Fleet Management Systems

VtrackPro™
Professional Video Tracking
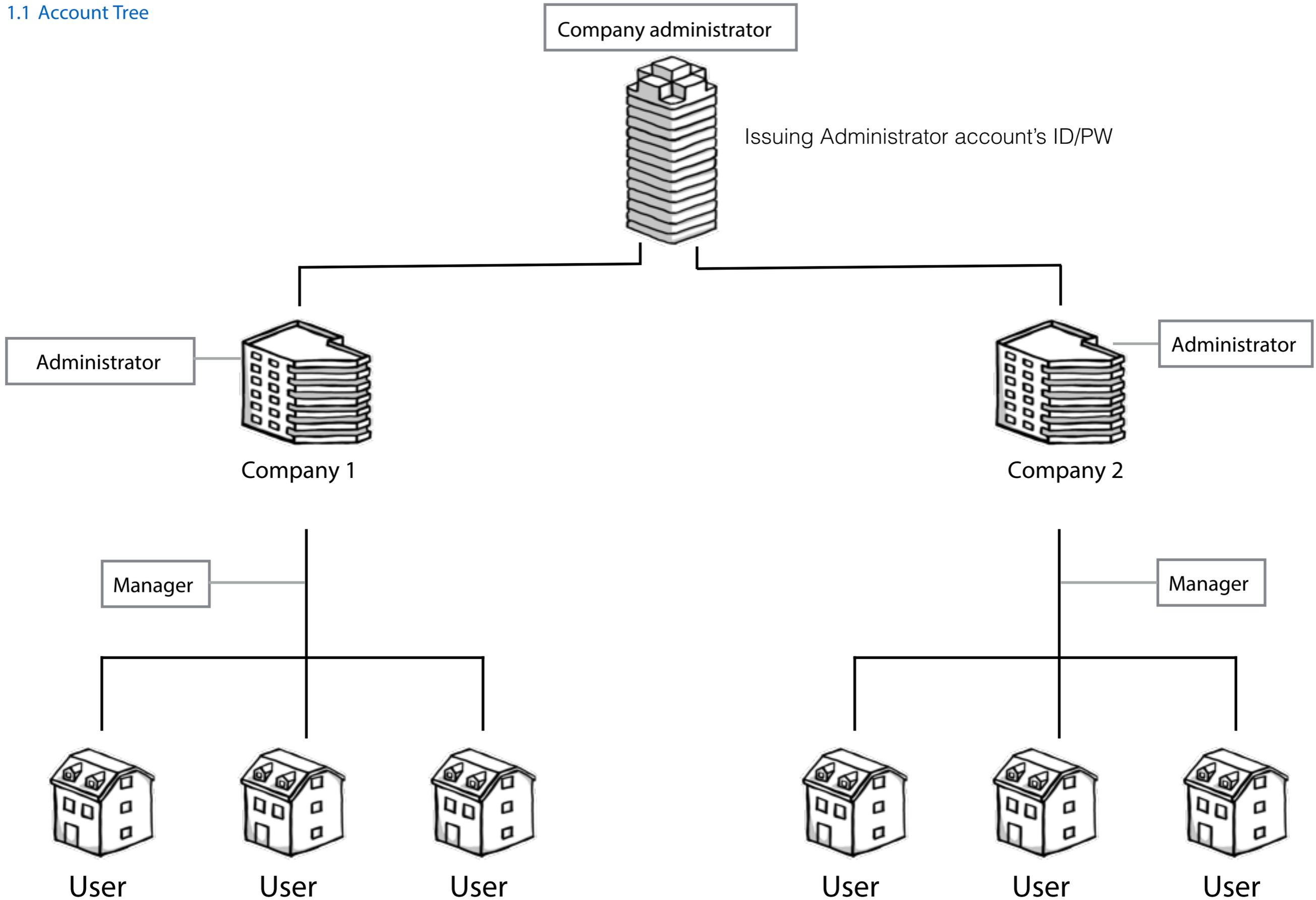
User Guide Rev.1.0.0
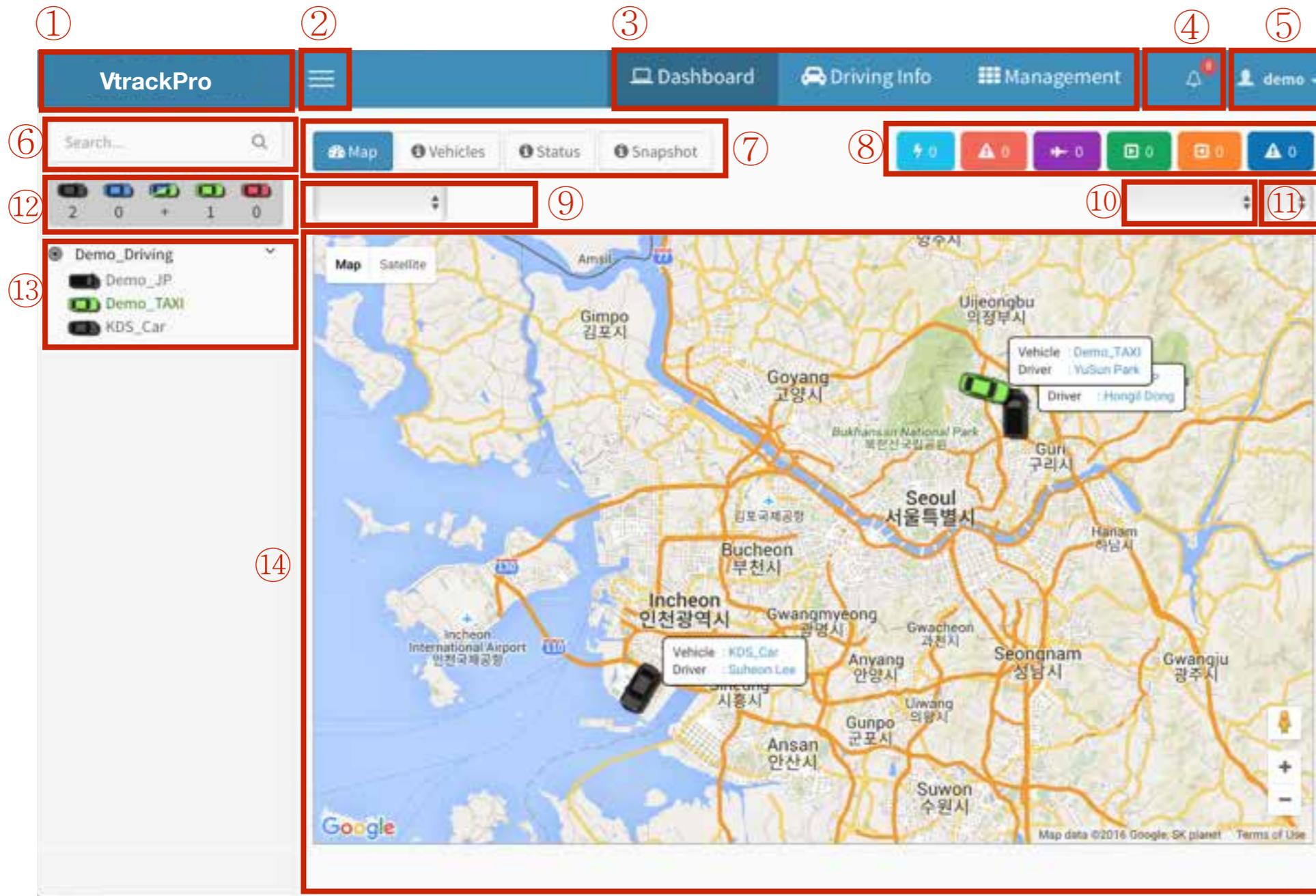
Index

