TRBONET Dispatch Systems

neocom software

AUTHORIZED APPLICATION PROVIDER DIMETRA™ MOTOROLA SOLUTIONS

AUTHORIZED APPLICATION PROVIDER MOTOTRBO™ MOTOROLA SOLUTIONS

TRBO.SOS

User Guide

Version 1.3

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Contents

1 Introduction

1.1 About This Guide

This document is intended for end users of the TRBO.SOS software installed on an Android/iOS mobile device. The document describes how to install and configure TRBO.SOS, configure and start check-in timer, enable and configure safety alarms, send predefined alarms, connect V.ALRT buttons, and report incidents.

1.2 About TRBOnet

TRBOnet is a suite of professional applications for MOTOTRBO digital two-way radio networks. TRBOnet manages voice and data communication paths across network endpoints. It provides a unified graphical dispatcher workbench interface for the entire range of workforce fleet management tasks.

For more information about TRBOnet products, refer to our website.

1.3 Contacts

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EMEA	+44 203 608 0598	info@trbonet.com — general and commercial inquiries support@trbonet.com — technical support https://trbonet.com/kb/ — online knowledge base
Americas	+1 872 222 8726	
APAC	+61 28 607 8325	

2 About TRBO.SOS

TRBO.SOS is a software application that may be used to help people summon first-aid, security or safety assistance via their Android/iOS mobile devices.

2.1 Features

- Requests To Talk
- GSM call (common phone call)
- Encryption of Voice and Data
- First Aid alarm
- Emergency alarm
- Fire alarm
- Police alarm
- Incident Reporting (photo + description)
- Lone Working - Check-In Timer
- Man Down Detection
- No Movement Detection
- Shake Detection
- Remote monitoring
- Location tracking in Alarm mode
- Enhanced push notifications (High-priority notifications bypass the mute mode)
- Wearable devices support (Bluetooth alarm buttons)

2.2 Requirements

The hardware and software requirements to install and run TRBO.SOS 1.3 on an Android/iOS mobile device include:

- Android version: 4.4.1 and higher
- Android version: 6.0 and higher to work with Bluetooth Wearable Devices
- iPhone 5s and above
- Network connection: Wi-Fi or 3G/4G/LTE
- TRBOnet Enterprise 5.5 and higher

3 Installation

The latest version of the TRBO.SOS software application is available for download on the Google Play Store (or App Store).

3.1 Installing TRBO.SOS

To install TRBO.SOS:

1. Visit the Google Play Store (or, App Store) from your mobile device.
2. Type "TRBO" in the **Search** box and run the search.
3. Tap the TRBO.SOS application, then tap the **Install** button.

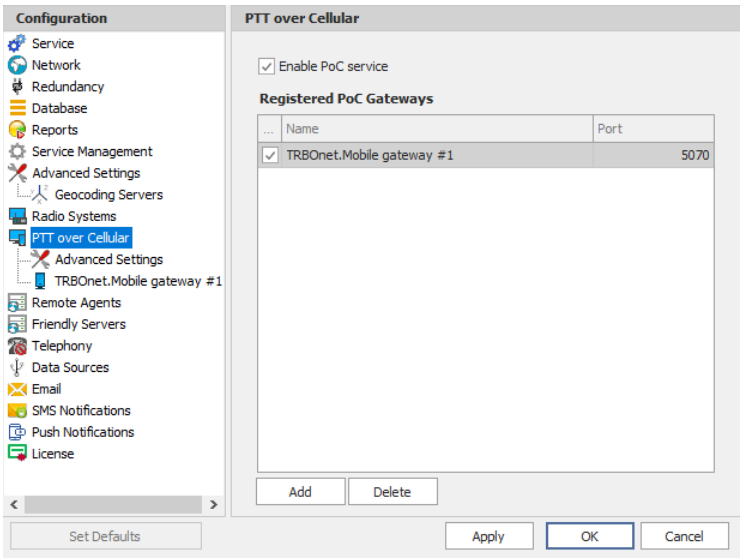
4 Configuring TRBOnet Enterprise

Before connecting TRBO.SOS to TRBOnet Enterprise, make sure that a Mobile System gateway have been configured in TRBOnet Server, and the corresponding TRBO.SOS account has been created in TRBOnet Dispatch Console.

4.1 Configuring TRBOnet Server

This section describes how to configure TRBOnet Server.

- In the **Configuration** pane, select **PTT over Cellular**.
- In the **PTT over Cellular** pane, select **Enable PoC service**.

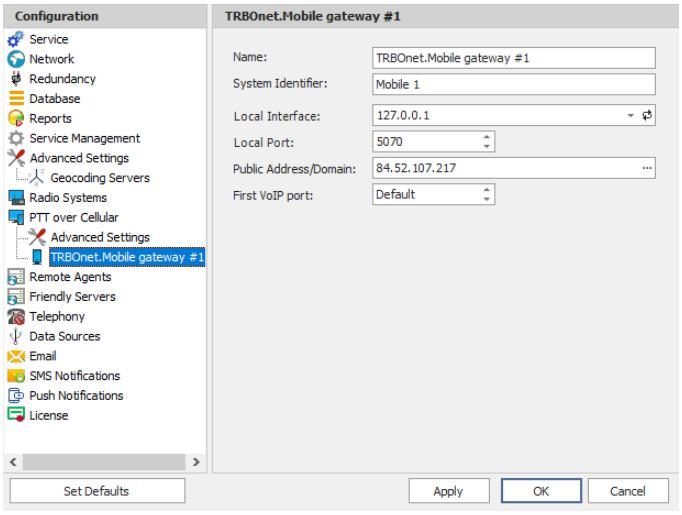


4.1.1 Advanced Settings

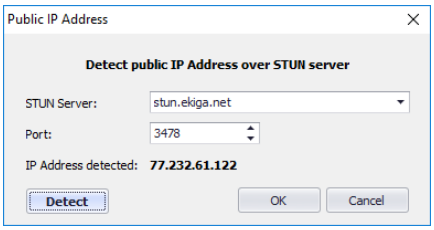
- In the **Configuration** pane, select **PTT over Cellular > Advanced Settings**.
- In the **Advanced Settings** pane, specify the following parameters:
  - **Max Call Time**
    Specify the maximum call time, in minutes.
  - **Registration Interval**
    Enter the time interval, in seconds, to check the registration status of mobile subscribers.

4.1.2 Adding a Mobile Gateway

- In the **PTT over Cellular** pane, click **Add**.
- In the **Mobile Gateway** pane, specify the following parameters:



- **Name**
  Enter the name of the mobile gateway.
- **System Identifier**
  Enter the name of the mobile system to which the gateway will belong.
- **Local Interface**
  Enter the IP address of the PC with TRBOnet Server.
- **Local Port**
  Enter the local UDP port number for the Mobile service (5070, by default).
- **Public Address/Domain**
  This is the public IP address of your PC. To detect the public address, click the ellipsis (**...**) button.



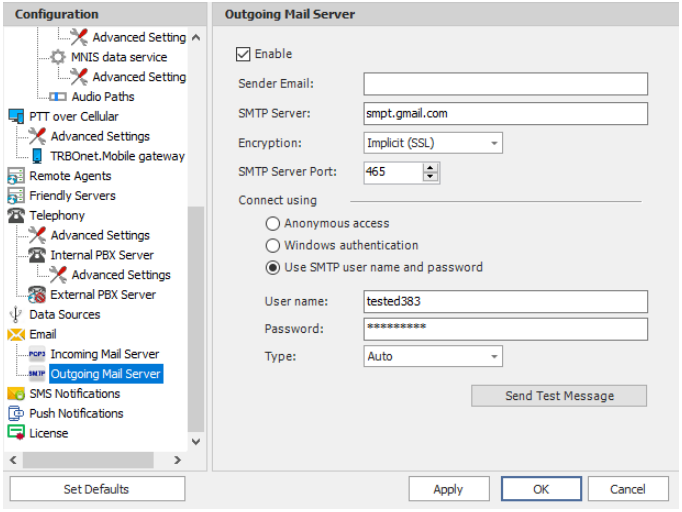
  - **STUN Server**
    From the drop-down list, select the STUN Server.
  - **Detect**
    Click this button to detect your public IP address.
- **First VoIP port**
  Enter the number of the first VoIP port for audio communications. The default value is specified in **Configuration > Network**.

