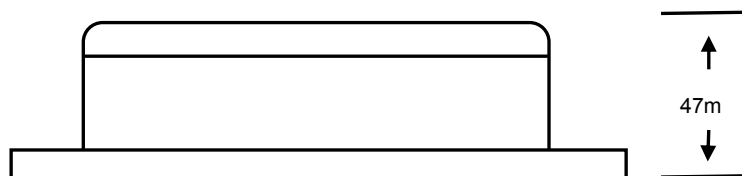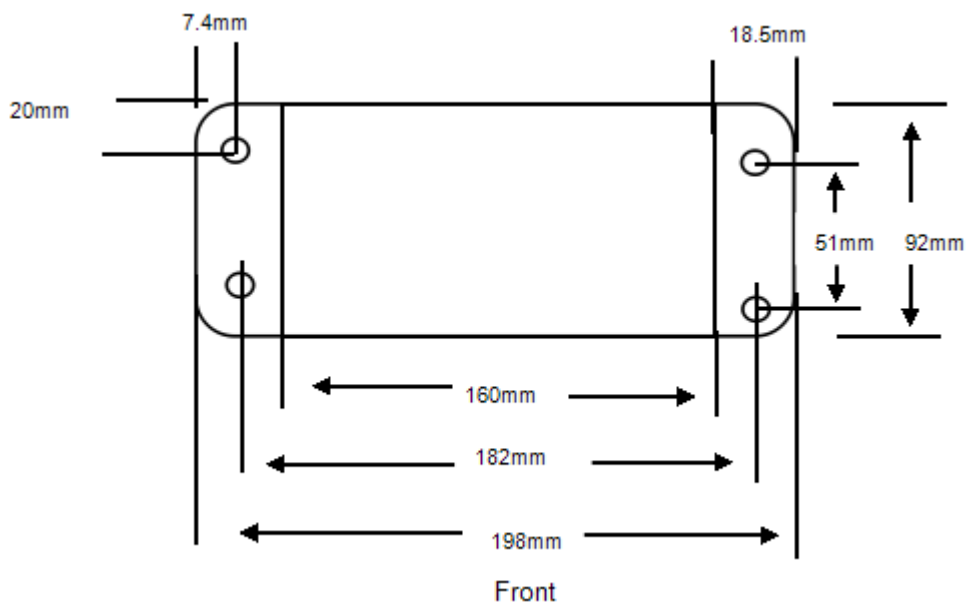# Part I

Vehicle Warning System

V5.10 Host Manual

1 Installation information

The host has been screwed on metal base in factory. We suggest to tie it up on forklift frame by cable tie (packed in box)

Installation example:

2 Host Dimension

Front

Side

Note：Above dimension tolerance is 1mm;

2. Technical Data

Host		
Electrical	Power supply:12-28V DC	
Mechanical	Dimension:198×92×47(mm)	
Environmental	Work temperature:0-70 centigrade; Industrial LCD display IR remote control	
Radio & Range	2400.0MHz~2483.5MHz Range:0-15meter	

3. Remote Control Appearance And Function

There are 11 buttons used to set host volume, detect range, timer, Personnel Tag (P-Tag) ID number register, user management etc
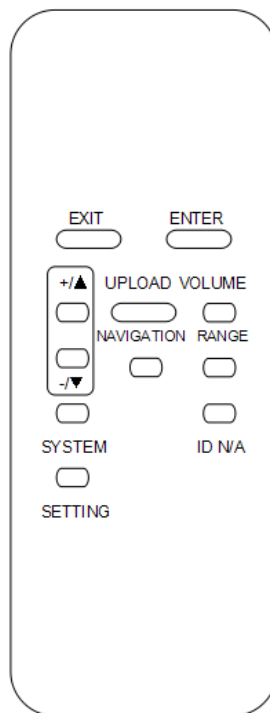

Key Functions:

1) System: system setting, press to set time, date etc
2) Setting: management setting, to change host ID,set alarm function, set power shut off function.
3) Upload: data upload mode,
4) Range: detect rang setting, to set detect range between host to host, host to person transmitter
5) ID N/A: Enter/Delete ID which don't need to detect.
6) Navigation: turn on or turn off Voice Navigation. Press one time to turn on, press again to turn off.
   The alarm will still work even the navigation function turns off.
7) Volume: there is mute, and, volume 1-3 level
8) Enter: to confirm operation, save and exit or enter next Menu
9) Exit: to exit operation or back to previous menu.
10) ▲/+:Up / plus
11) ▼/-:Down/minus

