ZENDA Manager User Guide

Applicable Model: ZD-VT1

Change History

File Name	ZENDA Manager User Guide	Created By	Owen Cheng
Project	ZD-VT1	Creation Date Update Date	2016-01-18 2016-02-02
Subproject	User Guide	Total Pages	11
Version	V1.0	Confidential	External Documentation

Contents

1 Copyright and Disclaimer

The user manual may be changed without notice.

Without prior written consent of ZENDA, this user manual, or any part thereof, may not be reproduced for any purpose whatsoever, or transmitted in any form, either electronically or mechanically, including photocopying and recording.

ZENDA shall not be liable for direct, indirect, special, incidental, or consequential damages (including but not limited to economic losses, personal injuries, and loss of assets and property) caused by the use, inability, or illegality to use the product or documentation.

2 Product Overview

The ZENDA Manager software is used to configure parameters, read traces, and implement data backup and restoration for ZENDA terminals.

3 Hardware and Software Requirements

- Desktop or laptop whose system is Windows XP, Windows Vista, Windows 7, or Windows 8
- 1 USB cable

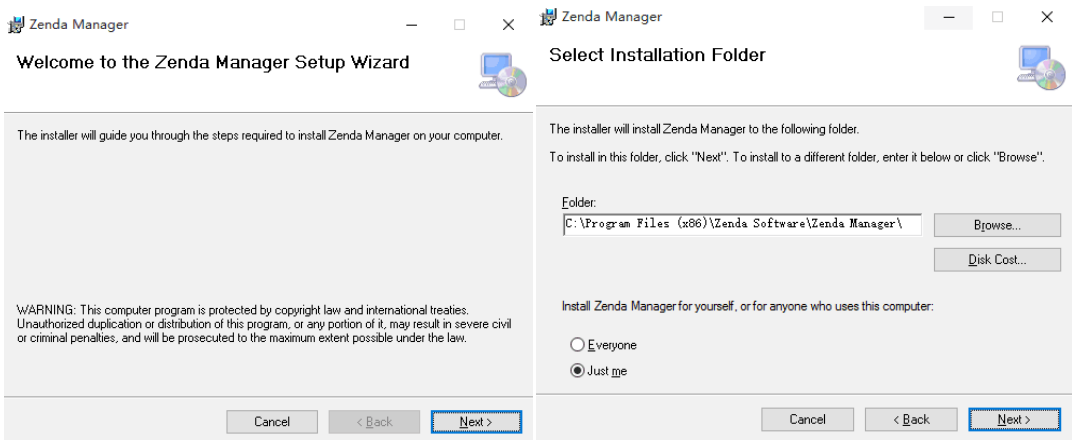
- USB232 driver
- ZENDA Manager

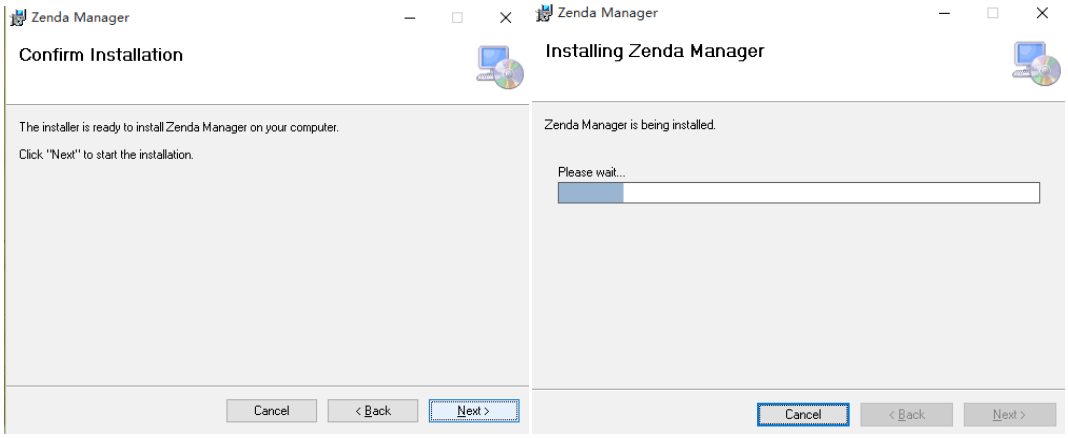
Note: Please visit http://www.zendagps.com/manual/ to obtain all related files.

