

Track Forever Enterprise Gateway Control Center Application



User Manual Draft

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INVINCIBLE TECHNOLOGIES (SMC-PVT) LTD

Invincible People, Invincible Technologies & Invincible Solutions
We develop solutions that reach beyond physical boundaries using state of the art internet,
intranet, GSM, GIS, GPS and related technologies.

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1. Introduction

Track Forever™ is an enterprise grade GSM/GPRS based GPS asset tracking software solution that help corporations of all scales to track their immovable or moveable assets (rails, truck, car, bikes, bicycles etc) in an automated and efficient way. By using this software user can administrate, monitor, communicate, regulate and control fleet. Most of the tasks are automated and require less human interaction.

2. Track Forever Enterprise Gateway

This is control center software application and is a subsystem of Track Forever Enterprise Software Suite. This software package “Track Forever Gateway” is related to SMS transmission and reception via Modem. In this document we'll learn how to how to install and configure this application.

3. Installing Software

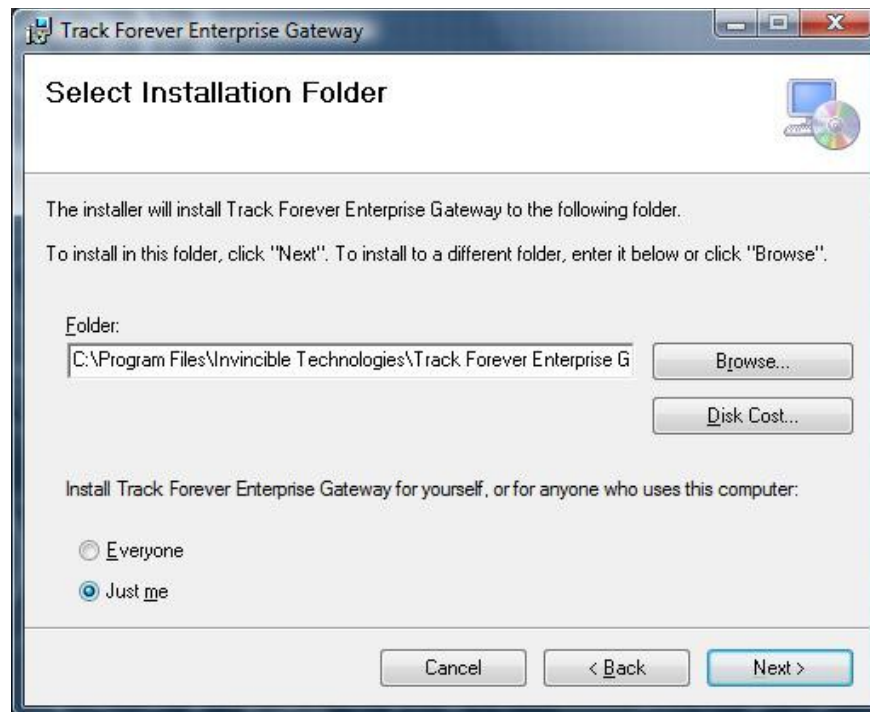
Track Forever Enterprise Gateway setup wizard is simple and easy featuring a standard Microsoft Windows setup interface for 32bit and 64bit machines. User only needs to complete a few steps.

- 1) Double click on the setup.exe (or similar file name) file on the CD-ROM. This will launch the Setup Wizard.

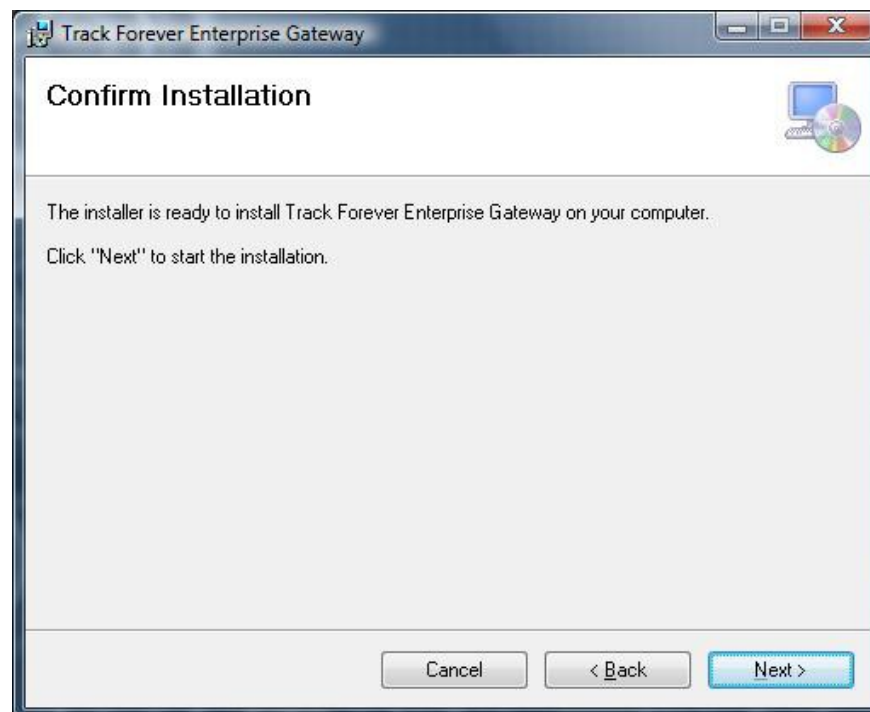


- 2) Click Next on the Window Screen.