4. Remote Control Operations

After turn-on the power, LCD will display as follows (It takes around 6-8 sec. to respond for the first time)
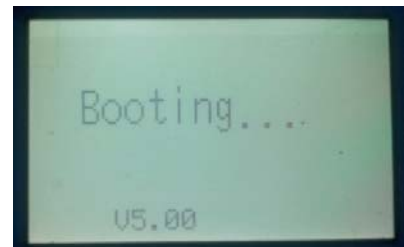
4.1 System Setting

System settings menu includes,
a. Timer Setting
b. Delete Logs History
c. Manufacturer Default Reset.

Press "System" to enter system settings, choose corresponding menu via▲/▼, the selected one will be highlighted. Follow the speaker's guide, press "Enter" to save your choosing.
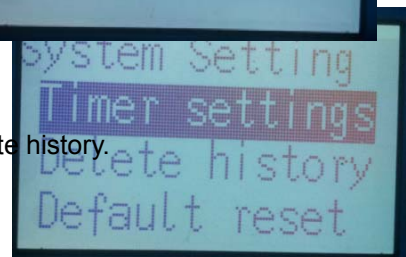
4.1.1 Timer Setting
Enter Timer Setting, press "Enter" button to choose the part you need to adjust. The sequence is: Year/Month/Date/Hour/Minute/Second.
Select 0-9 via ▲ or ▼ , press "Enter" to save. Press "Exit" to cancel timer setting. Press "Enter" again to confirm and exit.
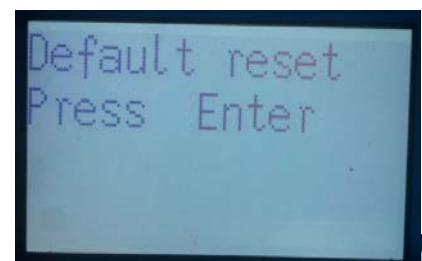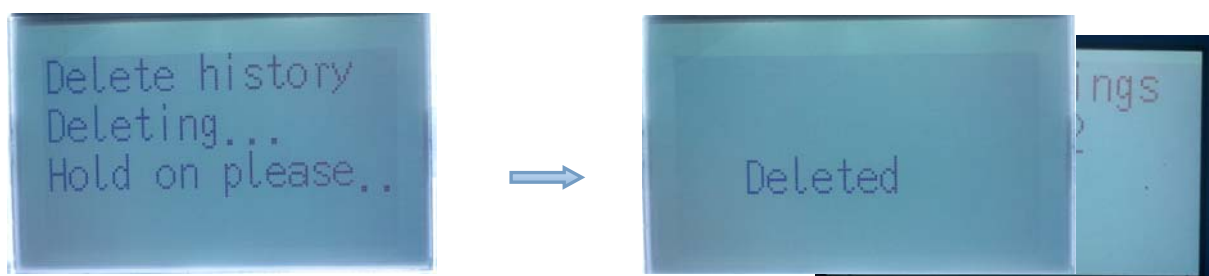
4.1.2. Delete History
After enter this menu, speaker will remind you whether you want to delete history.

Press "Enter" to confirm delete, "Exit" to cancel delete. After deleting,
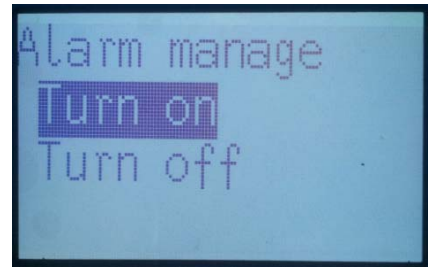LCD display will be back to menu

4.1.3. Default Reset
Suggest not entering this menu if not necessary. All settings will be back to manufacturer's default after reset.
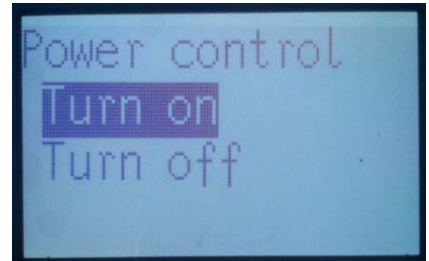Press "Enter" to set, Press "Exit" to cancel the set.

