

# TRBOnet Watch

## Release Notes

April 15, 2016

# 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