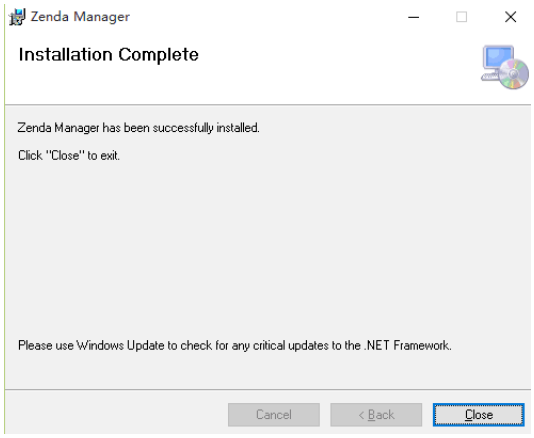
4 Installing and Running ZENDA Manager

1. Run **PL2303_Prolific_DriverInstaller** to install the USB232 driver.
2. Install ZENDA Manager as prompted.

   ZENDA Manager requires **.Net Framework 4.0** to be installed. If it is not installed, the system will prompt to do so.







3. Connect the ZD-VT1 to the computer by using a USB cable.

The ZD-VT1 will turn on automatically upon connecting to the computer. You are advised to turn off the tracker while it will not be used.

4. Run ZENDA Manager. If the tracker is connected to the computer successfully, ZENDA Manager will automatically detect the tracker port number and model and read all tracker parameters.

(If the tracker is connected successfully, ignore the following part.)

If no tracker is connected to the computer, run ZENDA Manager, select a tracker model from the drop-down list, and click **Go to Main Form**.

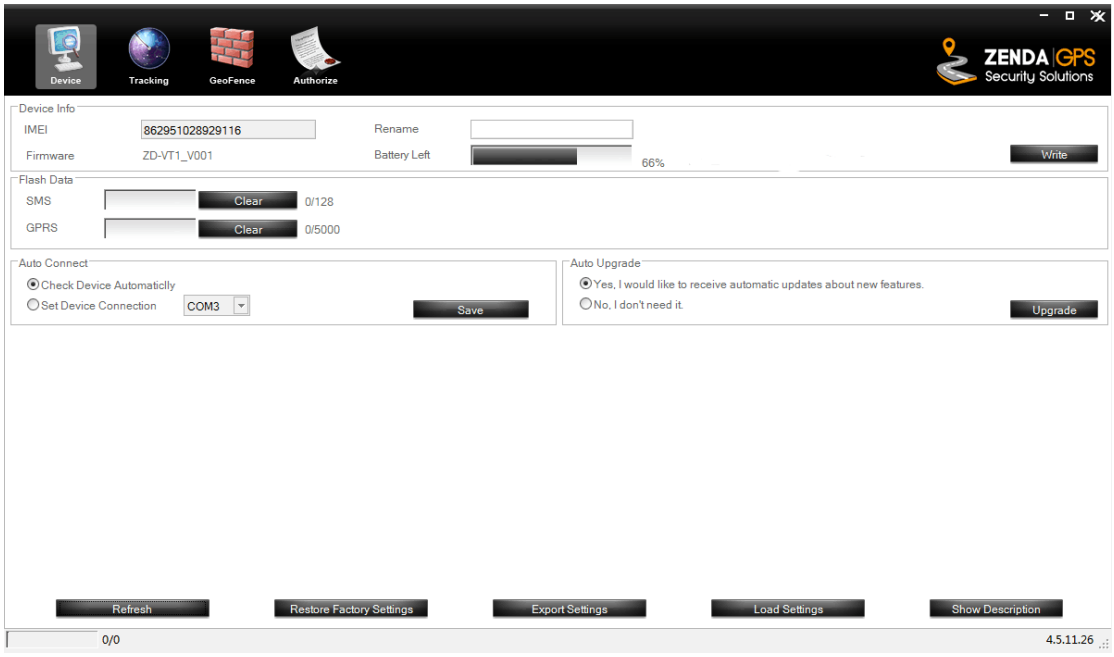
If you select **Auto Choose**, a specified page will be displayed.