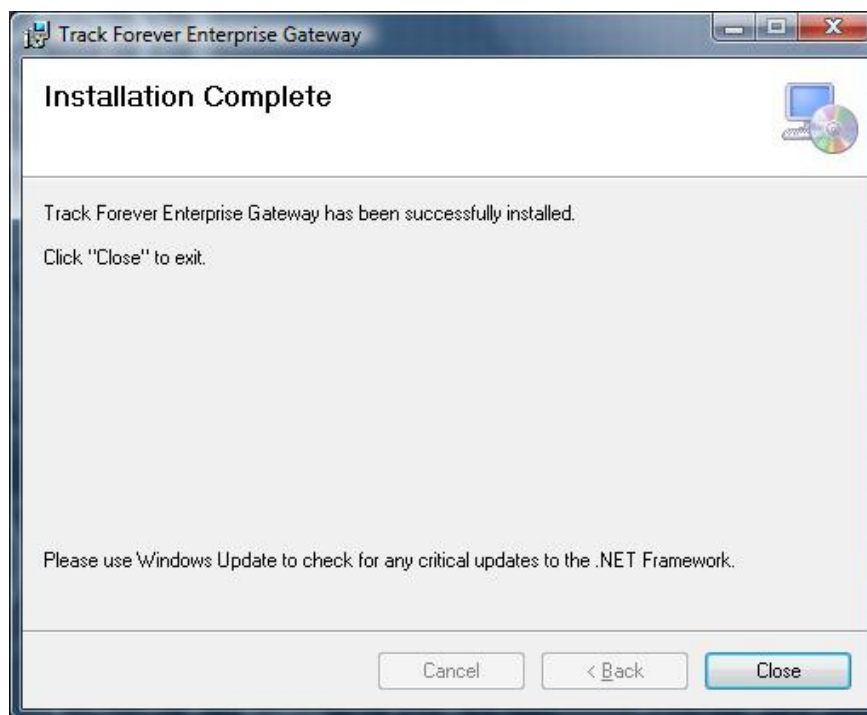
3) Select installation folder and click “Next” button.



4) Confirm installation by clicking on the “Next” button.



- 5) Track Forever Enterprise Gateway will now install the program files. If there were no problems during installation, user will see the installation complete screen.



4. Uninstalling Software

- 1) You may uninstall software via "Add/Remove Programs" in control panel.

5. Minimum Requirements

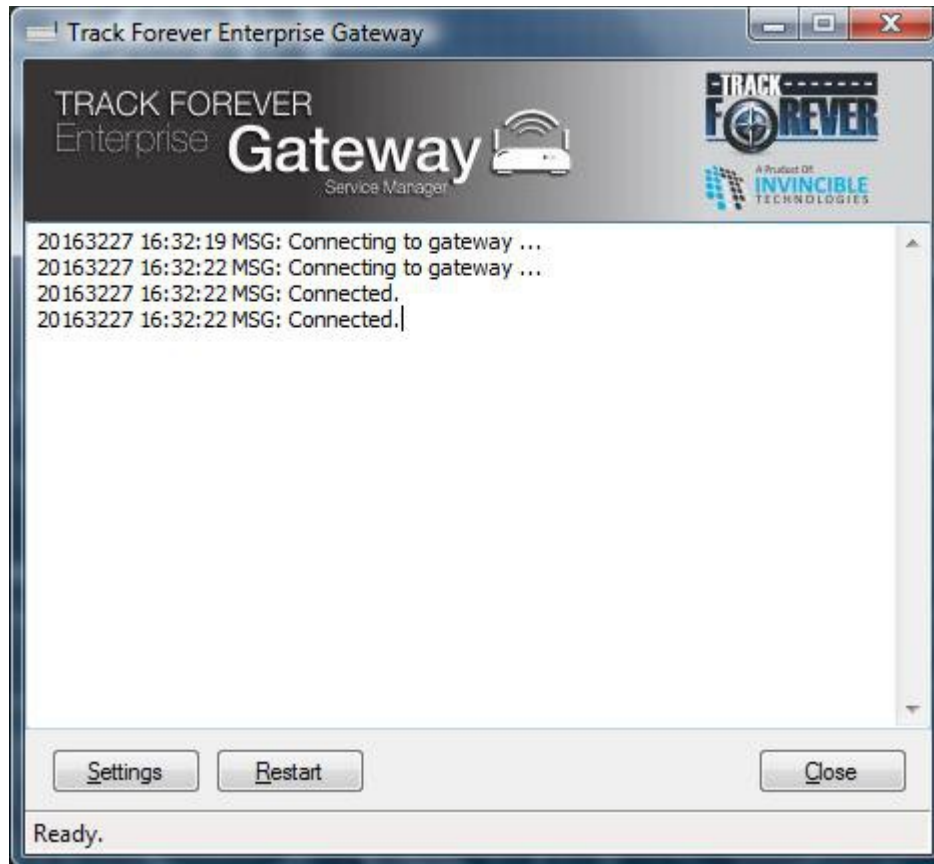
The software and hardware prerequisites for installing Track Forever on a Windows system are as follows:

