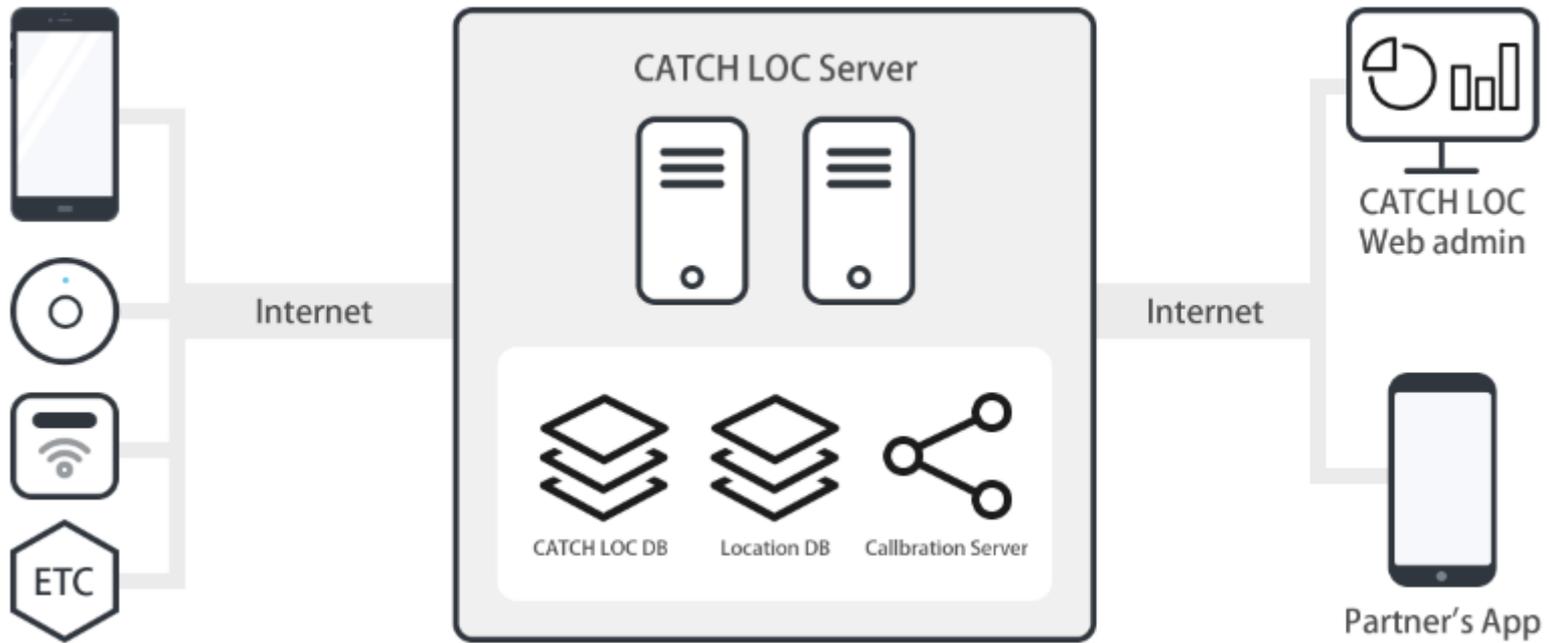


# CATCH LOC & Gper



# Catchloc



[Catchloc for Developer Webpage](#)

# Gper Design



# Gper Design



# Gper Design



# Gper Features

Spec	Descriptions
CPU	NordicnRF51822, Bluetooth Low energy/2.4GHz RF system on chip ARM Cortex-M032bit processor
Network	Wireless communication based on LoRa®protocol, LPWA(Low power WideArea)
GPS	Quectel, 66 search channels, Sensitivity-165dBm(tracking)
ANT.	LoRa® : PCB pattern antenna. GPS : internalpatchantenna
DISPLAY	THREE COLORLED
BUTTON	ON/OFF SWITCH SOS
BATTERY	3.7V Li-polymer Battery 500mA/H



- Lasts up to 5days without recharging
- GPS Tracker with LoRa
- Gyro sensor
- Bluetooth
- GSM & NB-IoT Available

# FOR

- Vehicles
- People
- Asset





## Ref 1. Real-Time Vehicles Movement Tracking

CASE 1  
Fleets Tracking services for  
Logistics company.

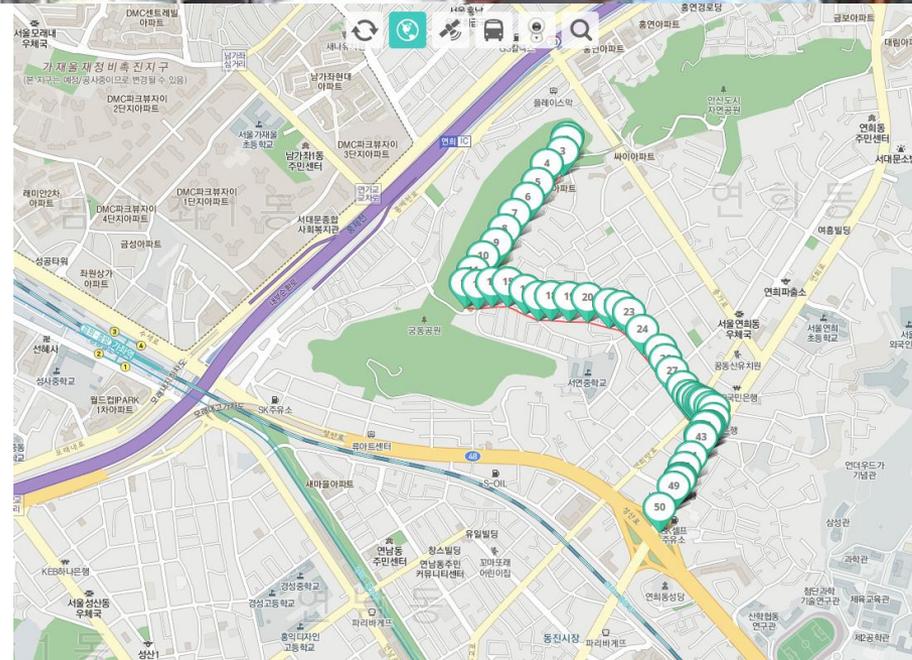
## CASE 2

Monitor vehicle's location for better and efficient operation system.