5 Functions

This chapter describes the ZENDA Manager functions.

5.1 Tracker Information

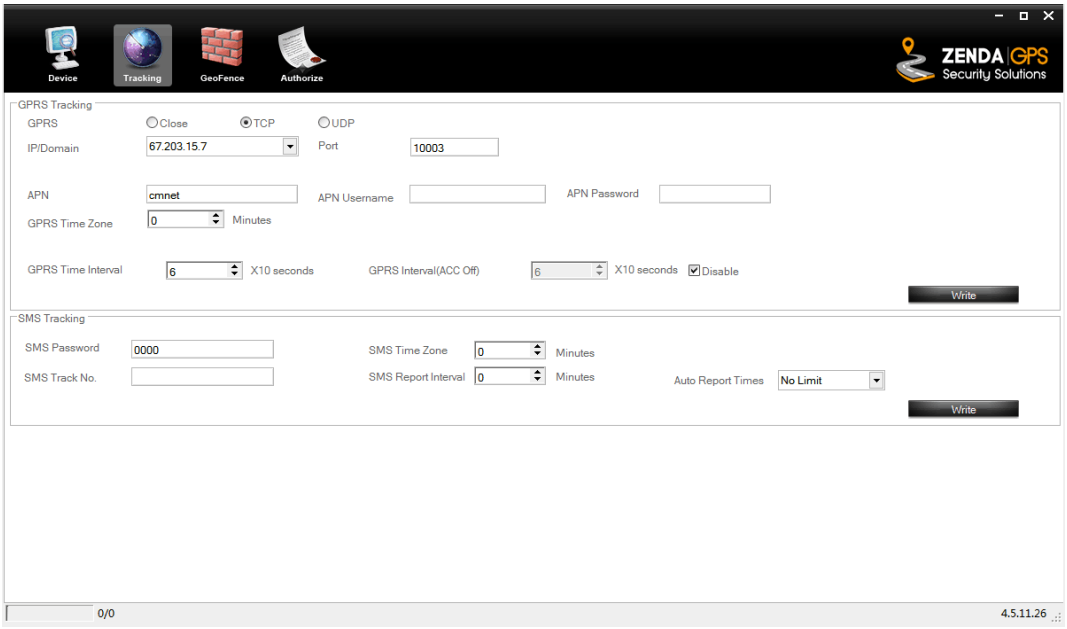
The following is the **Device** Page of the ZD-VT1:



Parameter	Description
IMEI	Indicates the tracker's IMEI number. It is a unique number for the GPS tracking system and cannot be changed.
Rename	Used to identify trackers, not for data transmission.
Firmware	Includes the firmware version, tracker model, and firmware creation date. When new official firmware is released, you can compare the new firmware with the existing firmware, and then check whether an upgrade is required. This field cannot be edited.

