

## Trio Datacom E Series Compatibility with MDS 4710B

The Trio Datacom E Series radio may be configured for a modulation type which is capable of communicating with the MDS 4710B radio. No changes are required to the existing MDS radio system. Simply set the E Series radios to the “9600 12.5K FCC 2 Level Non-Packet” modulation mode.

This modulation is selected when you want compatibility with MDS 4710B model radios, or if you want a very low latency radio (required for protocols like SEL mirrored bits). The MDS compatibility mode (non-packet mode) will work with MDS 4710B modulation only, NOT MDS 4710A or C.

The radio in this mode is not capable of responding to polls from MDS diagnostic software. Also, this modulation does not support the advanced features of the E series, such as Stream Routing and Repeating, Collision Avoidance, Encryption or Diagnostics.

Once “9600 12.5K FCC 2 Level Non-Packet” mode has been selected, the Advanced button may be clicked to configure such items as CTS Delay, PTT Hold and PTT Delay. A suggested starting place is 10ms for both CTS Delay and PTT Hold.

If the user desires to configure a simplex link (both Tx and Rx frequencies the same) the radios must be loaded with E Series firmware R4.2.3 or newer. Contact Technical Support at 1-888-226-6876 or [technicalsupport@controlmicrosystems.com](mailto:technicalsupport@controlmicrosystems.com)