

Features and Specifications

Trio Datacom's TVIEW+ Management Suite is a powerful and sophisticated software package designed to compliment the M Series range of Data Radio Modem products.

Fully integrated programmer and diagnostics controller software packages, the TVIEW+ Management Suite includes: a Programmer and a Diagnostic controller. The TVIEW+ Management Suite is a key element in the successful and reliable operation of a data radio network. Each software element provides unique benefits to your radio system.

The M Series Trio Datacom data radio products supported by TVIEW+ include: the MR450 remote data radio and the EB450 / EH450 base / repeater stations.

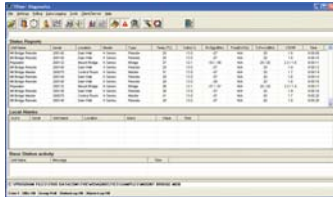
Programmer

The Programmer sets all configuration parameters within the data radio modems with a user friendly interface. All parameters can be easily accessed from the main edit screen via radio buttons and dialog boxes. Available options are interlinked to alleviate configuration conflicts. All programming parameters are held in non volatile memory (NVRAM) within the data radio modem.

M-Series

M Series Diagnostics

Diagnostics is implemented as an optional facility within the M Series data radio modem products. It is ideal for system commissioning and fault finding. With the software running on a Windows® PC, any radio unit(s) within the system can be interrogated for the status of critical operating parameters. The PC running the TVIEW+ Diagnostics software can interface to any spare serial or ethernet port in the system. Refer to the TVIEW+ E Series Management Suite brochure for a description on the facilities available for the EB450/EH450 products.



Features

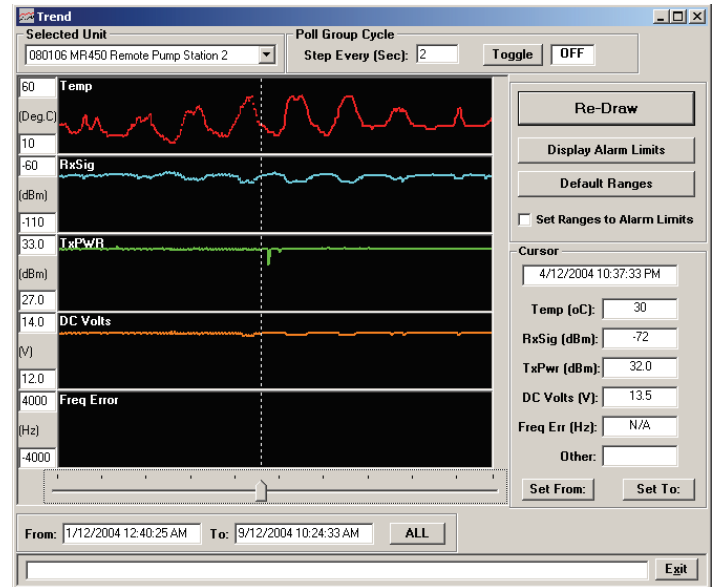
- Ability to interrogate and display important operating parameters of each radio modem :
 - Tx Power
 - RSSI
 - DC Voltage
 - Temperature
- 32 Bit Windows Based User Software
- Full graphical presentation (HMI)
- ODBC compliant for user access to diagnostics database
- Full SCADA style features such as database, trending, networking
- Alarm reporting via e-mail
- Supports RS-232 Serial or eDiags Ethernet (via Terminal Server)
- Provides statistical Packet Error Rate (PER) performance calculations for any unit
- Provides full time/date stamped Status and Alarm logging/reporting
- Monitoring of both sections of an online and offline Hot Standby Base Station, including remote changeover capability

Local regulatory conditions may determine the performance and suitability of individual versions in different countries. It is the responsibility of the buyer to confirm these regulatory conditions. Performance data indicates typical values related to the described unit.

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• Export restrictions may apply

Note: Not all product features are available in every mode of operation.



Operation

M Series diagnostics can be accessed locally via a direct RS-232 cable connection whilst the radio modem is online (i.e. while user application data continues to be transmitted and received).

Remote access (over the radio channel) for M Series diagnostics data occurs through either an EB450 or EH450 base station. The diagnostics data shares the radio channel with user data and the availability and timing of remote diagnostics updates is dependent on system loading.

The diagnostics software employs a user friendly Windows menu system for the selection of operations, database access, and configuration settings. The database consists of a list of remote units on the system. The address of each unit is defined by its unique serial number, in addition each unit can be identified by a user specified alias.

Each radio unit has its own alarm parameter database. When an alarm is reported it is displayed on the user console. Alarms can be prioritized, acknowledged, logged, printed and sent via e-mail. Collected radio parameter and alarm information is stored in a database. This data can be graphically presented as a "trend" chart for analysis or fault finding.

Networking facilities are also provided for multiple user client-server access to the diagnostics facility.

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