Set-Up and Alignment ES-8 Variable Mu Limiter December 2000

1. Turn unit on - warm it up for at least 20 minutes.

2. Zero both meters in GR mode.

3. Zero DC balance: set for 0.00V across DC BAL test points (IN FRONT OF 100Ω DC BAL 1 and DC BAL 2 trimmers)

4. Apply 400Hz tone at +4dBu into both channels - rotate input controls fully clockwise.

5. Set both outputs to 12:00. Switch meters to OUTPUT.
   a. Adjust GAIN 1 and Gain 2 trims for +4dBu (0VU) on the output meters.
   b. Reduce input levels, set output controls to MAX, adjust CH 1 and 2 for equal output.
   c. If necessary, adjust knob position on CH 2 for equal levels at 12:00 position.
   d. reduce output levels to 12:00, rotate input fully clockwise. Meters should read 0VU.

6. Link Channels 1 and 2
   a. Set Meter to Output.
   b. Set Outputs for 0VU.
   c. Increase Threshold on CH1 for -5dB gain reduction on CH1 meter.
   d. Set L/R balance for equal GR on CH1 and CH2 at -5dB.
   e. Set Meters to Gain Reduction.
   f. Adjust GR Cal for -5dB on both meters.

7. Split Channels 1 and 2
   a. Verify that TH setting for channel 1 and 2 correspond to the same gain reduction.

8. Control Voltage Null
   a. Warm up unit for at least 20 minutes.
   b. Link Channels 1 and 2. Put channel 1 in 'FAST' mode.
   c. Insert test signal (voice-over) into Sidechain insert 1 (ring input)
   d. Adjust AC BAL for minimum CV feedthrough (by ear) on both channels.
   e. Readjust DC NULL only if necessary. Check for equal CV null for both channels.

9. Repeat check for equal output levels on CH 1 and 2.
   Adjust GAIN trimmers if necessary.