

TRBOnet Web Console User Manual

TRBOnet Web Console is a special on-line application. It is an extension for TRBOnet Enterprise software which allows the dispatchers to get access to a system using web browser. Web Console is the best solution for carriers, operators and systems with the huge number of users.

This application allows you to monitor your system without any special software installed on your computer. It is also possible to do it from the Ipad, Smartphone, etc. All you need is just to specify the address of your system and server.

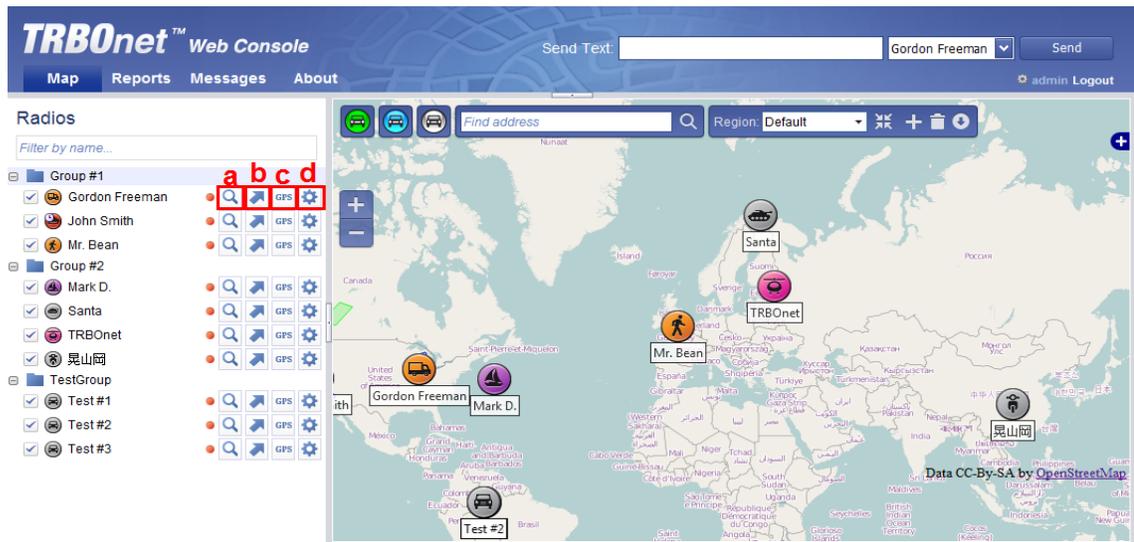
Map

In the **Map** interface you may see the current GPS location of the subscribers.

