

# **TAXiTRONiC**

SmartTD

**USER MANUAL**

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# 1 CLOSED SHIFT

After starting the application, the available actions are:

	<p>Start with central. Starts a work session</p> <p>In the user ID screen, depending on the configuration, it may be necessary to enter a driver code, or an user and password.</p>
	<p>Close the application</p>
	<p>Open the Partial / Closures screen</p>
	<p>Open the application options as "Menu" button does.</p>
	<p>Displays the list of Shifts, with their starting and finishing hour and date, and their amounts.</p>
	<p>Displays the weekly, monthly and yearly statistics, of billing and distance in For Hire and in Hired.</p>
	<p>Opens the Skyglass configuration (Only if connected to Skyglass)</p>
	<p>The smartphone "Menu" button, or pressing the status bar, also gives access to the application options.</p> <p>"Last applications" button must be pressed in some Smartphones. </p> <p>The "Menu" button picture may be different for each smartphone brand.</p>

## 1.1 PARTIAL / CLOSURES

The Partial / Closings screen displays the revenue Partial data. They may also be printed.

	<p><b>CLOSINGS:</b> Prints the information of the revenues since the last cash closing, resets the values to zero and increases the closing number.</p>
	<p><b>PRINT:</b> Prints the information of the revenues since last cash closing, allowing a basic management of incomes.</p> <p>The information is broken down into Cash, Credit and Subscriber.</p>

## 1.2 SHIFTS

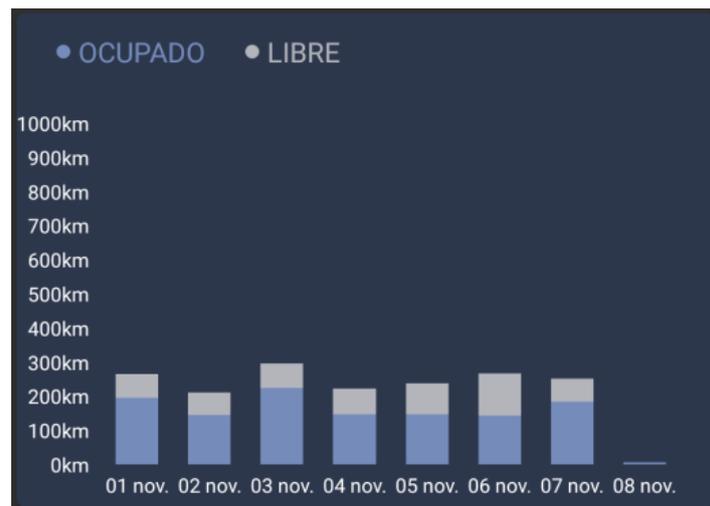
The list of Shifts displays their starting and finishing hour and date, and their amounts. Pressing on of the shifts of the list, it can be downloaded or deleted.

Selecting one of the shifts displays the details of the trips done during the shift. They may also be printed and downloaded.

	<p>Prints the details of the trips done during the shift.</p>
	<p>Download the details of the trips done during the shift in a CSV file suitable for Excel. You must have an application to open this file type previously installed on your mobile device.</p>
	<p>Send by e-mail the details of the trips done during the shift in a CSV file suitable for Excel.</p>

### 1.3 STATISTICS

Displays the weekly, monthly and yearly statistics, of billing and distance in For Hire and in Hired.



## 1.4 SKYGLASS (Only Skyglass users)

Opens the Skyglass configuration options



	Changes the volume of skyglass sounds
	Changes the sensitivity of the display light sensor
	Turn on/off the ultraviolet light
	Turn on/off the courtesy light

