

CAPI FC526-XFMR Limiter Meter Zero Adjustment

With no audio passing thru the FC526-XFMR module, set the Ratio switch to anything other than ABI. The green LED should glow solid. If it is not on at all, use a small jewelers screwdriver and turn the trimmer (front panel hole just above the ratio switch) very slowly **CCW** until the green LED illuminates fully. Do not go any further than necessary to make it come fully on.

If more than the green LED is on when in rest, follow the same steps only turn the trimmer **CW**. I would suggest going far enough to turn the green LED off, and then turning slowly turning **CCW** until the green LED illuminates fully.

FYI, when turning the Ratio switch to ABI, the green LED will turn off. This is normal and by design. This setting is taking the VVR FET fully out of its conductive range by completely disrupting the bias voltage that the meter FET and VVR FET use. You will notice the exact same behavior on a vintage 1176. On a properly calibrated vintage unit, when engaging all ratio buttons (or just 4 and 20 which is effectively the same thing), the meter will increase by either 0.5dB or 1dB depending on how the GR FET is biased.

FWIW, I have measured each LED's accuracy to within 0.3dB of the nomenclature, most are 0.1dB or better. This is far more accurate than an analog meter in a typical rack unit. The LED meter is also much faster than an analog meter. This means that in typical use with an analog meter, you will be experiencing more gain reduction than you actually "see" on the meter. Don't be afraid. Push the FC526-XFMR hard! It loves a lot of gain reduction!