Total50

Number	IN	OUT	Error range	POI information	Distance
1	09.07 16:30	09.07 16:30	4	Network	6
2	09.07 16:30	09.07 16:30	96	Network	28
3	09.07 16:30	09.07 16:30	96	Network	31
4	09.07 16:30	09.07 16:30	96	Network	46
5	09.07 16:30	09.07 16:30	96	Network	36
6	09.07 16:29	09.07 16:30	5	Network	39
7	09.07 16:29	09.07 16:29	96	Network	38
8	09.07 16:29	09.07 16:29	4	Network	33
9	09.07 16:29	09.07 16:29	96	Network	32
10	09.07 16:29	09.07 16:29	3.9	Network	34
11	09.07 16:29	09.07 16:29	96	Network	32
12	09.07 16:29	09.07 16:29	96	Network	1
13	09.07 16:28	09.07 16:29	4	Network	4
14	09.07 16:28	09.07 16:28	96	Network	0





Ref 2.  
Real-Time Location  
for Women Protection

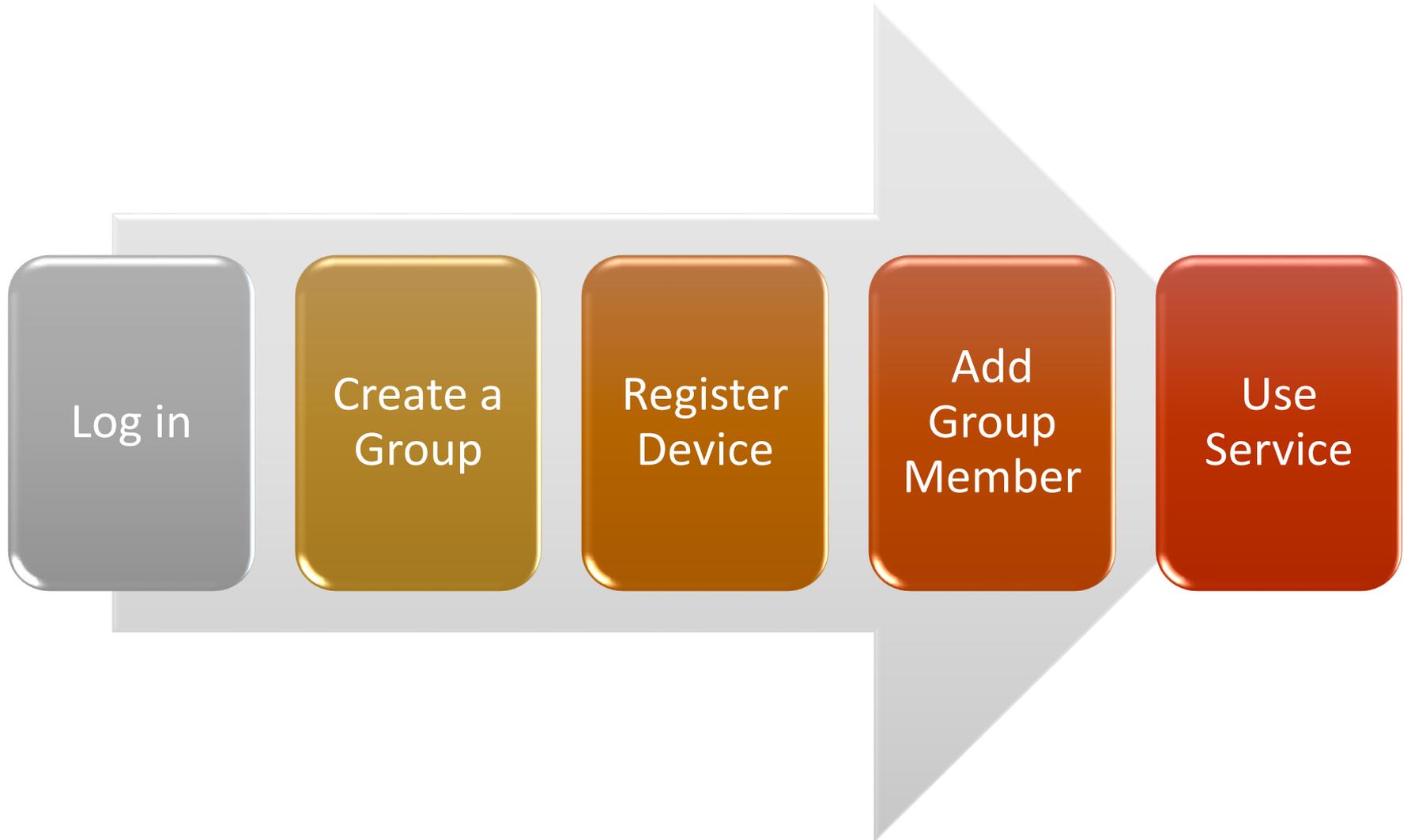
Ref 3.  
Real-Time  
Asset Tracking



# Gper for CATCH LOC Manual



# CATCH LOC Flow



# 01. CATCH LOC Log-in

## 1-1. Log in

**Login** >> Create a group >> Register Object>> Register Group members>> Use Service

The screenshot shows a web browser window at [cms.catchloc.com/spacosa](http://cms.catchloc.com/spacosa). At the top, there are instructions: "A. Please go on the web site you have been shared with SPACOSA" and "B. ex) <http://cms.catchloc.com/ID>". The main content is a login form with the SPACOSA logo. The form includes fields for "User ID" and "Password", a checked "Auto Login" checkbox, and a "Find password" link highlighted with a red dashed box. Below the form are "Log in" and "Sign in" buttons. A "Forgot Password?" dialog box is open on the right, containing the text "You can receive a temporary password via your registered email." and a "Notify" section with a question mark icon, the text "Please input your member id.", an input field, and "OK" and "Cancel" buttons.