1.1 Account Tree

Company administrator

Issuing Administrator account's ID/PW

Administrator

Company 1

Administrator

Company 2

Manager

Manager

User   User   User

User   User   User

1.2 Menu location - Dashboard

① **VtrackPro**

② (menu icon)

③ Dashboard　Driving Info　Management

④ (notification alarm)

⑤ demo ▾

⑥ Search...

⑦ Map　Vehicles　Status　Snapshot

⑧ ⚡0　⚠0　➤0　▶0　▣0　⚠0

⑫ 2　0　+　1　0

⑨ (sort company's map dropdown)

⑩ (sort vehicle group dropdown)　⑪

⑬ Demo_Driving ⌄
　Demo_JP
　Demo_TAXI
　KDS_Car

⑭ Live map

Descriptions	
①	Company logo or name
②	Folder tap for right menu
③	Menu category
④	Notification alarm tap
⑤	log-in and out
⑥	Search box for vehicle and driver
⑦	Live monitoring menu
⑧	Today's event alarm as each case
⑨	Sort company's map
⑩	Sort vehicle group
⑪	Sort driver
⑫	Live state of vehicle engine & error
⑬	State of duty
⑭	Live map

1.3 Menu location - Management

Descriptions	
①	Company logo
②	Folder tap for right side menu
③	Menu category
④	Right side menu for detail
⑤	Current page name
⑥	Page contents
⑦	Page navigator

2.1 Setting

Management > Setting

Please setup FMS site as below steps

A. General Settings
1. Setting site
2. Vehicle manufacturer
3. Vehicle type
4. Location MAP
5. Register company
6. Issuing User ID/PW