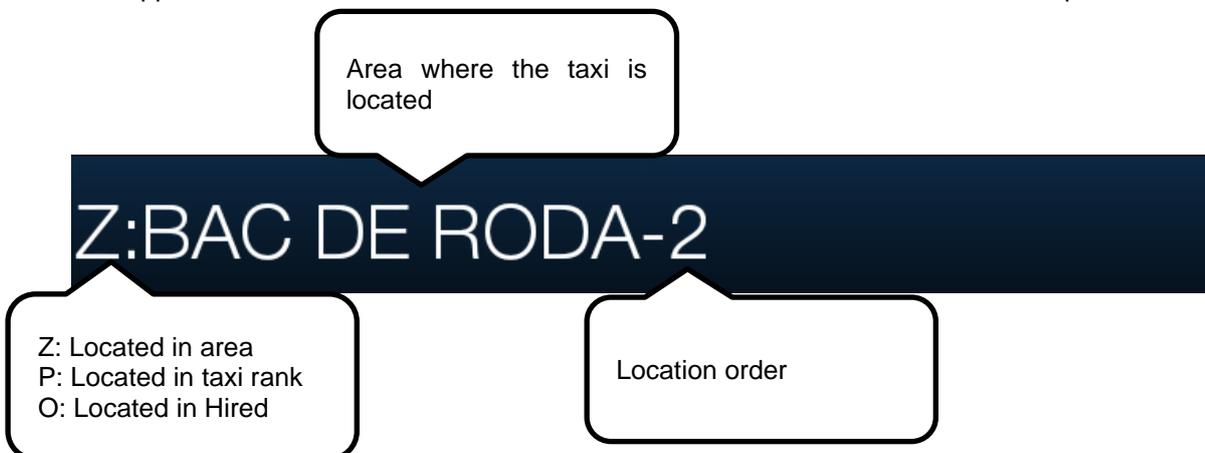
## 2 STATUS BAR



The line at the bottom displays the operating status of several systems connected to SmartTD.

	<p>Communication server connection status.</p> <ul style="list-style-type: none"> <li>• Green: Connection operative</li> <li>• Yellow : The server is available but the connection is not operative. Possibly the user is not active</li> <li>• Red: There is no connection to the server Possibly there is no 3G connection</li> </ul>
	<p>GPS Status</p> <ul style="list-style-type: none"> <li>• Green: connection with the GPS operative</li> <li>• Red: No GPS connection</li> </ul>
	<p>Status of the connection with the taximeter</p> <ul style="list-style-type: none"> <li>• Green: Connection with taximeter correct</li> <li>• Red: No connection with taximeter</li> </ul>
	<p>Taximeter status</p>

The upper line shows the status location and, if the taximeter is Hired, the current trip amount.



### 3 LOCATION

When the work session with central is started, the area in which the taxi is located is calculated, based on the GPS location. The information is automatically sent to the central.

If the position is within a work zone, the state changes FREE TO LOCATED IN AREA. When the taxi is located in zone, the location status is displayed in the status bar.

Location type	Zone name	Order in the zone
<ul style="list-style-type: none"> <li>• Stop</li> <li>• Area</li> <li>• Busy</li> </ul>	Shows the name of the zone where the taxi is located	The order in the zone is displayed for a configurable time

	<p><b>DISABLE LOCATION</b> When the driver does not want to receive trips from the central for a period</p>
	<p><b>ACTIVATE LOCATION</b> When the location is disabled, and the driver wants to be available to receive trips again</p>
	<p><b>LOCATED ON TAXI RANK</b> Available when the taxi is within the zone of influence of the Taxi Rank.</p>
	<p><b>LOCATION QUERY</b> When the taxi is located, the location query is available.</p>
	<p><b>PENDING TRIPS</b> When the taxi is located, gives access to the list of trips the central did not assign automatically, probably because there were no taxis in the appropriate zone.</p>

If the option is enabled, it plays the location when it changes. It will stop playing if you exit the application, the status changes or the "Back" key in your smartphone is pressed. ↩

### 3.1 PENDING TRIPS



When the taxi is located, this gives access to the list of trips the central could not assign automatically, probably because there were no taxis in the appropriate zone.

Service 1	Zone pick up	Destination area	Street pick up	Requirements
Service 2	Zone pick up	Destination area	Street pick up	Requirements
Service N	Zone pick up	Destination area	Street pick up	Requirements

Upon receiving the trips list, clicking on one of them sends to the central the request for the assignment of the trip. If the central validates it, the taxi will receive the trip dispatch.

If the trip cannot be assigned, the taxi receives a message "TRIP NOT ASSIGNED"

If there are no available trips, the taxi receives a message "NO TRIPS".

The button turns orange when there are pending services assigned to the taxi.

### 3.2 LOCATION QUERY



The location query gives information about the distribution of work in the zones.

	Taxis in the Taxi Rank of the Zone	Taxis Located in the Zone	Taxis in Hired finishing a trip in the zone	Customers waiting for taxis
Zone 1..N	Green	Yellow	Red	White

The default order of the screen is by zone number. The information can also be ordered by any of the columns, in increasing or in decreasing order. It can also be ordered by zone name, and by proximity of the zone to the taxi. These options are configured under the  button.

Depending on the Radiotaxi settings, if the configuration is enabled, the proximity option will show all the closest zones up to max 16 zones, not filtering by macrozones.

The driver can also add or delete their favourite zones list by doing a long click on the zone line

Depending on the Radiotaxi settings, if this display is kept open, the information of the zone will be updated when the taxi moves, this way the menu always displays the latest available Taxi location

Once you use Scroll, the menu does not follow the Taxi location until you close the screen and open it again. This way, you can check the information of another zone, and the information does not change while reading.