# 01. CATCH LOC Log-in

## 1-1. Log in

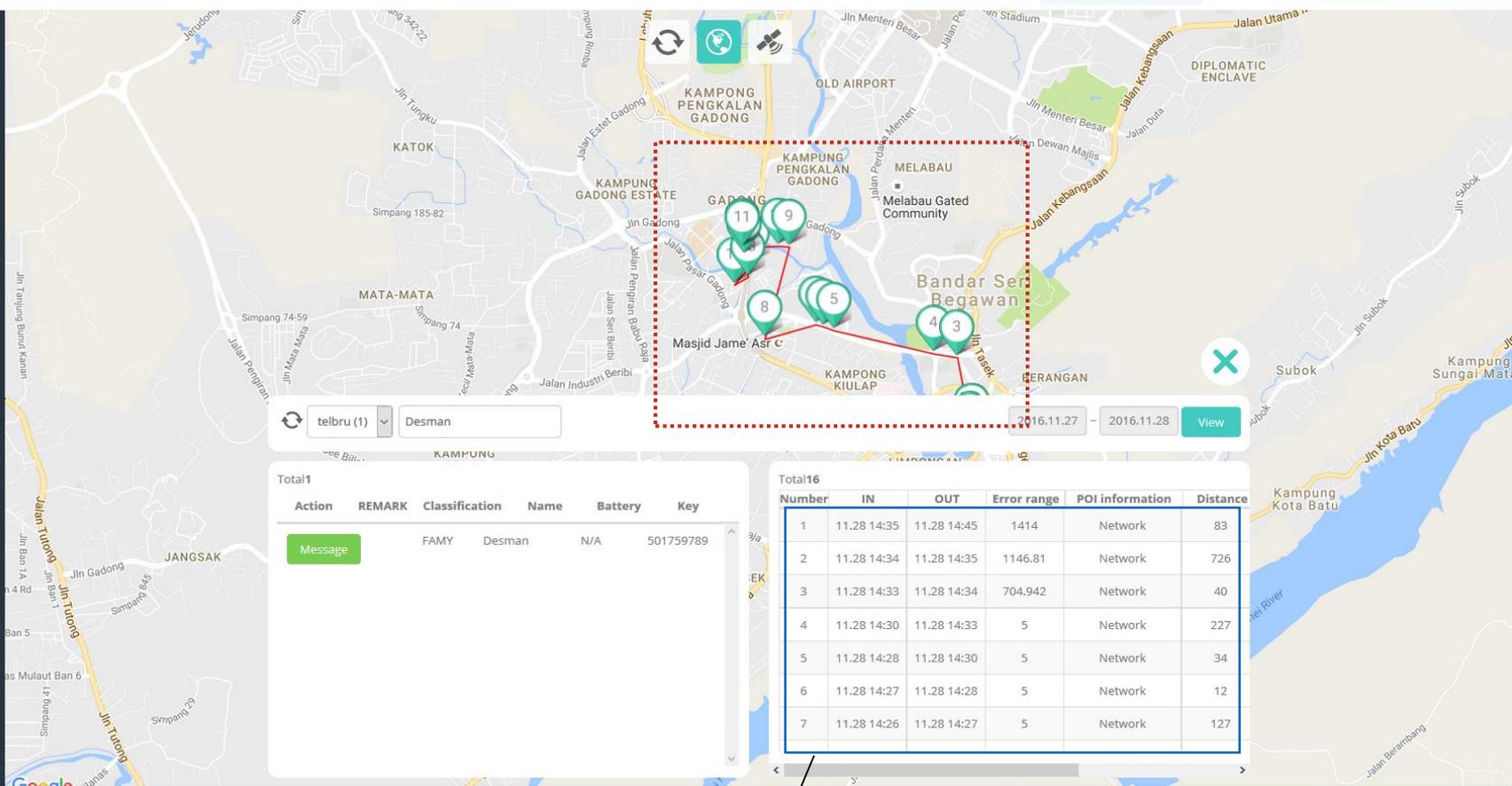
**Login** >> Create a group >> Register Object>> Register Group members>> Use Service

The screenshot displays the TELBRU application interface. On the left is a dark sidebar menu with options: Dashboard, CATCH LOC, Profile management, Basic information, Smartphone management, Gper manage, Create a group, Group member, Location check (highlighted in red), and Real-time Location. At the top right, there are buttons for 'Desman', 'Chatting', and 'Log out'. The main area features a map of a city with various landmarks like 'Rumah Sakit Raja Isteri Pengiran Anak Saleha', 'Mahkamah Besar', and 'Dewan Bahasa Dan Pustaka Library'. A data table is overlaid on the map, showing a single entry for 'Desman' with a 'Message' action button. The table has columns for Action, REMARK, Classification, Name, Battery, and Key. A search bar at the top of the table shows 'telbru (1)'. A date range filter is set to '2016.11.27 - 2016.11.28'. A 'View' button is next to the date range.