B. Driver settings
1. Setting Driver Group
2. Register Driver

C. Vehicle settings
1. Setting Vehicle Group
2. Register Vehicle

D. Alarm settings
1. Server Alarm
2. Device Alarm

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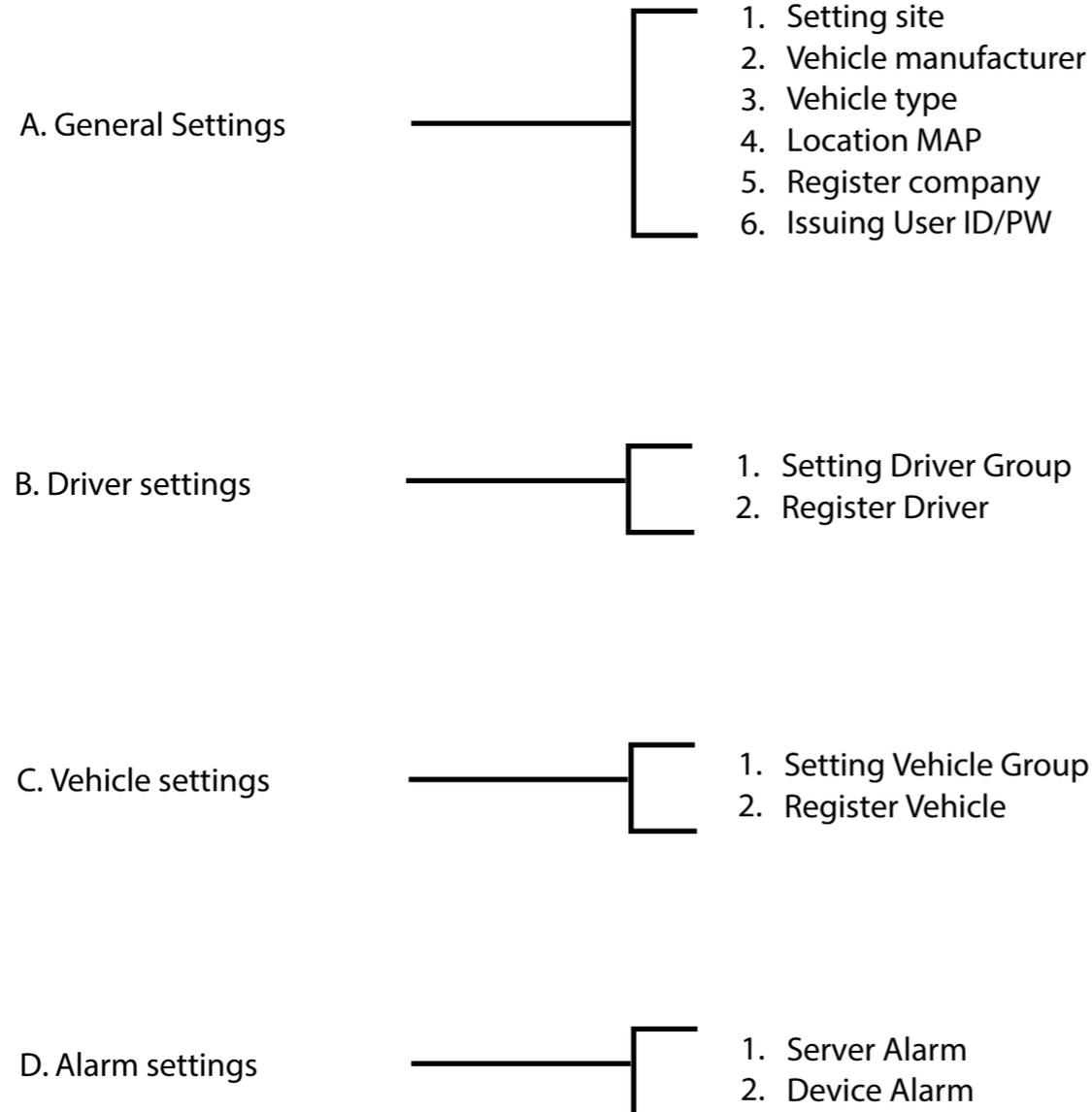
2.1 Setting