Note: In addition, in order to ensure a better performance, go to **Configuration > Network**, and set the **Data protocol** parameter to **UDP**.

4.1.3 Adding Outgoing Mail Server

To enable registering TRBO.SOS applications with an email address (see section 5.1.4.2, Registering with Email), perform the following steps:

- In the **Configuration** pane, select **Email**.
- In the **Email** pane, select **Enable Email Server**.
- In the **Configuration** pane, under **Email**, select **Outgoing Mail Server**.



- In the **Outgoing Mail Server** pane, specify the following outgoing mail-related parameters:
  - **Enable**
    Select this option to enable Outgoing Mail Server.
  - **Sender Email**
    Enter the email address (optional) of the sender.
  - **SMTP server**
    Enter the server hostname or IP address of the SMTP server.
  - **Encryption**
    From the drop-down list, select the encryption protocol (**SSL**, **TLS**) if a secure connection is required, or select **None** if not. Note that three different dedicated ports will be used to connect to the mail server: via SSL, TLS, or with no encryption.

    Note: The port number will automatically change when you select the encryption protocol. For example, from **25** (no encryption) to **465** for SSL, and to **587** for TLS.

  - **SMTP server port**
    The port number to be used for the connection.

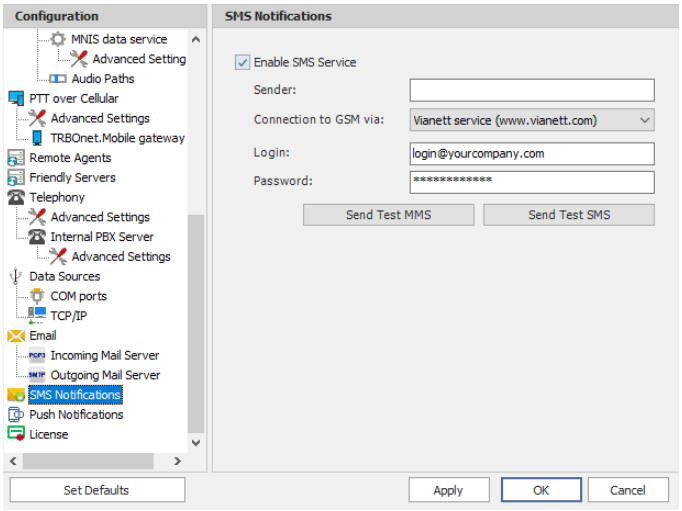
    Note: This box is populated automatically depending on the selected encryption protocol.

- **Connect using**
  Choose one of the following options:
  - **Anonymous access**
    Choose this option to use an anonymous access to the SMTP server.
  - **Windows authentication**
    Choose this option to connect via TRBOnet Service Windows Account, if it is running under a specific account;
  - **Use SMTP user name and password**
    Choose this option and specify the credentials for the mailbox:
    - ✓ **User name**
      Enter the SMTP server user name.
    - ✓ **Password**
      Enter the SMTP server password.
    - ✓ **Type**
      From the drop-down list, select the SMPT login type.
- **Send Test Message**
  Click this button to send a test message from the Sender Email address.

4.1.4 Enabling SMS Service

To enable registering TRBO.SOS applications with a phone number (see section 5.1.4.1, Registering with Phone Number), perform the following steps:

- In the **Configuration** pane, select **SMS Notifications**.
- In the **SMS Notifications** pane, select **Enable SMS Service**.



- In the **SMS Notifications** pane, specify the following SMS-related parameters:
  - **Sender**
    Leave this box blank.

- **Connection to GSM via**
  From the drop-down list, select the type of connection.
  - **COM port GSM modem**
    Select this item if you are using a GSM Modem connected via COM port. In addition, select the **COM port** the modem is connected to, and enter the **SIM Card Pin Code**.
  - **Gemalto Cinterion EHS6T LAN**
    Select this item if you are using a Cinterion EHS6T GSM modem connected via LAN. In addition, enter the **IP address** of the modem, and enter the **SIM Card Pin Code**.
  - **Vianett service**
    Select this item to use an account on Vianett service.
    For more details on Vianett service, see www.vianett.com
  - **SMS Broadcast**
    Select this item to use an account on SMS Broadcast service.
    For more details on SMS Broadcast service, see www.smsbroadcast.com.au
  - **Clickatell**
    Select this item to use an account on Clickatell service.
    In addition to the **Login** and **Password**, you'll have to specify the **API ID**.
    For more details on Clickatell service, see www.clickatell.com
  - **IntelliSoftware**
    Select this item to use IntelliSoftware SMS Gateway.
    For more details on IntelliSoftware SMS service, see www.intellisoftware.co.uk
- **Login**
  Enter the login for the selected service account.
- **Password**
  Enter the password for the selected service account.
- **Send Test MMS**
  Click this button to send a test MMS from the selected service account to a recipient's phone number.

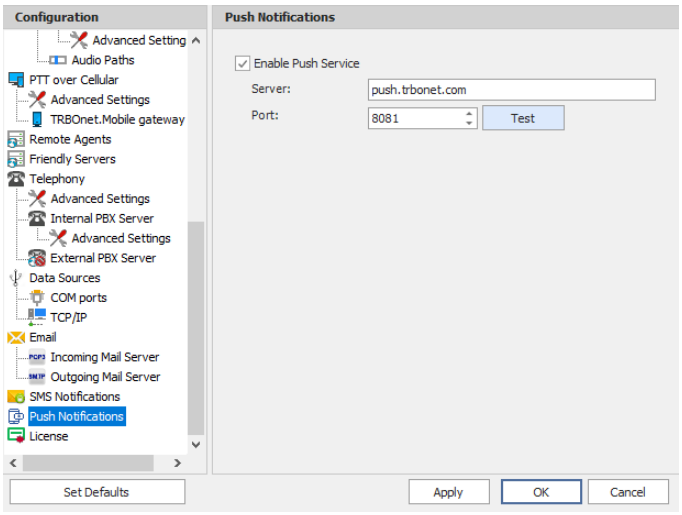
  Note: This button is available when connected via Vianett service only.
- **Send Test SMS**
  Click to send a test SMS from Vianett account to recipient phone number.

  Note: This button is available when connected via Vianett, SMS Broadcast, or Clickatell services.

4.1.5 Enabling Push Notifications

To enable sending push notifications to connected TRBO.SOS applications, do the following:

- In the **Configuration** pane, select **Push Notifications**.
- In the **Push Notifications** pane, select **Enable Push Service**.