Battery Left	Indicates the remaining capacity of the internal battery and displayed by percentage.
Buffer	Indicates the quantity of GPRS data that is not sent successfully. Displayed in the form of "*Cache quantity*/*Total data capacity*". You can click **Clear** to clear all caches. Cached data will be sent again when the GSM signal recovers.
SMS	Indicates the number of SMSs that are not sent successfully. Displayed in the form of "*Cache quantity*/*Total data capacity*". You can click **Clear** to clear all caches. Cached data will be sent again when the GSM signal recovers.
Auto Connect	There are the following two modes: ● Automatically detect the port: After the driver is installed correctly and the tracker is connected, the computer will automatically detect the corresponding port and the port will be automatically used for ZENDA Manager. ● Manually select the port: If the port cannot be automatically detected, manually select the port.
Auto Upgrade	There are two upgrade methods: **Yes, I would like to receive automatic updates about new features**: When the software starts, the server will automatically compare the latest version. If the latest version exists, the software will be automatically upgraded. You are advised to select this option and ensure that the network is connected. **No, I don't need it**: Select this option if customized software is used or you do not want to upgrade software. Click **Upgrade** to manually compare the software version with the server. If there is new software, the software will be upgraded.
Refresh	Read the latest parameters from the tracker to check whether edited parameters are saved successfully.
Restore Factory Settings	Restore all tracker parameters to initial settings.
Save Settings	Save all parameters of the tracker as a file. The parameter configurations can be used for another tracker.
Loading Settings	Read the parameter file saved before. If the file is read successfully, a dialog box asking whether to apply to the current device is displayed. If yes, you had better rename the device.
Show Description	After you click **Show Description**, fonts of some functions will be in bold type. When you move your mouse over the bold feature, the corresponding description will be popped up. The description is hidden by default.
Write	Write values of the parameters in the column to the tracker. If you do not want to affect parameters in other columns, click the button.