The information of the Taxis on the zone is accumulated with the taxis on Rank, because they have more priority than the taxis in the Zone.

The same is applied to Taxis in Hired: This information is accumulated with the taxis in the Rank and in the Zone

This allows to know easily, without having to calculate mentally, the priority in the zone you will have when you locate into a zone, in any of the three location types.

The field "Customers waiting for taxis" may include future trips for the next N minutes, depending on the Radiotaxi configuration.

The actions on this screen are:

	Scroll
	Back to the previous level, and closing the location query is done with the smartphone Back button.

Macrozones are work areas which contain several Zones. The info on the Macrozones contains all the zones inside of it.

In order to avoid unnecessary consumption of resources, if the device is not touched for a period of time (configured by the company) the screen closes, and it returns to the main menu.

### 3.2.1 DETAILED ZONE INFORMATION



It provides detailed information of the taxis in the zone

Zone name	Taxis in the Rank	Taxis in the Zone	Taxi ending the trip
Order number	Taxis in the Rank, with location time	Taxis In the zone with location time	Taxi ending the trip in the Zone

In front of the Vehicle ID some cars may include a field indicating specific attributes of the car, configurable on the central.



Trip details in the Zone gives information about the available trips in the zone

Zone name	Trips in the Zone	Requirements
Order in the zone	Pick up time	Trip requirements

These functions can be enabled or disabled depending on the Radiotaxi settings

## 4 RECEPTION OF A TRIP

When the taxi receives a Trip, the following information is displayed:

Pickup time	Pick up Zone	Trip Requirement
	You have a new trip	Pick up address
	Do you accept it?	

Part of this information is optional, depending on the Radio Taxi settings.

There is a maximum time to accept a trip. If it is not accepted in time, it will be automatically refused.

After accepting the trip, the available options are:

	<p><b>TRIP INFORMATION</b></p> <p>Once the trip has been accepted, the complete information of the trip is displayed. When in the “Trips” screen, this button can be used to display the information again.</p>
	<p><b>AT THE DOOR</b></p> <p>If the customer has requested to receive a notification when the taxi arrives, the AT THE DOOR button is enabled. When selected, the customer will receive the notification</p>
	<p><b>NO CUSTOMER</b></p> <p>When you reach the pick up address and the customer is not present, select NO CUSTOMER. The Central will manage the notification and will give instructions</p>
	<p><b>CUSTOMER IN</b></p> <p>If the customer arrives after the driver had already used NO CUSTOMER, notify the central with CUSTOMER IN. This way the central will not waste time looking for the customer, who is already in the taxi.</p>

	<p><b>RETURN TRIP</b></p> <p>Use it if you have accepted a trip but it is necessary to return it to central.</p> <p>In some Radiotaxis, returning trips may be a reason for a penalty, therefore inform yourself on the policy of your fleet before using this function.</p>
	<p><b>DISABLE ROOFLIGHT</b></p> <p>When the taxi has a dispatch, you may disable the FREE light. This avoids confusion for the rest of customers on the street, who see a FREE taxi which is really not available for them</p> <p>This function may be disabled if the local regulations don't allow it.</p>

## 4.1 DISPATCH INFORMATION

Once the trip has been accepted, the complete information of the trip is displayed. When in the "Trips" screen, this button can be used to display the information again.



	<p>Navigate to the pickup address. The address is sent to any navigator installed in the Smartphone, by default Google Maps.</p>
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	<p>Print dispatch data.</p>
	<p>If the driver has activated the call bridge, you can contact the customer.</p>
	<p>Open the rider in cab and at pickup options</p>

If the option is enabled, it plays the dispatch information when it is received or consulted. It will stop playing if you exit the application, the status changes or the "Back" key in your smartphone is pressed. ↶

	<p>It sends a notification to the customer, that the taxi has arrived at door</p>
	<p>Register the time when the passenger enters the cab. If the driver doesn't press the "Rider in cab" button, a pop up will appear at the moment that the taxi moves X distance from pickup position (Configurable by zone), and it will repeat every 30 seconds until the button is pressed.</p>

## 4.2 Pre-location in dispatch

If the dispatch has predefined the destination, by accepting the dispatch, the car has pre-location in the destination area following the same policy as the "Locate in busy". This parameter is configurable by company.

## 5 PAYMENT MENU

There is a Payment menu to be able to pay the trip with different methods. When the terminal is in Payment mode, it is possible that the taximeter may not pass to Free until the payment is done.

### 5.1 AMOUNTS MENU

The amounts menu lists the amount concepts and the total amount. The amount concepts are:

Taximeter amount	Always. Non editable
Extras amount	If entered in the Taximeter.
Tips	Optional
Tolls	Optional
Total	Total amount

Tips and Tolls are configurable depending on local regulations. Tolls are used if the taxi has gone through a Toll (highway, Tunnel) and the Tolls are to be paid by the passenger.