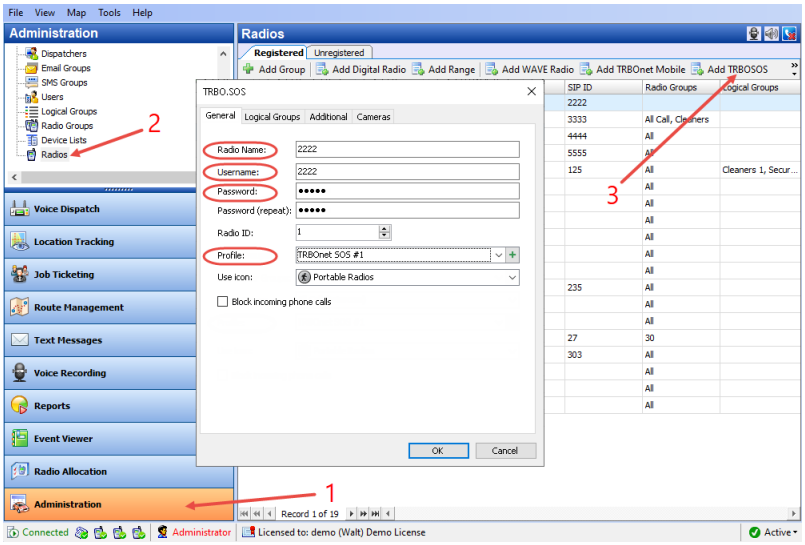


- In the **Push Notifications** pane, specify the following parameters:
  - **Server**
    Enter the Ethernet IP address of the push server.
  - **Port**
    Enter the UDP port number of the push server.
  - **Test**
    Click this button to check the connection to your push server. If the test is successful, you'll see information on the server you are connected to.

4.2 Configuring TRBOnet Dispatch Console

4.2.1 Adding TRBO.SOS

- Go to **Administration** (1), **Radios** (2) and click **Add TRBO.SOS** (3).



- On the **General** tab, enter the following parameters:
  - **Radio Name**
    Enter the descriptive name of the TRBO.SOS user to display in the Dispatch Console.
  - **Username**
    Enter the Login that will be used by the TRBO.SOS user. Note that this is a case-sensitive value.
  - **Password**
    Enter the password for the authentication.
  - **Profile**
    Select the location profile for the mobile client. See section 4.2.2, Adding TRBO.SOS Profile.
- On the **Logical Groups** tab, specify logical groups for the TRBO.SOS user:
  - In the list of available groups, select desired group(s).
- On the **Additional** tab, specify additional information about the TRBO.SOS user:
  - **Route Color**
    Specify a color to display the route passed by the radio on the map.
  - **Load Image**
    Click this button and browse for the photo or image to assign to the radio.
  - In the table below, specify the desired values for the custom fields.
- On the **Cameras** tab, select the check box beside the camera that will be associated with the TRBO.SOS user.

4.2.2 Adding TRBO.SOS Profile

The Mobile Client Profile feature allows configuring different location profiles that can be applied to the Mobile Client app running on a smartphone.

- Go to **Administration > Mobile Client Profile (TRBO.SOS)**.

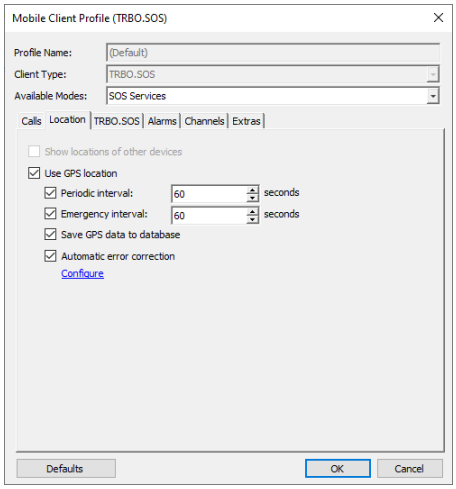
  You can see the default TRBO.SOS Profile settings in the **Mobile Client Profile (TRBO.SOS)** pane.

To add a TRBO.SOS Profile:

- In the **Mobile Client Profile (TRBO.SOS)** pane, click the **Add** button.
- In the **Mobile Client Profile (TRBO.SOS)** dialog box, specify the following parameters:
  - **Profile Name**
    Enter a name for the TRBO.SOS profile.
- Click the **Calls** tab.
  - **Remote Monitor**
    If you select this option, the dispatcher will be able to activate the device's microphone in hidden mode.
    - **Timeout**
      Specify the remote monitor duration, in seconds.

  Note: The dispatcher won't be able to execute the Remote Monitor command for Mobile Client apps running in the background on iOS 13 and later.

- Click the **Location** tab.

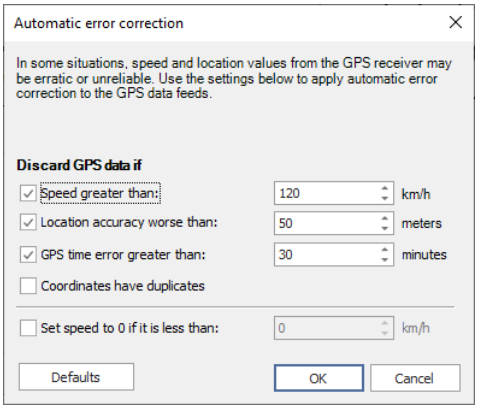


  - **Use GPS location**
    Select this option to enable sending GPS data to TRBOnet Server.
    - **Periodic interval**
      Specify the time interval, in seconds, that will be used to send GPS location data.

Note: Using an interval of 10 seconds or less may cause the following issues:
1) The mobile client's status will be blinking on the map if the **Coordinates have duplicates** option is selected in **Automatic error correction**.
2) The device's battery will quickly discharge.
3) The traffic between the server and the mobile client may significantly increase.

- **Emergency interval**
  Specify the time interval, in seconds, that will be used to send emergency messages.
- **Save GPS data to database**
  Select this option so that GPS data is saved in TRBOnet database.
- **Automatic error correction**
  Select this option to enable automatic error correction to detect and correct invalid GPS data.

  Click the **Configure** link and specify the GPS parameters to be corrected:



Discard GPS data if

✓ **Speed greater than**
Select this option and enter the maximum possible speed of your vehicles. As a result, the coordinates with speeds that exceed the maximum limit will be discarded.

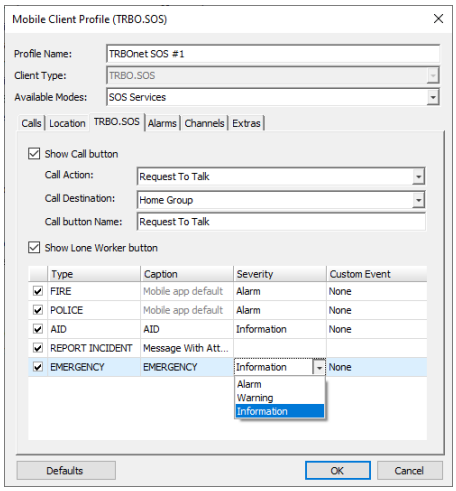
✓ **Location accuracy worse than**
Select this option and enter the largest distance for the accuracy of the GPS receiver. As a result, the coordinates with distances that exceed the maximum limit will be discarded.

✓ **GPS time error greater than**
Select this option and enter the largest allowable time error, in minutes. As a result, the coordinates with time errors that exceed the maximum limit will be discarded.

✓ **Coordinates have duplicates**
Select this option to remove duplicate coordinates from the GPS data.

✓ **Set speed to 0 if it is less than**
Select this option and enter the low-speed threshold. Speeds below this threshold will be considered as zero by the server.

- Click the **TRBO.SOS** tab.



- **Show Call button**
  If you select this option, the PTT button will be available in TRBO.SOS.
  - **Call Action**
    From the drop-down list, select the action to be performed when the PTT button is pressed: Request To Talk or Phone Call.

Note: TRBO.SOS apps running in the background on iOS 13 and later won't be able to receive a response to a request to talk from the dispatcher.

  - **Call Target**
    From the drop-down list, select the call target.
  - **Call button Name**
    Enter the name (label) of the PTT button.
- **Show Lone Worker button**
  If you select this option, the Lone Worker button will appear in TRBO.SOS. This will allow the TRBO.SOS user to start the Lone Worker mode.
- **Panic buttons**
  In the table below, specify the Type, Caption, Severity/Status, and Custom Event for the additional button(s).

