 and 10½ inch spools.

Optional Extras include Remote Control Equipment, and the Rola Auto Q Automatic Cueing Equipment.

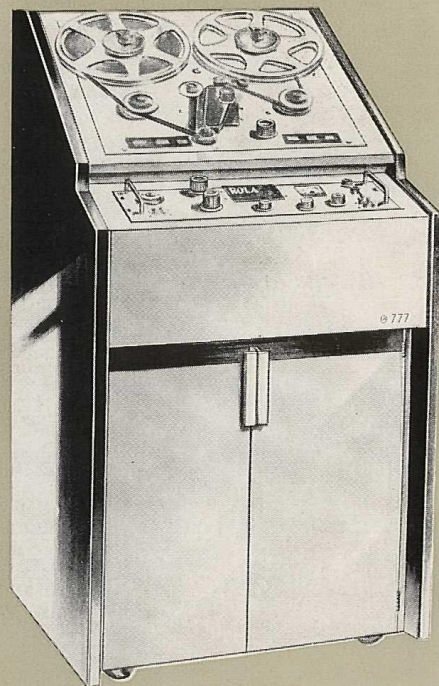
Magnetic Tape Recorder Division

ROLA COMPANY (AUSTRALIA) PTY. LTD.

THE BOULEVARD, RICHMOND, E.1, VICTORIA - - - 42-3921
CALTEX HOUSE, 167-187 KENT STREET, SYDNEY, N.S.W. - 27-6147



777 STUDIO CONSOLE TAPE RECORDER





STUDIO 777 CONSOLE TAPE RECORDER

SPECIFICATIONS

OPERATING METHOD	Press button, electro-mechanical interlock. Separate "Edit/Fast Start", "Stop", "Play", "Record" and "Shuttle" buttons.
OPERATING INDICATION	Pilot lights illuminate the press button corresponding to the function selected.
TAPE SPEEDS	7½" and 15" per second (standard). 3¾" and 7.5" per second (to order).
SPOOL SIZE	Cine type 7" and Professional-type 10½" Spools (B.S. 1568:1960) can be used.
TAPE DRIVE	Three motors, Capstan directly driven by a synchronous dual-speed motor with integral fly-wheel. Take-up and re-wind by separate high-torque induction motors.
STARTING AND STOPPING TIME	Less than 0.1 second.
TIMING INDICATION	Tape Timing indicator driven directly from the tape indicates time in minutes.
TIMING ACCURACY	— 0 + 0.25% of nominal speed.
SPOOLING	Continuously variable. Less than 2 minutes required to spool 2,400 ft. of tape in either direction at maximum speed.
FLUTTER AND WOW	Less than 0.2% at 3¾ i.p.s., 0.15% at 7½ i.p.s. and 0.1% at 15 i.p.s.
HEADS	Separate "Erase", "Record" and "Play" Heads. For simplified head interchange the triple head assembly is designed so that either the complete assembly or individual heads can be readily removed.
AZIMUTH ADJUSTMENT	Individual, positive vernier screw on each head mounting.
AMPLIFIED DISTORTION	Record—Less than 2% from 600 ohm at + 18 dbm input to output level of + 21 dbm. Play—Less than 2% for an output level of + 21 dbm. All measurements at 1,000 cps.
OVERALL FREQUENCY RESPONSE	At 3¾ i.p.s. 50 — 8,000 cps ± 2 db; 40 — 10,000 cps ± 4 db; At 7½ i.p.s. 50 — 10,000 cps ± 2 db; 40 — 15,000 cps ± 4 db; At 15 i.p.s. 40 — 15,000 cps ± 2 db; 30 — 18,000 cps ± 4 db.

