

**AUTOMATIC
LOCATING SYSTEM
FOR STUDER A80**



The A80 pre-selection unit enables fast and precise location of a programmed tape position. By simply depressing a push button, the system automatically finds a freely chosen tape timer zero point or pre-determined setting. With normally adjusted braking times the locating process takes place without any overshoot.

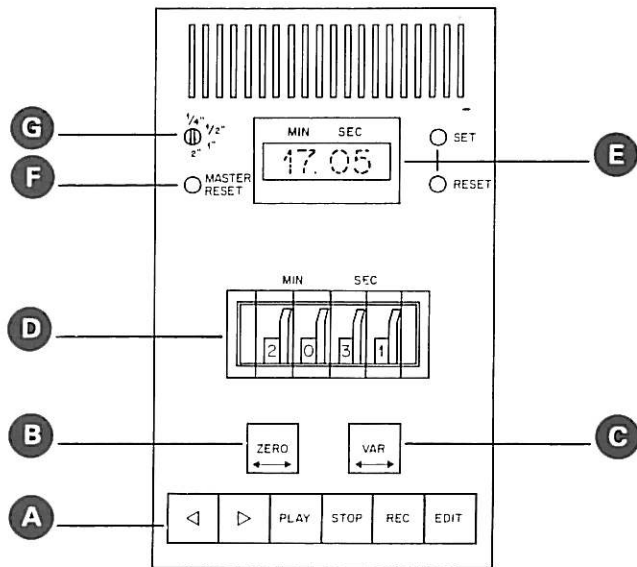
The locating system works with high accuracy due to the use of the pulse signal of the tape timer

electronics: within 1 second on 7.5/15 ips machines and within 0.5 second on 15/30 ips machines. The A80 tape locating system enables speedier working when recording or mixing down by taking the load off the recording engineer.

The tape locating system finds useful applications, not only in recording studios, but everywhere where repeated playback of a recording is necessary.

World Wide Distribution
STUDER FRANZ AG, Professional Audio Equipment,
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DESCRIPTION



Front Panel

- A** Tape transport push button set — in standard order
- B** ZERO button for automatic seeking of tape timer position 00.00
- C** VAR button for automatic seeking of pre-determined position.
- D** Thumbwheel switches for selection of tape position to be found, and for setting the counter.
- E** Electronic minutes-seconds counter with SET and RESET buttons.
- F** MASTER RESET button.
- G** Switch for selecting tape width (1/4, 1/2, 1 and 2 inch)

Back Panel

contains the following elements:

- 36 pole Amphenol connector for tape transport function.
- 24 pole Amphenol connector as output for additional read-outs (on request).
- 14 pole Amphenol connector for power.
- 3 fuses
- plate for interrupting chassis 0.0 connection
- switch 50/60 Hz.

The complete unit is housed within dimensions 200x120x105 mm and is suited for fitting into a wooden surround for surface use.

Functions

Depressing either of the buttons ZERO or VAR sets the automatic seeking in progress. Button ZERO locates the tape position 00.00 of the tape timer **E** and button VAR the position selected by the thumbwheel **D**.

The seeking process is stopped:

- a after reaching the pre-determined tape position whereby the machine goes to STOP or PLAY.
- b by pressing the STOP button.
- c automatically, e.g. at the end of the tape.

Whereas the push buttons **A** have their normal function when the seeking process has not been activated, there are the following differences when seeking is in progress:

- a FORWARD/REWIND dominate as long as the buttons are depressed, after release the automatic takes over again.
- b PLAY: cannot be activated.
By pressing the PLAY button during the automatic sequence this function is pre-programmed so that the machine goes straight into PLAY after stopping at the pre-determined point.
Should the machine be desired to go into PLAY before the end of the seeking process, then both buttons STOP and PLAY must be pressed together.

The MASTER RESET **F** button sets both the counter **E** and the counter in the machine to zero.

RESET button sets only the pre-selection counter **E** to zero. This means that the tape machine counter can be used for the actual time of a production, whereas the pre-selection counter **E** can, for example, be reset to zero for each programme section. Button SET sets the pre-selection counter **E** to the value selected on the thumbwheel.

The 2 switches 1/4-1/2-1-2 inch **G** and 50/60 Hz enable, together with the automatic matching to tape speed, an optimally fast approach to the pre-determined tape position without overshooting this point.

Limitations

- counter and system are an inseparable unit in one housing.
- half seconds are shown on 15/30 ips machines, however the thumb wheel can only be set to full seconds. So whereas the ZERO button can seek to an accuracy of within 0.5 seconds, the counter can only be set to full seconds.
- no provision is made for the connection of further transports.
- the automatic functions are not removable
- pre-programming of the function RECORD, similar to the function PLAY, is excluded for safety reasons.
- the 24 pole Amphenol connection on the back panel, as output for further read-outs, is only built in on request.