5.2 Tracking

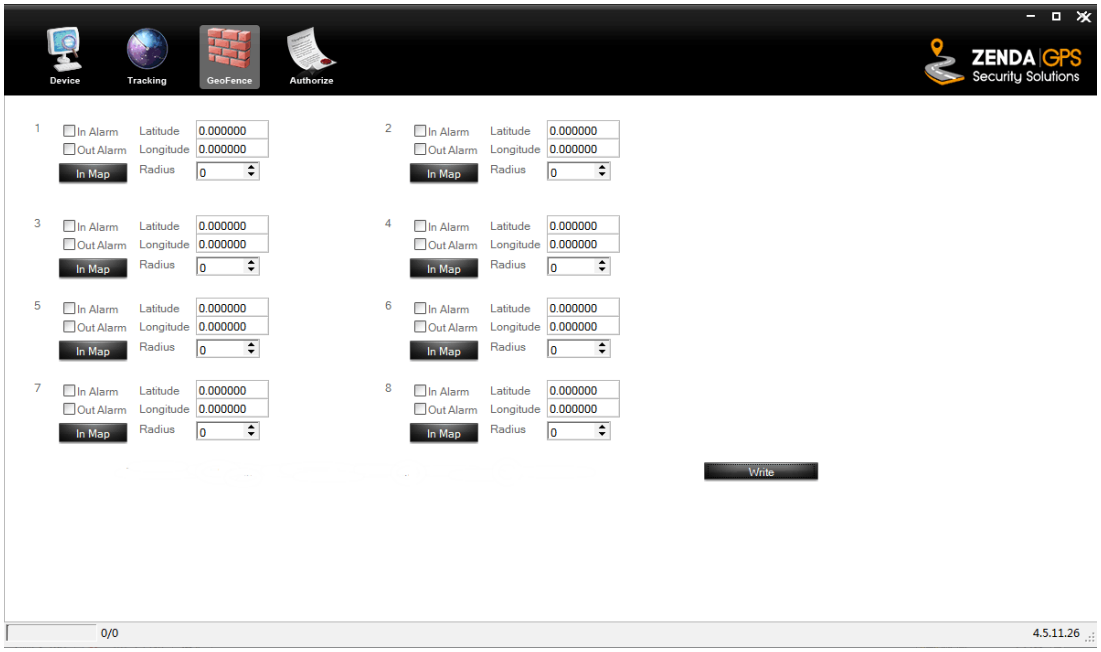


Parameter	Description
GPRS	**Close**: Disable the GPRS scheduled uploading function. **TCP**: It is a reliable connection mode. You are advised to select this option. **UDP**: It saves traffic but is not reliable.
IP/Domain and **Port**	Set the active server IP address and port. You can set the IP address to **67.203.15.10** and port to **10003**.
APN, **APN Username**, and **APN Password**	Each parameter has a maximum of 32 bytes. If parameters **APN Username**, and **APN Password** are empty, leave **APN** blank. *The default APN is CMNET. You should set the APN according to your SIM card's operator.*
GPRS Time Zone	When **GPRS minute** is **0**, the time zone is **GMT 0** (default time zone). When **GPRS minute** is a value ranging from -32768 to 32767, set time zones.
GPRS Time Interval	Set the GPRS data uploading interval.
GPRS Interval (ACC Off)	Set the GPRS data uploading interval when ACC is off.
SMS Password	Indicates the password used for sending an SMS command. Default value: **0000**
SMS Time Zone	The default tracker time zone is GMT 0. You can run a command to change the SMS time zone to the local time zone. The SMS time zone is different from the GPRS data packet time zone. When **SMS minute** is **0**, the time zone is **GMT 0** (default time zone). When **SMS minute** is a value ranging from -32768 to 32767, set time zones. The unit is minute. For example, set the Beijing time zone to **480**.
SMS Tracking No.	**SMS Tracking No.**: indicates the phone number receiving scheduled SMSs. **SMS Report Interval**: Report a location at an interval by SMS. When the interval is **0** (default value), disable the scheduled SMS reporting function. When the interval is a value ranging from 1 to 65535, set an interval. The unit is minute. When the number of reporting times is 0, data has being reported.

	When the number of reporting times is a value ranging from 1 to 255, set the number of reporting times. When the value is reached, reporting stops.
Write	Write values of the parameters in the column to the tracker.

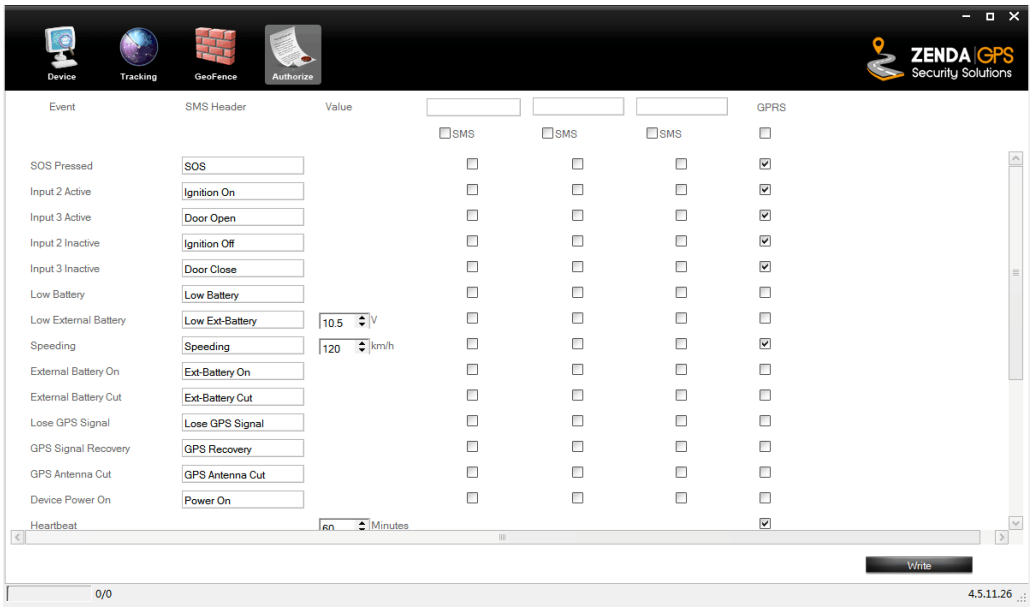
For details about GPRS settings, see the *ZENDA SMS Protocol* and *ZENDA GPRS Protocol*.

