

G1176 Calibration

April 14, 2005

1 G1176 Calibration Procedures

1.1 Adjustment 1

"Q Bias". This is set by bypassing the unit, putting through a signal, adjusting in- and outlevel so output is around +1dB, and adjusting the trimmer until a level drop of 1dB is achieved. This sets the FET start point in the beginning of it's conducting range.

1.2 Adjustment 2

"Dist. trim". Bypass the unit, input a 1kHz, 0dB signal, set unit gain to unity (by input- and output controls), and set trimmer for minimum distortion. If you have no dist.meter, simply set at middle position. Somehow this is not an important adjustment soundwise.

1.3 Adjustment 3

"GR meter Zero". No input signal. Meter switch in GR mode. Adjust until meter reads 0dBVU.

1.4 Adjustment 4

"GR meter Trck" (tracking). Set ratio to 1:20, set Meter to bypass. Input a 1kHz, 50mV signal. Set input level to 12'oclock. Set output level so you get 50mV at the output also (now you have unity gain). Now set the meter switch to "GR". Slowly turn up the level of your input signal (at the signal source, not with the input level control) while you monitor both input- and output levels with a voltmeter. When you reach a point where output level is half the input level, you have 6dB of gain reduction in the unit. Now set the "GR meter Trck" trimmer so the VU-meter reads -6dBVU. Remove input signal and (re)set "GR meter Zero" for a reading of 0dBVU. This calibrates the gr indication.