- Click the **Alarms** tab.

- **Safety Alerts**
  Select the desired safety alarm buttons (**Man Down**, **No Movement**, **Shake**) to be shown in the TRBO.SOS app.

- Click the **Channels** tab.
  - **Home Group**
    Select the home group (**System** and **Group**) for the PTT button.
- Click the **Extras** tab.
  - **Battery Level**
    Select this option so that the smartphone's battery level will be sent to the Dispatch Console.

Note: TRBO.SOS apps send the battery information as soon as they are connected to TRBOnet. After successful connection, TRBO.SOS apps pass the battery level to the server with every location update, voice transmission and text message. Regardless of its activity, a TRBO.SOS app will update the battery charge level when it goes down to 90%, 80%, 70%, 60%, 50%, 40%, 30%, 20%, 15%, 10%, 5%, thus connecting to TRBOnet each time to update the level.

5 Getting Started

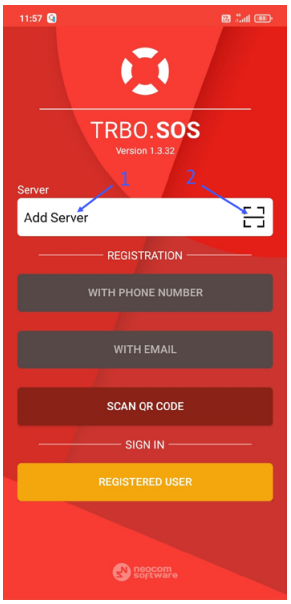
5.1 Connecting to TRBOnet Server

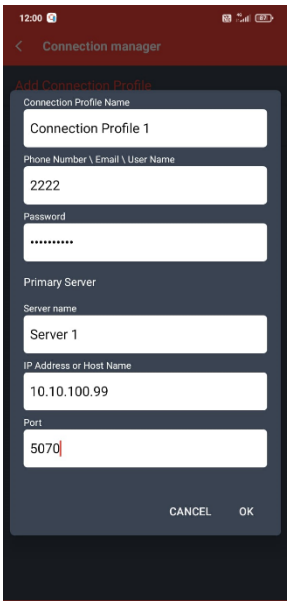
On the login page, make sure the connection profile and credentials are correct, and click **Connect**.

Note: If the connection cannot be established, make sure that your mobile device is connected to the network.

5.1.1 Adding Connection Profile

To add a connection profile:





- Tap on the **Connection Profile Name** (1).
- In the **Connection Manager** page:
  - Tap **Add Connection Profile**, and in the box that pops up, enter the following information:
    - **Connection Profile Name**
      Enter the name of the profile.
    - **Phone Number \ Email \ User Name**: The login for your TRBO.SOS application. See also section 4.2.1, Adding TRBO.SOS.
    - **Password**: The password for your TRBO.SOS application.

Note: The connection settings in the figure serve as an example. Contact your administrator to get the actual connection settings.

Primary Server

- **Server Name**
  Enter the name of the primary server.
- **IP Address or Host Name**: The IP address or the host name of the TRBOnet Mobile Gateway.
- **Port**: The local port of the TRBOnet Mobile Gateway (by default, 5070, see section 4.1, Configuring TRBOnet Server).
- Tap **OK**.

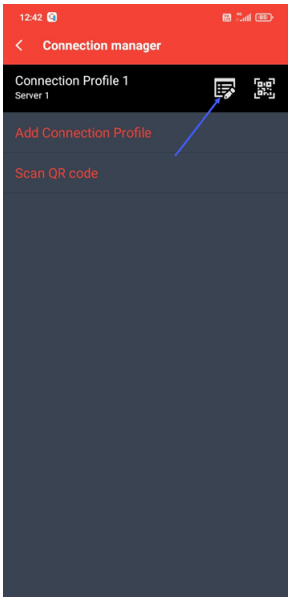
Or, to add a connection profile with the QR code:

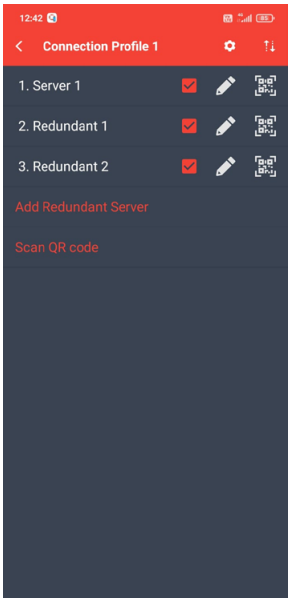
- Tap the button on the right (2).
- While in the **Scan QR code** page,
  - Point the camera at the QR code and wait for the QR code to scan.
    As a result, the corresponding connection profile will be added to the list of connection profiles.

5.1.2 Editing Connection Profile

To edit the connection profile:

- In the **Connection Manager** page, tap the Edit button.





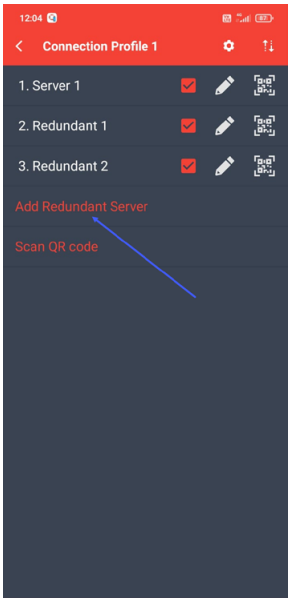
To get the profile's QR code:

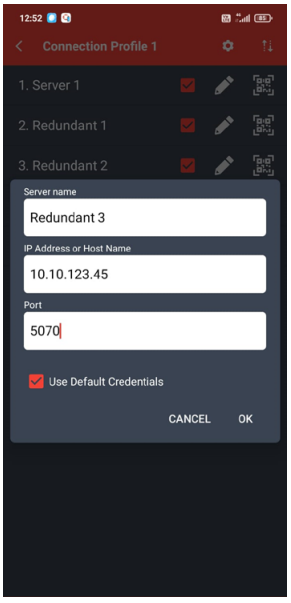
- In the list of connection profiles, tap the right-most button , and in the box that pops up, tap **Print** to print this QR code. You can also save the QR code on your device.

5.1.2.1 Redundant Servers

To add a redundant server to the connection profile:

- In the **Connection Profile** page, tap **Add Redundant Server**.
- In the box that pops up, enter the following information:
- **Server Name**
  Enter the name of the redundant server.
- **IP Address or Host Name**: The IP address or the host name of the TRBOnet Mobile Gateway.
- **Port**: The local port of the TRBOnet Mobile Gateway (by default, 5070, see section 4.1, Configuring TRBOnet Server).
- If you want to use credentials other than the default credentials for the profile, uncheck the **Use Default Credentials** check box, and enter the desired **Login** and **Password**.
- Tap **OK**.

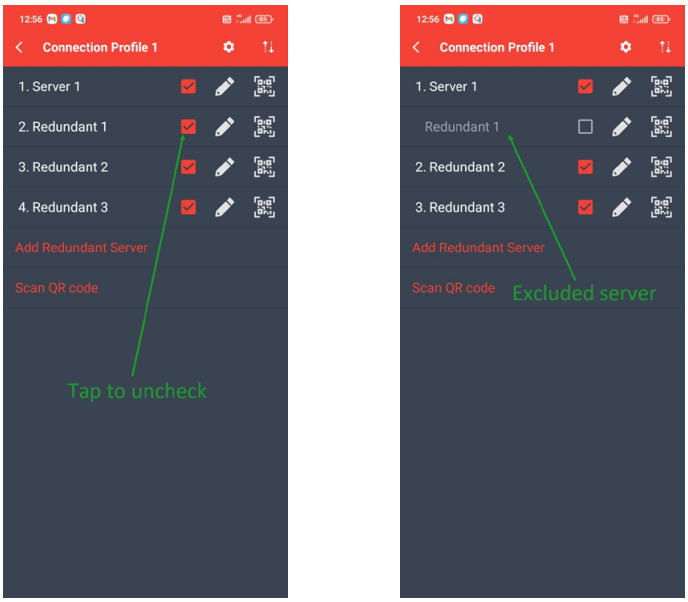




Or, to add a redundant server with the QR code:

- Tap **Scan QR code**.
- While in the **Scan QR code** page,
  - Point the camera at the QR code and wait for the QR code to scan. As a result, the corresponding server will be added to the list of servers.