If while in the Amounts menu you press the “Back” button, it will return to Dispatched and you will be able to restart the trip without losing the dispatch. This function is configurable and may be activated or deactivated by your Radiotaxi.

### 5.2 PAYMENT METHODS

After the Amounts menu, next screen is the Payment methods. Depending on the configuration, the following methods may be available:

	Cash payment
	Subscriber payment
	Credit card payment

The menu closes automatically after a default time of 60 seconds, after which a payment method is chosen automatically.

### 5.3 SUBSCRIBER PAYMENT

If the trip was sent as Subscriber from the Central, the payment is started by default as Subscriber. The onscreen menus may vary depending on the trip or the subscriber properties.

	<p>Depending on the Subscriber properties, you may have to enter an Authorization code.</p> <p>If the payment is authorized, the Subscriber Payment tickets are printed.</p> <p>If the Subscriber payment is rejected, it is possible to select a different payment method</p>
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### 5.4 CREDIT CARD PAYMENT

#### 5.4.1 WITH CONNECTED BLUETOOTH PINPAD

If SmartTD is connected to a Bluetooth PinPad device for credit card payment, the functionality of this button is:

	<p>When selecting “Credit Card Payment” the amounts are sent to the Bluetooth PinPad. The credit card payment is done in the PinPad.</p> <p>SmartTD receives the notification of payment Accepted / Rejected</p> <ul style="list-style-type: none"> <li>• In case it has been accepted, it will print the payment tickets and then go to Free.</li> <li>• In case it has been denied, it returns to the Payment menu so you can try with a different card or to pay Cash.</li> </ul> <p>Payments done with credit card are counted in the Closing report under the Credit Card title.</p>
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Note: This functionality is currently under certification test in some countries. Please check with your distributor to find out about availability in your country and which banks are available.

#### 5.5 WITH EXTERNAL POS

	<p>In case there isn't any connected Bluetooth PinPad, the “Credit Card Payment” button is used to count the payment done in the external POS device in the Closings report under the Credit Card title.</p> <p>This helps in your income accounting, even if the payment was not done from SmartTD itself.</p>
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## 6 CENTRAL

New CENTRAL button where are joined all car requests to the central.



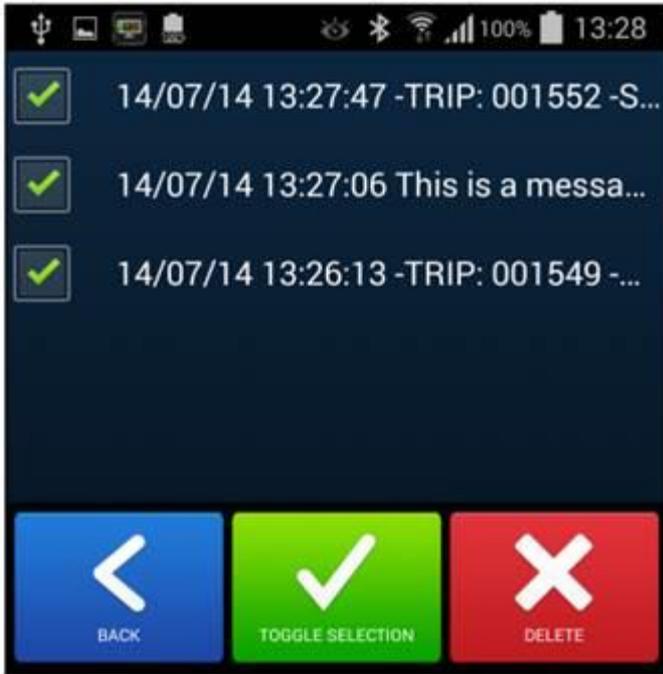
By clicking on this icon we access the following options:

	<p><b>Request voice</b></p> <p>Click here to request voice communication with the operator. The operator will contact the driver when possible.</p>
	<p>Access the menu of predefined messages from car to central.</p>
	<p><b>Information</b></p> <p>Opens a configurable menu with the different queries the taxi can ask to the central. After selecting the desired option, the central answers with the requested information.</p>

### 6.1 **MESSAGES**

Access the menu of received messages by clicking on this icon. This message menu includes received services and messages that have been sent from the central.





Messages can be viewed pressing the message line.

	<p>Print a message</p>
	<p>Delete messages from the list. You can delete one or more saved messages. The toggle selection button allows you to invert the selection and select all.</p>

If one or more messages are selected directly with the check , we can delete them directly without entering the message.

If the speaking option is activated, when receiving or viewing a message, the message is played through the speaker. Playback will stop when you exit the application, change status or press the "Back" key on your smartphone. 