Management > Setting

This setup stage is contain for GUI concept selection.
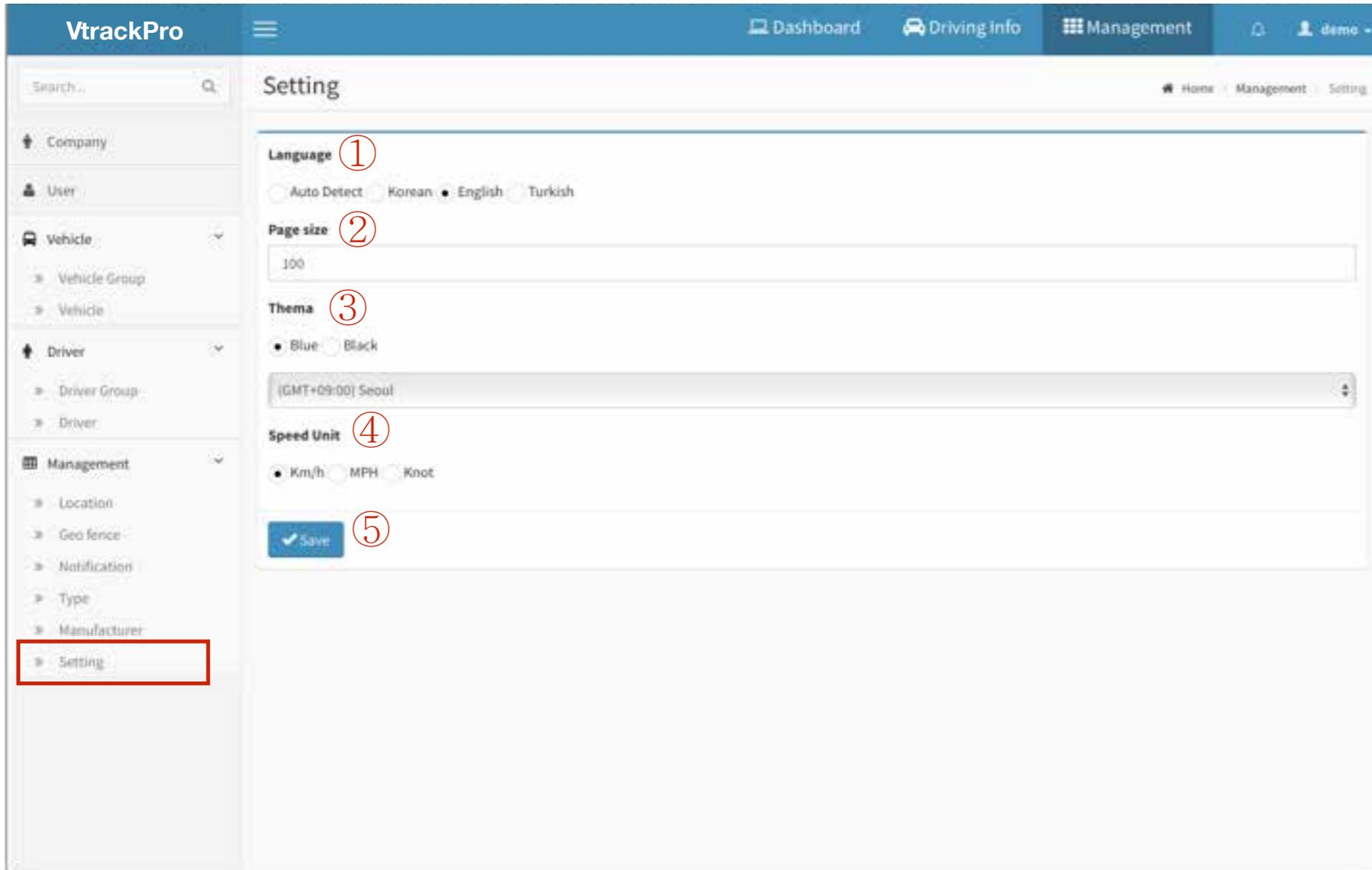
Step & Descriptions	
①	Select the language for GUI & MAP
②	Line for list on the pages Default value is '100'
③	Color of GUI
④	Select speed unit for desplay
⑤	Click to Save

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2.2 Vehicle Manufacturer

Management > Manufacturer

1. Click to [Insert] for add vehicle brand.
2. Select brand of vehicle

	Step & Descriptions
①	Well-order number for list
②	List of vehicle manufacturer
③	Click to save

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2.3 Vehicle Type

Management > Type

1. Click to [✎ Insert]   for select type list of vehicle.
2. Select type of vehicle for list up and save.

Step & Descriptions	
①	Well-order number for list
②	List of vehicle type

2.4 Location MAP

Management > Location

1. Click to [Insert] for select MAP on Dashboard.
2. Enter address or street name to search box.

	Step & Descriptions
①	Enter location name as like company
②	Enter address or street name and select location
③	Position X' will setup automatically.
④	Position Y' will setup automatically.
⑤	Radius is generally '100'
⑥	If this map location will not be used the select 'Expire'
⑦	Well-order number as like '1' or '2'
⑧	Click to save

2.5 Company

Management > Company > ✏ Insert

1. This setup stage is contain for   Company information.

Step & Descriptions		
①	Enter company name	
②	Enter well-order number	
③	Enter telephone number	
④	Enter E-mail address	
⑤	Select to company time zone	
⑥	Select to speed unit	
⑦	Click to upload for company logo (220 x 50 pix)	
⑧	Enter comments for company info.	
⑨	Click to save	

Company

Company

① Company Name
DEMO V-Track

② Company Number
001

③ Tel
Enter tel

④ E-mail
Enter email

Timezone
⑤ (GMT+09:00) Seoul

⑥ Speed Unit
● Km/h ○ MPH ○ Knot

Photo

⑦ 🖼 Upload   ✖ Delete

Memo
⑧ Enter memo

⑨ ✔ Save

2.6 Create user account (Admin page)

Management > User > ✏ Insert

1. This setup stage is contain for creating user account.

	Step & Descriptions
①	Enter User name(ex. company)
②	Enter user ID for use
③	Enter password
④	Enter telephone number
⑤	Enter E-mail address
⑥	Select to user's time zone
⑦	Select to speed unit
⑧	If will not be used this user account then select to 'Expire'
⑨	Select right of access 1) User: unable to change and add. 2) Manager: able to add and change for vehicle and driver. 3) Admin: able to creating account.
⑩	Click to save

VtrackPro

Dashboard   Driving Info   Management   demo

Search...

User Control panel   Home › Management

Company

User

User

Vehicle

① **User Name**
Enter name

Vehicle Group
Vehicle

② **Login ID**
Enter login ID

Driver
Driver Group
Driver

③ **Password**
Enter password

④ **Tel.**
Enter Tel.

