



breaking the
sound barriers

**Consolidated
Electronic
Industries**

**Reel to Reel
Tape Systems**

Cuemaster 77 Series Reel to Reel Tape Recorders

Consolidated Electronic Industries is the leading manufacturer of professional magnetic recording equipment in Australia.

The company supplies radio and television stations, recording studios, theatres, government departments, public utilities and service organisations with a superior range of products. These include: cartridge tape recorders; transportable and studio model reel to reel recorders; automated broadcasting systems; splice locators and tape erasers; broadcast logging systems; variable message repeaters; automatic verbal announcing systems; facsimile recording equipment; servo mechanisms; industrial control systems; video monitors; computers; and components.

As well as being a major supplier to the Australian market, the company also exports, to Europe, the United States of America, Africa, South East Asia and the Pacific Region.

Consolidated Electronic Industries has long been an innovator in broadcasting equipment technology. The company maintains its dominant position in the market because of its size and flexibility. It is large enough to provide a growing inventory of specialised products, yet flexible enough to respond quickly and positively to the changing needs and exacting demands of this dynamic industry.

77 Mark V 18 cm Transportable 77 Mark VI 27 cm Studio Model

The Cuemaster 77 Mark V is a complete, professional transportable recorder package which is also available either rack mounted or in a studio console housing.

The Cuemaster 77 Mark VI is a professional Studio recorder available rack mounted or in a trolley.

High performance of the Mark V and Mark VI is maintained by the direct drive motor which ensures smooth torque and exceptional wow and flutter performance.

The precision milled 10 mm aluminium deck provides long-term operational stability.

Quiet operation is assured by the use of non-poling solenoids for the operation of the brakes and pressure rollers.

The deck power supply and all associated controls are part of the transport deck assembly. This enables separation from the amplifier module for quick and easy servicing and alignment.

The rear of the tape transport deck is surrounded by a sub-frame which protects the working parts and allows safe and easy handling of the deck during servicing or rack installation.

Both the Mark V and Mark VI incorporate the latest solid state and integrated circuit technology, with extender-board servicing of all circuitry.

There are many excellent operational features standard to the Cuemaster Reel to Reel recorders.

The functional positioning of the illuminated, colour coded controls increases speed of operation and minimises operator error.

The three heads allow simultaneous Erase, Record and Play. The tape path ensures maximum head to tape contact providing optimum audio performance.

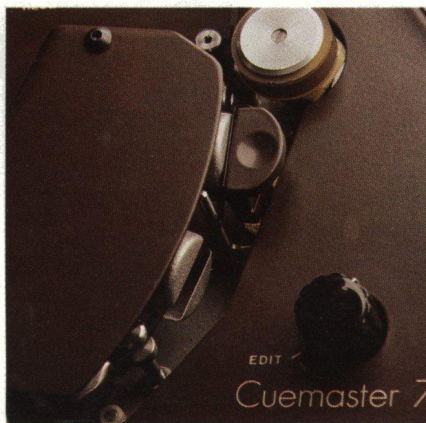
Recording is instantaneous and click-free, either from a stationary start or while dropping-in or over-dubbing. The Play mode can be silently re-engaged without necessarily stopping the machine.

A Record lockout switch is provided to avoid accidental tape erasure. The lockout mode remains in action until the toggle switch is unlocked and switched to the Record position.

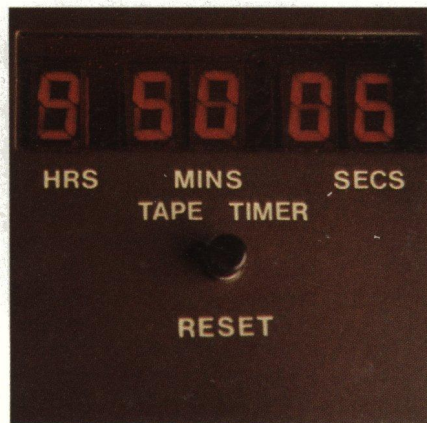
Channel level setting is simplified because unity gain of input and output can be pre-set with the calibrated switch provided.



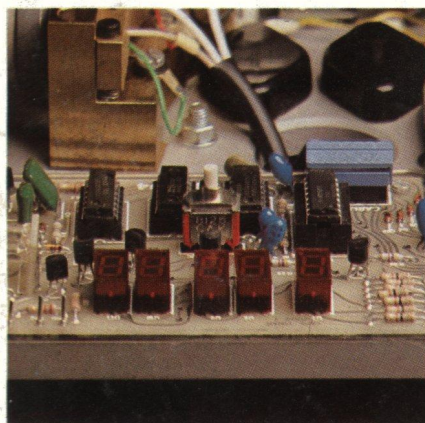
Easy to service



Triple head assembly and hum shield



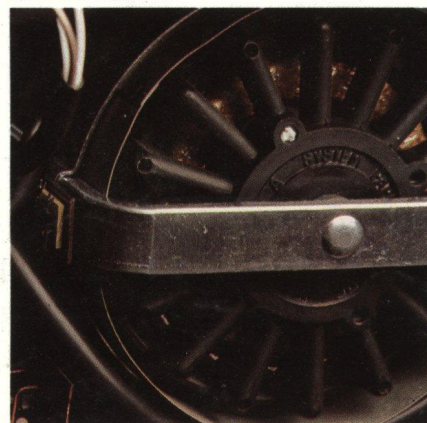
Electronic tape timer



10 mm Aluminium alloy deck plate



Access to amplifier adjustments through cover



Direct drive capstan motor

Cuemaster 2000 Series Reel to Reel Replay Units

Sync editing minimises splicing and editing time. By switching the monitor amplifier to sync while the unit is in the Play mode, the program off tape is monitored by the Record head. When the drop-in point is reached and the Record button is pressed, the new program material is recorded on cue. The Record head reverts to its normal Record mode and the monitoring switches back to the Record input. The tape need not be stopped for accurate cueing.