Action	REMARK	Classification	Name	Battery	Key
Message		FAMY	Desman	N/A	501759789

[Click this box.](#)

- Dashboard
- CATCH LOC
  - Profile management
  - Basic information
  - Smartphone management
  - Gper manage
  - Crate a group
  - Group member
  - Location check
  - Real-time Location
- Developer



[Click this box.](#)

## 02. Create a group

Login >> **Create a group** >> Registering Object >> Registering Group members >> Using service

Admin Log out

### Crte a group

Search Search

Total1

Group number	Group name	Program in use	Classification	Status	Registration date
154	Asset	Location check	Member group	Use	2016.10.17

Group number 0 Select [Group Member]

Classification [POI Group] is for Fixed AP ONLY and initiated by SPACOSA

Program in use Location check Select [Location Management]

Group name Type Group Name

Status Use Select [Use] then register for creating a group

Registration date 2016. 11. 25. 오후 6:19:42

\* [In & Out Management] is Options Please contact SPAOCSA Reset Register

Copyright 2015 SPACOSA. All Rights Reserved. ^

**Create a group.  
If you do not have a group.**

## 02. Create a group

Login >> **Create a group** >> Registering Object >> Registering Group members >> Using service

TELBRU

Desman Chatting Log out

### Crate a group

Search Search

Total1

Group num	Group name	Program in use	Classification	Status	Registration date
226	telbru	Location check	Member group	Use	2016.11.28

[Click the registered group list.](#)  
[- Group information](#)  
[- Group Profile Edit / Reset](#)

Group number: 226  
Group name: telbru  
Classification: Member group  
Status: Use  
Registration date: 2016.11.28

**\*\* Please select Group manager.** Reset Modify

#### Group manager

ID	Name	Authority
<input type="checkbox"/>	telbru	Desman Option menu(0) Basic menu(0)

[Select ID to delete from the list then click on the Delete button.](#)

#### Your registered clients list

ID	Name	Authority
<input checked="" type="checkbox"/>	telbru	Desman System manager

[Select ID then click "<" to save the selected ID as a Group manager.](#)

SPACOSA

## 03. Registering Object– 1) Gper

### 3-1-1 Gper for CATCH LOC App Download

Login >> Create a group >> **Registering Object** >> Registering Group members >> Using service

<Gper APP Download & Install>

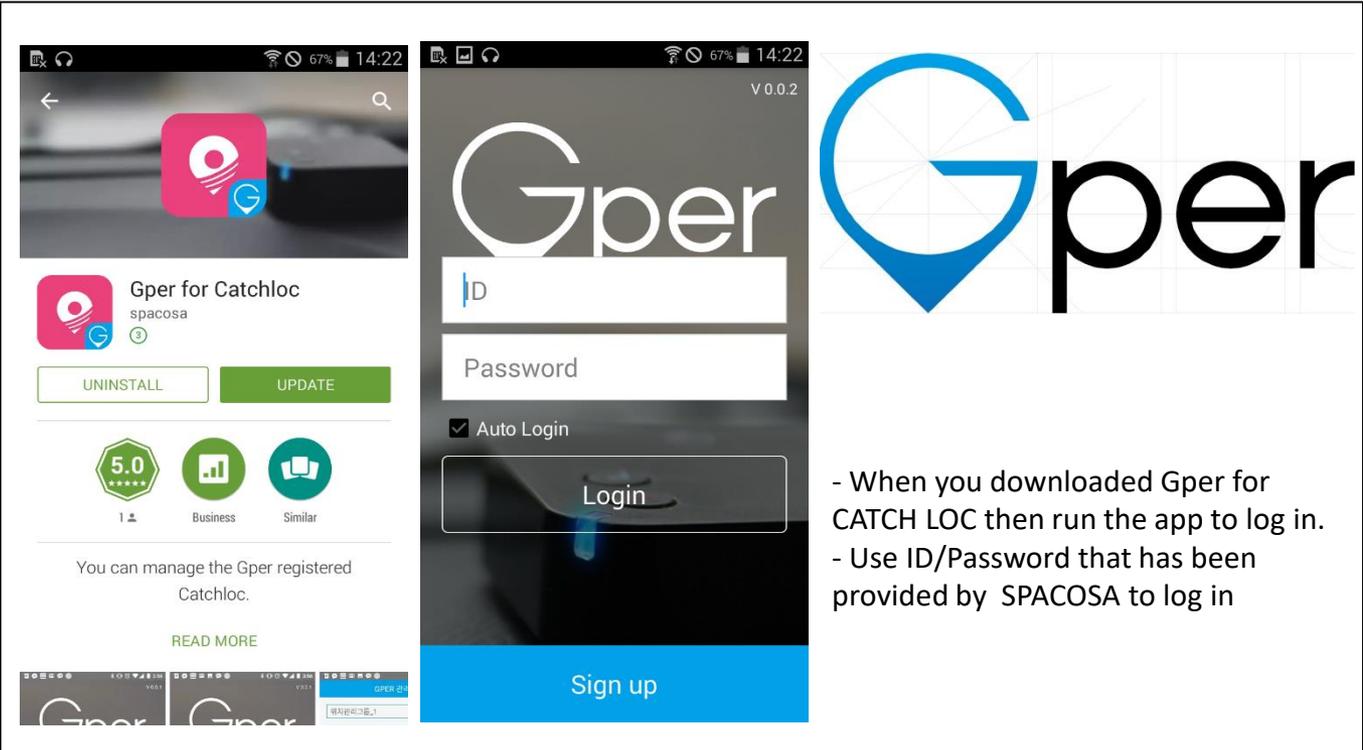
Search for “Gper” in Android Market, iOS app store to download ‘Gper for CATCH LOC’ app.

Android Download Address:

<https://play.google.com/store/apps/details?id=com.spacosa.android.gper.b2b>

iOS (iPhone) Download Address:

<https://>



The image displays two screenshots of the Gper for Catchloc app. The left screenshot shows the app's page on the Google Play Store, featuring the app icon, the name 'Gper for Catchloc' by 'spacosa', a 5.0 star rating, and 'UNINSTALL' and 'UPDATE' buttons. The right screenshot shows the app's login screen with fields for 'ID' and 'Password', an 'Auto Login' checkbox, a 'Login' button, and a 'Sign up' button at the bottom. To the right of the screenshots is a large blue and black logo for 'Gper'.

