

# TRBOnet Watch

## Release Notes

**Version 3.2.0.744**

**29<sup>th</sup> April 2019**

# Version 3.2.0.744

29.04.2019

## System Overview

This chart helps you understand how busy your system was for a selected period

Main features:

- Supports large databases
- Detailed View provides exhaustive information about the system activity
- Compatible with all MOTOTRBO systems

## Call Interruptions

You can use this report to identify users' attempts to interrupt ongoing transmissions and methods that have been used, as well as outcomes of these attempts for a period.

Main features:

- Supported for IPSC and Capacity Plus systems
- Shows failed and successful call interruption attempts
- Distinguishes between Dekey and TX Interrupt methods

## New features

- Revised database structure for better performance and data loss prevention.
- Added maximum call duration to prevent TRBOnet Watch from considering a terminated call as ongoing for systems with non-guaranteed data delivery.

## Version 3.1.0.658

16.10.2018

Added push notifications for TRBOnet Watch Mobile for iOS and Android devices

## Version 3.0.0.634

26.09.2017

### Release of TRBOnet Watch Mobile for iOS and Android devices:

Supported features:

- Shows number of voice calls over the last 1, 8 and 24 hours
- Diagnostic and RDAC information for repeaters
- System availability information

### RSSI Maps and GPS reports are now available for Linked Capacity Plus and Capacity Max systems

The feature requires that Watch Server be connected to TRBOnet Enterprise/PLUS Server 5.2 or newer.

NAI Data keys must be enabled on all repeaters. Supported reports:

- RSSI Levels: Map
- RSSI Levels: GPS
- GPS Data

### Added support for Swift IP Gateway A200

Supported features:

- GPIO pins
- Channel change (digital mode only)

### Added user management.

The administrator can create user accounts, check their activity and lock users out

### New features

- Concurrency Report. It shows how many channels are busy at any moment.
- New filter options:
  - Filter by day
  - Show calls from subscriber radios only

## Fixed issues

- Improved performance for All Channels Busy analytics.

## Discontinued features

Voice Recording is no longer supported. If you still want to make use of this feature please refrain from updating beyond version 2.5.

# 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 Single Site system

## 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.
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- 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