1. In the **Navigation tree** you may see the list of your subscribers divided into groups

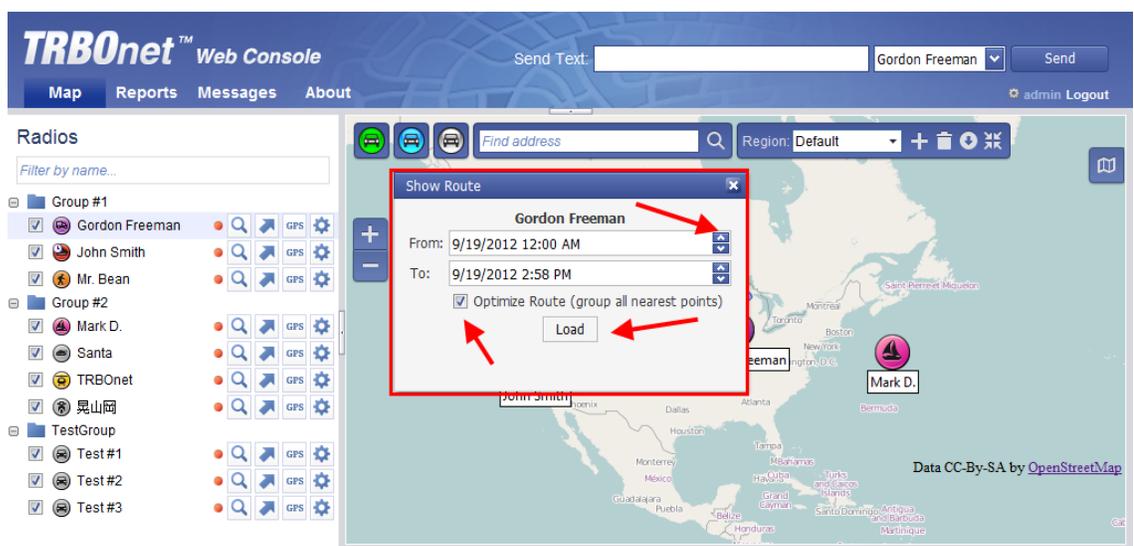
The screenshot displays the TRBOnet Web Console interface. At the top, there is a navigation bar with the logo and menu items: Map, Reports, Messages, and About. A search bar labeled "Send Text:" contains the number "3" and a dropdown menu showing "Gordon Freeman". Below the navigation bar, there is a "Radios" section on the left, which is a navigation tree. It lists two groups: "Group #1" and "Group #2". Under "Group #1", there are three subscribers: Gordon Freeman, John Smith, and Mr. Bean. Under "Group #2", there are four subscribers: Mark D., Santa, TRBOnet, and 泉山岡. Below "Group #2", there is a "TestGroup" with three test subscribers: Test #1, Test #2, and Test #3. The main area of the interface is a map showing the current GPS location of the subscribers. The map includes a search bar labeled "Find address" and a "Region" dropdown menu set to "Default". The map shows the location of "Gordon Freeman" in the United States and "Mark D." in the Caribbean. The location of "Mr. Bean" is marked in Europe. The map also shows various cities and countries. The interface is annotated with red boxes and numbers: "1" is next to the "TestGroup" in the navigation tree; "2" is next to the "Filter by name..." search bar; "3" is next to the "Send Text:" search bar; "4" is next to the "Region" dropdown menu; "5" is next to the zoom in (+) button; "6" is next to the zoom out (-) button; "7" is next to the "Find address" search bar; and "8" is next to the "Region" dropdown menu.

The following actions are available in the **Navigation tree**:



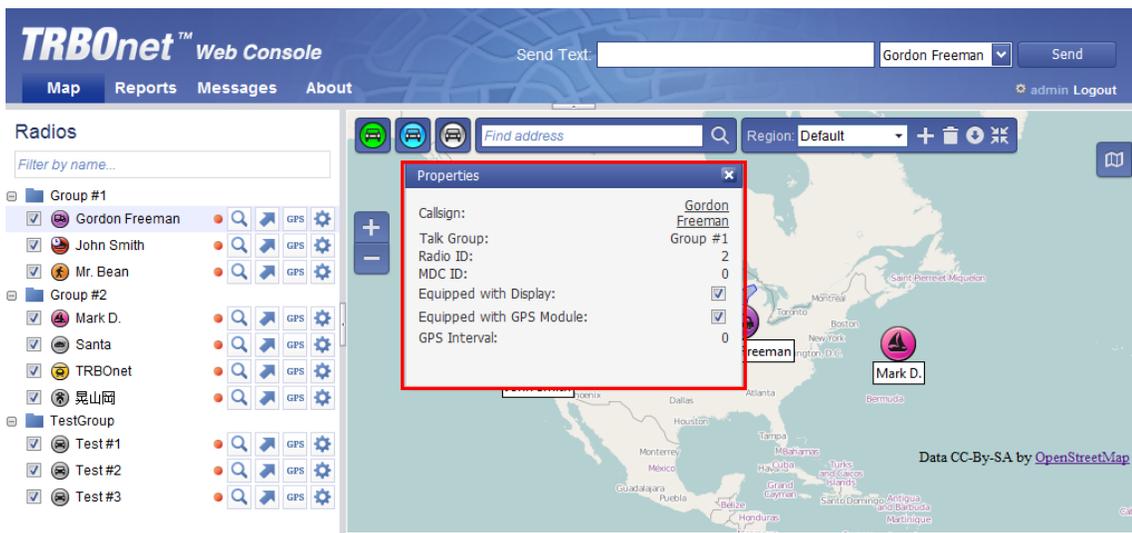
a - Press this button to see the subscriber in the center of the map

