TRBOmonitor PRO

24/7/365 Cloud-Based System Health Monitoring with BI analytics

TRBOmonitor is a simple yet powerful service for proactive diagnostic that provides real-time constant monitoring of your MOTOTRBO radio network and sends alerts on critical conditions or when it needs attention. TRBOmonitor PRO includes a fully-customizable Business Intelligence based reporting portal and automated notification reports.
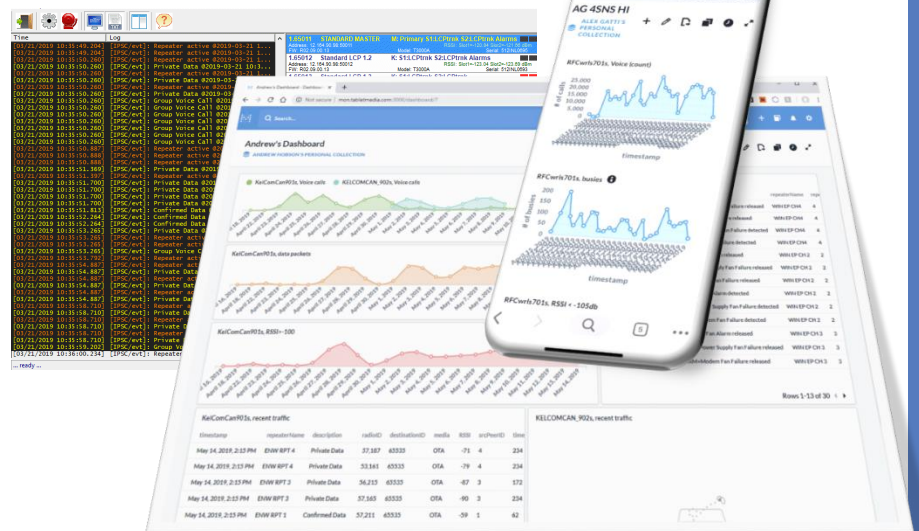
On single site conventional, IP Site Connect, Capacity Plus or Linked Capacity Plus systems:

- Crtical alerts indicate that a repeater needs immediate attention
- Interference, out of range, repeater alarms and other warnings highlight underlying systems issues
- Busies, race conditions and other alerts suggest that a system upgrade may be required to add more capacity.
- Temporary repeater timeouts or latencies point to multi-site backhaul issues.
- High VSWR indicate antenna problems and high tempereratures to facilities conditions

FULLY CUSTOMIZABLE PORTAL

Interactively create any type of reports directly on your browser, view them as tables, line, bar or pie charts and add them to dashboards.

- Single-system (customer) and multi-system (dealer) logins
- Unlimited number of reports, dashboards and alerts
- Interactive graphs: click to view more details or the raw data
- Advanced filtering and math
- Customizable automated graphical email reports
- Mobile friendly

AUTOMATIC REPEATERS DETECTION

The client discovers and displays all the peers, including MNIS, RDAC and 3rd party applications. It detects each repeater's alias, firmware version, serial/model number and other information.

- Periodically receive VSWR, TX power and temperatures and alert when limits are exceeded
- Remotely clear alarms, disable and reset the repeaters

HOSTED SERVICE

No need to be concerned whether monitoring is active: receive an alert as soon as the PC fails or the link to the fault-tolerant cloud-servers is disrupted because of failed internet connectivity or internal network issues.

YEARLY SUBSCRIPTION MODEL

All-inclusive plan:

- Per system, not per site, repeater or subscriber
- Thin client software included
- Unlimited support and maintenance
- No setup fees

NOTIFICATIONS

Receive short emails/SMS for:

- System monitoring, repeater master/peer up or down
- Call failure conditions: busies, out of range, race conditions, etc.
- Repeater blocked for interference or CWID repeat
- 70+ RDAC repeater alarms.

All alerts and alarms can be individually enabled

REAL-TIME LOGGING

Every event, including voice/data calls are logged:

- Locally on the client PC in both text and Excel files
- Remotely on the fault-tolerant host databases

RSSI is also reported for every over-the-air transmission.