To exclude the server from the list, uncheck the corresponding check box on the right of the server's name.



To edit the server properties, tap the pencil button on the right of the server's name, and in the box that pops up, enter the desired server information (Server name, IP Address, and Port).

To get the profile's QR code: In the list of servers, tap the right-most button , and in the box that pops up, tap **Print** to print this QR code. You can also save the QR code on your device.

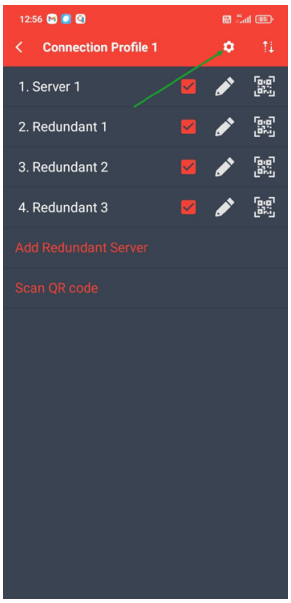
To change the priority of the servers, tap the right-most button in the title of the connection profile. In the **Change Priority** screen that opens, use the up and down arrows on the right.

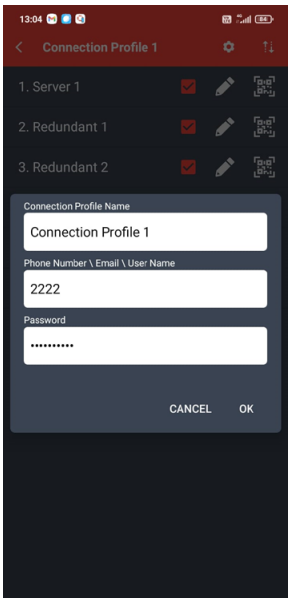
Note: The first checked server in the list will be used as the primary server, whereas the others will be used as redundant servers in their respective order.

5.1.2.2 Modifying Profile Properties

To change the profile name and default credentials:

- Tap the gear wheel button in the title of the connection profile.
- In the box that pops up, enter the desired parameters and tap **OK**.





5.1.3 Recommended Port Numbers

Available port range: 1024 - 65535
Recommended port value: **5070**.

5.1.4 Registering on TRBOnet Server

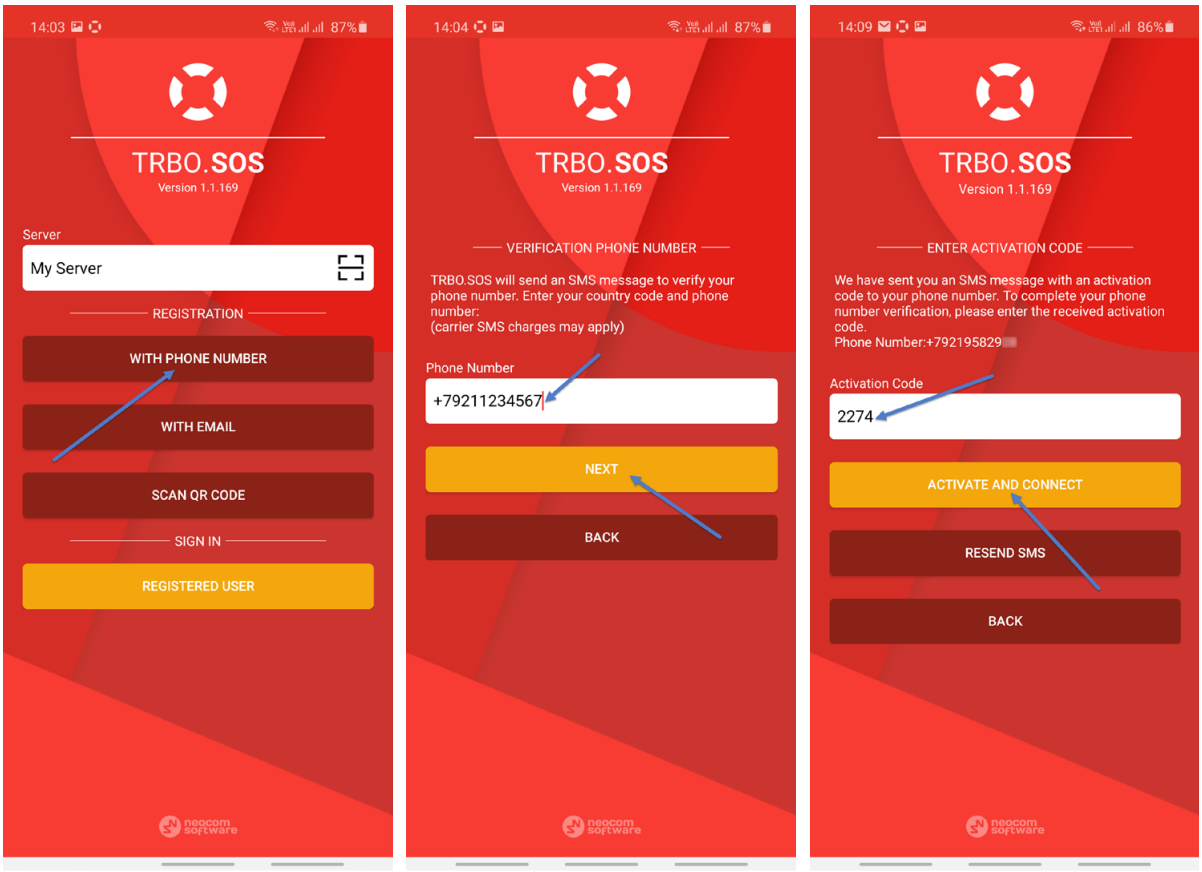
You can register on the selected TRBOnet Server with either email or phone number.

Note: The version of TRBOnet Server you are registering on must be 6.1.0.5962 and newer.

5.1.4.1 Registering with Phone Number

- Tap the **WITH PHONE NUMBER** button.
- Enter the phone number and tap **NEXT**.
- Enter the activation code you received via SMS and tap the **ACTIVATE AND CONNECT** button.