b - Press this button to see the route of the subscriber. Specify the date and time. You may also optimize route (group all nearest points). Then press **Load**.

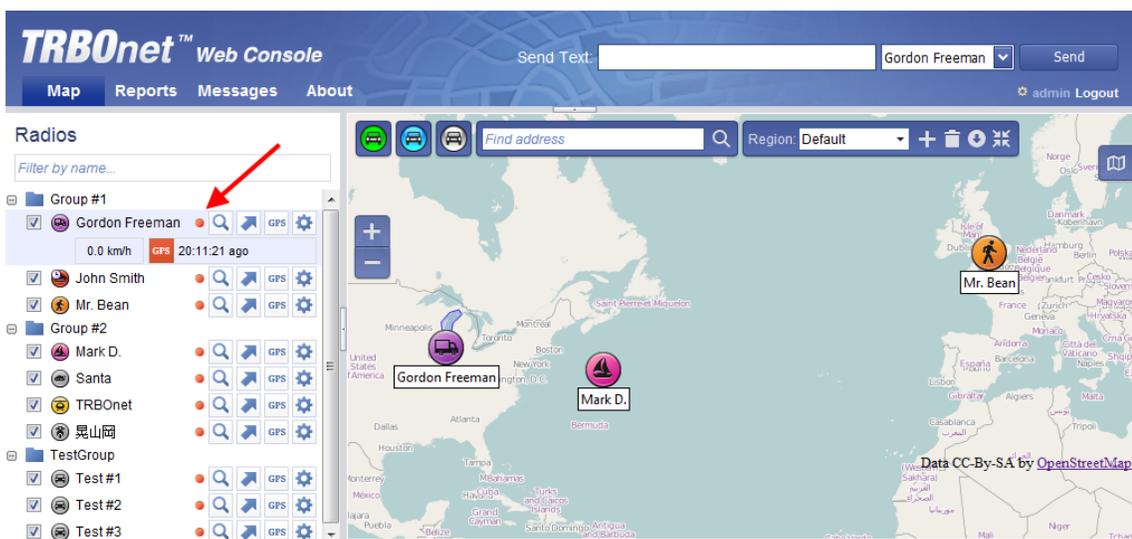


c - Press this button to request the GPS data of the subscriber

d - Press this button to see the properties of the subscriber



Note: The dot in front of the subscriber reflects the remoteness of the GPS data received by the system. Green means that data is received less than 2 minutes ago. Orange - from 2 up to 5 minutes ago. Red - more than 5 minutes ago. Click the subscriber to see more detailed information (speed of the subscriber and when the last GPS signal was received).



Note: Click the subscriber sign on the map to see its geographical location , its mobility, and current time of the place where the subscriber is used at the moment

The screenshot shows the TRBOnet Web Console interface. At the top, there is a navigation bar with "Map", "Reports", "Messages", and "About". A "Send Text" field is visible with a dropdown menu set to "Gordon Freeman" and a "Send" button. Below the navigation bar, there is a "Radios" section on the left with a "Filter by name..." input and a list of subscribers grouped into "Group #1" and "Group #2". Each subscriber has a status icon, a name, and a set of action icons (search, location, GPS, settings). The main area is a map showing the location of "Gordon Freeman" in Chicago, Cook, Illinois, United States of America, North America. A popup window for "Gordon Freeman" displays the following information:

- Date: 9/18/2012 5:47:53 PM
- Speed: 0.0 km/h
- Latitude: 41°54'8.197"N
- Longitude: 87°21'47.81"W
- Altitude: Unknown

The map also shows other subscribers like "Mr. Bean" and "Mark D." with their respective location icons.