RAPID DEPLOYMENTS - No NAI licenses necessary!

1. Connect all repeaters to a switch
2. Install and run the client on a local PC/VM
3. Enter the master repeater IP address, port and the assigned internet login credentials
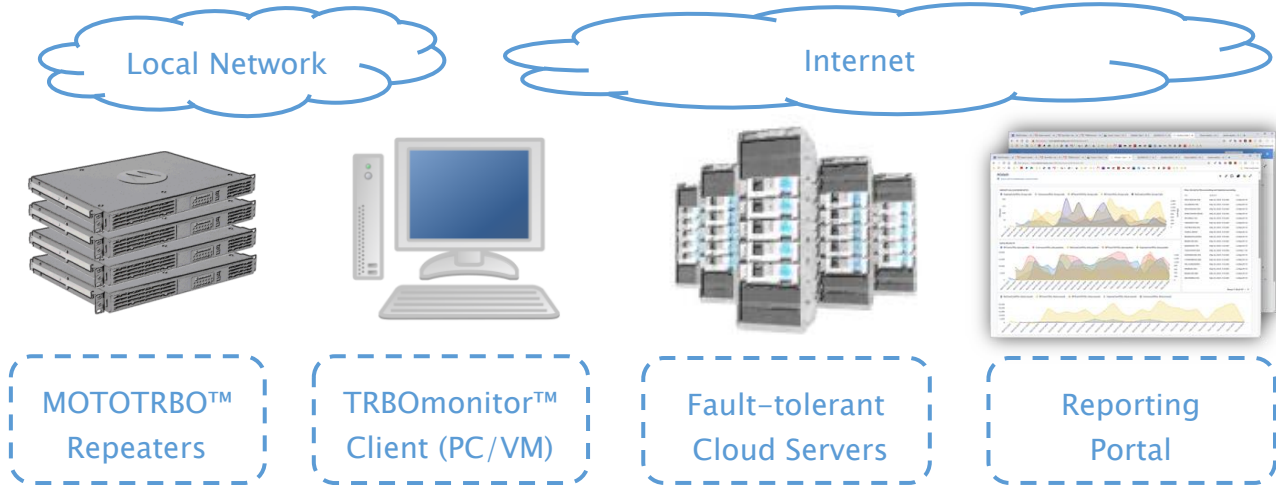4. Login into the portal and analyse the system

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System Architecture: on premise software client and cloud host

Local Network

Internet

| MOTOTRBO™ Repeaters | TRBOmonitor™ Client (PC/VM) | Fault-tolerant Cloud Servers | Reporting Portal |

Selected features	Details
Service notifications:	System up/down: internet, network, PC or application issue
Peer notifications:	Master and peer repeaters, MNIS and applications up/down
	Call details: group/private, voice/data, length, source/target, repeaters, RSSI, etc.
	Call failures: various busies, out of range, race conditions, etc.
	Repeater blocking: interference FCC type I and II, CWID/BSI repeat
	Repeater alarms: PA, power, battery, VSWR, hardware, etc. (over 70)
	Alerts when VSWR, TX power, PA and modem temperatures and jitter exceed thresholds
Logging (client):	Local logging to text and CSV files of all calls, failures, repeater alarms and other events
Cloud Servers:	Centralized logging of all calls, failures, repeater alarms and other events
	Email notifications
Web Portal:	Fully customizable reports, dashboards and alerts
	Customer and multi-system dealer logins
	Automated custom email reports

Requirements	Details
Thin on-premise client	PC or Virtual Machine with Windows 7 or greater, 1GB RAM, Atom-class CPU
	Connectivity: master repeater and Internet access on outbound-only port. Multi-homed system support for Internet access over guest networks, WiFi, or cellular

UNIQUE EXPERIENCE

Understanding the critical requirements of your business, we have grown by listening and appreciating your trust. We can only make great products if they need no support or, as needed, we are there to promptly help you. Since 2001 we have provided device manufacturers, dealers and end-customers best-in-class prompt and hands-on support. All of our products are developed by us, right here in the USA. They are tightly integrated and modular to scale seamlessly and meet your requirements now and in the future.

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