TRBOnet Option Board Software

Option boards significantly enhance the capabilities of your DP/DM4000 series radios. An option board can be pre-installed, or you can buy it and install in your radio. TRBOnet Option Board Software enables the option board to gain access to location data, voice calls, the radio's accelerometer etc., which unlocks a few unique features. The software is able to pre-process this information and trigger a variety of alerts. The built-in memory can collect specific information and send it to TRBOnet when required.

VOICE RECORDING

Voice Recording allows all incoming and outgoing voice calls to be recorded on the option board. Recordings can be uploaded to TRBOnet manually or automatically.

ADVANCED LOCATION TRACKING
(GPS and Indoor Location)

- Frequent location updates (every 2-5 seconds)
- Seamless tracking, the radio can report both its GPS and indoor location
- Location data can be collected outside the radio coverage area
- Internal memory can store up to 500,000 coordinates
- Store and Forward, location data packets are collected and compressed before being sent to TRBOnet
- Instant geofence alerts, configurable per radio
- Location-based auto channel selection

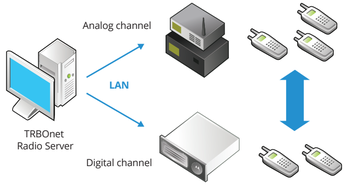
ENHANCED SAFETY

Lone Worker | No Movement | Crash Detection | Man Down

TRBOnet Option Board software includes the most popular personal safety features. The software analyzes data from the radio's orientation and its acceleration. If the parameters exceed the predefined user programmable values, an alarm will be generated. All settings are configurable per device and can be adapted to the customer's unique needs.

TRBOnet IP Gateway

An IP Gateway works in conjunction with a control (donor) radio and is connected to the TRBOnet dispatch system over IP, thus enabling the dispatcher to monitor a radio channel. IP Gateways support DM4000 series radios operating in the digital or analog mode. Some legacy radios as well as certain digital non-MOTOTRBO platforms are also supported for voice calls.



- Easy installation of DM4000 series control radios
- As an IP-based device, IP Gateway can be installed anywhere
- Unlimited number of IP Gateways on the same TRBOnet system
- No USB ports are required
- Sound cards for voice capable control radios are not needed
- Seamless integration of analog and digital channels
- Support for SLR5500 in the analog mode
- High latency environments (up to 2500ms)

USE CASES

- Remote control room, where your control radio is installed at a remote site and USB connection is therefore impossible
- Digital migration, where your radio fleet includes both analog and digital radios on a temporary or permanent basis. This allows a single dispatcher to communicate with all radio users and patch analog and digital channels

One Stop Shop

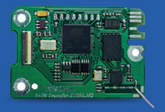
TRBOnet **Software**

TRBOnet Enterprise/Plus

TRBOnet Watch

TRBOnet Voice Recorder

Hardware Products



Option Boards

IP Gateways

Mic Adapters

Mobile Applications

PTT over Cellular

Watch Client

TRBOnet Communicator

Sales & Support

For Sales & Support please contact your local TRBOnet dealer or visit **www.trbonet.com** for a complete list of dealers in your region.

EMEA	Americas	APAC
+44 203 6080598	**+ 1 872 222 8726**	**+61 28 6078325**

www.trbonet.com | info@trbonet.com

TRBONET
Dispatch Systems

TRBOnet Solutions

for MOTOTRBO™ and DIMETRA EXPRESS

IP DISPATCH CONSOLE | **SYSTEM HEALTH MONITOR** | **HARDWARE SOLUTIONS**

AUTHORIZED APPLICATION PROVIDER DIMETRA™ MOTOROLA SOLUTIONS

AUTHORIZED APPLICATION PROVIDER MOTOTRBO™ MOTOROLA SOLUTIONS

MAKE THE MOST OF YOUR RADIO NETWORK

OCTOBER 2019

TRBOnet Enterprise

Integrated IP-based **dispatch systems**

Classic Console

TRBOnet Enterprise is an IP-based dispatch application with capabilities far beyond just mere dispatch functions and features. This powerful solution enables a user to fully control and manage all available resources. You can choose between our renowned Classic console or TRBOnet One, an enhanced dispatch solution with unrivalled flexibility.