- When you downloaded Gper for CATCH LOC then run the app to log in.
- Use ID/Password that has been provided by SPACOSA to log in

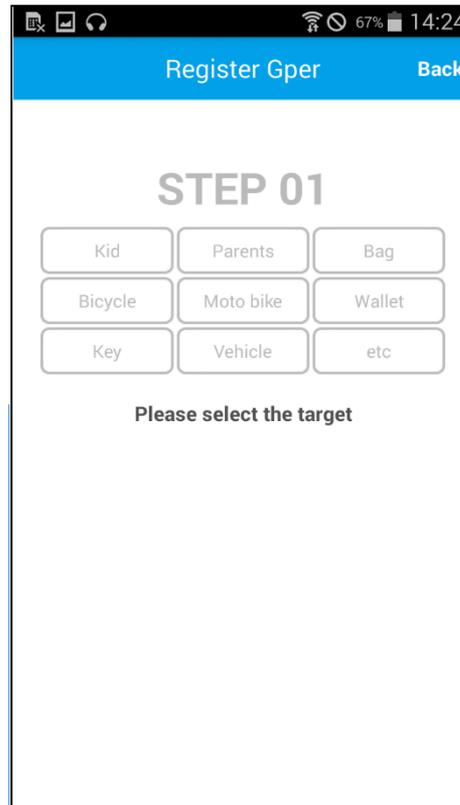
# 03. Registering Object– 1) Gper

## 3-1-2 Gper for CATCH LOC App: Registration

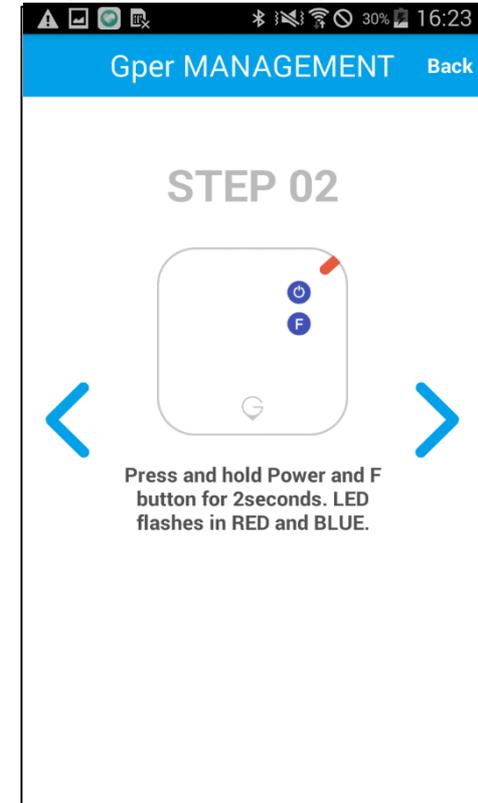
Login >> Create a group >> **Registering Object** >> Registering Group members >> Using service



- Register your Gper



- Please select the target

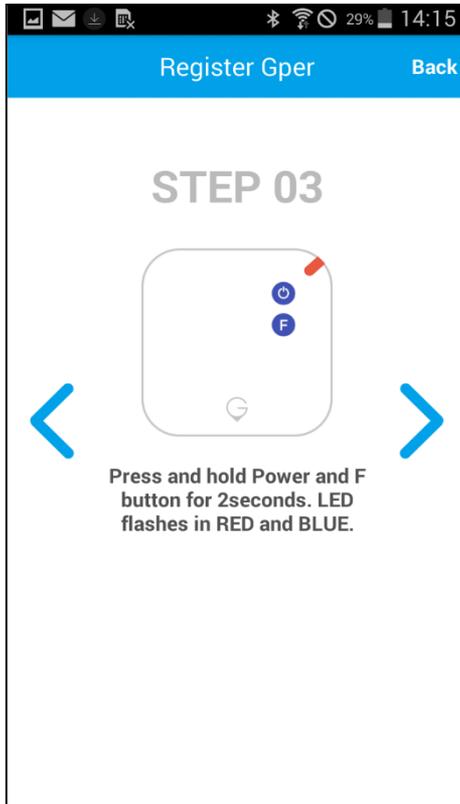


- STEP 02 : Switch on Gper.

