

REVISED DORROUGH METER CALIBRATION PROCEDURE (Series 1 only)

Check R15 and R16 for a $10k\Omega$ resistor. If $10k\Omega$, perform the calibration procedure with values of -20dBu instead of -40dBu , and $+20\text{dBu}$ instead of 0 , in steps 1 and 5. With a $1k\Omega$ or $2k\Omega$ resistor in R15 and R16, proceed as follows:

1. Apply a -40dBu signal to left channel input.
2. Adjust VR13 (L) until DS4 on the signal board is illuminated (DS1,2,&3 are dark).
3. Adjust VR46 (Peak Low Set) for $.05V \pm .03V$ at T.P.8. Repeat procedure with VR44 (Average Low Set) at T.P.9. Average is very slow at bottom of its range.
4. Measure voltage at pin 1 of U9 on the LED board. This voltage should read approximately $4.00V$. On models 40 and 60D40, this is adjustable by VR1 (adjust for $4.00V$).
5. Increase signal to 0dBu . Adjust at T.P.8, VR49 (Peak High Set) for $4.00V$ found at step 4, and add $.05V$. Repeat procedure with VR48 (Average High Set) at T.P.9.
6. Check step 3 and re-adjust as necessary.
7. Check step 5 and re-adjust as necessary.
8. Calibration complete. Apply nominal reference to input and adjust VR13 for "0" on the display.