2. Enter the name of the subscriber to find it in the list
3. Enter the message and choose the subscriber you want to send the message to
4. Click this sign to see the list of the maps you may use

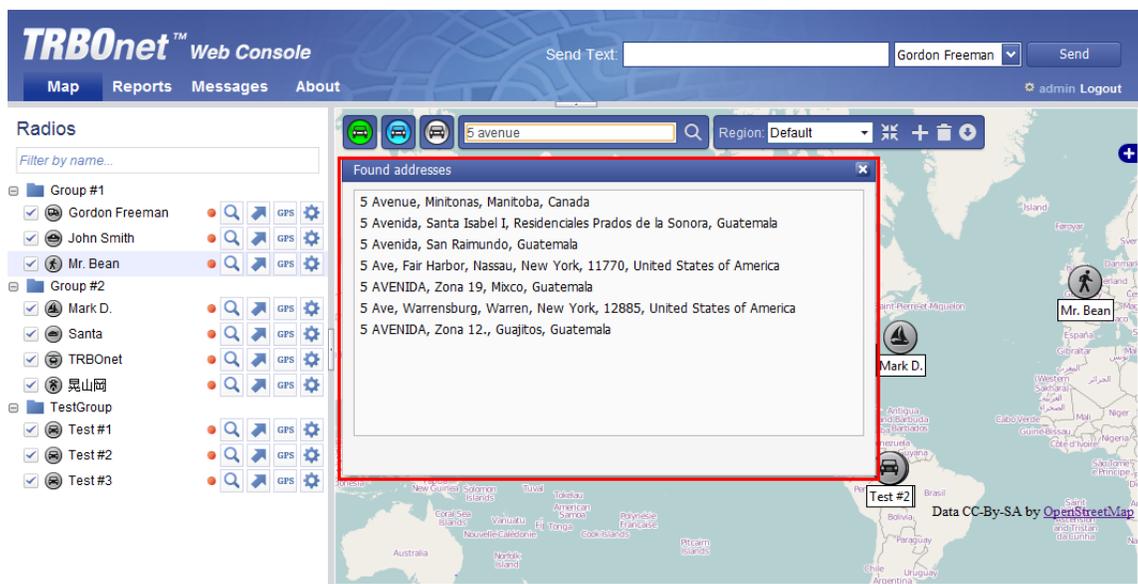
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The map also shows other subscribers like "Mr. Bean" and "Mark D." with their respective location icons. A map layer selection menu is open on the right side of the map, showing the following options:

- Base Layer
 - OpenStreetMap Mapnik
 - OpenStreetMap CloudMade
 - OpenCycleMap
 - Transport
 - Landscape
 - MapQuest
 - Google Physical
 - Google Streets
 - Google Hybrid
 - Google Satellite
- Overlays
 - Map Objects
 - Radios

5. Use this sign to zoom the map in or out (You can also use the mouse scroll for this).
6. a - **subscriber-on GPS-on** - press this button to see the on-line subscribers with activated GPS function
 - b - **subscriber-on GPS-off** - press this button to see the on-line subscribers with deactivated GPS function
 - c - **subscriber-off GPS-off** - press this button to see the off-line subscribers with deactivated GPS function.
7. Use **Find Address** function to find any certain place of the map you need



8. You may set as many regions as you want and go to those regions any time.
 - a - press the **Add new region** button if you want to save the region you see on the map at the moment
 - b - choose the region in the **Region** line and then press **Delete region** button to delete it

c -press **Save region** button if you want to make the region you see at the moment the default one

d - choose one of the regions you created in the **Region** line and then press the **Go to the region** button to see it

Note: Default region is activated everytime you start **Web Console**. When you launch it for the first time **Default region** is whole map, but you can change it.