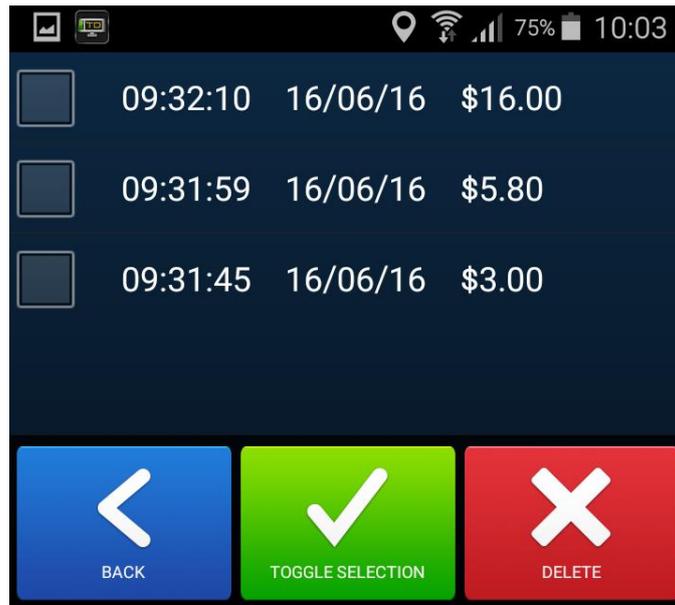
## 7 TICKET PRINTING



Click here to see the ticket of the last operation.



	Print the ticket of the last operation
	See the list of tickets of the previous operations
	Close the ticket printing menu



This screen shows the tickets of the previous operations. They can be printed selecting them.

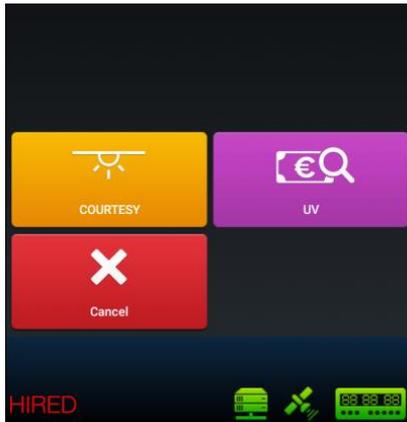
Each time the user starts, it updates the ticket information.

## 8 LIGHTS

If the taximeter is a TX80 with Skglass, the Lights button is available in Hired.



Inside the menu, the courtesy and ultraviolet lights can be turned On/Off.



## 9 EMERGENCY POSITIONS

If there is an emergency button connected to the taximeter, pressing the button for more than 3 seconds starts sending emergency positions to the Radiotaxi.

For the first seconds the emergency triangle is displayed in Orange. When the central confirms the emergency has been received, the triangle changes to Green



The emergency is always finalized by the Radiotaxi. When the triangle icon disappears, it means that the Central has checked the Emergency situation, has taken the adequate measures, and has finalized the Emergency status.

If the triangle is displayed in Red, there is a breakdown in the emergency button or in its cabling.

## 10 SENSORS VERIFICATION

There is a method to check the correct functioning of the Contact Key and the Alarm Button connected to the taximeter.

Open a shift so that SmartTD connects to the taximeter. Go back to Closed Shift, and enter the GPS menu. You will see a key icon for the Contact Key, and an emergency triangle for the Emergency Button.

In this state, you can press the Emergency button to check it and the emergency will not be sent to the central. This permits a verification of the correct functioning of the button.