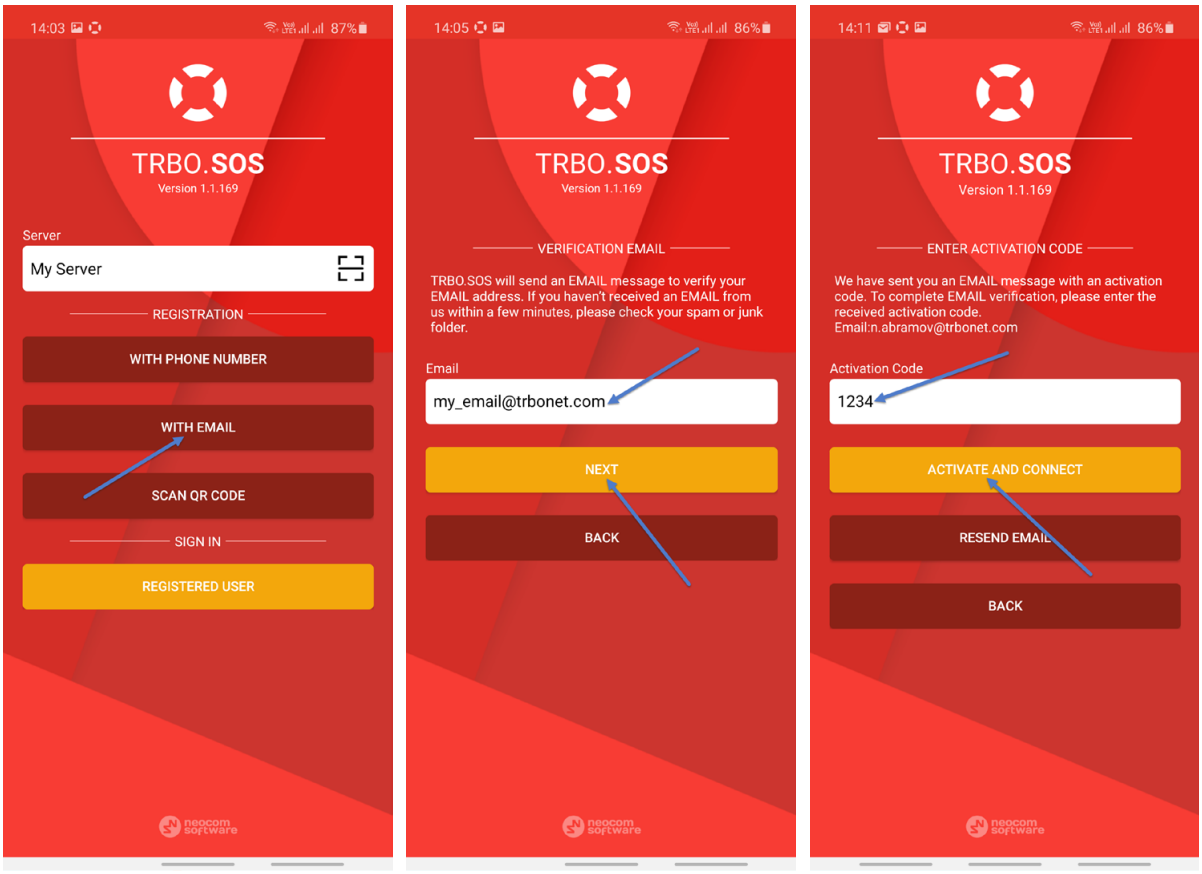
Note: If you haven't received the code within a minute, tap the **RESEND SMS** button to get the activation code again.



5.1.4.2 Registering with Email

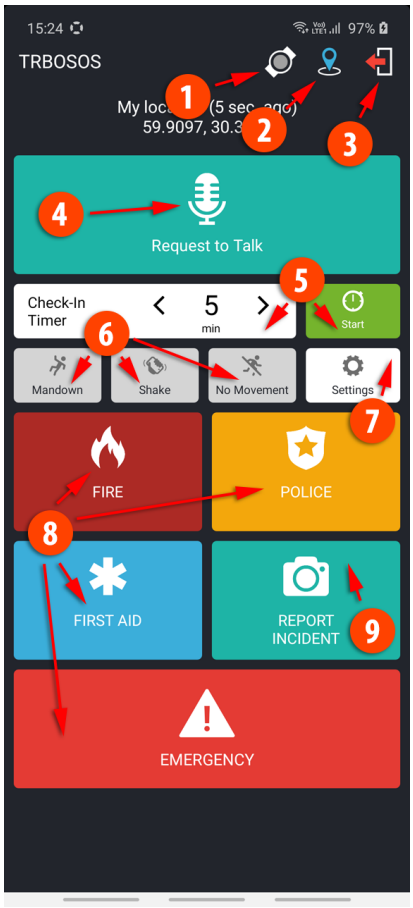
- Tap the **WITH EMAIL** button.
- Enter the email address and tap **NEXT**.
- Enter the activation code you received via Email and the **ACTIVATE AND CONNECT** button.

> Note: If you haven't received the code within a minute, tap the **RESEND EMAIL** button to get the activation code again.



5.2 Main Page

Once connected, you will see the main page of TRBO.SOS.



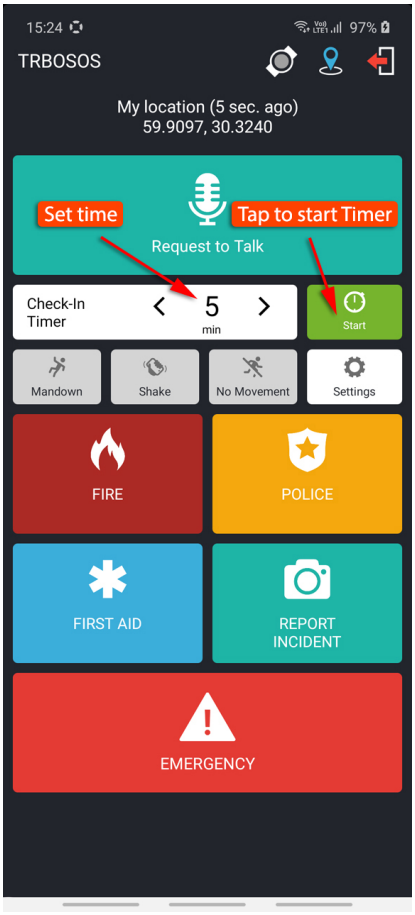
1. Bluetooth Device
   This icon indicates the state of connection to a Bluetooth device:
   Green – connected to device
   Yellow – connecting to device (or searching for device)
   Grey – not connected to device
   See section 5.6, Connecting Bluetooth Accessory.
2. GPS Positioning
   This icon indicates that the GPS Positioning is enabled in TRBO.SOS Profile (Location tab, Use GPS Location selected).
3. Quit button
   Tap this button to disconnect from the server.
4. PTT button (Request to Talk or Phone Call)
5. Lone Worker buttons
   Select the Check-in Timer value and tap the Start button to start the Lone Worker mode. The Lone Worker buttons appear if they are configured in TRBO.SOS profile, TRBO.SOS tab.

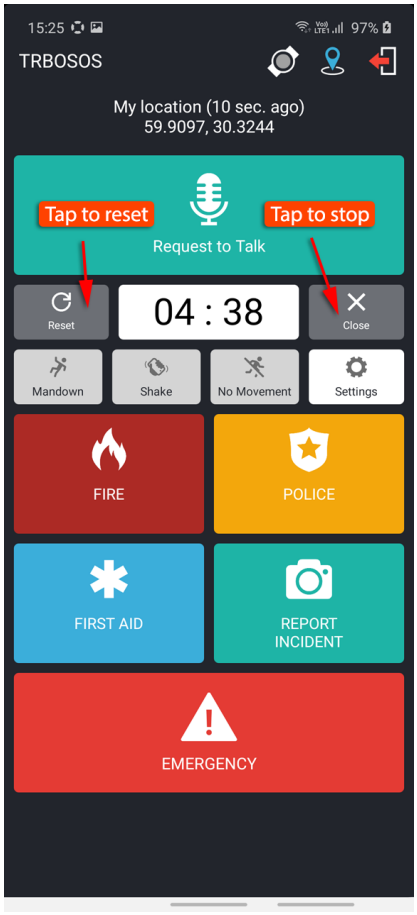
6. Safety Alarm buttons
   If you select the button (selected button turns red), then the corresponding alarm event will be triggered on the device. The safety alarm buttons appear if they are configured in TRBO.SOS profile (Alarms tab).
7. Settings (see section 6, Settings)
8. Panic buttons
   Depending on what is configured in TRBO.SOS profile (TRBO.SOS tab, Panic buttons), you may see up to four panic buttons. Tapping and holding these buttons will send the corresponding alarms.
9. Report Incident button
   To report an incident, tap this button and take a photo to be sent. This button appears if configured in TRBO.SOS profile (TRBO.SOS tab).

