

Tune Up or Gain Adjustment Procedure

This is the procedure to show how to adjust the gain for each channel from each individual module. The frequency and filter has been set and tuned from the manufacturer when it was built. Any frequency or bandwidth change will need to send back to the manufacturer to adjust it.

There are two sets of 1 dB step of attenuator with total 30 dB range adjustment in the back of each channel module. The attenuator can adjust the output level for each individual channel module to choose a level to combine with other channels.

The two sets of attenuator and each set have four identical switches, the first switch is indicated 1 dB, the second switch is indicated 2 dB, the third switch is indicated 4 dB and the fourth switch is indicated 8 dB.

When the switch is toggled up, the attenuation will increase according to the indicated value. For example, the 1 dB switch is up and the attenuation is 1 dB so the output level will decrease 1 dB. When 1 dB and 2 dB switches both are up, the attenuation is 3 dB so the output level will decrease 3 dB. These four switches can make the combination from 1 dB to 15 dB. When combines all 8 switches together, it will get 1 dB to 30 dB ranges.