Management
Location
Geo fence

⑤ **E-mail**
Enter e-mail

Notification
Type
Manufacturer
Setting

⑥ **Timezone**
(GMT+09:00) Seoul

⑦ **Speed Unit**
● Km/h ○ MPH ○ Knot

⑧ **Availability**
● Valid ○ Expire

⑨ **Authority**
● User ○ Manager ○ Administrator

⑩ ✔ Save   ✖ Cancel

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3.1 Create Driver Group

Management > Driver > Driver Group >   [✏ Insert]

1. This setup stage is contain for creating Driver Group

			Step & Descriptions
VtrackPro	☰	🖵 Dashboard 🚗 Driving Info ⚏ Management ⏰ 👤 demo ▾	①	Enter Driver group name
Search... 🔍	Vehicle Group Control panel 🏠 Home › Management		②	Enter comment
👤 Company	Driver Group		③	If will not be used this driver group then change to 'Expire' later on
👤 User	① **Name**		④	Enter number for well-order list
🚗 Vehicle ▾	Enter name		⑤	Click to save
» Vehicle Group	② **Descriptions**			
» Vehicle	Enter comment			
👤 Driver ▾	③ **Availability**			
» Driver Group	● Valid ○ Expire			
» Driver	④ **No.**			
⊞ Management ▾	Enter order			
» Location	⑤			
» Geo fence	✔ Save ✘ Cancel			
» Notification				
» Type				
» Manufacturer				
» Setting				

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3.2 Register Driver

Management > Driver > Driver > ✏ Insert

1. This setup stage is contain for resister driver

	Step & Descriptions
①	Enter Driver name
②	Enter number for well-order list
③	Enter driver phone number
④	Enter driver email address
⑤	Select and upload picture of driver
⑥	Enter comments
⑦	If will not be used this driver name then change to 'Expire' later on
⑧	Select driver group
⑨	Click to save

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4.1 Create Vehicle Group

Management > Vehicle > Vehicle Group > [✎ Insert]

1. This setup stage is contain for resister driver

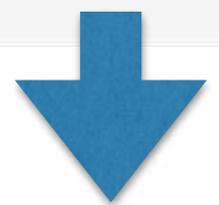|	Step & Descriptions
①	Enter the name of vehicle group
②	Enter the comments
③	If will not be used this vehicle group then change to 'Expire' later on
④	This article is for firmware version for **update via OTA(over the air). Do not** select any firmware list if not requirement. Upload firmware right is for 'Root administrator' only
⑤	Enter number for well-order list
⑥	Click to save

4.2 Register Vehicle -1

Management > Vehicle > Vehicle > [✏ Insert]

1. This setup stage is contain for resister vehicle and alarm rules

	Step & Descriptions
①	Enter the name of vehicle
②	Enter vehicle number plate
③	Enter product serial number(The serial number is on the drive recorder's name plate)
④	Enter model year
⑤	Upload picture of vehicle
⑥	Enter comments

Continue the scrolling

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4.2 Register Vehicle -2

Management > Vehicle > Vehicle > [✏ Insert]

1. This setup stage is contain for resister vehicle and alarm rules

① **Transfer images**

✔ Shock ✔ Manual ✔ Emergency ✔ Overspeed ✔ Sudden Accel. ✔ Sudden Brake

② **Transfer VOD**

✔ Shock ✔ Manual ✔ Emergency ✔ Overspeed ✔ Sudden Accel. ✔ Sudden Brake

③ **Image transit channel** (This function is unable to use in 3 Channel mode)

○ Front ○ In-Cabin ● Front & In-Cabin

④ **Transmission cycle**

| 0.5 Second | ⇅ |

⑤ **Transfer snapshot interval**

| 60 Second | ⇅ |

⑥ **Snapshot Size**

● Original ○ 1024x576 ○ 853x480 ○ 640x360

⑦ **Snapshot Quality**

| 0 |

⑧ **Snapshot Schedule**

Sunday	00 ⇅ 00 ⇅ ~ 23 ⇅ 59 ⇅	⇅ ⇅ ~ ⇅ ⇅	
Monday	00 ⇅ 00 ⇅ ~ 23 ⇅ 59 ⇅	⇅ ⇅ ~ ⇅ ⇅	
Tuesday	00 ⇅ 00 ⇅ ~ 23 ⇅ 59 ⇅	⇅ ⇅ ~ ⇅ ⇅	
Wednesday	00 ⇅ 00 ⇅ ~ 23 ⇅ 59 ⇅	⇅ ⇅ ~ ⇅ ⇅	
Thursday	00 ⇅ 00 ⇅ ~ 23 ⇅ 59 ⇅	⇅ ⇅ ~ ⇅ ⇅	
Friday	00 ⇅ 00 ⇅ ~ 23 ⇅ 59 ⇅	⇅ ⇅ ~ ⇅ ⇅	
Saturday	00 ⇅ 00 ⇅ ~ 23 ⇅ 59 ⇅	⇅ ⇅ ~ ⇅ ⇅	