5.3 Check-in Timer / Lone Worker

You can also set a Check-in Timer (Lone Worker), which starts a countdown timer to cover the duration of your work session. The timer will count down to zero, starting from your nominated time. At any time, you can tap the timer to stop or reset.

- Tap the **Start** button.
- To reset the timer, tap **Reset**.
- To stop the timer, tap **Close**.

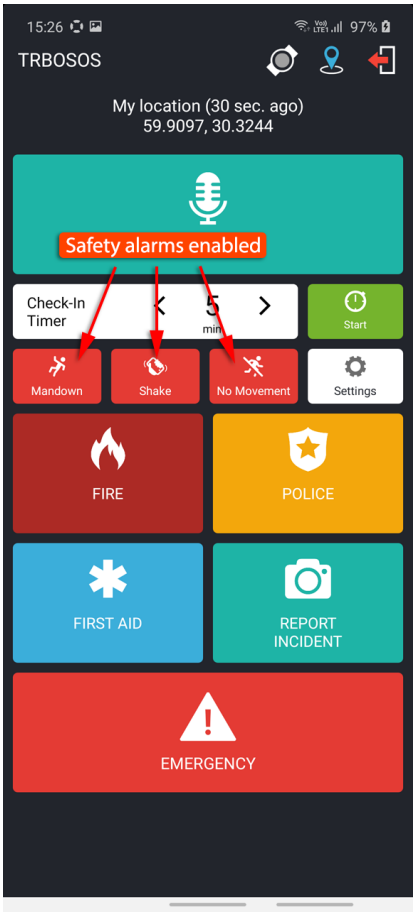




If the timer expires, TRBO.SOS will raise an alert, sharing your location and ID with the corresponding dispatchers.

5.4 Enabling Safety Alarms

You can enable the following safety alarms provided they are configured in TRBO.SOS profile (Alarms tab). Just tap the corresponding button (selected button turns red).



- **Man Down**
  This alarm event is triggered when the smartphone's tilt angle is below the threshold angle for a time longer than the pre-alarm duration.
- **Shake**
  This alarm event is triggered when a user physically moves their smartphone from side to side a couple of times.
- **No Movement**
  This alarm event is triggered when the smartphone's acceleration is below the threshold for a time longer than the pre-alarm duration.

The Safety alarms can be additionally customized. See section 6, Settings.

5.5 Sending Predefined Alarms

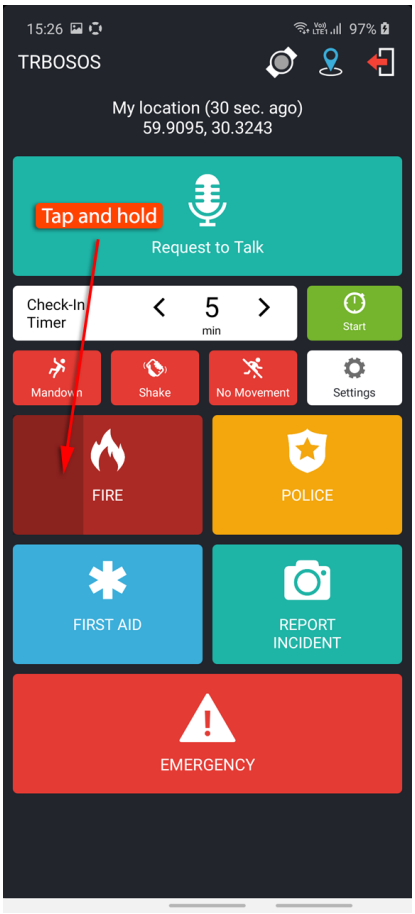
Depending on what has been selected in TRBO.SOS Profile (TRBO.SOS tab, Panic buttons), you can send various alarms by tapping and holding the following buttons:

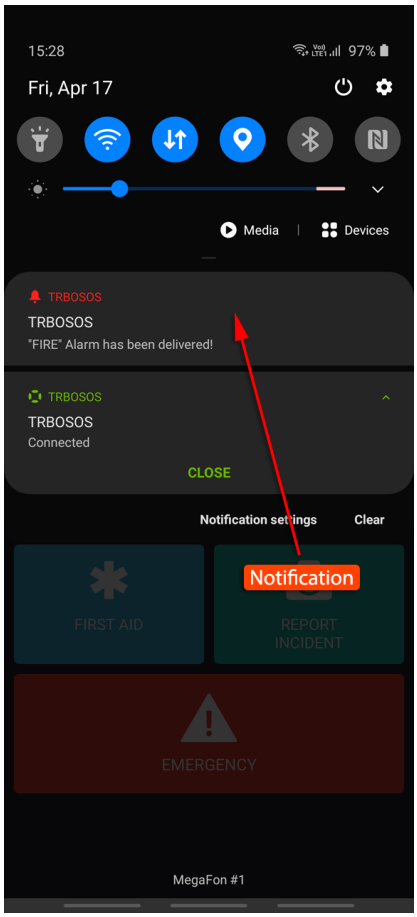
- Fire
- Police
- First Aid
- Emergency

To send an alarm:

- Tap and hold the corresponding button until it vibrates thrice.

  Once the alarm reaches the dispatcher, you will see a notification saying "TRBO.SOS # Alarm has been delivered".

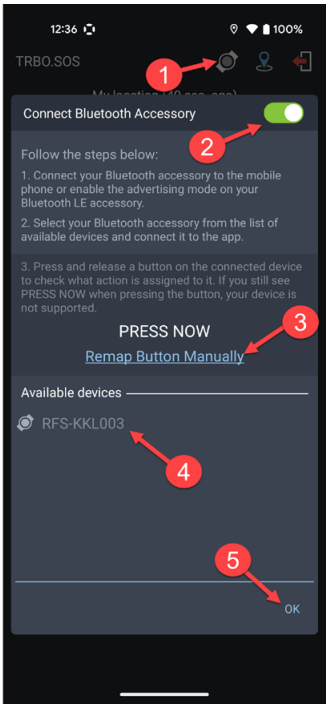




Note: You can also send a pre-defined alarm by long-pressing the connected Bluetooth button. See section 5.6, Connecting Bluetooth Accessory.

5.6 Connecting Bluetooth Accessory

You can also use your Bluetooth device connected to the smartphone. You can configure the Bluetooth button to send one of the three pre-defined alarms (Emergency, Police, or First Aid). In addition, the Bluetooth device can be used for Man Down detection.

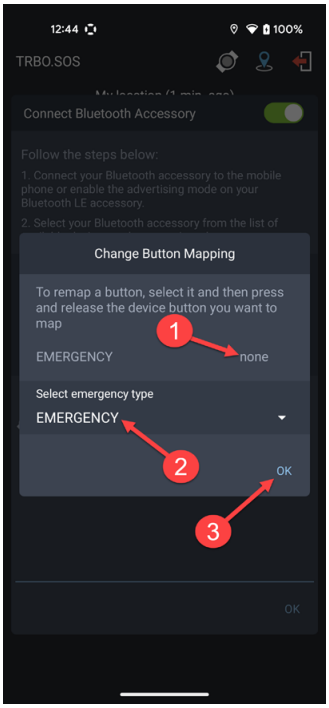


- Tap the Bluetooth Accessory icon (1) on top of the screen.

  In the **Connect Bluetooth Accessory** window that opens:

  - Set the module to On (2).
  - To remap the button, tap **Reset Button Manually** (3).
    See section 5.6.1, Remapping a Bluetooth button
  - Tap the paired Bluetooth device (4) you want to connect to.
  - Tap **OK** (5).

5.6.1 Remapping a Bluetooth button



- In the **Connect Bluetooth Accessory** window, tap **Reset Button Manually**.

