

ALC (Automatic Level Control)

To minimize intermodulation products, each amplifier in the BDA contains an ALC feedback loop. The ALC circuit senses the output power and limits it to the factory preset level.

ALC function is selected with an on/off toggle switch located on each amplifier and accessible by removing of the BDA enclosures top cover. Both red indicator lamps are located on the front panel of the BDA and illuminate when output power exceeds the ALC set point. The indicator is functional regardless of the position of the ALC switch.

To increase or decrease the output power, remove the top cover (See picture below) to make the adjustment. The adjustment has to be made with the output power 3-4 dB above the ALC setting (3-4dB after the ALC LED is illuminated) and the ALC switch has to be in the on position. Both uplink and downlink adjustments have a tamper sticker covering it, remove them for adjustment. Adjust output power level to desired value by varying the uplink or downlink ALC adjustment. *NOTE: Output power level is recommended set at 7 dB below the amplifier P1dB measurement (see specification sheet) to minimize intermodulation products.*

