THE A-8LR AT A GLANCE

SPECIFICATIONS

TAPE	¼ inch tape width, 1 mil base
FORMAT	8 track, 8 channel
REEL SIZE	7 inch
TAPE SPEED	15 ips (38 cm/s), ±0.5%
PITCH CONTROL	±10%
LINE INPUT (x4)	−10 dBV (0.3 V) Impedance: 15 k ohms unbalanced
LINE OUTPUT (x8)	−10 dBV (0.3 V) Load impedance: 10 k ohms or higher, unbalanced
RECORD LEVEL CALIBRATION	0 VU referenced to 250 nWb/m of tape flux
EQUALIZATION	IEC (35 µs)
WOW & FLUTTER	±0.06% peak (IEC/ANSI), weighted Measured with flutter tape
STARTING TIME	Less than 0.5 sec.
FAST WIND TIME	130 seconds for 1800 ft. of tape
REWIND/FAST FORWARD TIME	180 seconds for 1,800 feet
OVERALL FREQ. RESPONSE	45 Hz−18 kHz, ± 3 dB,
SIGNAL-TO-NOISE RATIO	75 dB weighted, 60 dB unweighted referenced to 3% THD level (10 dB above 0 VU at 1 kHz
THD	Less than 1% at 1 kHz, 0 VU
CROSSTALK (REPRODUCE)	55 dB typically (at 1 kHz)
ERASURE	Better than 70 dB at 1 kHz
POWER REQUIREMENTS	120/220/240 V, AC, 60W
DIMENSIONS overall	14" (H) x 13½" (W) x 6¾" (D) 360 mm (H) x 340 mm (W) x 170 mm (D)
WEIGHT	29 lbs (13 Kg)

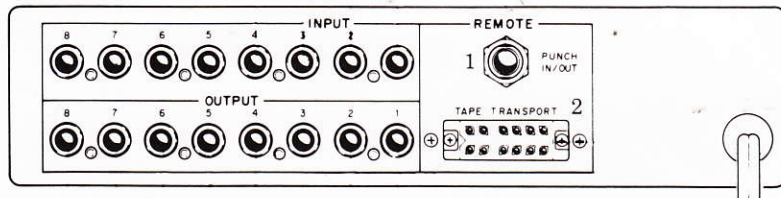## FRONT VIEW

1. Reels are 7". You get 22 minutes with 1800' of 1 mil tape. And easy availability no 10½" reel can offer.
2. Two head format: erase and record/play.
3. Pop-up head shield to reduce stray hum and noise.
4. Eight VU meters, selectable to read either track input or off-the-tape.
5. Record Ready LED indicator
6. Group selector lets you record on tracks 1 through 4 or 5 through 8 simultaneously.
7. Record Track buttons for punching in/out.
8. Monitor selector lets you monitor off-the-tape (playback) or from the input signal.
9. Return-To-Zero memory (with digital counter) lets you get back to the beginning of a song or take quickly.
10. A ± 10% pitch control operates in both play and record modes.
11. Edit mode lets you spool off unwanted tape.
12. Compact and lightweight (just 29 lbs.).

BACK VIEW

1. Footswitch jack accepts optional footswitch for hands-free punching in/out.
2. Full-function remote control jack.

OPTIONAL FACTORY MODIFICATIONS AVAILABLE

Speed option: 7½ ips.
Alternate EQ set-ups (IEC standard).
Synchronized Interface.

OPTIONAL ACCESSORIES

8030 Remote Control
8050 Punch-In/Out Footswitch
9050 Flight Case
9007 7" Metal Reel
9901-1 Rack Mount Adaptor
9901-2 Filler Panel

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Specifications may change without notice.
Test tapes and service manual available from factory.

THE 8-TRACK FOR THE '80s

DESIGN CONSIDERATIONS.

In the spring of 1981 a quiet revolution started. Fostex introduced 8 tracks on quarter-inch tape with built-in Dolby C* NR.

Since overdubbing is the essence of the multitrack tape recorder, the A-8 was designed to record on up to four tracks at a time. It continues to work like a charm

But some applications require the capabilty of recording on up to all eight tracks at once, thus the A-8LR.

It weighs only 29 pounds and is about the size of twenty albums stacked together, which makes it ideal for remote recording and other multiple microphone applications.

THE TRANSPORT:

Rather than use an old overweight clunker, we created a new, streamlined transport for the A-8. Designed exclusively for multitrack applications.

Three high-efficiency DC motors are used. They consume less power, generate less heat, provide lower overall weight and bulk, and deliver better slow-speed stability than the AC motors in popular use.

There's a servo circuit on the capstan motor to eliminate speed variations. The transport commands are all IC logic-controlled. And there's full motion-sensing in all modes to eliminate tape stretch and breaking.

THE ELECTRONICS.

If "8 tracks on ¼" tape" sounds amazing, wait until you hear the A-8. The sound is really impressive.

The A-8 has our newly designed DC FET repro amp. A full frequency response sync head (for truer sync playback fidelity). And built-in Dolby C* noise reduction (defeatable for alignment).

Servicing is easy, too. The bottom panel flips out to give you access to all the calibration controls. All the record/play electronics are on plug-in cards. The transport electronics are located on a hinged PC board. And most components (ICs, etc.) use industry-standard part numbers for ready availabilty.