STUDER A812 PROFESSIONAL TAPE RECORDER



Rugged, convenient, and future-safe — the new Studer A812.



STUDER A812 with VU-meter penthouse.

STUDER A812 — A NEW, HIGHLY RUGGED AND COMPACT TAPE RECORDER FOR RADIO BROADCASTING APPLICATIONS

Developed as a "workhorse" for daily use, the A812 represents an unusual combination: although it requires little space, it offers superb mechanical stability, an unsurpassed degree of flexibility plus an ergonomical design.
The A812 features the same processor-controlled transport and amplifier logic as the A820 with its excellent facilities for modern system peripherals.

The high-quality, phase-compensated amplifier electronics on plug-in circuit boards and the superb workmanship down to the last detail exemplify the quality concept of this machine. But also ease of maintenance, once more improved on the A812, is included with each STUDER tape recorder just like the technical support, the exemplary spare parts availability, and the worldwide customer service.

HARMONICAL COMBINATION OF PRECISION ENGINEERING, MICROPROCESSOR AND CONTROL ELECTRONICS

The tape transport of the A812 features a new, highly rigid die-cast aluminum alloy chassis with machined parallel reference faces for accurate tape path alignment.

DIN, NAB or Cine tape reels with diameters up to 12.5" (318 mm) can be mounted with accurate quick-lock adapters (type A80/A820). The tape is transported by advanced, rugged assemblies:

- Brushless AC spooling motors with active 3-phase control producing a "soft", vibration-free torque.
  Low heat dissipation of high-efficiency, switched spooling motor drive amplifiers. The new system



Comprehensive facilities for quick and easy editing
Studer A812.

STUDER A812 — the ideal combination of advanced processor control and practical ergonomics.

ideally combines the benefits of a DC drive with the ruggedness of AC motors.

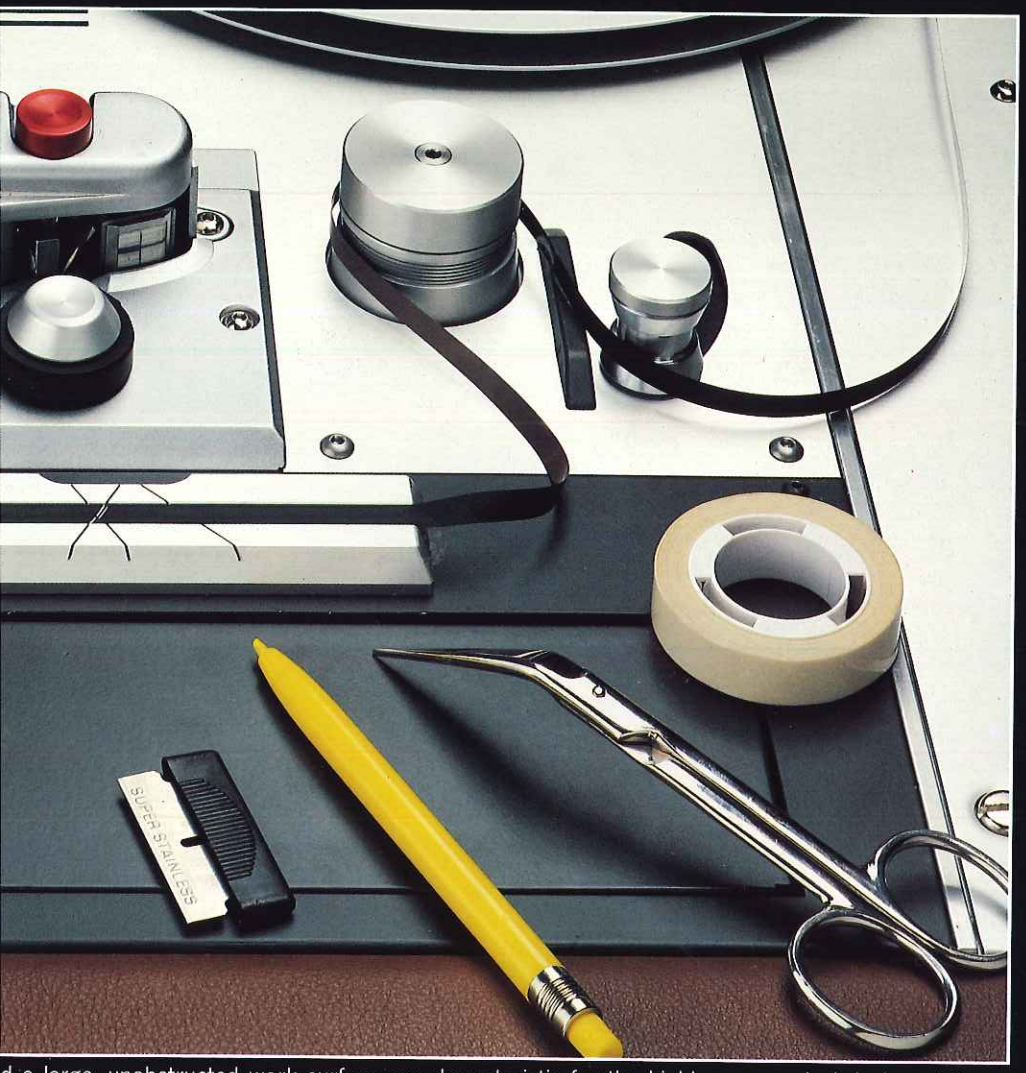
- Brushless precision DC capstan motor controlled by a separate processor. Excellent data within a wide temperature range: guaranteed start-up from −5°C, guaranteed wow-and-flutter data between +5 and 40°C.
- The tape tension sensors and headblock assemblies correspond to the proven system of the A810, but they have been refined and mechanically ruggedized.
- No flutter roller is required because of the "soft" 3-phase spooling motor control.