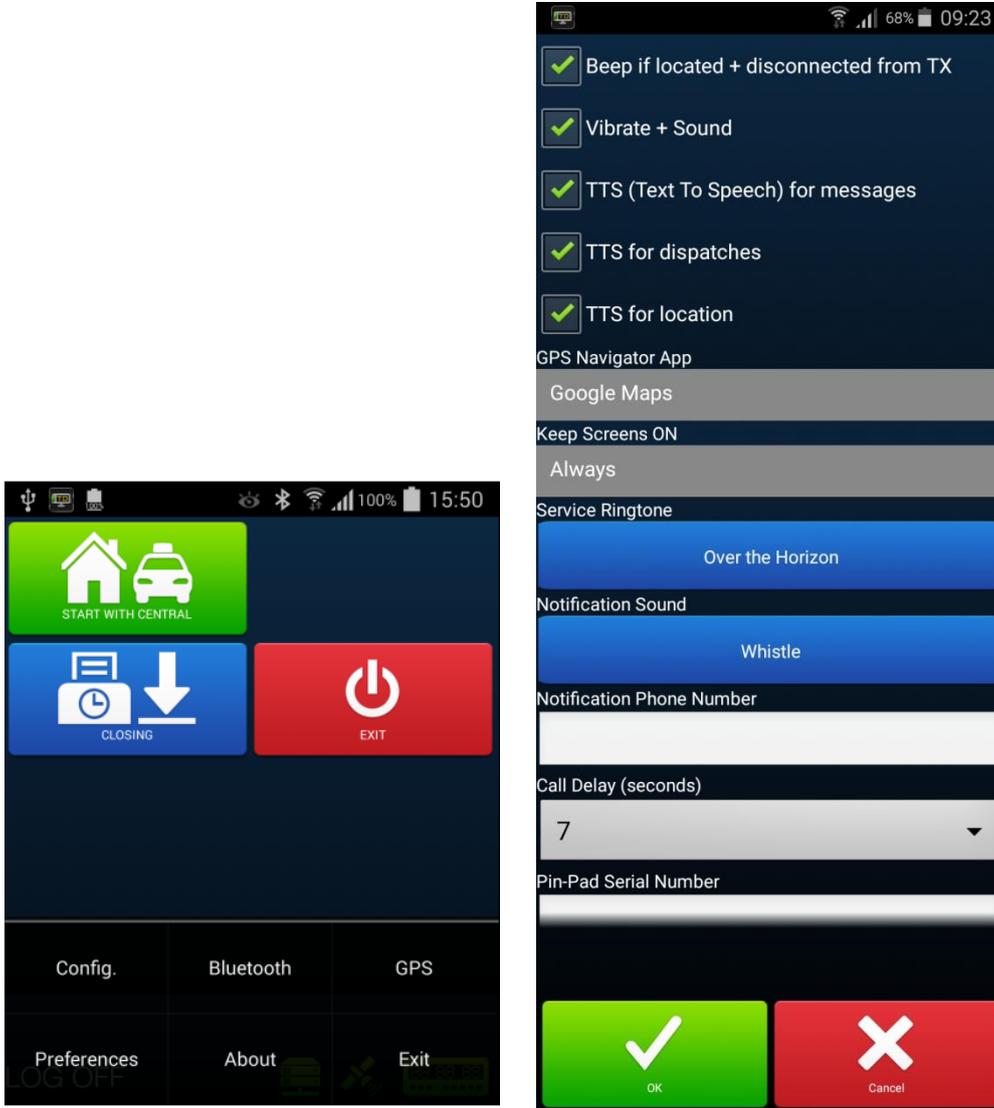


The meaning of each color is:

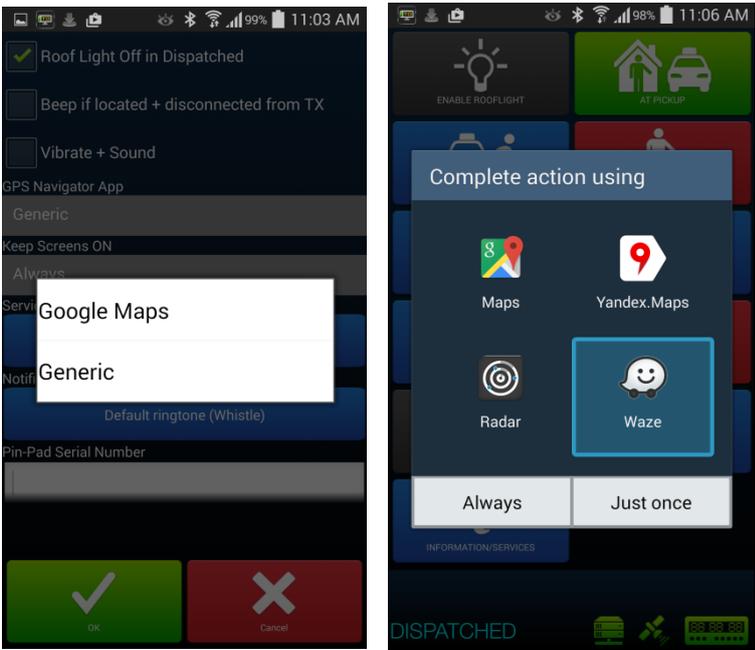
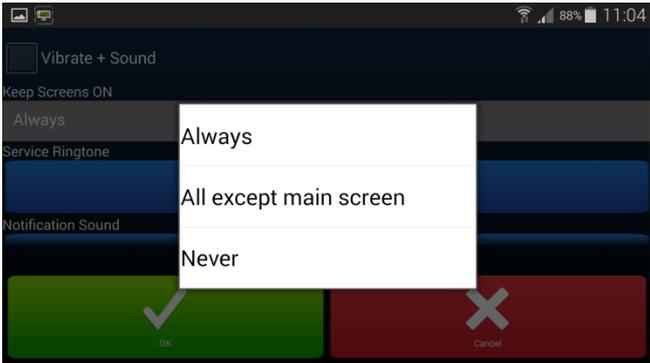
	Contact Key Status	Emergency Button Status
Green	ON	Pressed
Red	OFF	Not pressed
Grey	Not detected	Not detected

## 11 PREFERENCES

In closed shift you can access the “Preferences” menu, in which it is possible to configure a few optional functionalities.



