

FreeWave Technologies, Inc.**T-Series User Manual Addendum**

The model T9, 900 MHz radio modem, and model T24, 2.4 GHz radio modem, provide the features and performance of FreeWave's standard 900 MHz and 2.4 GHz products in a package designed specifically for use in traffic signal control applications. The T-Series radios install in a single card slot in any standard loop detector card rack. Both models draw their operating power from the card rack interface connector but otherwise do not make any connection with the card rack. All data I/O and antenna connections are made to the radio's front panel connectors. See Figure 1.

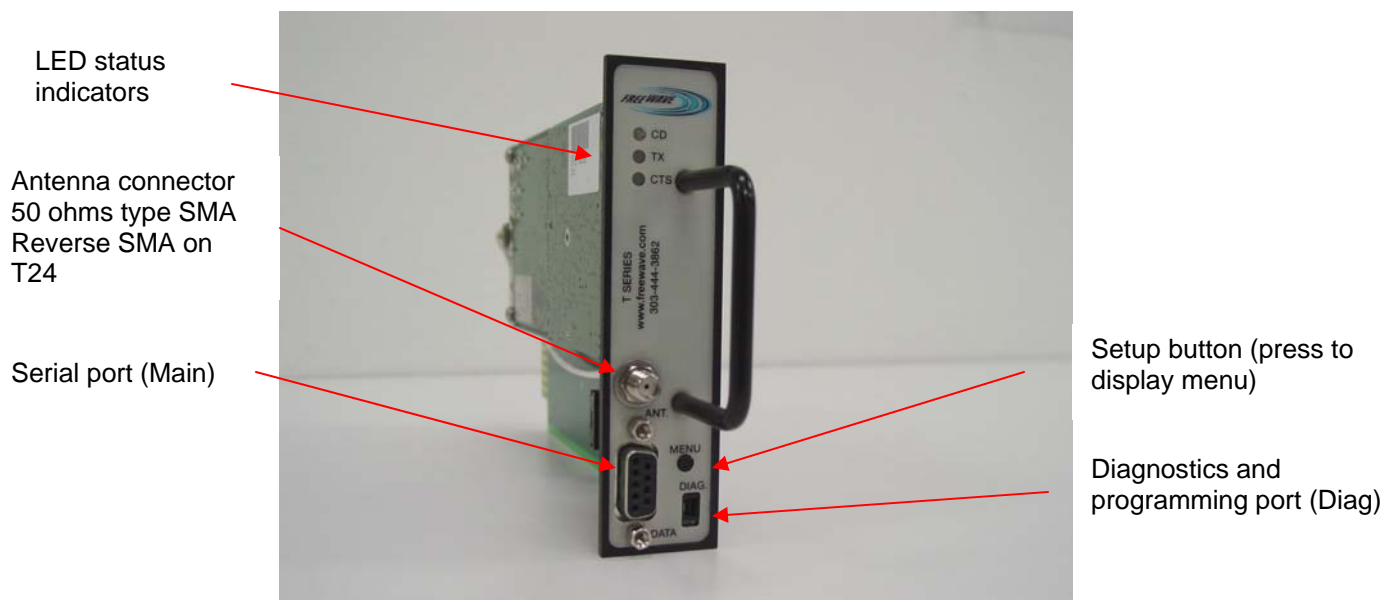


Figure 1. T-Series Front Panel

To operate a T-Series radio modem, insert the radio into a loop detector card rack as shown in Figure 2. Make certain that the radio is fully seated in the card slot. When a proper connection to the card rack has been made, one or more of the LED status indicators will light. The LED indicators will show different displays depending on how the radio is programmed when it is installed into the card rack.



Figure 2. T-Series Installed In Loop Detector Rack

Connect antenna and data cables to the appropriate connectors on the T-Series front panel. Note that the Model T24 radio uses a reverse-threaded SMA connector.

Refer to the FreeWave FGR-Series user manual for instructions on setup and operation of the T-Series radio modems. The T-Series products are fully compatible with FreeWave's FGR-Series 900 MHz radio modems or I-Series 2.4 GHz radio modems and may be used in networks with any of these products. The T-Series radios will not communicate with radios that are not manufactured by FreeWave Technologies.