Powering

Power is fed to the unit by the 14 pole Amphenol connector "SUPPLY". Requirements are:

+ 10 V / 2A)	unstabilised
— 10 V / 200 mA		
+ 31 V / 200 mA		

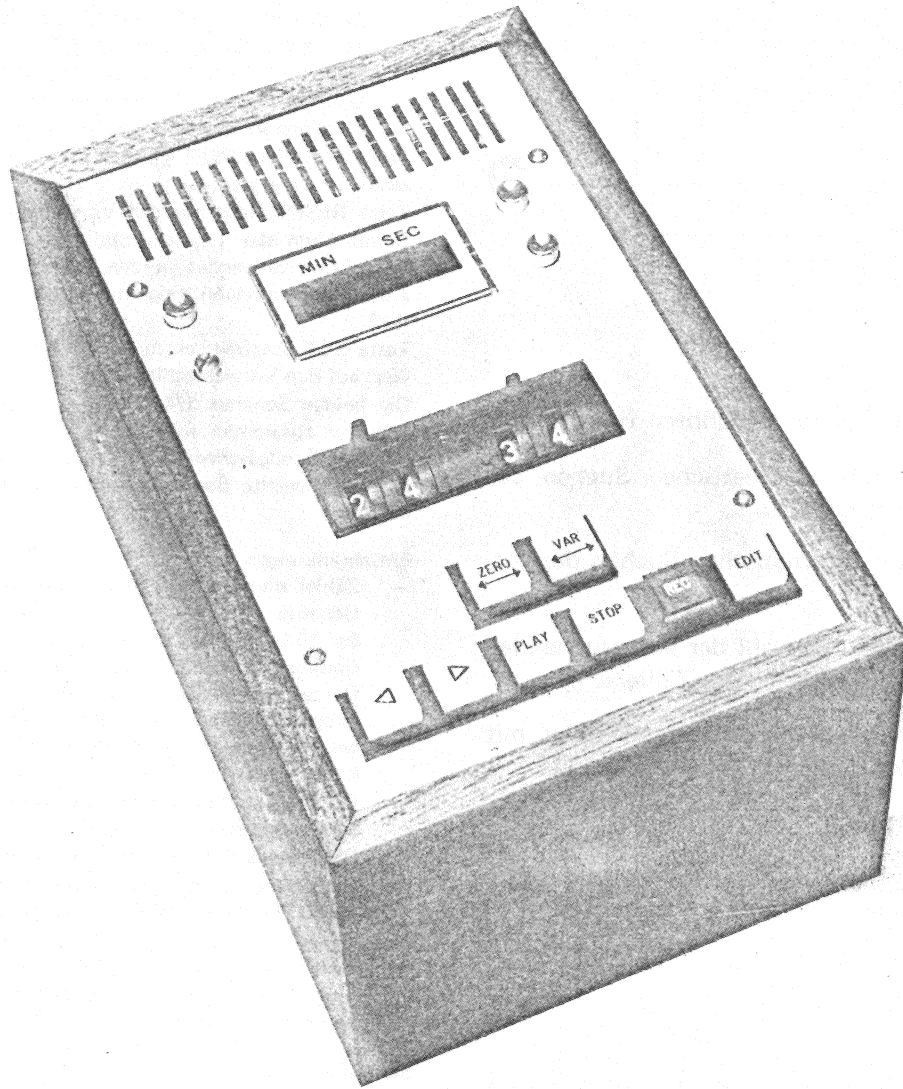
the stabilisation is built in.

The above voltages can be taken from the "REMOTE POWER SUPPLY" which can be mounted up to 20 m away (with good sized conductors) or, for example, lower down in the mixer.

This "REMOTE POWER SUPPLY" can be simultaneously used for powering further A80 accessories.

We reserve the right to make changes in the interests of technical advance.

Vorwahleinheit zu STUDER A80



Die A80-Vorwahleinheit ermöglicht ein schnelles und präzises Auffinden einer vorprogrammierten Bandstelle. Durch einfachen Tastendruck wird eine frei gewählte Bandzähler-Nullstellung oder eine vorgewählte Bandzeit automatisch aufgesucht. Bei normal eingestellten Bremszeiten erfolgt der Einstellvorgang ohne Überfahren der vorgewählten Bandposition.

Durch die Verwendung der Taktimpulse der Bandzähler-Elektronik arbeitet die Vorwahleinheit mit

hoher Genauigkeit: innerhalb einer Sekunde bei 7.5/15 ips-Geräten, innerhalb 0.5 Sekunden bei 15/30 ips-Geräten. Mit der A80-Vorwahleinheit wird der Tonmeister bei Aufzeichnungen und beim Abmischen entlastet, was ein rationelleres Arbeiten ermöglicht.

Nicht nur in Aufnahmestudios ist die Vorwahleinheit von grossem Nutzen, sondern überall dort, wo das mehrmalige Abhören einer Aufzeichnung notwendig ist.

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