



The ATS-1 features:

- Two channels of analog tape simulation
- Up to four tape machine models
- Up to four tape formulation models
- 7.5, 15 and 30 ips speed selection
- Bias, LF and HF EQ, and Hiss
- User-installable upgrade cards

The ATS-Analog Tape Simulator is the first product that uses the AnaMod process for modeling complex analog circuitry entirely in the analog domain. Specially developed analog building blocks are 'coded' to emulate the behavior of a complex analog system. Unlike digital plug-ins or processor-based outboard gear, there is no latency, and no A/D or D/A conversions to compromise the sound. The result is a faithful recreation of the original response, without using the original analog hardware.

All of the important features of a two-track analog tape machine are found in the ATS-1, including speed selection, bias, LF record and HF Repr EQ, and the option of adding tape hiss, if desired. The reference 'record' level, as indicated on the illuminated VU meters, can be adjusted from 0 to +12 dBu in 3 dB increments.

The ATS-1 accurately models the behavior of specific tape machines and tape formulations, and allows the user to select from up to four machine and tape types. Optional machine and tape types will be available on easy-to-install SIMM cards.

By popular demand, wow and flutter is not included.

RECORD

When the RECORD switch is depressed, the switch is illuminated and the ATS-1 tape simulation is activated.

STOP

When the STOP switch is depressed, the switch is illuminated and the ATS-1 is placed in hard bypass.

INPUT

The INPUT controls are continuously adjustable from -15dB to +15dB. Unity gain is at the center position.

OUTPUT

The Output controls are continuously adjustable from -15dB to +15dB. Unity gain is at the center position.

MACHINE TYPE

This rotary switch selects any one of four possible tape machine simulations, as determined by the SIMM cards installed in slots 1-4.

TAPE FORMULATION

This rotary switch selects any one of four possible tape simulations, as determined by the SIMM cards installed in slots A-D.

SPEED

This switch selects 7.5, 15 or 30 ips operation.

BIAS

The BIAS control sets the effective bias level in the record circuit. The center position is the standard amount of overbias per tape formulation.

LF RECORD

The LF RECORD control adjusts the low frequency EQ in the record circuit. The center position is standard alignment.

HF REPRO

The HF REPRO control adjusts the high frequency EQ in the playback circuit. The center position is standard alignment.

REF. LEVEL

The reference level of the VU meter can be adjusted from 0 dB (185 nW/m) to +12 dB in 3dB increments.

HISS

The hiss level can be set from off to way too much.