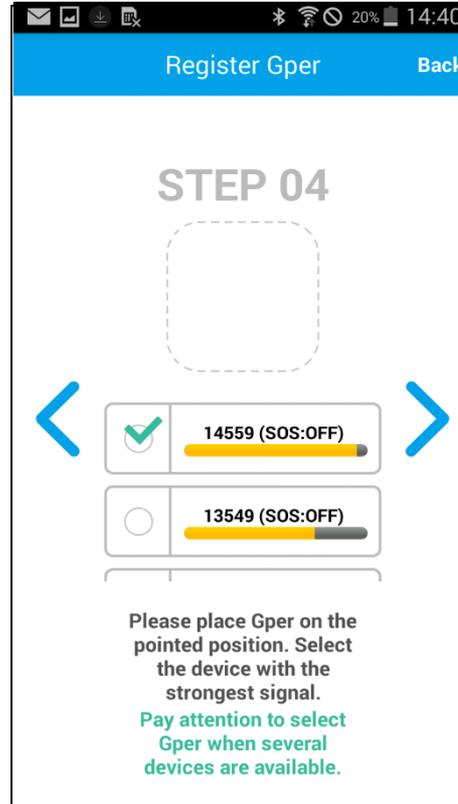
# 03. Registering Object- 1) Gper

## 3-1-3 Gper for CATCH LOC App: Registration

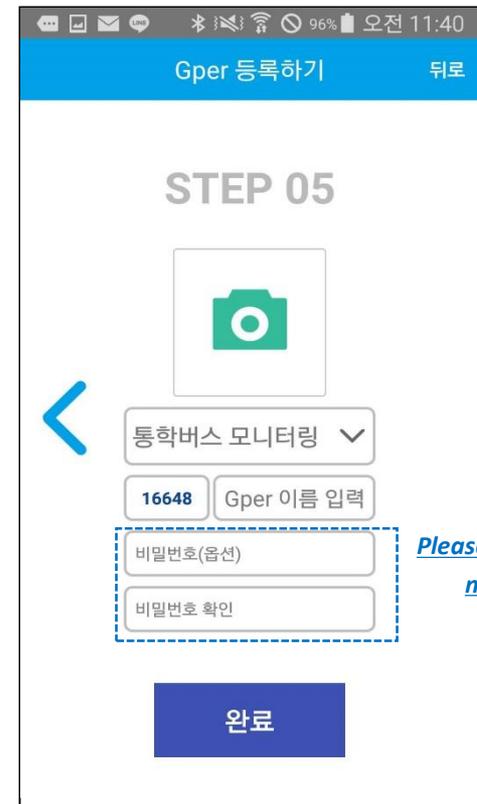
Login >> Create a group >> **Registering Object** >> Registering Group members >> Using service



- STEP 03
- Press and Hold Power and F button for 2 seconds to turn beacon mode on
- LED will flash in RED.



- STEP 04
- Please SELECT the device the strongest signal

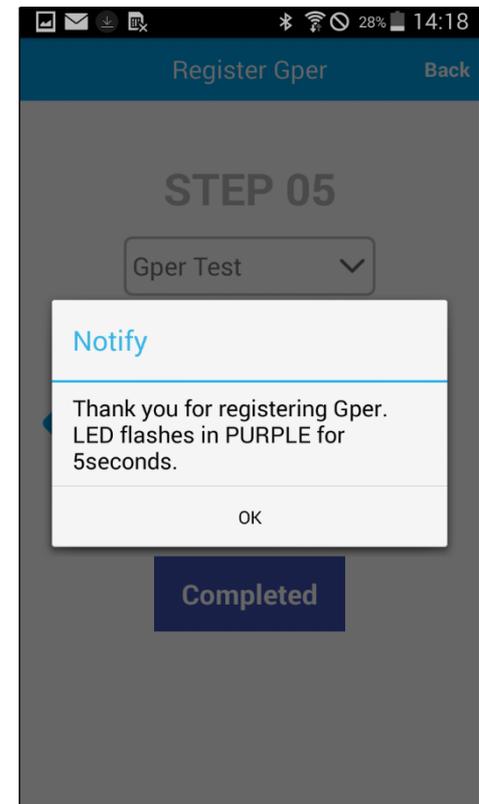
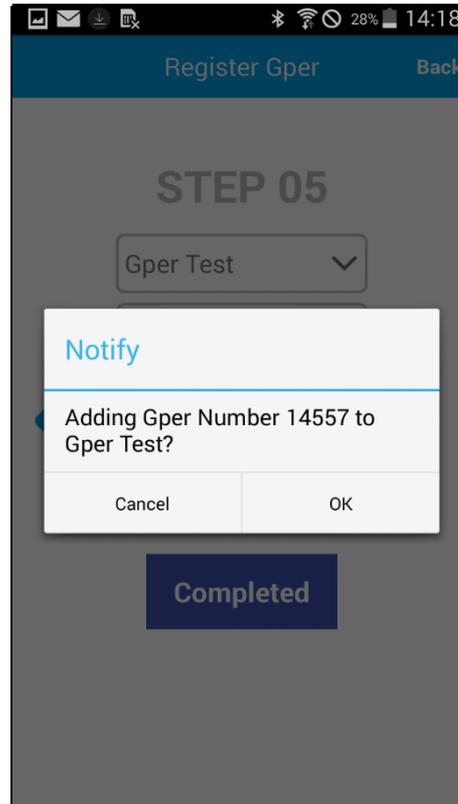
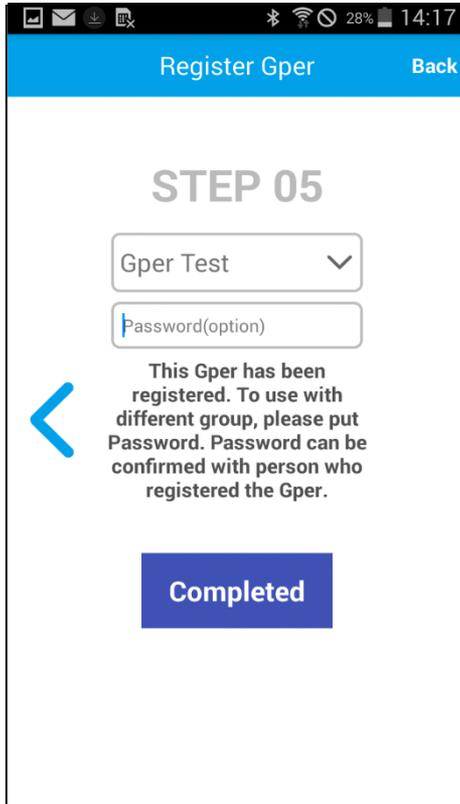


- STEP 05
- Please choose a group you wish the device to be belong to.