CORE FEATURES

- **VOICE DISPATCH**
- **VOICE RECORDING**
- **AVL TRACKING**
- **TEXT MESSAGES**
- **EVENT LOGGING**
- **REPORTS**
- **EMAIL/SMS GATEWAYS**
- **SYSTEM BRIDGE**
- **LONE WORKER**
- **ASSET TRACKING**

ADDITIONAL MODULES

Indoor Positioning
iBeacon-based tracking
Route history
Custom indoor maps

Job Ticketing
Task assignment
Job status
Deadline alerts

Alarm Management
Simplifies daily routine
Modbus integration
Configurable notifications

Phone Interconnect
Phone to radio calls
On-screen dial pad
Conditional call forwarding

Web Interface
Any operating system
Access to GPS data
Text messaging, Job tickets

Guard Tour
Scheduled routes
Indoor and outdoor checkpoints
iBeacon support

IP Cameras
RTSP-compatible devices
Live video in the console
Can be added as map objects

PoC Integration
iOS and Android platforms
Walkie-talkie style communication
Interoperability with DMR

TRBOnet Server

A single server can work with multiple radio networks including MOTOTRBO, DIMETRA Express and analog radios, which creates a seamless communication environment.

SUPPORTED SYSTEMS

- **MOTOTRBO**
  IPSC, Capacity Plus, Linked Capacity Plus, Capacity Max
- **DIMETRA EXPRESS**
  MTS1, MTS2, MTS4
- **ANALOG RADIOS**
  Via IP Gateway A100/A200
- **JOTRON RADIOS**
  Via Transceiver TR-7750

TRBOnet One

TRBOnet All-in-One is an advanced console solution for TRBOnet Enterprise and TRBOnet PLUS. The unique configurable interface makes it easy for the administrator to create a console where the dispatcher can concentrate on tasks that really matter. TRBOnet One supports most features available in the Classic console and boasts a few unique capabilities, including:

- Flexible graphical user interface
- Telemetry Dashboard, support for MODBUS
- Indoor Location, support for 3D floor plans NEW
- Chats and file transfer NEW
- Visual alerts and notifications NEW

PTT over Cellular

The application turns your Android or iOS smartphone into a PTT device. The dispatcher console will treat this device as a regular two-way radio, i.e. it can be a part of a talk group, it can send and receive text messages, its location can be tracked, etc.

FEATURES

- Connects over Wi-Fi or 3G/4G
- Local server or cloud solution
- Private, group and all call
- GPS and Indoor location
- Job ticketing
- Text messages and file transfer
- Support for devices with the dedicated PTT button (*Telo, Motorola's LEX* etc.)
- Can be used independently without radio infrastructure

TRBOnet Watch

The industry's most advanced **system health monitor**

Real-Time Monitor

- Real time activity on each slot
- Graphical representation of voice and data packets
- Activity log with time stamps and detailed information
- Signal strength for voice calls
- Shows data traffic, such as GPS or text messages

Topology Monitor

- System diagram including all repeaters and TRBOnet consoles
- RDAC alerts with configurable severity levels
- Repeater connection status
- IP addresses and peer IDs of all repeaters
- Various system layout views

Watch Server

TRBOnet Watch is a packet sniffer designed for logging and analyzing data streams in your MOTOTRBO radio networks. The solution helps you monitor system usage and detect configuration problems. Watch is able to work with multiple radio networks.

SUPPORTED SYSTEMS

- IP Site Connect
- Capacity Plus
- Linked Capacity Plus
- Capacity Max
- IP Gateways

Reports and Analytics

- Exhaustive list of reports and diagrams
- Multiple built-in filters, custom filters
- System usage and busy channels reports
- Export to popular file formats
- Coverage maps for IPSC and Capacity Plus

TRBOnet Watch Client

- Configurable RDAC alerts
- Push notifications
- Quick statistics dashboard
- Essential system health information
- Support for iOS and Android smartphones

TRBOnet Communicator for MOTOTRBO NEW

The application can be installed on your Android smartphone or tablet. It connects to your MOTOTRBO portable or mobile radio via Bluetooth and gives you access to new features.

- **Text messaging over a radio channel**
  You can send and receive messages from radio users and dispatchers on your smartphone. This becomes especially beneficial if you use a numeric display radio such as DM4401e.
- **File attachments**
  Use your smartphone to take a picture and share it with your contacts. The application will automatically compress the picture before sending it via the radio channel.

Requirements: *Android 4.4.1, MOTOTRBO DP/DM4000 with Bluetooth enabled, Enterprise/Plus 5.4*