

TRBOnet Watch

Release Notes

Version 2.5.0.528

February 01, 2017

Version 2.5.0.528

12.01.2017

Added support for Capacity Max with the following limitations:

- No RDAC Alarms from repeaters
- No payload received in messages
- Data Revert Channel messages received only through Data Gateway
- Manual configuration of the system topology
- Supported types of traffic in Capacity Max system with Data Gateway:
 - Location
 - Telemetry
 - Text
 - Voice
- Supported types of traffic in Capacity Max system without Data Gateway:
 - Data (Watch does not show different types of data packets)
 - Voice

Added support for Extended Range Direct Mode for Single Site Conventional systems

Added support of Digital Voting repeaters for IP Site Connect, Capacity Plus and Linked Capacity Plus systems

New features

- A Connect Plus system can be shown in **Live Monitor** as a whole system or as an XRC site.
- **Diagnostics** can show peers for selected systems or for all systems.
- A new diagram **Activities by Radio (Quantity)** shows top 5 subscribers by the number of calls for Voice, GPS, ARS and other traffic types.
- A new diagram **Activities by Radio (Duration)** shows top 5 subscribers by the total duration of calls for Voice, GPS, ARS and other protocols.
- The **All Channels Busy** diagram is modified to allow a user to set a threshold. The system is considered busy if more than the number of channels set by the threshold are busy.
- The time frames for reports and charts can now be selected from the list.

- **Diagnostics** now includes RSSI values for all repeaters and AC Voltage, Output Power, VSWR for New Generation repeaters.
- Added voice and data call counters in **Live Monitor**.
- In order to prevent **Live Monitor** from freezing, the module automatically switches to the less detailed view if there are too many slots or channels in the system.

- Improved filter:
 - Time parameters now have 16 frequently used presets.
 - Time parameters now have the time frame option adjustable in the range of 1 minute to 1 week.
 - For certain reports, it is now possible to configure source and target subscribers separately.
 - If filter settings are incorrect, the flashing icon indicates the number of issues and the tooltip describes all details.

Minor updates

- Peer names in all reports and in **Topology** now include both aliases and peer IDs.
- Before starting, the service now checks the configured database settings.
- Optimized RDAC traffic between Watch Server and repeaters.
- Adjustable minimum and maximum RSSI values.

Fixed issues

- Export of analytics with multiple line charts now works correctly, showing the time period for each chart.
- The Windows service does not restart the Watch server if the license has expired.
- Improved performance on large systems.
- Minor bugs fixes and stability improvements.

Version 2.3.5.361

15.04.2016

Support for NGR8000

New features

- Database Maintenance
- System Monitoring Levels

Minor updates

- Added "Information" RDAC Severity Level
- Added new RDAC alarms
- Added filter for Repeater systems in the main view
- New Repeater Call Monitoring statuses

Fixed bugs

- Data Range calendar fixed
- Minor bugs fixed and stability improved

Version 2.3.0.314

29.04.2014

Support for New Generation Repeaters

New filter options

- New filter conditions for reports: work hours, protocol and sub-protocol

Improved diagnostics

- Added ability to monitor software peers

Updated reports

- Added new export options
- Diagrams can be printed and exported to a number of formats
- Duration of voice and data sessions shown in reports includes preamble and hang time

New reports

- GPS Data (Reports section)
- Channel Usage (Analytics section)
- Frequency Usage (Reports & Analytics sections)

Minor updates

- Configurable templates for exported audio files

Fixed bugs

- Export to Excel files works correctly

Version 2.2.0.288

09.12.2014

Brand new fine-grained filter tool

- More conditions: system, site, peer, slot, subscriber, protocol, time interval, date/time range, etc
- Cross-system queries
- User-defined filters
- Quick access for any filter from anywhere

Re-mastered "RSSI Levels: Map" analytics

New map formats is supported:

- TMap (compatible with TRBOnet.Enterprise)
- Custom online maps
- Bing maps

New tools:

- Regions – the map now indicates all radio coverage areas
- Fill tool – contrast view mode with configurable color and opacity

Improved support for base station network adapters

Supported devices:

- TRBOnet.Swift Agent family
- Friendly FS-1000 family

Features:

- Full channel activity data in Online Data Monitor
- Separate statuses for adapter and radio in Diagnostics and Topology
- Voice recording
- Online voice
- IO pins status (only TRBOnet.Swift Agent)
- Reporting and Analytics
- Alarms

Minor updates

- CSBK (ARS, Location, Raw data) and RSSI Data for Linked Capacity Plus systems
- Software peers are added to Diagnostics table

- New analytics report "Channels Employment"
- New analytics report "Channels Employment: Average"

Important Note: TRBOnet Watch 2.2 requires XRT9000/ XRT9100 for Connect PLUS

Version 2.1.0.265

May 19, 2014

Firmware 2.3 support

- Connect Plus 1.4 is now supported.

