

## **Analogue Tape Machine Alignment**

Send 0VU from console groups, switch machine to input on all channels and check the in/out levels first. Adjust for unity if out of whack.

Playback 1K tones on repro and adjust for 0VU on machine meters

Playback 1K tones on sync and adjust for 0VU on machine meters

To do azimuth, switch machine to repro, (plug machine up desk tape monitor returns) set all line inputs or monitor return gains to 0 (or centre detent) all pans to centre, and all faders to -10. Play back 10K and adjust mix bus meters to around 0VU. Tweek repro head azimuth for maximum output on mix bus.

Repeat for doing sync head azimuth.

Playback 10K tones on repro and adjust for 0VU on machine meters

Playback 10K tones on sync and adjust for 0VU on machine meters

Put all tracks into record and send 1K from oscillator at 0VU.

Adjust record gain for 0VU on recorder with machine switched to repro.

Put all tracks into record, send 10KHz and adjust bias for upwards until the tape is over-biased by the amount recommended by the tape manufacturer for tape type and speed. Machine switched to repro.

Put all tracks into record and send 1K from oscillator at 0VU. Re-adjust record gain for 0VU on recorder. Machine switched to repro.

Put all tracks into record, send 10KHz and adjust record HF until meters read 0VU. Machine switched to repro.

Put all tracks into record, send 100Hz from oscillator and adjust repro bass until meters read 0VU with machine switched to repro.