Geocoding Type

Click on **Admin** to open **Options** table.

The screenshot shows the TRBOnet Web Console interface. At the top, there is a navigation bar with 'Map', 'Reports', 'Messages', and 'About' tabs. A 'Send Text' input field is present, along with a dropdown menu showing 'Gordon Freeman' and a 'Send' button. A red arrow points to the 'admin Logout' link in the top right corner. Below the navigation bar, a list of messages is displayed, including messages from 'Administrator', 'WIN7WEB\trbonet', 'Mark D.', and 'IIS APPPOOL\DefaultAppPool'. An 'Options' dialog box is open in the center, titled 'Options'. It contains the following settings:

- Geocoding type:**
 - Open Street Map
 - Google
- Show text messages on map
- Update timeout(seconds): 15

a) **Geocoding type**- choose the geocoding source you want to use with **Web Console**(where you want to get the coordinates from)

b) **Show text messages on map** - put the checkbox if you also want to see text message interface on the map

c) **Update timeout (seconds)** - choose the time interval for the update of the coordinates of the subscriber.

Reports

In the **Reports** interface you may generate detailed reports concerning your subscribers., print, and also export those reports

The screenshot displays the TRBOnet Web Console interface. At the top, the logo 'TRBOnet™ Web Console' is visible on the left, and a 'Send Text' field with a dropdown menu showing 'Gordon Freeman' and a 'Send' button are on the right. Below the logo, navigation tabs for 'Map', 'Reports', 'Messages', and 'About' are present. The 'Reports' tab is active. On the left side, a tree view shows 'GPS Reports' expanded, with 'Location for Period' selected. Other options include 'Drive Activity Detailed', 'Staying in a region', 'Idle time detailed', 'Common Reports', and 'Messages for Period'. The main content area is titled 'Location for Period' and contains the following configuration options:

- Select data by period:**
 - Start Date: 9/19/2012 2:36 PM
 - End Date: 9/26/2012 2:36 PM
- Filter:**
 - Radio: All
 - Min.Interval: 0 Seconds
 - Show name of streets (Reduces speed of report generation)

A 'Generate Report' button is located at the bottom of the configuration area.

GPS Reports

GPS Reports are the reports that show you all the details concerning the location and activity of your subscribers.

When any GPS report is generated you may use **Control Panel** to save or print it.

The screenshot shows the TRBOnet Web Console interface. The main content area is titled "Location for Period" and includes a "Generate Report" button. Below the button is a control panel with various icons and a dropdown menu. The control panel is annotated with letters a through k, corresponding to the list of actions provided in the text below. The report content below the control panel shows the title "Location for Period" and the date range "from 9/17/2012 2:02 PM to 9/24/2012 2:02 PM". Below this is a table with columns for Date, Latitude, Longitude, Altitude (meter), Accuracy (meter), Speed, Direction, and Open.

- a) **Display the search window** - represents a button to invoke the search dialog, allowing the users to search for specific text in a report.
- b) **Print the report** - press to print your report
- c) **Print the current page** - press to print only the page you are watching
- d) **First page** - press to go to the first page
- e) **Previous page** - press to go to the previous page
- f) **Page number** - here you may see the page you are at and go to other page you need
- g) **Next page** - press to go to the next page
- h) **Last page** - press to go to the last page
- i) **Export a report and save it to the disk** - press to download your report
- j) **Export a report and show it in a new window** - press to open your report in the new window (then you may also save or print it)
- k) **Format** - choose the format you want to save your report in.

1. **Location for period** - select this report to know the location of the subscriber for a certain period of time. Then press **Generate Report**.

