GW3-TRBO v.2.12.35.1

This update applies to GW3-TRBO® for Motorola MOTOTRBO™ systems only. Use of this update on any system other than GW3-TRBO for MOTOTRBO will result in unrecoverable loss of data. Installation of this update will require an updated license file from Genesis Support.

New Features

- GW3-TRBO is now compatible with Connect Plus 1.6.x and Capacity Plus/Conventional v2.4B
- Connect Plus systems are scalable up to 250 sites
- Near real-time values are now combined with their corresponding historical average value on a single chart
- Calls from IPSC, Capacity Plus and Linked Capacity Plus systems will now contain an RSSI value that will be archived to the database.
- GW3-TRBO can now process voting updates from voting repeaters.
- Added Windows Authentication (Active Directory) to security
- Trigger has the option to look for a number of events with a minimum duration. Example: "5 busies within 1 hour with a minimum duration of 10 seconds."
- iVista: Browser-delivered dashboard interface at system level with drill-down site level KPIs

Full List of Updates

Advanced Power Monitor

- Added override IP address option and reset options in APM Display
- APM alarms are now summarized in a database
- Get APM traffic packets are now parsed and stored by GenGET APM
- Data warehouse can be installed and configured
- Improved APM Alarms queries efficiency

Commands

- Repeater Enable/Disable commands can now be sent via TRBO RDAC connections.
- Repeater Enable/Disable commands can now target satellite receivers.

Connect Plus

- Connect Plus scalable to 250 sites
- Added several new possible Session Shutdown Reasons to End Session packets
- Multisite calls will now be condensed into single packets in GW3-TRBO rather than generating a packet per site on the call.
- The channel and slot of the current control slot on Connect Plus systems will now be shown in Channel and stored in the database.
- System Summary: Connect Plus control slots will now be excluded from calculations of available airtime.

Drivers

- MOTOTRBO Subscribers Drivers updated to v.7.0 (if monitoring OTA)
- Alarms from next-generation MOTOTRBO repeaters will now be reported by GW3-TRBO. Additionally, the names displayed for existing alarm types have been changed to improve readability.

Key Performance Indicators

- Near real-time values are now combined with their corresponding historical average value on a single chart.
- Added Bar, Area and Stepline graph types to KPI
- GUI now allows row height and column width resizing
- Added a maximum limit of 8 open KPI windows

Reports

- New System Usage Report enhancements
- Archiver/Reports: When a repeater becomes disabled or enabled, it will now be archived and factored into reports to determine the available airtime.

SNMP

- Added the ability to configure two SNMP solutions for redundancy of a feed to a single end point
- Health Status monitoring added to SNMP solution

TRBO Module

- Added Windows Authentication (Active Directory) to security
- Trigger has the option to look for a number of events with a minimum duration. Example: "5 busies within 1 hour with a minimum duration of 10 seconds."
- Calls from IPSC, Capacity Plus and Linked Capacity Plus systems will now contain an RSSI value that will be archived to the database.

- GW3-TRBO can now process voting updates from voting repeaters.
- Added satellite repeaters under the voting repeater in Alias module
- Calls will now be ended if another call begins on the same slot or radio ID under some circumstances, to allow for the possibility of missed end-of-call packets
- Added Forced Rest Failure alarm type to LCP/CAP+
- The TRBO module will now stop a connection if it detects a condition that might cause instability on the repeater network. Users may configure an Emergency Shutdown Recovery Interval for TRBO to reattempt the connection.
- Trigger filtering now offers a channel selection

Web Interface: iVista

- Browser-delivered dashboard interface at system level with drill-down site level KPIs
- Dashboard now displays site status with drill-down to customizable view of detailed diagnostic information
- Dashboard metrics now filter results by assigned resources
- Dashboard now displays site status with adjustable diagnostic settings
- All dates and times are now displayed in universal format
- Active Directory users are no longer required to provide login-credentials to iVista
- Dashboard loads with preconfigured widgets
- Implement responsive design to improve mobile experience

Web Interface: TRBO SkyView

- Now supports 250 sites
- Updated to handle duplicate site numbers on multiple zones

Fixes

- Alias: Export will no longer count the header row as a record when calculating the total number of records exported
- Alias: Fixed an issue where a satellite receiver would be added to the Alias resource tree again whenever a channel was updated
- Channel: On the statistics windows, fixed an issue causing the Total Call Seconds to incorrectly total the amount of time for Connect Plus calls that begin after leaving the busy queue
- TRBO: Fixed an issue that caused peers to continue to appear in the System Map if an active connection is deleted
- SNMP connections no longer show link down due to lack of data
- Connect: Fixed an issue that could cause a Connect Plus connection to stop processing data after a session times out

- Connect Plus: Fixed an issue that could cause the Connect module to fail to register with the XRT after a disconnect
- Added logic to properly shut down closed TCP clients
- Added Site Alias column to all reports with a Site ID column
- Reports: Grade of Service for Sessions now gives a more accurate total request count
- Reports: Corrected the Percent Usage values in the GW3-TRBO System Summary report
- GenWatch3 hosts will no longer accept clients running on machines with different regional settings
- System Summary: Fixed issue where SysSummary usage graph by component was not adding Group
- Radio Data calls to the total time used for the percent usage calculation
- TRBO: Fixed an error resulting from changing a repeater's peer ID while the TRBO connection is active
- TRBO: No longer keeps attempting to send Repeater Digital Voting Control Requests to a repeater after
- receiving a failed reply
- TRBO: Fixed a bug that could cause the TRBO connection to fail if a repeater did not accept a request for
- RDAC information
- TRBO SkyView: Fixed client side memory leak
- Trigger: Toggling a trigger's enabled checkbox with the spacebar no longer causes a unhandled exception (a known issue with grid control)
- SNMP: Traps that have unresolved Source IP addresses will now be processed with a default IP address