



E Series Diagrams shown

Trio Datacom's TVIEW+ Management Suite is a powerful and sophisticated software package designed to compliment the E, M and K Series range of Data Radio Modem products. Encompassing 3 fully integrated software packages, the TVIEW+ Management Suite includes: a Programmer, a Remote Diagnostic and Network Management controller and a Firmware Update utility.

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 high performance Trio Datacom Data radio products supported by TVIEW+ include: the ER450 Remote Data Radio, the MR450 Data Radio, K & J Series Spread Spectrum Data Radios, the EB450 Base / Repeater Station and the EH450 Hot Standby Base Repeater Station.

Programmer

The Programmer is used to set all configuration parameters within the data radio modems and offers a user friendly interface for ease of operation.

All parameters can be accessed from the main edit screen via radio buttons and dialog boxes.

All programming parameters are held in non volatile memory (NVRAM) within the data radio modem.

eatures

Features

- Simple to use menus
- Remote configuration of any radio
- Setup wizards to assist with user configurations
- Independent User Port setup parameters
- System parameters including configuration of repeater mode, collision avoidance, diagnostics, stream routing and multi port operation
- Available options are interconnected to alleviate conflicts in configurations



TVIEW+ Management Suite

Remote Diagnostics and Network Controller

The Remote Diagnostics and Network Controller is implemented as a standard facility within the E, M, K and J Series data radio modem products. A secondary data stream is used to carry diagnostic information. This data stream is totally independent (non intrusive) of the primary data stream.

With the software running on a Windows® PC, any radio unit(s) within the system can be interrogated from any location in the wireless network.

The PC running the TVIEW+ Diagnostics software can interface to any spare serial or ethernet port in the system. The user's host computer application or remote device connected to their respective ports will continue to run simultaneously with the diagnostics data stream.

Features

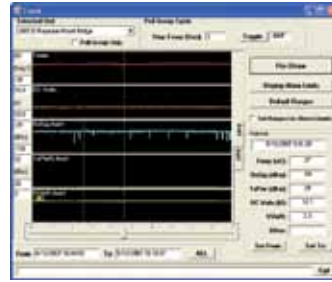
- Ability to interrogate and display important operating parameters of each radio modem such as:
 - Tx Power
 - RSSI
 - DC Voltage
 - Temperature
 - Rx Freq Error (E Series only)
 - VSWR (E-Series, KR900 & JR900)
- 32 Bit Windows Based User Software
- Full graphical presentation (HMI)
- ODBC compliant 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 (E M & K Series via Terminal Server)
- Provides performance data such as - good frames received, packet error rate, transmitted packet sizes, channel usage, etc.
- Provides statistical Packet Error Rate (PER) performance calculations
- Provides powerful network tools such as channel occupancy statistics, average received transmission duration, etc.
- Can be set to background poll radio system for continuous system monitoring and logging
- 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.

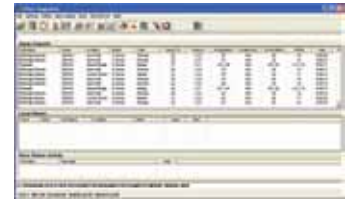
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• Export restrictions may apply

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

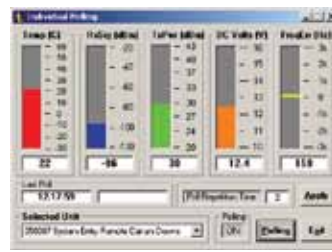


E Series Diagnostics shown



Operation

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 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.



E Series Diagnostics shown

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.

Network Analysis Tools

The diagnostic facilities allow retrieval of packet statistics from each radio modem. The diagnostics software uses these statistics to calculate packet and bit error rates, and also network efficiency and bandwidth utilisation. These network analysis features are an invaluable tool for larger networks.

Firmware Update Utility

The E, M and K Series data radio modems include flash memory resident firmware that can be field upgradable via the TVIEW+ Management Suite ensuring against obsolescence (makes these units future proof).

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