The spooling control is a low-power sliding linear potentiometer which is simple to use and clearly shows the spool speed and direction.

Program material is easily located because continuous variable speed spooling is possible in both directions, with an accurate timing indicator. Auto tape lift is standard with a manual override enabling off-tape monitoring, by inbuilt speakers or headphones.

Stopping while high speed spooling, even with different size reels, is extremely smooth because the tension controlled dynamic braking protects the tape and does not allow it to 'throw a loop'.

Motion sense is provided to allow Play mode to be selected when spooling without the need to stop the tape.

The electronic timer gives a bright read-out in hours, minutes and seconds. The digits are large and can easily be read from a distance.

Fast, efficient tape threading is provided by the slant 'S' method which has been ergonomically designed to allow direct eye-level access to the heads and tape path.

The head-cover hum shield easily slides into the deck when access to the heads is necessary, such as for marking of edit points. The shield pops up again automatically once the Record or Play button is pressed.

Maximum capstan life is assured because the capstan motor automatically stops after two minutes of inactivity.

The fast start mode can be re-activated by pressing the stop button.

Remote control functions are provided, and a remote control unit is an available option.

The channel input mixing facility provides very flexible operating conditions for multiple source recording.

2025 Mono Replay Unit 2525 Stereo Replay Unit

The Cuemaster 2000 Series professional Reel to Reel Replay Units have been designed to provide dependable, continuous operation, particularly suited to automated or remote control broadcasting systems.

The direct drive motor guarantees the precise speeds necessary for critical automated system timing. Operational stability is ensured by the precision milled 10 mm aluminium deck panel and the machined head mount.

Quiet operation is assured by the use of non-poling solenoids for the operation of the brakes and pressure rollers.

Mother-board assembly and extender-board servicing of all circuitry are built-in features and access to mechanical components is simple.

There are many excellent operational features.

Tape loading and handling of reel sizes from 7.5 cm to 27 cm, in any combination, can be accommodated without setting any reel size or left-right control because of the servo controlled tape tension feature.

Stopping while high speed spooling, even with different size reels, is extremely smooth because the tension controlled dynamic braking protects the tape and does not allow it to 'throw a loop'.

Motion sense is provided to allow play mode to be selected when spooling without the need to stop the tape.

End-of-message 25 Hz cue detection is a built-in feature, there is no need for a separate cue sensor in automated systems. The sensor in the 2000 Series units provides not only a Stop pulse for the deck but also end-of-message relay changeover for an automation controller, and a filter to remove the 25 Hz tone from the audio.

There is an end-of-tape alarm which automatically initiates tape rewind, providing flexible and time-saving operation for both sequencing or real-time automated systems.

The Cuemaster range of Reel to Reel Recorders and Replay Units meets or exceeds all broadcasting and recording studio standards. They offer many features and unrivalled technical performance. Consolidated Electronic Industries is, indeed, 'breaking the sound barriers'.



Cuemaster 2025 Mono Replay unit with Stop cue.

Right; Cuemaster Mark VI





**Consolidated
Electronic
Industries Pty Ltd**

Thornbury
Victoria 3071
Australia

PO Box 21
Thornbury
Victoria 3071
Telex AA 32463
Cables Cepak Melbourne
Telephone (03) 44 0791

Suite 9
1 Chandos Street
St Leonards
New South Wales
Australia
Telephone (02) 439 1229

Overseas Representatives

USA

Benrub Corporation
122 West 30th Street
New York NY
(212) 564 1065

United Kingdom

Granet Communications Ltd
39 Beechcroft Manor
Oatlands Drive
Weybridge
Surrey
(0932) 47785

Sweden

IFO Elecktronik AB
Box 2060
13702 V. Haninge
(0750) 37237

Kenya

Plessey Kenya Ltd
Plessey House
Uhuru Highway
Nairobi
(2) 555 011

Hong Kong

The Plessey Company Limited
Tugu Insurance Building
12th Floor
1 Lockhart Road
Hong Kong
(5) 27 5555

Belgium

Trans European Music S.A.
Koeivijverstraat 105
1710 Dilbeek
Brussels
(02) 569 1823

Germany

R Barth KG
Grillparzerstrasse 6a
D2000 Hamburg 76
Republic of Germany
(040) 229 8883

New Zealand

Cepak Automation Ltd
14 Lloyd Street
Wellington
(4) 736 898

Singapore

Plessey Singapore Private Ltd
14 Shaw Road
Paya Lebar
805 111

Malaysia

Plessey Malaysia Sdn. Bhd.
Lot 55 Bandaran Berjaya
Kota Kinbulu
Sabah
(88) 89321



**Consolidated
Electronic
Industries**