

TR-151A /TR-151E

Vehicle/Asset Tracker

Quick Start Guide

Version **0.1**

Install SIM card and Battery



- Use a coin or screwdriver to loosen the screw on back cover.

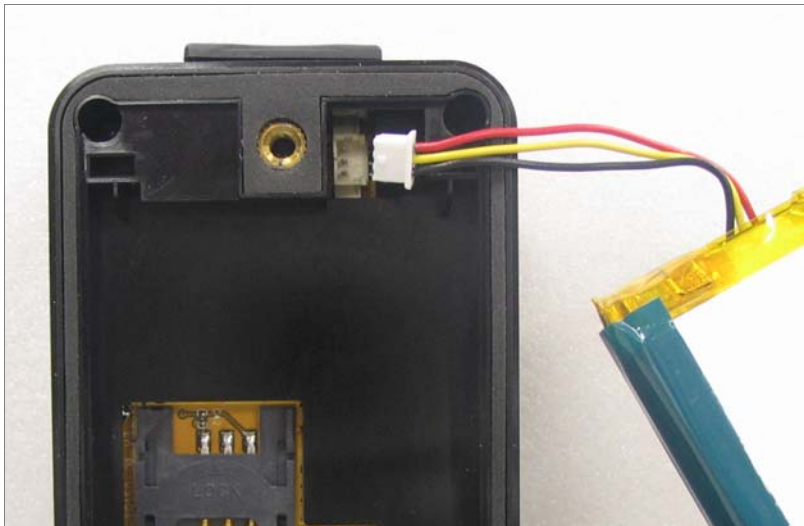


- Lift up the back cover and remove it as the direction shown.

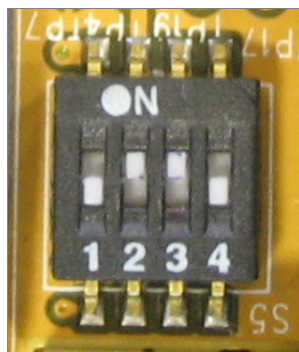


- Push forward the cover of SIM card slot to the position marked with “OPEN”. Then lift up the cover
- Insert the SIM card with its metal contacts facing down and the cut corner at the top left.

Note: Before installing the SIM card, please disable the SIM PIN protection function (asks SIM PIN entry while turn on the device) by your cellular phone.



- Plug the battery connector into socket. Be aware that the **red wire** must be plugged on the top side.



- Set DIP switch 2 and 3 to ON position.

Install the USB driver



- Insert the Driver CD into your CD-ROM driver. AutoRun installation window will appear. Click "Install USB Driver" button to install the USB driver.

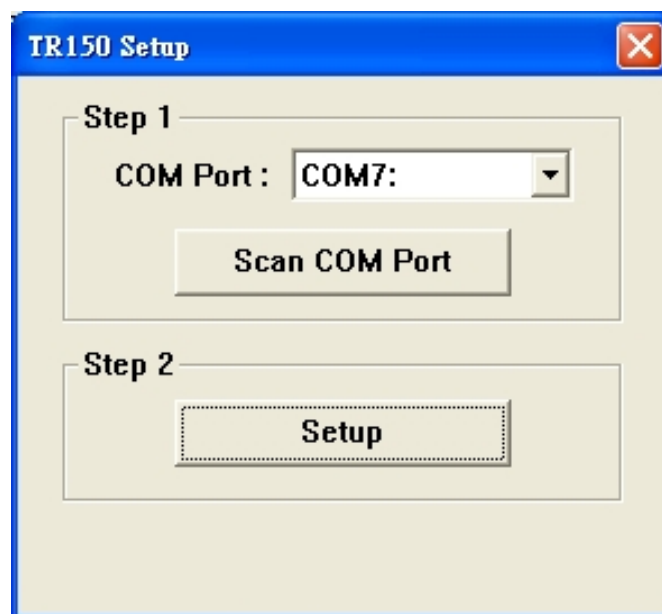
Install the Call Center program



- Click "Install PC Software" button to install the Call Center program. Follow the instruction to complete the installation process.

TR-151 Setup

- 1.) Connect the USB cable to TR-151 and the USB port on your PC.
- 2.) Press power button 3~4 seconds to turn on the power of TR-151. The status LED will emit red light indicating it has already entered the setup mode.
- 3.) Start Call Center program.
- 4.) Click **Device > TR151 Setup** to select the COM port. If you are not sure about which COM port to use, please click "Scan COM Port" button to automatically scan it. Then click "Setup" button to enter setup window.



