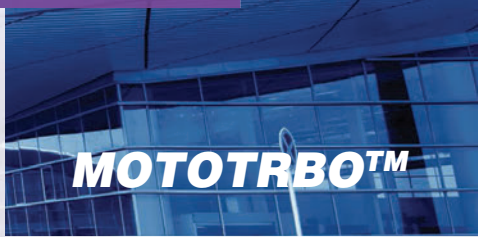
TRBOnet
Digital Technologies

TRBOnet for the Generic Option Board

Trust in TRBOnet to take care of you –
so you can take care of business.



TRBOnet provides powerful, easy-to-use and affordable solutions for the Motorola Generic Option Board that enhances the capabilities of any digital radio. It gives radio users the power to control their environment as well as protects personnel & resources by implementing modern solutions to increase safety.

TRBOnet addresses 3 key safety and productivity aspects of an organization's use of a radio system – enhanced safety, advanced location tracking and automated response:

ENHANCED SAFETY

MAN DOWN/ NO MOVEMENT

In a world when movement means life, standing still can mean trouble.

The feature allows to distinguish false alarms from the real threat – and act fast. The radio device constantly monitors position and movement and will produce a pre-warning tone to notify the user about unusual movement or if no motion is detected. Should the user not correct the radio position and dismiss the warning tone, an emergency alarm will be triggered and a notification will be sent to a dispatch center. Settings such as angle deviation, timeout interval, pre-alarm tones and volume level are configurable and can be changed at any time.

CRASH DETECT

Detecting an accident and sending help immediately can save lives.

The "Crash Detect" feature utilizes a similar method of detection to what is used in motorcycles. In this type of accident the driver or rider may be injured become unconscious. Should the radio sensor detect a strong G-force and unusual momentum followed by no movement, an immediate notification will be sent to a dispatcher.

LONE WORKER

Enabling safer work environments for workers in hazardous conditions

Implementing Lone Worker technology takes personnel safety to new heights. This feature allows the dispatcher to set a time interval in which the communication with a subscriber is expected. If a lone worker has not called the dispatcher for a pre-defined period of time, an alarm is activated.

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Dispatch Software for MOTOTRBO™

ADVANCED LOCATION TRACKING

GPS TRACKER

Decrease time gaps and increase visibility.

Get out of the guessing game - know exactly where your fleet is. The radio unit collects location information every 3-5 seconds, providing a much more detailed history on the routes taken. To decrease radio channel usage and load, the information is grouped into data packages and is sent to the dispatch console in specific intervals. In the event of a connection loss or operating outside the repeaters coverage all data is stored on the option board and is available to be sent on request or when triggered by a condition with a specific priority.

TELEMETRY

Manage events remotely and know more about them.

When events occur, telemetry is often critical to the decision-making process. With TRBOnet this function is as easy as enabling GOB Telemetry sensor tracking and start making use of the data produced by each radio unit. TRBOnet's GOB Telemetry supports up to 3 sensors for portable units and 5 sensors for mobile. GOB Telemetry by TRBOnet can also get active/inactive commands and sensor status using just one pin, a capability not currently available in regular telemetry processing. TRBOnet has the option to store telemetry signals, archive the data or make it available to be sent on request or when triggered by a condition with a specific priority. The completeness of telemetry data coupled with many ways to consume it and use it to make decisions makes TRBOnet's GOB Telemetry a natural fit for most implementations.

PORTABLE GEOFENCE

Know your boundaries.

The radio unit controls its location independently from a dispatch console and updates GPS coordinates and speed every 3-5 seconds without overloading the channel. If the radio leaves the zone of geofence or exceeds the speed limit, a tone and a message is triggered to immediately notify the user. The dispatcher receives a notifcation about the geofence rules violation with details on location and time.

GEOROAMING

Provide continuous connection and minimize human error.

When working with multiple radio channels it is crucial to switch channels at the right time to stay connected. With TRBOnet georoaming feature, the radio controls the switching of channels automatically according to GPS coordinates.

AUTOMATED RESPONSE CENTER

Alarm Management

Be two steps ahead of the situation.

Based on the data received from telemetry automated actions can be triggered. With the Alarm Management feature you can easily set numerous combinations of rules for every alarm. For every rule various actions can be pre-programmed, including job assignment, location request, email or text notifications and more. This feature helps not only to automate alarm response but also provides limitless customizable conditions for triggering specific alarms. It saves time and enables instant data dispatch for more efficient work process.

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