5.3 Geo-Fence



Parameter	Description
Geo-fence	A geo-fence is a circle. A maximum of eight geo-fences are supported. Enter a geo-fence: If you select **In Alarm**, an alarm is generated when the tracker enters the preset geo-fence. Exit a geo-fence: If you select **Out Alarm**, an alarm is generated when the tracker exits the preset geo-fence. You can enter values in **Latitude**, **Longitude**, and **Radius**, or click **In Map** to draw a geo-fence.
Write	Write values of the parameters in the column to the tracker.

5.4 Authorization



Parameter	Description
Event	The selected event report will be sent to the server through GPRS. For details, see the *ZENDA GPRS Protocol* and *ZENDA SMS Protocol*. For details about event descriptions, see the following table.
Value	Indicates an event value. For example, set the speeding event value to 50 km/h. When the driving speed exceeds the preset value, a speeding alarm is generated.
Check box under GPRS	Select check boxes as required. After that, if a selected event occurs, a GPRS event report will be sent to the server. Note: You can select the first check box, that is, select all events.
Write	Write values of the parameters in the column to the tracker.

Example: event descriptions

If a check box is selected, the event report will be sent to the server through GPRS.

Event	Description
Input 1 Active (SOS Pressed)	An alarm is generated when input 1 is activated (or the SOS button is pressed).
Input 2 Active	An alarm is generated when input 2 is activated. SMS header: Ignition On
Input 3 Active	An alarm is generated when input 3 is activated. SMS header: Door Open
Input 2 Inactive	An alarm is generated when input 2 is not activated. SMS header: Ignition Off
Input 3 Inactive	An alarm is generated when input 3 is not activated. SMS header: Door Close
Low Battery	An alarm is generated when the voltage of the internal battery is lower than 3.6 V.

Low External Battery	An alarm is generated when the voltage of the external power supply (vehicle battery) is lower than the preset value. You can change the preset voltage in the **Value** column.
Speeding	An alarm is generated when the tracker speed exceeds the preset value. You can change the preset speeding value in the **Value** column.
Enter Geo-fence	An alarm is generated when the tracker enters the preset geo-fence.
Exit Geo-fence	An alarm is generated when the tracker exits the preset geo-fence. You can change the geo-fence value in the **Value** column.
External Battery On	An alarm is generated when the vehicle battery connects to the tracker.
External Battery Cut	An alarm is generated when the vehicle battery power is cut off.
Lose GPS Signal	An alarm is generated when the tracker enters the GPS blind spot or no GPS signal is received.
GPS Signal Recovery	An alarm is generated when the tracker exits the GPS blind spot or a GPS signal is received.
GPS Antenna Cut	The external GPS antenna is not connected or is cut off.
Device Reboot	An event report is sent when the tracker starts.
Heartbeat	Enable the heartbeat report function. You can change the heartbeat packet interval in the **Value** column.
Heading Change	Enable the heading change report function. When the driving angle exceeds the preset value, a heading change report will be sent. You can change the driving angle in the **Value** column.
Track By Distance	Track by distance You can change the distance in the **Value** column.
Tow	When the tracker enters the deep sleep mode, if the vibration duration exceeds the preset value, a towing alarm is generated. You can change the vibration duration in the **Value** column.
Armed	An event report is sent when the arming mode is successfully set for the tracker.
Disarmed	An event report is sent when the disarming mode is successfully set for the tracker.
Stealing	In arming mode, if the input is activated, it means that the vehicle is stolen. In this way, an alarm is generated.

For details about GPRS settings, see the *ZENDA SMS Protocol* and *ZENDA GPRS Protocol*.