  In the **Change Button Mapping** window that opens:

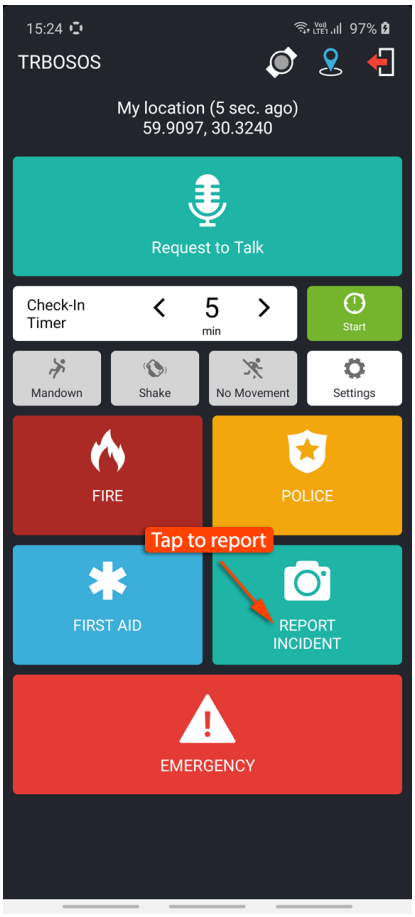
  - Select and press the desired button on the Bluetooth device (1).
  - In the **Select emergency type** list, select Emergency, Police, or First Aid (2).
  - Tap **OK** (3).

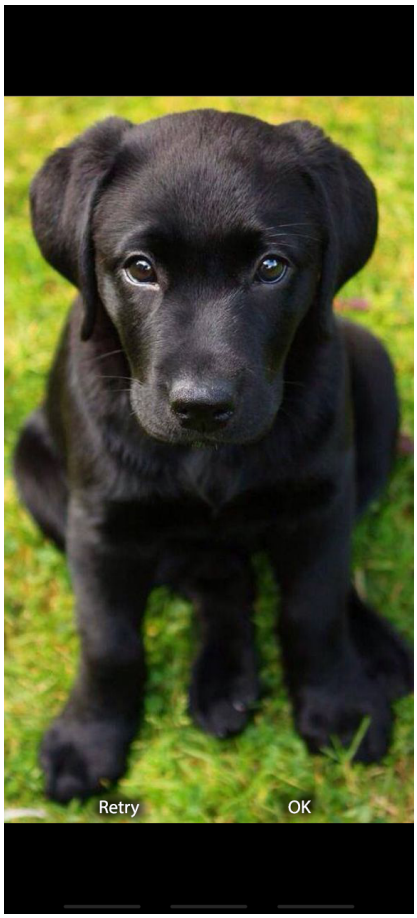
5.7 Reporting Incidents

In TRBO.SOS you can report incidents accompanied by photos directly to the dispatcher.

To report an incident:

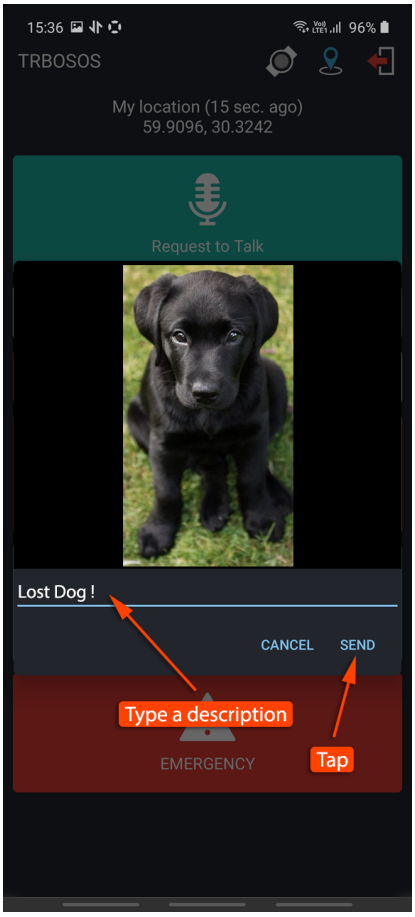
- Tap the **Report Incident** button.
- When the camera opens, take a snap of the incident.

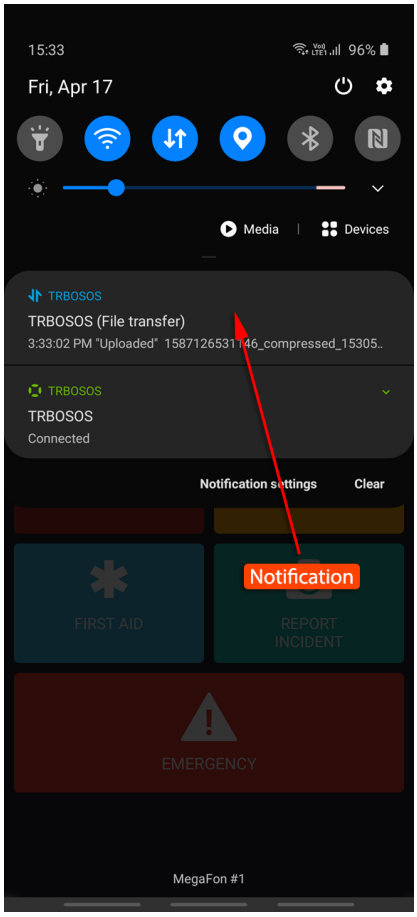




- Once the photo has been taken, enter a description of the accident and tap **Send**.

  Once the report is dispatched, you will see a notification saying "TRBO.SOS (File Transfer) # Uploaded".


15:36
96%
TRBOSOS
My location (15 sec. ago)
59.9096, 30.3242
Request to Talk
Lost Dog !
CANCEL
SEND
Type a description
EMERGENCY
Tap


15:33
96%
Fri, Apr 17
Media
Devices
TRBOSOS
TRBOSOS (File transfer)
3:33:02 PM "Uploaded" 158712653146_compressed_15305..
TRBOSOS
TRBOSOS
Connected
Notification settings
Clear
Notification
FIRST AID
REPORT INCIDENT
EMERGENCY
MegaFon #1

6 Settings

To configure your TRBO.SOS application, tap the **Settings** button on the main page.

Below is the list of available settings:

Language

- **Language**
  Tap to choose the application language.

Safety

Note: This section appears if the corresponding options are selected in the associated TRBO.SOS Profile (see section 4.2.2, Adding TRBO.SOS Profile, Alarms tab).

- **Man Down Detection**

  These are the settings for Man Down Detection when the device is carried in a pocket.

  - **Vertically oriented**
    Choose this option when the device is oriented vertically in the pocket.
  - **Horizontally oriented**
    Choose this option when the device is oriented horizontally in the pocket.
  - **Orientation doesn't matter**
    Choose this option when the device may be oriented either vertically or horizontally in the pocket. Note that choosing this option may result in a decreased sensitivity.
  - **Not used**
    Select this option the device is not carried in a pocket. Note that choosing this option may result in a decreased sensitivity.

- **Shake Detection**

  These are the sensitivity grades for Shake Detection. There are five sensitivity grades: Very-High, High, Medium, Low, and Very-Low.

- **Pre-Alarm Time Interval**

  Choose the time interval, in seconds, between triggering the event and sending the corresponding alarm.

- **Pre-Alarm Effects**

  Select one or all of the effects (Vibrate, Sound, and Flash Blinking) that will take place when the corresponding alarm event is triggered on the device.

Logs

- **Incoming messages**
  Select this option to include incoming messages in the log file.
- **Outgoing messages**
  Select this option to include outgoing messages in the log file.
- **System info messages**
  Select this option to include Info messages in the log file.
- **Error messages**
  Select this option to include received error messages in the log file.
- **Send Logs**
  Tap this link to send the log file to TRBOnet Server.