# 03. Registering Object– 1) Gper

## 3-1-4 Gper for CATCH LOC App: Registration

Login >> Create a group >> **Registering Object** >> Registering Group members >> Using service

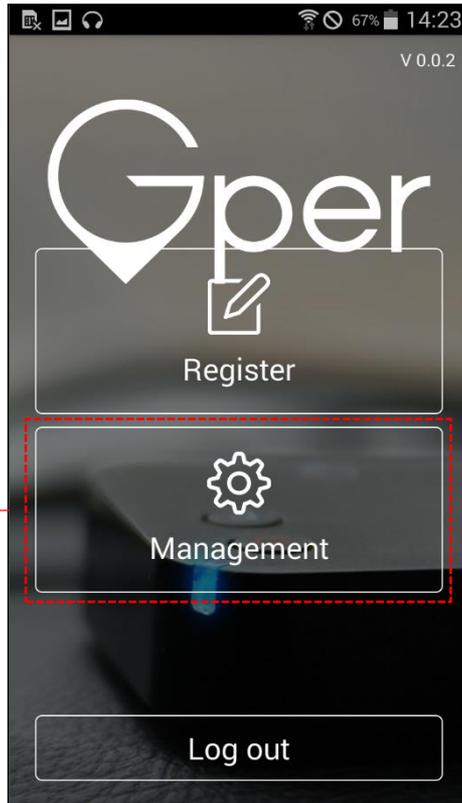


**Registration Completed**

# 03. Registering Object– 1) Gper

## 3-1-5 Gper for CATCH LOC App: Management

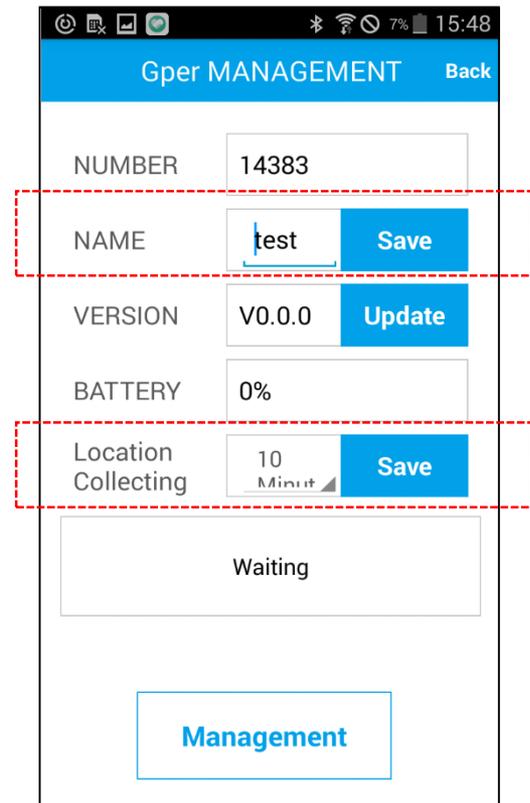
Login >> Create a group >> **Registering Object** >> Registering Group members >> Using service



Log-in with your given ID.  
Then go to Management



- Please select the Gper you wish to manage.



Beacon Mode OFF:

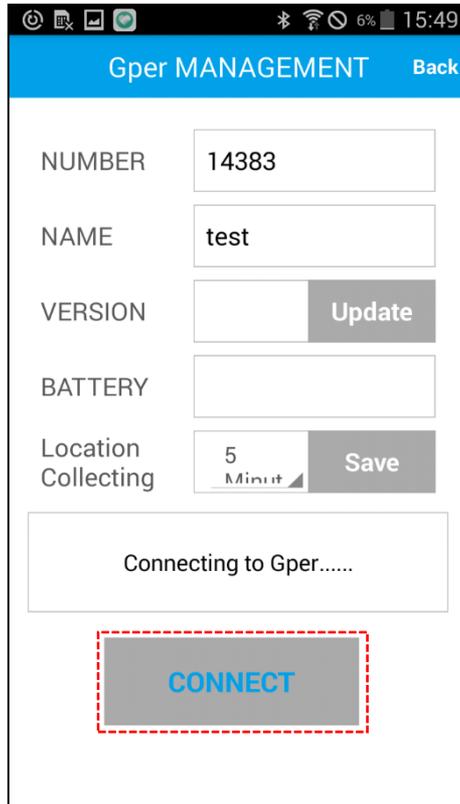
NAME can be edited only

**\*To change Location Collection Please turn ON Beacon mode by press and hold Power and F button for 2 seconds.**

# 03. Registering Object- 1) Gper

## 3-1-6 Gper for CATCH LOC App: Management

로그인 >> 그룹확인&생성 >> 위치 OBJECT 등록 >> 그룹원 등록 >> 서비스이용하기



Gper MANAGEMENT Back

NUMBER 14383

NAME test

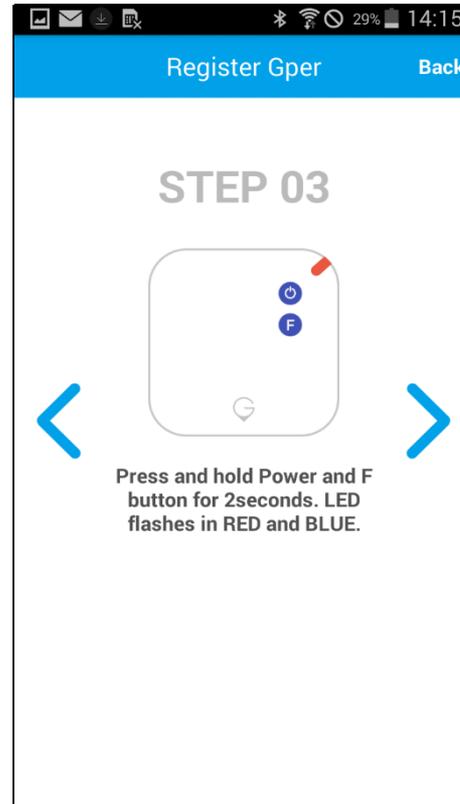
VERSION Update

BATTERY

Location Collecting 5 Minut Save

Connecting to Gper.....