As a result it became possible to

- arrange the tacho roller on the left-hand side. If desired, the tape timer can now also be used in dump edit mode.
- The complete tape transport is controlled by processors, resulting in excellent starting times and quick stabilization of the tape speed.



Programming and display center for the processor-controlled tape transport and audio electronics.



d a large, unobstructed work surface are characteristic for the highly ergonomical design of the

PROCESSOR-CONTROL FOR AUDIO AND TAPE TRANSPORT ELECTRONICS

The keyboard and the alphanumeric display of the processor control are accessible directly on the operator panel — after the large work surface is tilted up. As a result, facilities are now available that previously were only found on the A820:

- Programming of 1, 2, 3 or 4 tape speeds (3.75 to 30 ips).
- Programmable spooling speed from 1 to 12 m/s.
- Separate library wind function with programmable speed.
- Varispeed (+/−7 semitones) as a standard feature, display format programmable in ips, percent, or semitone deviation from the nominal speed.
- Fully programmable command keys. A menu with over 40 possible functions is available, e.g.:
  - Zero Loc
  - Rollback and Locstart functions with three different sequences of operation.
  - 5 Locstart memories

STUDER A812 — professional quality and reliability in a compact package.



STUDER A812 "EURO version" with monitor speaker in the tape deck, without VU-meter penthouse.

- Reversal of capstan direction (Reverse Play).
- 4 each user programmable fader start and dump edit modes
- LAP (stopwatch function)
- etc...

- All programming operations are prompted on the alphanumeric LC display and can be protected from unauthorized access.
- The tape transport controls include a large LED-type tape timer display with a resolution of 1/10 second.
- Shuttle control with directly storable shuttle speed, with or without tape lifting.
- Noncontacting alignment of all audio parameters under control of the microprocessor (no potentiometers). The settings are indicated on the LC display (in service mode).

HIGH-QUALITY AUDIO ELECTRONICS FOR SUPERB AUDIO PERFORMANCE

- Phase-compensated audio electronics for unsurpassed impuls behavior.
- Powerful RF output stages can drive also high-coercitivity tapes without difficulty.
- Two memory locations for each speed and equalization for storing the alignment parameters.
- Automatic audio alignment by downloading parameters from an external computer via serial interface (option).
- Time code channel (option) with high-speed reader (up to 12 m/s spooling speed for 7.5 ips recordings) and digital delay for time-coincident recording and reproduction.
- Outputs/Inputs configurable with or without transformers.
- High-quality transformerless output stages with +28 dBm maximum output (unbalanced +24 dBm) and excellent common-mode rejection.
- Parallel remote control connector (25-pin) as a standard feature. Serial RS 232/422 connector available as an option.
- A wide range of peripheral equipment and options for (almost) any application are available or in development.

ERGONOMICAL CONCEPT FOR CONVENIENT AND RELIABLE EQUIPMENT UTILIZATION

- Ample legroom in the front section of the machine and convenient access to the electronic modules.
- Tilting tape deck with 5 working and one maintenance position.
- Operator controls arranged in ergonomically favorable positions and large, unobstructed work space in front of the soundheads for easy editing.

A812 VERSIONS

The A812 is available with or without VU-meter penthouse as well as in two basic console versions.

Sales Offices:
Australia, North Sydney 4064700. **Austria,** Vienna 47 33 09 / 47 34 65. **Belgium,** Bruxelles (02) 735 21 93. **Canada,** Toronto (416) 423-2831. **Denmark,** Gentofte 451652340. **Finland,** Helsinki 80/742133. **France,** Paris (1) 533 58 58+. **Germany,** Löffingen 07654/1021. **Great Britain,** London/Herts. 01-9530091. **Hong Kong** 5-441-310 / 5-412-050. **Italy,** Milano (02) 25390121. **Japan,** Tokyo 03-320-1101. **Netherlands,** Gennep 08851-96111. **Norway,** Oslo (02) 356110. **Singapore** 2507222/3. **Spain,** Madrid 2317840. **Sweden,** Solna 08/7340750. **USA,** Nashville (615) 254-5651.
Worldwide: Studer International AG, Regensdorf, Switzerland, (01) 840 29 60.

Some photos show options offered at additional cost.

We reserve the right to make alterations as technical progress may warrant.

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