The screenshot shows the TRBOnet Web Console interface. The main content area is titled "Location for Period". It contains a form for selecting data by period and filter. The "Start Date" is set to 1/18/2008 12:34 PM and the "End Date" is set to 9/21/2012 12:34 PM. The "Filter" section has "Radio" set to "All" and "Min.Interval" set to 5 Minutes. There is a checkbox for "Show name of streets (Reduces speed of report generation)" which is currently unchecked. A "Generate Report" button is located below the form. Below the form, there is a pagination bar showing "Page 23 of 23" and an "Image" button. Below the pagination bar, there is a table titled "Location for Period" with the following data:

Location for Period								
from 1/18/2008 12:34 PM to 9/21/2012 12:34 PM								
12/7/2011	9:05:42 PM	59°56'27.52"N	30°16'47.75"E	Unknown	12	0.0	0	on map
12/7/2011	9:05:42 PM	59°56'27.72"N	30°16'47.88"E	Unknown	15	17.2	342	on map

Specify the following parameters:

Select data by period

- **Start Date** - specify the start date.
- **End Date** - specify the end date

Filter

- **Radio** - select the subscriber you want to generate the report for.
- **Min. Interval** - sets the time interval to get the data (for example to show subscriber's location every 90 seconds). 90 seconds interval is recommended for one day report.

Show names of streets (reduces speed of report generation) - put the checkbox if you want to see the names of the streets in the report

2. **Drive Activity Detailed** - select this report to see the drive activity of the subscribers for a certain period of time. Then press **Generate Report**.

TRBOnet™ Web Console Send Text: Gordon Freeman admin Logout

Map Reports Messages About

GPS Reports

- Location for Period
- Drive Activity Detailed**
- Staying in a region
- Idle time detailed

Common Reports

- Messages for Period

Drive Activity Detailed

Select data by period:

Start Date: 7/14/2012 12:34 PM

End Date: 9/21/2012 12:34 PM

Filter:

Radio: All

Min. stop time: 30 Seconds

Stop borders(m): 100

Show all states

Page 1 of 1 Pdf

Trace Detail

from 7/14/2012 12:34 PM to 9/21/2012 12:34 PM

Radio: John Smith

Action	Begin date	End Date	Time interval	Calculated drive (km)	Latitude
Drive	8/2/2012 10:38:56 AM	9/18/2012 5:55:26 PM	1135:16:29	12114.027	

Specify the following parameters:

Select data by period

- **Start Date** - specify the start date.
- **End Date** - specify the end date

Filter

- **Radio** - select the subscriber you want to generate the report for.
- **Min. stop time** - sets the minimum time interval considered to be a stop
- **Stop borders(m)** - sets the zone within which the drive activity of the subscriber would still be considered a stop

- **Show all states** - put the checkbox to see all the states of the subscriber in the report (not only drive activity).

3. **Staying In A Region** - select this report to know how long the subscriber was in a certain region. Then press **Generate Report**

The screenshot shows the TRBOnet Web Console interface. The top navigation bar includes 'Map', 'Reports', 'Messages', and 'About'. The 'Reports' section is expanded, showing 'GPS Reports' with sub-items: 'Location for Period', 'Drive Activity Detailed', 'Staying in a region' (selected), 'Idle time detailed', 'Common Reports', and 'Messages for Period'. The main content area is titled 'Staying in a region' and contains the following configuration options:

- Select data by period:**
 - Start Date: 9/14/2012 5:52 PM
 - End Date: 9/21/2012 5:52 PM
- Filter:**
 - Radio: All
 - Region: All regions

A 'Generate Report' button is located below the configuration options. Below the button is a pagination bar showing 'Page 1 of 1' and a 'Pdf' download option. The report results are titled 'Staying in a region California' and cover the period 'from 9/14/2012 5:52 PM to 9/21/2012 5:52 PM'. The results are summarized as follows:

Region: California
Radio: John Smith

Entering the region	Leaving the region	Staying in the region
9/18/2012 5:55:21 PM	9/18/2012 5:55:23 PM	00:00:02
9/18/2012 5:55:26 PM	9/21/2012 5:52:23 PM	71:56:56

Specify the following parameters:

Select data by period

- **Start Date** - specify the start date.
- **End Date** - specify the end date

Filter

- **Radio** - select the subscriber you want to generate the report for
- **Region** - select the region you want to generate the report for.

