

GW3-TRBO Update Notes

March 26, 2012

GW3-TRBO v.2.5.1 Release

Activity

- Multisite calls with a Site ID List will now add all of their sites to the Trunking Filters tree
- The Suppress Duplicates feature will now correctly compare all the columns on each consecutive packet to determine whether a packet is a duplicate

Affiliation

- Added Site and Zone/RFSS columns to the Affiliated Radio Search
- Busies caused by data calls will now be labeled as group or private radio data in a group window's Call Type column

Alias

- Unit History window will now always display activity from the entire specified time range
- Fixed batch update issue causing Alias to wait for an additional update beyond the AliasBatchAmount value specified in the GenWatch config file
- Corrected error when adding Capacity Plus channels with repeater IDs higher than 128
- The target ID of a radio command will be dynamically added into the Alias database only if the target radio acknowledges the command

Archiver

- The frequency and slot number used by MOTOTRBO radio commands is now archived and displayed in reports
- TRBO users may now choose to archive Base Station Identification packets
- Now offers archiving of Deaffiliation packets in TRBO
- Frequency and Slot information will now be archived and reported for Emergency Alarms
- Fixed an issue that could cause a radio command to go unarchived if it was similar to a previously sent command
- Fixed an issue causing radio commands acks on MOTOTRBO systems to sometimes be attributed to the incorrect slot number

- When call alerts are sent to multiple radios at once, Archiver will now correctly archive all of the call alert packets
- Fixed issue in which radio command acks from Connect Plus TRBO inputs would sometimes incorrectly update the time on previously acked commands
- Radio commands sent from RC on a MOTOTRBO system will now archive a separate command for each slot on which they were sent

Channel

- Connect Plus BSIs will now be displayed the same way they are reported by the XRT 9000
- The Channel Color Configuration tool will no longer apply changes if the Cancel button is clicked
- Improved handling of the window states when a using shortcut keys to toggle display of the Systems, Diagnostics and Busies panels
- Base Station Identification Packet Details will display for both slots
- Zone is restored to the correct show/hide state when opening channel
- Zone control now saves show/hide state
- Statistics window will now show 2 decimal places of precision and display the number of channel slots available
- System Map no longer shows duplicate peer IDs for a few seconds on Windows XP after a new peer joins the system
- System Map no longer shows non-repeater peers as "Disconnected" after they rejoin the peer map following a disconnect
- Fixed a rare error that would cause Alerts to crash
- MOTOTRBO Capacity Plus voice repeaters will no longer appear as data revert repeaters in the System Map after they have been disabled
- Site headers will no longer continue to flash red indefinitely when the end of an emergency call is not received correctly
- Site headers will now flash red and orange and correctly display the current busy duration when the site is simultaneously experiencing an emergency and a busy
- The System Map window now supports systems using the same peer ID on multiple sites
- Values on Channel Statistics Details tab now use two decimal points of precision instead of being rounded to whole numbers

Connect

- Users can now select a zone ID for a Connect Plus connection
- XRT 9000 firmware version 1.2 introduces Emergency Alarms into Connect Plus connections
- XRT 9000 firmware version 1.2 introduces a new type of call: the Network Wide All Call. These calls will now be displayed as System Wide calls in GW3-TRBO.

- Connect Plus connections now have a site timeout feature. If the Connect module has not received data from a site in the specified amount of time, it will re-request streaming data for that site from the XRT 9000.
- When Connect loses its connection to the XRT 9000, all calls and busies in progress will be ended. Also, packets that are missing source or target IDs will be flagged as corrupt.
- Connect Plus connections now attempt to reconnect if they are disconnected at any stage of the client registration process
- Connect Plus connections will now report a "Link Down" message after 12 seconds of inactivity, up from 5 seconds. This will reduce the number of false alarms caused by network packet loss or latency.
- Several Connect Plus background packet types will no longer be archived to the System Events table. These packets were causing the database size to increase rapidly.
- Connect Plus busies are ended properly when a connection to the XRT 9000 is lost during the busy
- Corrected issue with Connect Plus Heartbeat packets

GenSPOut

- Added selectable packet types for Emergency Alarm ACK, Status ACK and Message ACK
- Improved efficiency when saving settings
- GroupList field added to the list of fields in the database