Roof Light Off in Dispatched	Let you choose if the roof light turns off automatically, without pressing the button, when a trip is received
Beep if located + Disconnected from TX	Plays an audio notification when SmartTD has become disconnected from the taximeter over Bluetooth if it was located, to warn that the location may be lost after a timeout
Vibrate + Sound	Adds vibration to the audio notifications
TTS (Text To Speech) for messages	Enables message location
TTS for dispatches	Enables dispatches location

<p>TTS for location</p>	<p>Enables location location</p>
<p>Location query to Macrozones</p>	<p>It gives the option to open the location search at the Macrozone level instead of at Zone level</p>
<p>GPS Navigator App</p>	<p>Lets you choose the App to execute the navigation. Available options are Google Maps or a generic application chosen by the user. If your central is Alfa6, the supported GPS navigators are: Waze, Route66 y Yandex.</p> 
<p>Keep Screens ON</p>	<p>Lets you choose if the screen is turned off or reduce its brightness after a time without interacting with it</p> 
<p>Service Ringtone</p>	<p>Use Service Ringtone to choose a system sound or personalized tone for an incoming dispatch</p>
<p>Notification Sound</p>	<p>Lets you choose a system sound or personalized tone for a notification, for instance a message from central</p>
<p>Notification Phone Number</p>	<p>The telephone number entered here will receive a call for an incoming dispatch</p>

Call Delay (seconds)	Lets you choose the delay time between the reception of the dispatch and the call
Pin-Pad Type	Lets you select the type of Pin-Pad: <ul style="list-style-type: none"> <li>- Redsys</li> <li>- Payment House</li> </ul>
Pin-Pad Serial Number	Lets you configure the serial number of a connected Bluetooth Pin-Pad of certain payment provider
Speech for blind people	Enables speaking options for blind people
Purge shifts from	Lets you delete the shifts from a selected date on. If the shifts PIN has been activated, it will ask for the PIN in order to delete the data.
Access PIN number for shifts/statistics	Lets you set a PIN number in order to access to the shifts and statistics visualization.

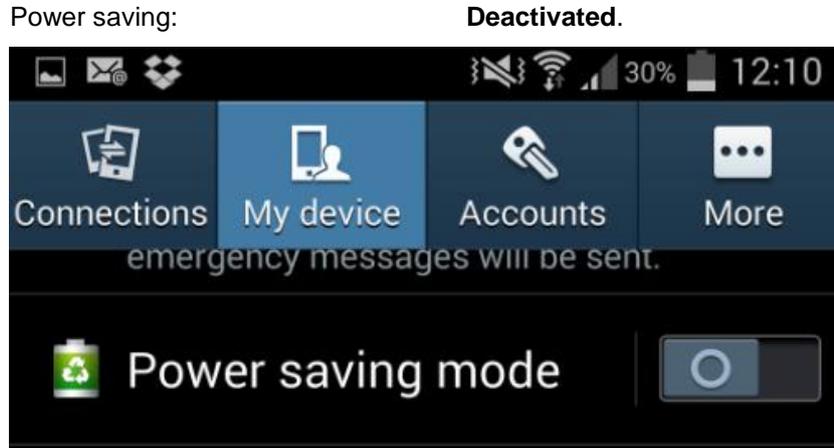
## 11.1 Speech for blind people

- No: Speech is disabled
- Manual: In the To pay menu, pressing the Speech button, reproduces the trip amounts.
- To Pay: When the state change to “To pay”, SmartTD reproduces the trip amounts. Anyway, the manual button is still active, in case the driver wants to repeat the speech.
- Automatic: The speech is repeated periodically during the trip, when the taxi switches to hired, and when switching to To Pay