- 1) Windows Server 2003/08/12, Microsoft XP, Vista, or Windows 7/8/10;
- 2) Pentium-compatible PC with 1.8GHz or better clock speed;
- 3) Minimum 512MB RAM recommended;
- 4) Up to 1 GB empty hard disk space;
- 5) 1024x768 resolution (higher resolution recommended), with 16bit or better color depth.

6. Running Application

After successful installation, user may start application by clicking “Track Forever Enterprise Modem” icon placed on desktop or by clicking “start->all programs->invincible technologies->track forever enterprise modem” menu item. This will load “Track Forever Enterprise Gateway” form as shown below in fig. 6.1.

Note that this software package installs as windows service “Track Forever Enterprise Gateway”.



(6.1)

- 1) User may start, stop or restart “Track Forever Enterprise Gateway” via “Services” in “Administrative Tools”. Or by using “Application → Start Service” and “Application → Stop Service” menu items upon pressing “Alt + A”.
- 2) User may also restart “Track Forever Enterprise Gateway” via pressing “Restart” button on the “Track Forever Enterprise Gateway” form.

7. Settings

In order to configure “Track Forever Enterprise Gateway”

- 1) Press “Settings” button on the form displayed in fig. 6.1.
- 2) “GSM (SMS) Gateway Settings” form will be displayed as shown in fig. 7.1.
- 3) Edit settings and press “Apply” button to save changes.

Misc	
Baudrates	230400
ComPorts	COM39
EnableHandshake	True
EnableSecurity	False
GatewayPassword	0000
Gateways	REM_...
GatewayTypes	commands
GsmFilter	
HPQueuePollTime	20
IP	...
LPQueuePollTime	20
Port	51992

Baudrates

Apply Close

Ready.

(7.1)

- 4) Press “Restart” button to restart the service.
- 5) “Track Forever Enterprise Gateway” service will restart, and if the settings were correct it will display “Connected” message in the messages list as shown in fig. 6.1.

8. Multiple Modems

Multiple modems can work with one installation of modem server (or console server). Check ".config" file in installation folder for sample configurations of how to setup multiple modems on same workstation as displayed in figure 8.1. Use either Modem Service or Modem Console Application to work with com port enabled GSM modems.

```
<add key="usefile" value="yes"/>
<add key="ip" value="127.0.0.1"></add>
<add key="port" value="51992"></add>

<!--<add key="sims" value="sim1"></add>
<add key="gateways" value="gateway1"></add>
<add key="comports" value="COM20"/>
<add key="baudrates" value="115200"/>
<add key="gatewaytypes" value="commands"/>-->
<add key="sims" value="+923000000001,+923000000002"></add>
<add key="gateways" value="REM_CMD,REM_SMS"></add>
<add key="comports" value="COM20,COM5"/>
<add key="baudrates" value="115200,115200"/>
<add key="gatewaytypes" value="commands,sms"/>

<add key="usebuffer" value="no"/>
<add key="enablehandshake" value="no"/>
<add key="pdu" value="no"/>
<!--value in seconds.-->
<add key="smstimeout" value="15"/>
<add key="serialtolerance" value="2"/>
```

(8.1)

User may install multiple modem server (or console server) on single workstation installation basis.

9. Administrator Settings

Gateway ids (like REM_CMD, REM_SMS) must be configured in "Track Forever Enterprise Administrator" application with interface types (remotesms, or remotecommands). Typically user must configure gateway_id, gateway_title, sim_no, port (optional as it is obsolete for Modem Server) and interface types. Read "Track Forever Enterprise Administrator" user manual for modem settings.

In order for "Track Forever Modem Server" work, it is important that administratively configured gateways must match with registry or local .config file settings of modem server, for example gateway ids and sim numbers should be equal. Gateway types (commands, sms) must match with interface types (remotecommands, remotesms) in order.

For support and product related inquiries please write at support@invincibletec.com