Halcyon

- Fixed error caused by selecting an RCM port of zero

Installer

- Displays correct user selected installation directory after changing the destination with the file browser during installation
- Client update no longer displays host, when updating a client installation on a machine that was previously a host

Launch

- Users on a client machine can no longer create an error by trying to open a module twice when the maximum concurrent users limit is exceeded
- Temporary Filter no longer affects the Affiliation module

RC

- Windows with Table Lock will indicate the lock status in the context menu
- Radio commands sent to a Capacity Plus TRBO system when the virtual peer is not present will now generate an appropriate error result
- The Settings menu now allows a source ID for remote monitors to be chosen when TRBO is not licensed for call alerts

Reports

- The Busy Detail report now has a Site column
- Added APM-based reports as premium reports provided when APM connections are purchased for GW_Connect
- The frequency and slot number used by MOTOTRBO radio commands is now archived and displayed in reports
- Busy detail report will show the Radio and Talkgroup ID tabs when the report is run
- The Call Activity report will now remember whether the Private Non-Data checkbox was selected the last time the report was run
- Improved the spacing of the dates/times displayed on the X-axis of System Usage report graphs to be more legible
- Call Activity: The header will now remain visible when scrolling the report
- Activities by Talkgroup Over Time: Count of Rejects column will now format as a number
- When resizing the report wizard, the header graphic maintains consistent quality

SAC

- When choosing services to allow or disallow for a range, users can now differentiate between voice and data calls in addition to the existing distinction between group and private calls
- Schedules and ranges will now be in alphabetical order
- Simultaneous multiple delete operations are no longer allowed
- Fixed an error that could occur on a client machine after updating a schedule or ID range on the host machine
- The Radio Search feature will no longer send a radio check to a radio outside the specified range when the last ID of the range is included in one of its excluded ID ranges
- Fixed rare exception that could occur when switching between multiple hosts
- Enhanced resource locking to prevent rare instances where a host or client could edit a resource that had not been completely updated

SystemSummary

- Fixed a rare condition that caused the module to not fully load

- The Usage Graph by System Component and Usage Graph by Time graphs will now use the same level of precision (two decimal places) for the number of seconds
- The grid view will now display statistics for deaffiliations

TRBO

- Users may now choose whether to display their System IDs as the default hexadecimal value or as a decimal number. For Connect Plus users, this means the System IDs can now match the Network IDs used by the XRC 9000 controllers.
- Digital Phone Patch calls will now be processed
- Improved the display and archiving of System Wide, Zone Wide and Site Wide calls
- Improved consistency in elapsed time calculations
- All ongoing calls and busies will be ended when a connection is stopped
- Data calls on R1.8-firmware Capacity Plus repeaters now display correctly
- The TRBO GUI will now warn the user if he/she tries to update a connection while the TRBO service is not running
- Slot Disable packets will now use the site ID and channel position of the affected repeater
- The list of slots used by an IPSC call will no longer have an extraneous comma at the beginning of the list if local slots are in use
- Fixed an error that could occur when rapidly clicking the Update button two or more times to save a connection
- Fixed a rare error that could occur when sending radio commands. Improved performance of commands on IPSC wide slots
- If a call starts on a slot that was already reported to be in use, the previous call will now be considered to have ended

Trigger

- Added the option to create a trigger for Emergency calls
- Fixed stability issues with affiliated unit periodic evaluation triggers
- Emergency Alarm ACK will no longer affect Triggers for inactive systems
- Busy triggers perform as expected on all TRBO connection types
- Message is now included in the text alert for message triggers

Uninstall

- The TRBO Program Files folder is now removed when the application is uninstalled

GenFIT Updates

- GenFIT now supports MOTOTRBO
- Installation now contains an End User License Agreement (EULA)
- A rare occurrence of a connection failure using a Millennium connection to an XTL radio has been resolved
- Now properly displays Group Patch call activity
- GenFIT only allows one instance of the program to run at a time
- Fixed an issue that could cause the duration of calls to be underreported by a few milliseconds, particularly on slower machines
- TRBO Control Station Drivers are now included in the installation
- Installer now adds shortcuts to the documentation in the start menu