4. **Idle time detailed** - select this report to know how long the subscriber was inactive. Then press **Generate Report**

The screenshot shows the TRBOnet Web Console interface. The top navigation bar includes 'Map', 'Reports', 'Messages', and 'About'. The 'Reports' section is active, and the 'Idle time detailed' report is selected in the left sidebar. The main content area is titled 'Idle time detailed' and contains the following configuration options:

- Select data by period:**
 - Start Date: 6/14/2012 5:52 PM
 - End Date: 9/21/2012 5:52 PM
- Filter:**
 - Radio: All
 - Speed(km/h): 5

A 'Generate Report' button is located below the filter options. Below the button is a pagination bar showing 'Page 1 of 1' and a 'Pdf' download option. The report content area displays the following information:

Idle time detailed
 from 6/14/2012 5:52 PM to 9/21/2012 5:52 PM
 Idle speed = 5 km/h
 Radio: Mr. Bean

Specify the following parameters:

Select data by period

- **Start Date** - specify the start date.
- **End Date** - specify the end date

Filter

- **Radio** - select the subscriber you want to generate the report for
- **Speed(km/h)** - select your own lowest speed level starting idle time regime

Common Reports

Common reports are the reports that show you the message details for a certain period of time. You may choose a certain kind of the message to specify the text to find.

1. **Messages for period** - select this report to see the subscriber messages for a certain period of time.

The screenshot shows the TRBOnet Web Console interface. The top navigation bar includes 'Map', 'Reports', 'Messages', and 'About'. The 'Reports' section is active, and the 'Messages for Period' report is selected in the left sidebar. The main content area displays the 'Messages for Period' configuration form and a table of results.

Messages for Period

Select data by period:

Start Date: 9/17/2012 6:29 PM

End Date: 9/24/2012 6:29 PM

Filter:

Message type: All Messages

Find text:

Generate Report

Date	Master Radio	Sender	Recipient	Comment
9/21/2012 11:09:23 PM		Lone Worker	All	
9/21/2012 6:05:17 PM		Geofencing	All	
9/21/2012 6:05:17 PM		RadioServer	All	
9/21/2012 5:38:44 PM		RadioServer	All	
9/18/2012 10:55:38 PM		Lone Worker	All	
9/18/2012 5:55:27 PM		Geofencing	All	
9/18/2012 5:55:26 PM		RadioServer	All	
9/18/2012 5:54:11 PM		Administrator	All	
9/18/2012 5:45:56 PM		Administrator	All	

Specify the following parameters:

Select data by period

- **Start Date** - specify the start date.
- **End Date** - specify the end date

Filter

- **Radio** - select the subscriber you want to generate the report for
- **Find Text** - specify the text symbols you want to find if necessary.

You may also save this report in PDF format

TRBOnet™ Web Console Send Text: Gordon Freeman

Map **Reports** Messages About admin Logout

- GPS Reports
 - Location for Period
 - Drive Activity Detailed
 - Staying in a region
 - Idle time detailed
- Common Reports
 - Messages for Period**