Step & Descriptions	
①	Select case of transmitting snapshot as event type(This event rule is based on 'setup.cfg' from drive recorder.
②	Select case of transmitting video as event type(This event rule is based on 'setup.cfg' from drive recorder.
③	Select channel view of thumbnail at Event List. (It is able to select the thumbnail channel via PC manager when 3 Channel setup DR config file)
④	This item is DR communicate interval as like GPS,G-Sensor and state of Drive Recorder.
⑤	This item is selection interval about auto-transmitting snapshot.
⑥	Select snapshot size
⑦	Snapshot quality level.(between 0 to 100) , Default is '0'. If enter higher number as like 20 or 30 then snapshot size will greater.
⑧	Select auto-transmitting schedule for snapshot.
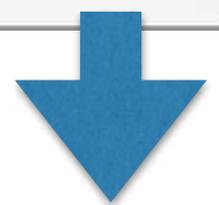
Continue the scrolling

4.2 Register Vehicle -3

Management > Vehicle > Vehicle > [🖊 Insert]

1. This setup stage is contain for resister vehicle and alarm rules

① **Maintenance Reset**

Sunday

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

② **File Server Type**

● Local Server   ○ Dropbox

③ **Image Server Type**

● Local Server   ○ Dropbox

④ **Availability**

● Valid   ○ Expire

⑤ **Vehicle Group**

⑥ **Type**

⑦ **Manufacturer**

⑧ **Driver**

[✔ Save]   [✘ Cancel]

	Step & Descriptions
①	Maintenance Reset' means make rebooting drive recorder for maintenance. Setup time for Auto-rebooting drive recorder.
②	Select the storage for saving video & logs file which file has received from DR.
③	Select the storage for saving snapshot image which file has received from DR.
④	If this vehicle will not be used then select 'Expire' later on then will remove the vehicle name on vehicle list.
⑤	Select the vehicle group
⑥	Select the vehicle type
⑦	Select the vehicle manufacturer
⑧	Select the driver (If will not be selected the driver then it is unable to complete setup.

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5.1 Setup GeoFence

Management > GeoFence > [✎ Insert]

1. This setup stage is contain for setup GeoFence zone

	Step & Descriptions
①	Enter the name of GeoFence
②	Select visibility geofence zone on the map
③	If will not be used geofence zone then select 'Expire' later on
④	Click to save and add the geofence list

5.1 Setup GeoFence

Management > GeoFence >   [✏ Insert]

1. Click to Name of GeoFence for add area

	Step & Descriptions
①	Click to the name list of GeoFence for add area.
②	Click to 'Add Geo fence area' for draw area

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5.1 Setup GeoFence

Management > GeoFence > [✏ Insert]

1. Searching location for GeoFence area
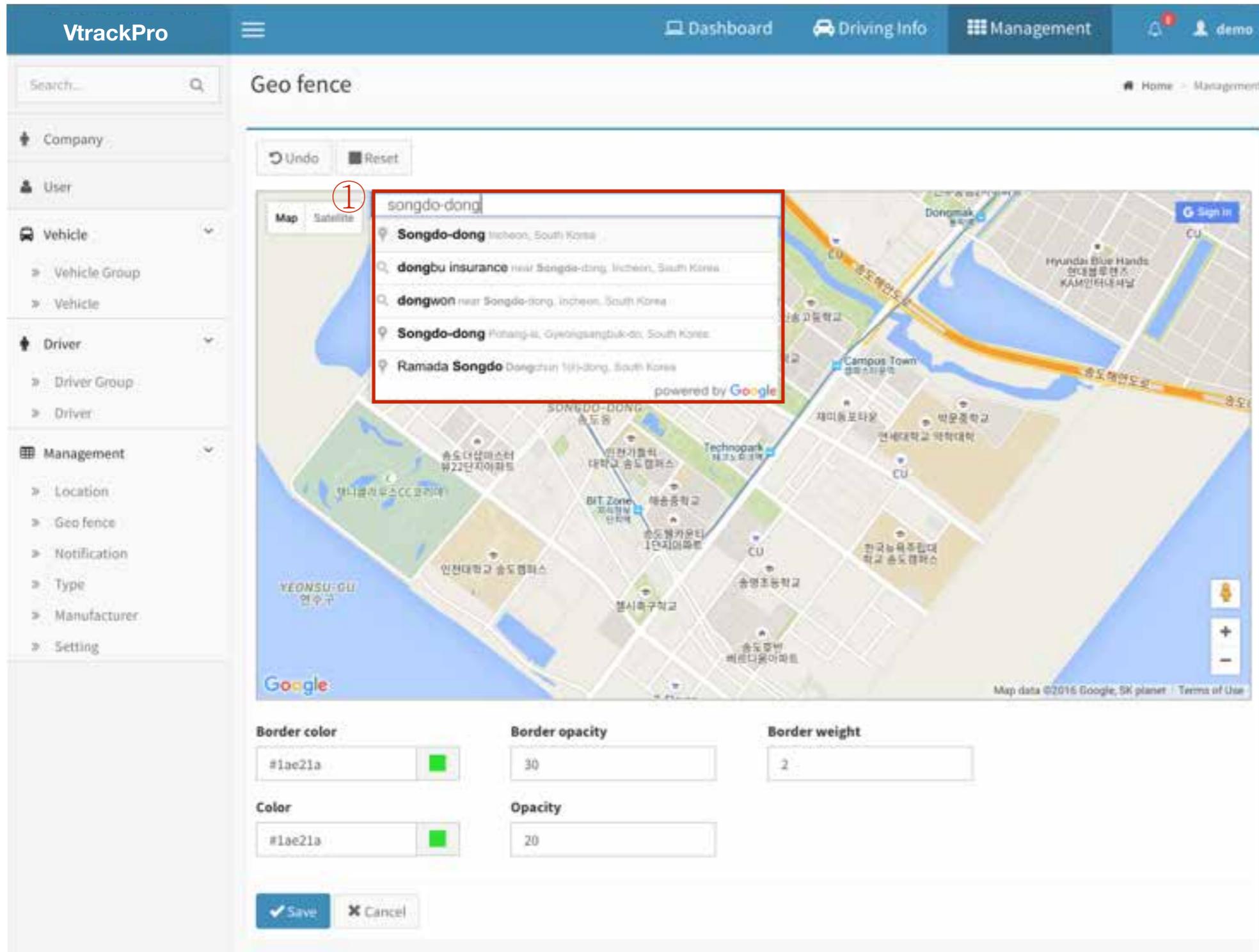
	Step & Descriptions	
①	Enter the location or address near target Geofence area	