CONNECT

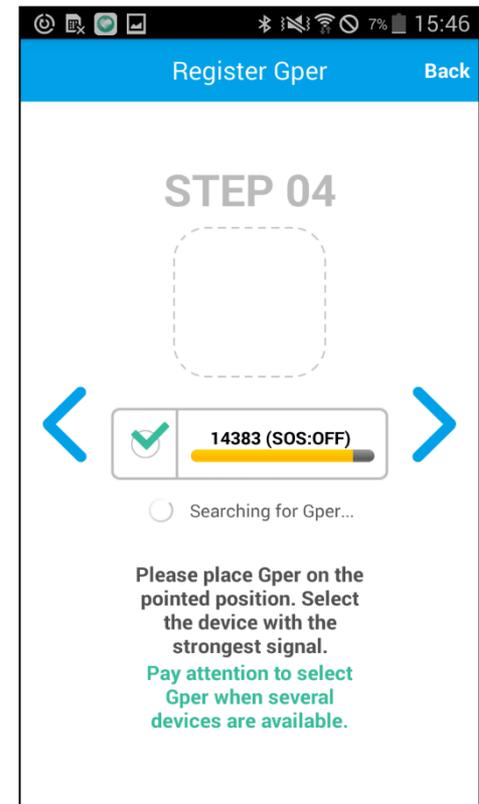


Register Gper Back

STEP 03



Press and hold Power and F button for 2seconds. LED flashes in RED and BLUE.



Register Gper Back

STEP 04



14383 (SOS:OFF)

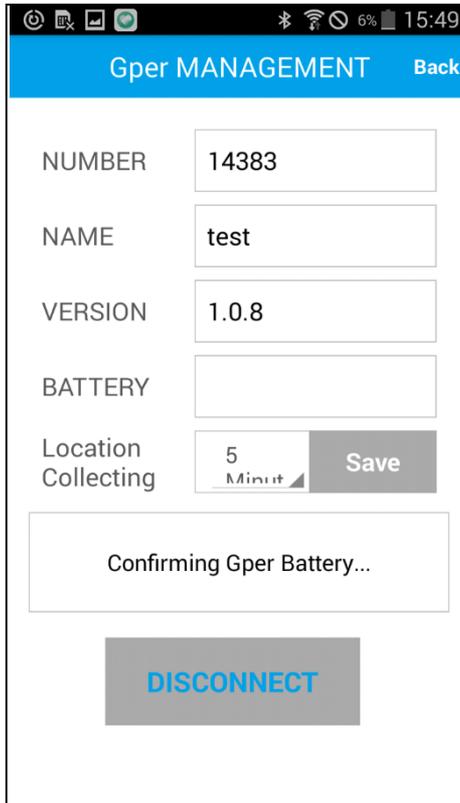
Searching for Gper...

Please place Gper on the pointed position. Select the device with the strongest signal.  
Pay attention to select Gper when several devices are available.

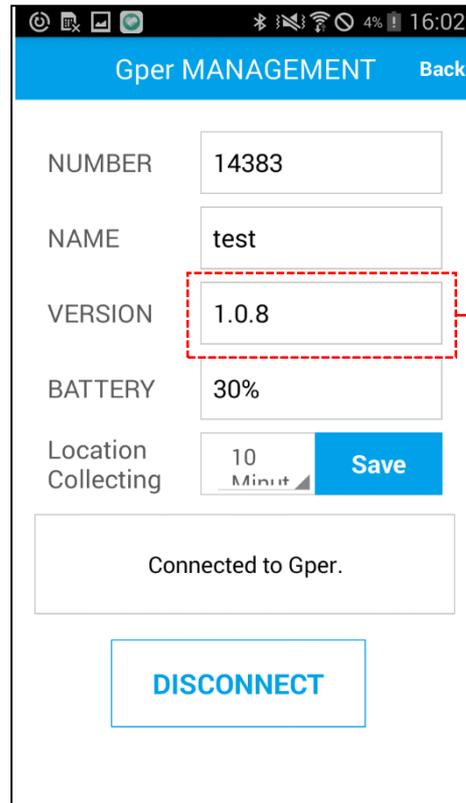
# 03. Registering Object– 1) Gper

## 3-1-7 Gper for CATCH LOC App: Management

Login >> Create a group >> **Registering Object** >> Registering Group members >> Using service



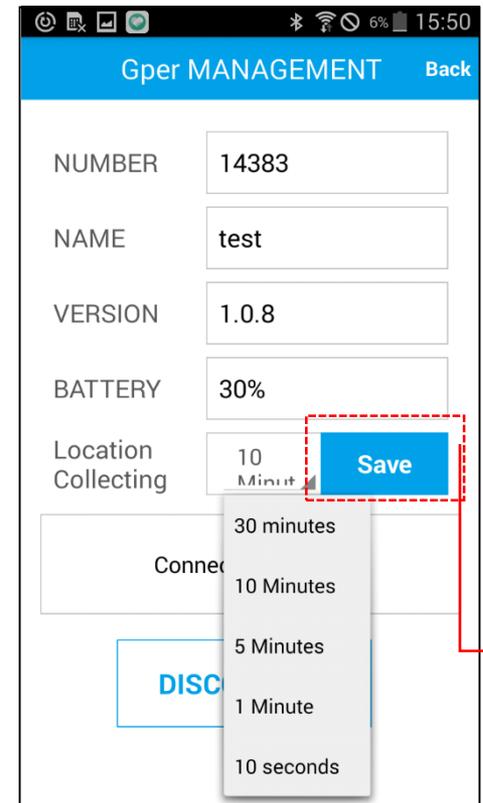
Screenshot of Connecting Gper.



- Gper is connected successfully



***\*Update button will be available if you are not at the latest version.***



***Please save after you have changed the "Location Collecting time"***