4.2 Management

Press "setting" to enter

4.2.1. Change Host ID

Enter change host ID menu, press ▲ and ▼ to choose 0-9,
after finishing one bit ,press "Enter" to next bit.
After setting all bits, press "Enter" to save. Press "Exit" to
cancel setting

4.2.2 Alarm Management

Enter menu, select Turn on or turn off alarm via ▲ and ▼,
then press "Enter"to save. Press "Exit" to cancel. If select turn
off, it will not alarm even if system detected Personal-tag
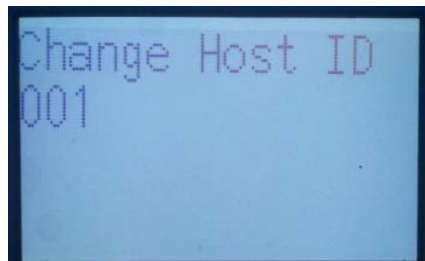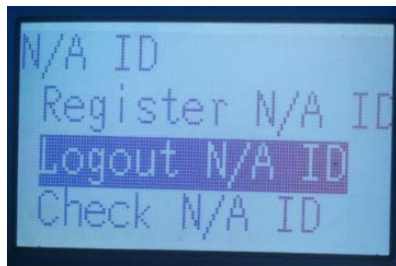

4.2.3 Power Control

Enter menu, select Turn on or Turn off via ▲ and ▼, then
press "Enter" to save. Press "Exit" to cancel.
Note:
If choosing "Turn off power Control", you can still drive
vehicle even if the system is alarming.

4.3 N/A ID
N/A ID is the be alarmed detected

Setting ID which will not when it enter range.

Press "ID N/A" to enter. It Include "Register N/A ID", "Logout N/A ID", "Check N/A ID".
Select via ▲ and ▼, then press "Enter" to next menu.

4.3.1. Register N/A ID.

Enter menu, put the device (include P-tag and host) which needn't alarm, within 2m of the vehicle, turn on P-tag or host , the system will automatically read p-tag or host ID number and display it's in LCD. P-tag ID is 4 numbers, Host ID is 3 numbers.
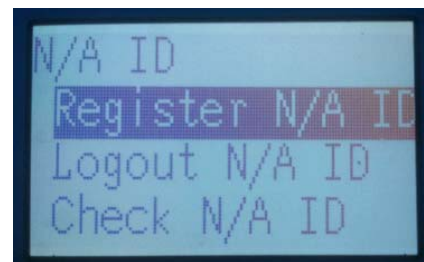After registration all ID, press Enter to save. The System will not alarm when it, detect these registered ID. You may only register 12 Non-Detected ID.
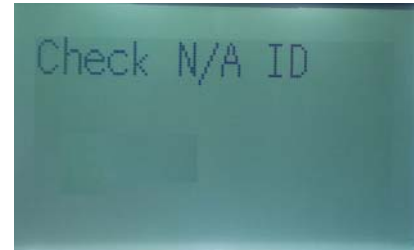
4.3.2. Logout N/A ID

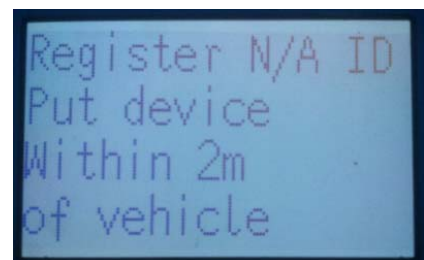Enter menu, select ID via ▲ and ▼, press "Enter" to logout, press.
"Exit" to cancel.
After logout, system will alarm when it enter the detected range .

4.3.3 Check N/A ID

Enter menu, LCD display will list all Non-Detected ID, check via ▲ and ▼. Press "Exit" to exit.

**4.4 Data Upload Mode**

Press "Upload", system will broadcast: " Has entered data upload mode, please put device within 2 meters

range of Host, during data uploading, don't move device and vehicle". LCD display will show "Device Connecting……".