5.1 Setup GeoFence

Management > GeoFence > [Insert]

1. Searching location for GeoFence area

	Step & Descriptions
①	Select to 'Border line' color
②	Enter the number of opacity for border color (1 upto 100 / Defaults is 30)
③	Enter border line's width(default is 2)
④	Select to area color
⑤	Enter the number of opacity for area color (1 upto 100 / Defaults is 30)
⑥	Undo key
⑦	Reset key
⑧	Click and drawing area
⑨	Click to save

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5.2 Implement Vehicle

Management > GeoFence >   [✏ Insert]

1. Implement GeoFence to target vehicle

	Step & Descriptions
①	Click to 'Target vehicle'

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5.2 Implement Vehicle

Management > GeoFence > [✏ Insert]

1. Implement GeoFence to target vehicle

Geo fence - Truck_Food

① Out event

③

| Demo_TAXI |
| Demo_JP |
| KDS_Car |

④

Unselected list   Selected list

② In event

| KDS_Car |
| Demo_TAXI |
| Demo_JP |

⑤
⑥
⑦
⑧

⑨ 💾 Save ✖ Cancel

Step & Descriptions	
①	GeoFence-OUT timing EVENT
②	GeoFence-IN timing EVENT
③	Select vehicle (if need to select multi-vehicle then enter-hold 'Shift' and click the vehicle
④	Add the vehicle to 'Selected vehicle' list
⑤	Add all the vehicle to Selected list
⑥	Add the vehicle to 'Selected vehicle' list
⑦	Remove selected vehicle from GeoFence selected list
⑧	Remove all the vehicle from GeoFence selected list
⑨	Click to save

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5.2 Implement Vehicle

Management > GeoFence >   [🖉 Insert]

1. Implement GeoFence to target vehicle

	Step & Descriptions	
①	GeoFence-OUT timing EVENT	
②	GeoFence-IN timing EVENT	
③	Select vehicle (if need to select multi-vehicle then enter-hold 'Shift' and click the vehicle	
④	Add the vehicle to 'Selected vehicle' list	
⑤	Add all the vehicle to Selected list	
⑥	Add the vehicle to 'Selected vehicle' list	
⑦	Remove selected vehicle from GeoFence selected list	
⑧	Remove all the vehicle from GeoFence selected list	
⑨	Click to save	

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5.3 Remove GeoFence

Management > GeoFence > [Insert]

1. Remove GeoFence

	Step & Descriptions
①	Click to the list of GeoFence
②	Click to area
③	Click to 'Remove GeoFence area'
④	Click to 'OK' for confirm

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6.1 Setup Alarm Timing

Management > Notification > [✎ Insert]

1. Setup Alarm Notification

	Step & Descriptions
①	Enter the name of notification case
②	Setup operating 1st alarm timing
③	Setup operating 2nd alarm timing
④	Select GeoFence if required. If selected the alarm zone then the alarm will be notified when the vehicle located in the area only
⑤	Select alarm rule for inside or out side area vehicle case.
⑥	Select alarm rule as each even case
⑦	the number '0' is default value for not use any notification. If the vehicle over-ride from each value then will be occurred alarm notification.