Friendly FS1000-Generic adapter support

Basic diagnostics is supported. Online Data Monitor is not available.

Option Board (OB) support

Online Data Monitor now indicates OB data-packets from various OB vendors. GPS data from TRBOnet.Swift Tracker OB is parsed and can be displayed on Map.

Improvements

- Performance: support added for multiple system configurations (200+ radio systems);
- Topology: MNIS Console node added for Linked Capacity Plus systems. DDMS-service/Tunnel status is available;
- Connect to Server Dialog: it is now possible to reconnect to the Server.

Version 2.0.0.186

January 21, 2014

Firmware 2.3 support

Note:

- Digital Voting is **not** supported.
- Connect Plus 1.4 is **not** supported

Updated System Topology for Linked Capacity Plus

The updated view shows repeaters grouped by sites.

SELEX Echo-D support

Repeater Diagnostic is supported. Online Data Monitor is not supported.

TRBOnet Swift Agent support

Swift Agent Diagnostic is supported. Online Data Monitor is not supported.

Data Persistence improvements

It is possible to specify what type of data you want store in a database.

RDAC Improvements

Repeater Uptime is shown in RDAC module.

System Blackout Review (for Capacity Plus only)

New diagram shows the blackout history.

Version 1.9.5.145

May 14, 2013

Blackout detection for Capacity Plus systems

Blackout detection for Capacity Plus allows detecting when all slots of repeaters are busy. During blackout period the whole system is not able to manage the data and voice calls

- Real-Time blackout detection shows the number of blackouts for last 24 hours.
- Blackout reports provide information about channel usage during blackout period and can be filtered by blackout time.

Parse Data Messages

- Altitude and Altitude Accuracy for GPS messages added.

Real-Time view and Reports

- Complex filters for "Sender" and "Recipient" grid columns are improved. More than one senders and/or recipients can be specified in filter that allows for easy search of all communications between the radios. Filter rules are split by comma separator.
- Fixed issue: Calculation of call time duration is fixed for reports.

Diagnostics Changes

- Ability to copy repeater channel information: RX Frequency, TX Frequency, Channel Name. The option is available in context menu in a repeater channels grid.
- Color Code column is added to repeater channels grid

Aliasing Changes

- Support added for Linked Capacity Plus systems. You can enter repeater ID by mask: {site_id}.{repeater_id} where site_id should be in range between 1 and 15

Version 1.9

August 30, 2012

ConnectPlus support

- Watch connects to a particular XRC9000 and monitors its repeaters
- Voice Recording. XRT9000 is not required!

Note:

- Watch does not record Voice calls **from** Dispatch Consoles (via XRT9000)

Linked CapacityPlus support

- All type of Voice Calls
- Control Commands like Call Alert, Radio Check etc

Notes:

- Does not parse GPS, TEXT, ARS. (Q1 2013)
- Voice Recording is NOT supported (Q1 2013)

Topology Update

- One screen for all systems
- RDAC Alarm support: repeater statuses are shown on Topology
- Disabled repeater status support

SNMP support

- TRBOnet Watch SNMP Agent generates SNMP Traps for all RDAC alarms

Version 1.8

April 4, 2012

Voice Recording

TRBOnet Watch now records all voice calls including private calls between units. Features:

- Extended Search Engine
- Export to wav files
- Real-time audio on slots

Note:

- All voice messages are stored in MS SQL Server database.

Site Survey / RSSI Map Enhancements

- It is possible to see every single GPS package on a map as a dot
- Maximum resolution of the Coverage Map has increased due to change of the vertical size of the map tile from 100 to 5
- General map performance improvement
- Fixed Issue: Now the Connect Form will be shown if the Client loses the connection to the Server

Releases 1.0 - 1.7

- Repeater Control Messages - shows repeater service messages (Start/Stop TX, interference, etc)
- Live Monitor update: Slot View for IP Site Connect
- Aliasing: peers, groups, radios
- Event Log Report: shows all system messages from repeaters
- Event Log Calendar (Beta)
- Monitoring and Diagnostic of Digital channels
- Capacity Plus System Topology
- IP Site Connect System Topology
- Repeaters Diagnostic and Control
- Analytics Module
- Site Survey / RF Quality Control Map
- Reports
- Online Repeater Alarm Control
- Email Notification
- Basic / Enhanced Privacy Support
- Enhanced GPS Support