If it can't connect within 30 seconds, and the system will broadcast "Connection failed, please check device and connect again", the system will exit within 2 seconds.
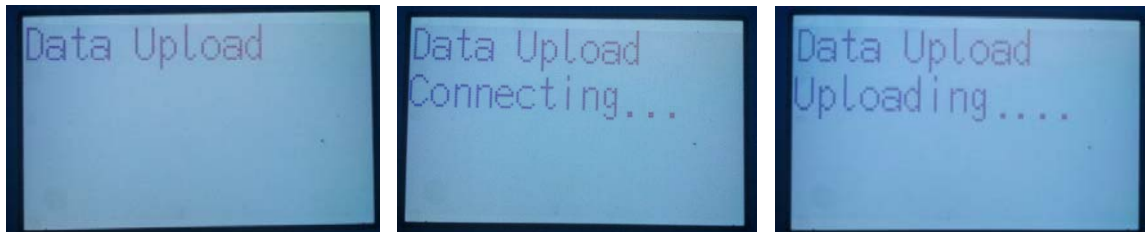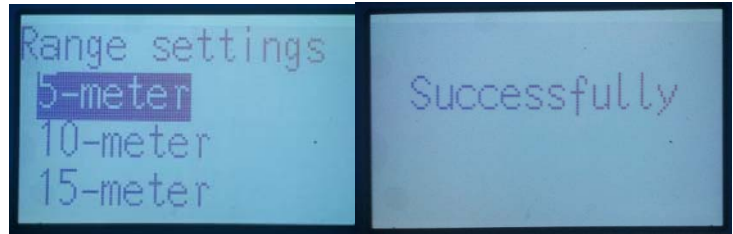
If device connect successfully within 30 seconds, the system will broadcast "Connected, begin to upload data". Then the system will play "Uploading, hold on please" within 1 second. After uploaded, the system will automatically exit this function within 2 seconds.

4.5 Detected Range Setting

Press "Range", select option by press ▲ and ▼. Select range by press ▲ and ▼, press . "Enter" to confirm range, press "Exit" to cancel.
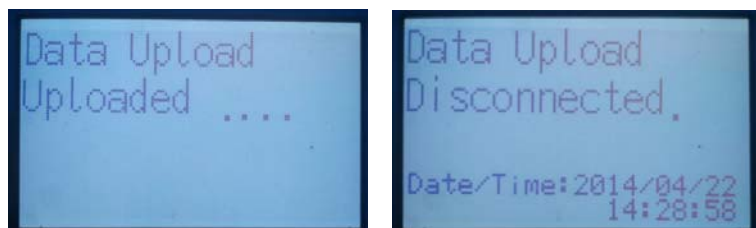
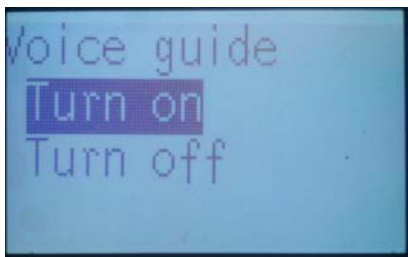5 meter detect range:(± 2 meter tolerance)

10 meter detect range:(± 2.5 meter tolerance)

15 meter detect range:(± 3 meter tolerance)

4.6 Voice Navigation

Select "Turn on" or "Turn off" by press "**Navigation"** button.

Enter to save, Exit to cancel

4.7 Volume Setting

There have 4 level volume control in system,mute,1 level,2. level,3 level. Select options by press ▲ and ▼. Enter to save, Exit to cancel

4.8 Memory Full Note

6.8.1. System can store Maximum 4000 logs. When the logs reach to 3500, the system will display "Memory will be full, please upload data in time". This message will show per hour and last 5 seconds each time.
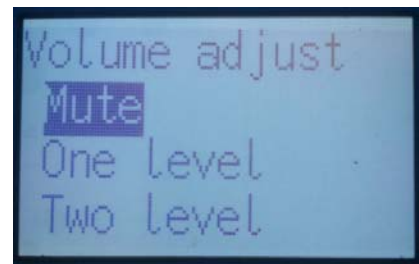
4.8.2. When the logs reach to 4000, the system will display. "Memory is full, please upload data." This message will show every 15 minutes and last 5 seconds each time.

5. Mute Button

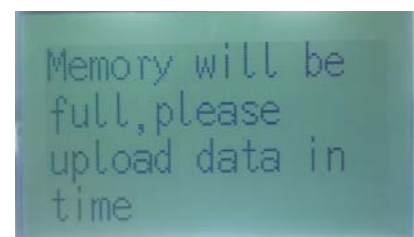RED Triangle Lights: The lights will flash when the host detects pedestrians entering the range. On normal condition, the lights will circle around.

MUTE: Just press the MUTE button if you want to silence the alarm speaker. But the alarm light will keep flashing under mute condition until the pedestrians leaving the range. Once any other personnel tag enter the range, the alarm system will active automatically.

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be

installed and operated with a minimum distance of 20cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.