Messages for Period

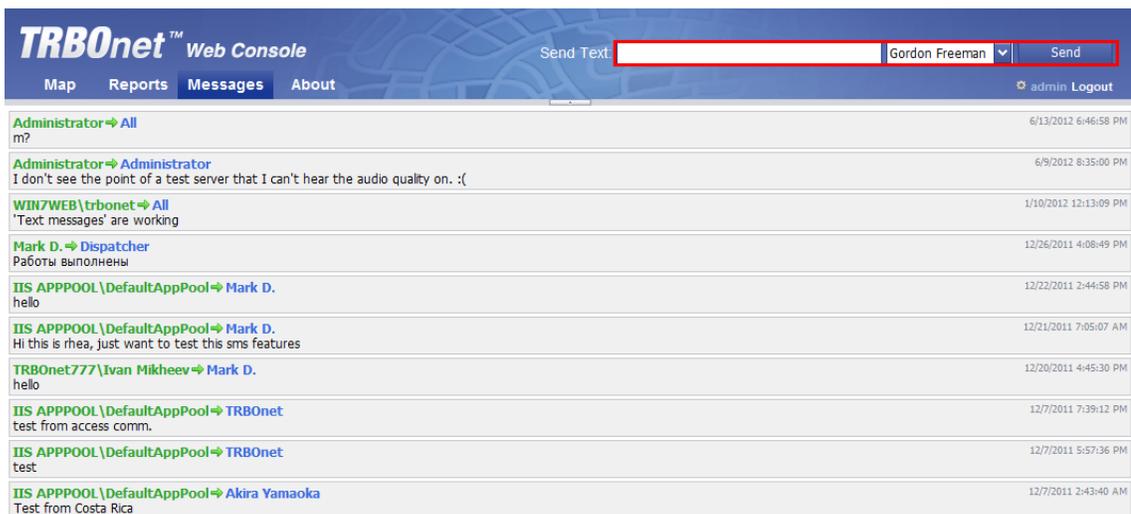
Select data by period:
Start Date:
End Date:

Filter:
Message type:
Find text:

Date	Master Radio	Sender	Recipient	Comment
 9/21/2012 11:05:23 PM		Lone Worker	All	
 9/21/2012 6:05:17 PM		Geofencing	All	
 9/21/2012 6:05:17 PM		RadioServer	All	
 9/21/2012 5:38:44 PM		RadioServer	All	
 9/18/2012 10:55:38 PM		Lone Worker	All	
 9/18/2012 5:55:27 PM		Geofencing	All	
 9/18/2012 5:55:26 PM		RadioServer	All	
 9/18/2012 5:54:11 PM		Administrator	All	
 9/18/2012 5:45:56 PM		Administrator	All	
 9/18/2012 5:45:55 PM		Administrator	All	
 9/18/2012 5:45:51 PM		Administrator	All	

Messages

In this interface you may send and receive messages from the subscribers.



The screenshot displays the TRBOnet Web Console interface. At the top, there is a navigation bar with the TRBOnet logo and 'Web Console' text. Below the logo, there are tabs for 'Map', 'Reports', 'Messages', and 'About'. On the right side of the navigation bar, there is a 'Send Text' form with a text input field, a dropdown menu showing 'Gordon Freeman', and a 'Send' button. Below the navigation bar, there is a list of messages. Each message entry includes the sender, recipient, message content, and a timestamp.

Sender	Recipient	Message Content	Timestamp
Administrator	All	m?	6/13/2012 6:46:58 PM
Administrator	Administrator	I don't see the point of a test server that I can't hear the audio quality on. :(6/9/2012 8:35:00 PM
WIN7WEB\trbonet	All	'Text messages' are working	1/10/2012 12:13:09 PM
Mark D.	Dispatcher	Работы выполнены	12/26/2011 4:08:49 PM
IIS APPPOOL\DefaultAppPool	Mark D.	hello	12/22/2011 2:44:58 PM
IIS APPPOOL\DefaultAppPool	Mark D.	Hi this is rhea, just want to test this sms features	12/21/2011 7:05:07 AM
TRBOnet777\Ivan Mikheev	Mark D.	hello	12/20/2011 4:45:30 PM
IIS APPPOOL\DefaultAppPool	TRBOnet	test from access comm.	12/7/2011 7:39:12 PM
IIS APPPOOL\DefaultAppPool	TRBOnet	test	12/7/2011 5:57:36 PM
IIS APPPOOL\DefaultAppPool	Akira Yamaoka	Test from Costa Rica	12/7/2011 2:43:40 AM

About

In progress