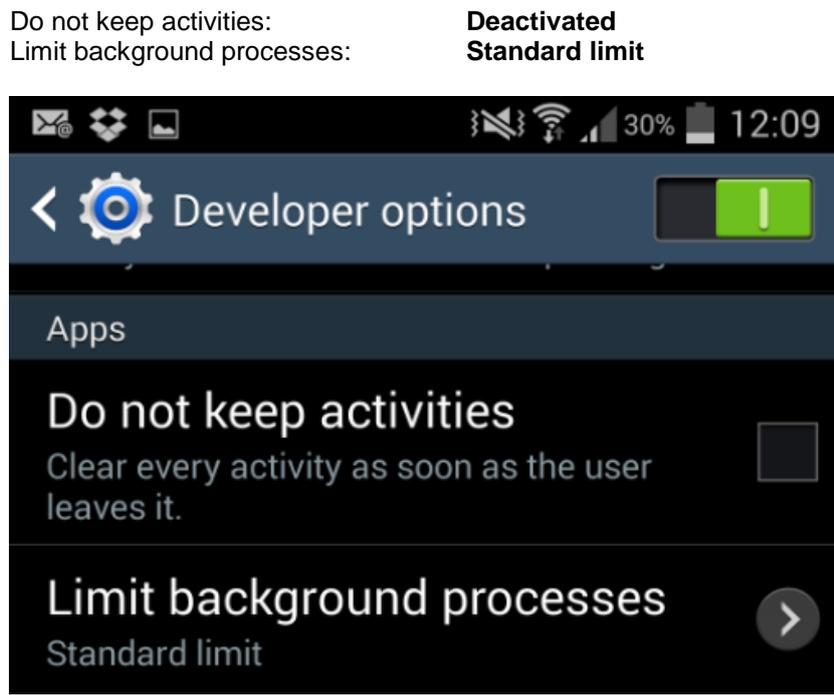
## 12 TROUBLESHOOTING

Problems have been detected in the Bluetooth connection when the user has activated the power saving options in the Android

The configuration of this option has to be:



Problems have been detected when the user had changed certain developer options in the Android. The configuration of these options must be:



If our device has Android +6 and doesn't have SmartTD in the list of applications that can run in the background, when you join the configuration data it will show a message.

## **13 HOMOLOGATED TERMINALS**

The homologated terminals are:

### Smartphones

Alcatel	Pop3	5025D
bq	Aquaris E5 4G	Aquaris E5
	Aquaris X5	Aquaris X5
Huawei	Huawei P10 Lite	WAS – LX1A
	Huawei Y5 II	CUN – L21
	Huawei Y6 II	MYA - L41
	Huawei Y7	TRT – LX1
	Huawei P9 Lite	VNS – L31
	Huawei P9	EVA – L09
	Huawei GX8	Huawei Rio – L01
	Ascend G7	G7 – L01
	Huawei P8 Lite	ALE – L21
	Huawei P8	GRA – L09
LG	K8 4G	LG – K350n
	G4	LG – H815
Motorola	Motorola MotoG 4G	XT – 1039
	Motorola MotoG (3ª generación)	XT – 1541
	Motorola Nexus 6	XT – 1100
Orange	Nura	Alcatel One Touch M812
Samsung	Galaxy A5	SM – A500FU
	Galaxy A5	SM – A520F

	Galaxy A3	SM – A300FU
	Galaxy J5	SM – J500FN
	Galaxy S7	SM – G930F
	Galaxy J7	SM - J710FN
	Galaxy S6	SM – G920F
	Galaxy S5	SM – G900F
	Galaxy Note4	SM-N910F
	Galaxy Note3	GT – N9005
	Galaxy Express2	SM – G3815
	Galaxy Grand Neo Plus	GT – I9060I
	Galaxy Grand Neo	GT – I9060
	Galaxy Grand Prime	SM – G531F
Sony	Xperia Z5	E6653
	Xperia Z3	D6603
	Xperia Z3 Compact	D5803
	Xperia M4	E2303
Wiko	Rainbow 4G	Rainbow 4G

Tablets

Asus	Fonepad 7	K00Z
	Fonepad 7	K012
	ZenPad C 7.0	P01Y
Samsung	GalaxyTab A6	SM – T285
	GalaxyTab4 7.0 4G	SM – T235
	GalaxyTab3 7.0 3G	SM – T211

**Previous terminals:**

Smartphones

Huawei	Huawei Rio – L01	Huawei Rio – L01
Lenovo	A880	A880
LG	Optimus L7	P700
	Nexus 4	E960
	G4c	LG – H525n
Samsung	Galaxy S4	GT – I9505
	Galaxy S4 mini	GT – I9195
	Galaxy S3	GT – I9300
	Galaxy S3 mini	GT – I8190
	Galaxy S2	GT – I9100
	Galaxy Note2	GT – N7100
Sony	Xperia T2 Ultra	D5303
	Xperia Z1	C6903
	Xperia Z	C6603
	Xperia ZUltra	C6833

Vodafone	Vodafone Smart Ultra 7	VFD 700
	Vodafone Smart Ultra 6	Vodafone Smart Ultra 6

Tablets

Samsung	GalaxyTab2 7.0 3G	GT – P3100
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