RECORDER CHARACTERISTICS	The "Record" and "Play" characteristics are in accordance with the CCIR specifications as laid down in B.S. 1568:1960. Provision has been made for the replay of tapes recorded to the American NAB characteristic. NAB "record" can be supplied to order.
EQUALISATION	Controls are provided for correcting the frequency response of both record and replay channels independently to compensate for varying tape characteristics.
SIGNAL-TO-NOISE RATIO	At both 7½ i.p.s. and 15 i.p.s. not less than 52 db below the 2% T.H.D. level of a signal recorded on the tape and replayed at an output of + 8 dbm.
INPUTS	1. Balanced 600 ohms. 2. Balanced "Bridge-In". 3. Suitable for 50 ohm microphone. Not less than 75 db at + 8 dbm Line Output.
INPUT CONNECTORS	600 ohm and Bridge-In — Standard twin-jacks. Microphone — Trimax S3F socket. (Standard.)
OUTPUTS	Balanced 600 ohms. Unbalanced 15 ohms.
LEVEL METERING	Standard V.U. Meter. Switched to read: (a) Record Level; (b) Line Output; (c) 600 ohm Line Input.
CIRCUIT METERING	A metering switch allows the V.U. meter to be used to indicate valve currents, Bias, Mains and DC Supply Voltages.
MONITORING	A separate built-in monitor amplifier and internal Rola speaker are provided. The monitor amplifier can be connected to either the replay or record circuits by means of an "A/B" monitor control. The output of the monitor amplifier is available at front panel jacks for use with an external speaker if required.
REMOTE CONTROL	Press-button control of all functions.
SAFETY SWITCH	"Play-Safe" switch makes it impossible to accidentally erase tapes when key is removed from lock.
WEIGHT	Approx. 130 lbs.
DIMENSIONS	Height 51", Width 25¾", Depth 24".
SHIPPING MEASUREMENT	23' 2".

Announcing THE NEW 777 STUDIO CONSOLE



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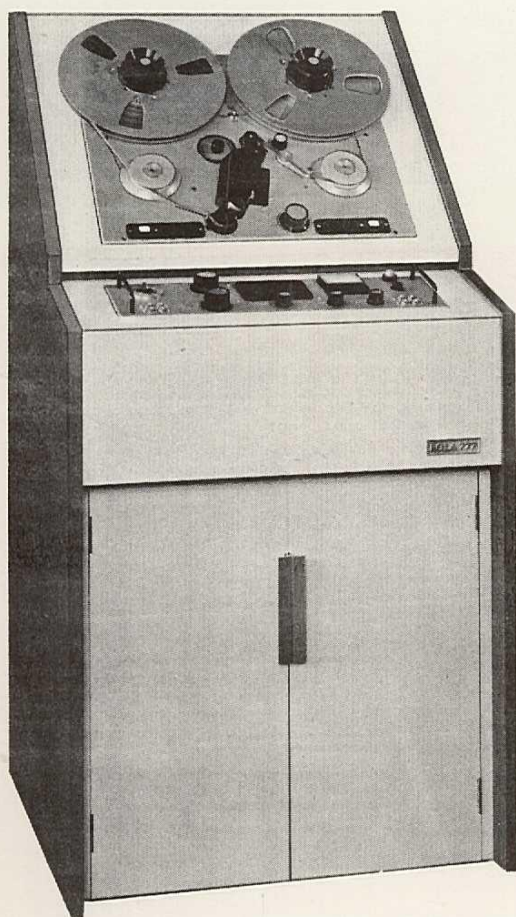
ROLA COMPANY (AUSTRALIA) PTY. LTD.

The Boulevard, Richmond, E.1, VICTORIA. 42-3921. New South Wales Office: Caltex House, Kent Street, SYDNEY. 27-6147



EQUIPMENT DIVISION

TECHNICAL DATA



- ROLA 777 STUDIO CONSOLE -

Professional quality Recording and Broadcast Studio Magnetic Tape Recorder of the highest standard incorporating all desired features.

- * Solid Cast Aluminium precision machined Tape Transport Deck.
- * Professional quality wide band, long life laminated magnetic heads (3 head system).
- * Press button operation with full interlock facilities - extended to the rear for full Remote Control operation.
- * Amplifier - many advanced features. Equalisation in accordance to CCIR, NAB or IEC specifications as requested.
- * Outstanding dubbing and editing features for word drop-in.
- * Console cabinet - modern contemporary design in pastel shades.



A Division Of The
Plessey Components Group

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THE BOULEVARD, RICHMOND, VICTORIA. N.S.W. OFFICE: CHRISTINA ROAD, BOX 2, P.O., VILLAWOOD.