* Speed unit is change automatically as maintenance setting value

Continue the scrolling

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6.1 Setup Alarm Timing

Management > Notification > [✎ Insert]

1. Setup Alarm Notification

① **Event Historys**	

☐ Snapshot	☐ Motion Detect	☐ Sleep Mode On	☐ Sleep Mode Off
☐ GPS On	☐ GPS Off	☐ GPS Error	☐ ACC On
☐ ACC Off	☐ Reverse Gear On	☐ Reverse Gear Off	✔ System Error
✔ Primary SD Error	✔ Secondary SD Error	✔ Power Cut Voltage	✔ Power Cut Timer
✔ DC Jack Unplugged	✔ Remote Recoding Stop	✔ Remote Recoding Start	✔ Remote Reboot

② **IR LED Blink**

`0` Second

③ **Geo fence Event**

Truck_Food   [⬍] ④

Continue the scrolling

Step & Descriptions	
①	Select alarm notification rule(case)
②	Enter the seconds for 'Covering time to 'In-Cabin lens' limit.
③	Select GeoFencing Event notification
④	(IN / OUT / IN & NOT) If not require this alarm notification then do not select anything.

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6.1 Setup Alarm Timing

Management > Notification > [🖊 Insert]

1. Setup Alarm Notification

Vehicle

① KDS_Car
Demo_TAXI
Demo_JP

②

③ **Send Image & Event**
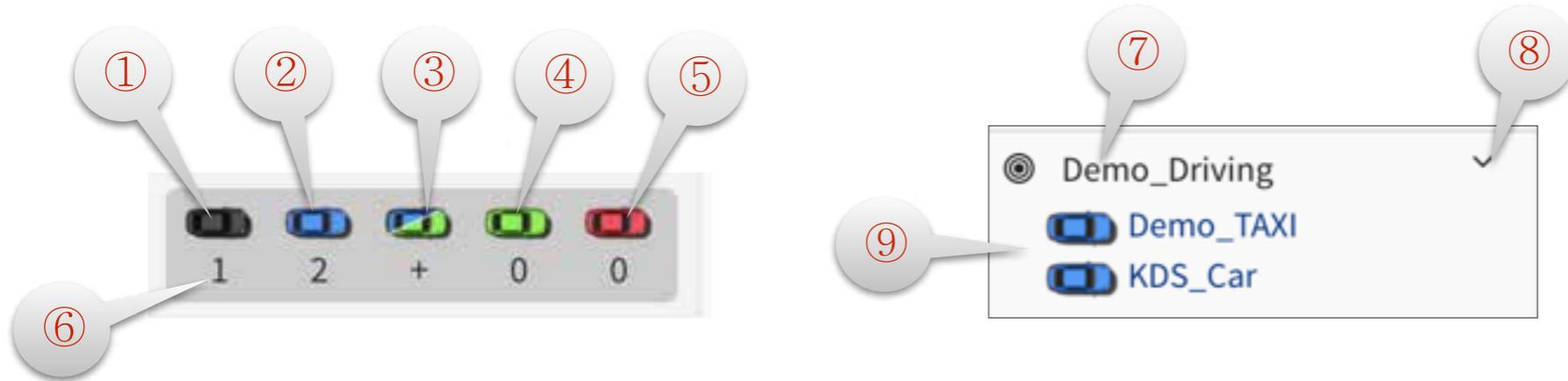
● Not use ○ Image ○ Event (Except for DR events)

④ **Availability**

● Use ○ Not use

⑤ [✔ Save] [✖ Cancel]

Step & Descriptions	
①	Vehicle List
②	Impelement vehicle list
③	Notification contants item 1) **Not use: Text only** 2) **Image: Snapshot only** 3) Event: Snapshot & Video file
④	If this notification rules will not use then select 'Not use' later on.
⑤	Click to Save

7.1 Icon

Dashboard

Step & Descriptions	
①	Network OFF state vehicle
②	Network ON state vehicle
③	Network ON and Sleep mode vehicle
④	Entered sleep mode vehicle
⑤	System Error vehicle
⑥	Number of Vehicle at that case
⑦	Vehicle Group
⑧	Folder tap for Group
⑨	Group Vehicle list

Shock   Over Speed   Suden Brake

Emergency   Suden Accel.   Manual Event

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7.2 Live Menu - Vehicle

Dashboard

	Step & Descriptions
①	Vehicle state
②	Current Driving ID
③	Vehicle Name
④	Driver Name
⑤	Milage
⑥	Overspeed driving count
⑦	Idling time (MM:SS)
⑧	Sudden Accel. count
⑨	Sudden Brake count
⑩	Network state
⑪	Go to vehicle monitering

7.3 Live Menu - Device

Dashboard

	Step & Descriptions
①	Device state
②	Current Driving ID
③	Vehicle Name
④	Driver Name
⑤	ACC state
⑥	Network state
⑦	GPS state
⑧	Reverse gear state
⑨	In-Cabin IR state
⑩	Sleep mode state
⑪	Primary SD card state
⑫	Driving state
⑬	Go to Live monitoring

7.4 Live Menu - Snapshot monitoring

Dashboard

Step & Descriptions	
①	Current auto-snapshot
②	Latest snapshot about Offline vehicle
③	Auto-snapshot about online vehicle

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8.1 Resume page

Dashboard > Click to vehicle

Step & Descriptions	
①	Live Steaming pop-up TAP
②	Remote connect to vehicle SD card
③	Check setup configuration device
④	Vehicle Info(Serial number & F/W version check)
⑤	Drive tracking from history
⑥	Event History
⑦	Auto-snapshot
⑧	Event video file
⑨	Logs file
⑩	Device LED state mirror

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