Setup File

Information

Firmware Version : TR-151 v.test_2.06 by Nat Lin 070927(F-0TR-0Q-0710111)

Module IMEI : 352022004442958 Set Time Zone : On

User Name : Phone Number :

Park Mode Setting

Park Time : 30 Park Interval : 60

Park Number of Reports : 1

Park Return Phone Number : 0910190643

SMS Default Return Phone Number

☐ SMS Default Return Phone Number :

Maximum GPS Fixing Time

Maximum GPS Fixing Time : 3

Default Report Mode Setting

Default Report Mode : Stop Report Report Interval : 30

Report Format : Format 1 Number of Reports :

Return Phone Number for Default Report Mode : 0910190643

SOS Number

SOS Number 1 : 0910190643 SOS Number 2 :

SOS Number 3 :

Sleep Mode Setting

Sleep Time : 12 Sleep Interval : 60

Sleep Number of Reports : 1

Sleep Return Phone Number : 0910190643

GPRS Setting

GPRS Port : GPRS apn :

GPRS user name :

GPRS user password :

GPRS_dns1 : GPRS_dns2 :

GPRS Server Host Name :

OK Reset Default Cancel

- 5.) Write down the Module IMEI of your TR-151, you may need it later. Enter the information in "User Name", "Phone Number", and "SOS Number" fields.
- 6.) Press "OK" button and then unplug the USB cable from PC and TR-151.
- 7.) Press power button to turn off TR-151.
- 8.) Set DIP switch 3 to OFF. (That is, set switch 2 to ON, switch 1,3,4 to OFF)

Getting Started

SOS function

Step 1	Power on	▪ Red Status LED will flash 2 times. ▪ GSM LED begins to flash once per second. After TR-151 finish registration process in a few second, the LED will flash once per 3 second. (Note 1) (Note 2) ▪ GPS begins to get position fixed. GPS LED will be on.
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Step 2	Press SOS button for 3 seconds.	▪ Red Status LED will flash 3 times.
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If GPS has fixed its position, you will receive a message in the format shown on right indicating the position is fixed. If the position can not be fixed within 3 minutes, you will also receive a “GPS not fixed” message.

Position report
Name
2006/9/15 10:20:39
N2459.8915,E12129.2186
GPS fixed

(Note 1): If error occurs during power on stage, the red status LED will flash 4 times quickly and then shut down. This might result from:

- Configuration file error or setup not completed.

Solution → Please repeat the setup processes described above.

(Note 2): If error occurs during power on stage, the GSM blue LED continually flashes once per second. This might result from:

- Need to enter SIM PIN.

Solution → Please turn off the power, disable the SIM PIN entry function by hand phone and restart it again.

Send command to TR-151

Step 1	Power on	- Red Status LED will flash 2 times. - GSM LED begins to flash. - GPS begins to get position fixed. GPS LED will be on.
Step 2	We will have a "Period Report" example here. (Note 3) Edit a short message command in your mobile phone. Suppose your mobile phone number is 626123456, the IMEI you just write down is 355632002593292, you require a 60 interval continuous report by format1. Then you should compose a short message as shown on right table. Press "Send" to send out the short message from your mobile phone.	?1,355632002593292,60,0,1,626123456!
Step 3	When TR-151 receives the short message command, it will send back a confirmation message. (See example on right table). TR-151 starts to fix its position.	?1,355632002593292,OK! GPS green LED will be on.
Step 4	If position is fixed, you will receive position information from TR-151 in about 10 seconds later.	?355632002593292,1,1,280807,035825,E12129.2616,N2459.7918,97.2,0.13,142.31,04,2.4!
	If position is not fixed, you will receive "not fixed" information from TR-151 in about 10 seconds later.	?355632002593292,1,1,000000,000000,E0,N0,0,0,0,0,0!
Step 5	If position is fixed, you will receive position information from TR-151 every 10 seconds interval.	?355632002593292,1,1,280807,035825,E12129.2616,N2459.7918,97.2,0.13,142.31,04,2.4!
	If position is not fixed, you will receive "not fixed" information from TR-151 every 60 seconds interval.	?355632002593292,1,1,000000,000000,E0,N0,0,0,0,0,0!

(Note 3): This example is for "Period Report", if you want to use other type of report, please refer to user manual.