
IntelliTrac X1



Hardware Installation Guide

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Status: Preliminary

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1 Hardware Installation

1.1 Install SIM card

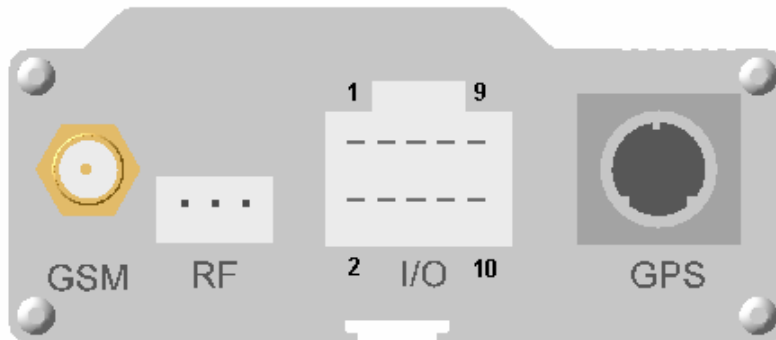
Press the yellow button to eject the SIM card holder and insert the SIM card. If you would like to disable the PIN code, please use regular GSM cellular phone to disable the PIN code in advance.



1.2 Install Cables

Install I/O cable

The I/O cable is a 10-wires cable which includes power and positive/negative inputs and outputs ports.



The pin assignment of the I/O cable shown below :

| Pin Number | Description |
|------------|------------------------------|
| 1 | DC power source (0V ~ 30V) |
| 2 | Ground |
| 3 | Input1 (ACC Input) |
| 4 | Output1 |
| 5 | Input2 |
| 6 | Output2 |
| 7 | Input3 |
| 8 | Output3 |
| 9 | Input4 |
| 10 | Output4 (Internal 2A Relay) |

Install GSM Antenna

Connect the GSM antenna to the SMA connector with the “GSM” text labeled.

Install GPS Receiver

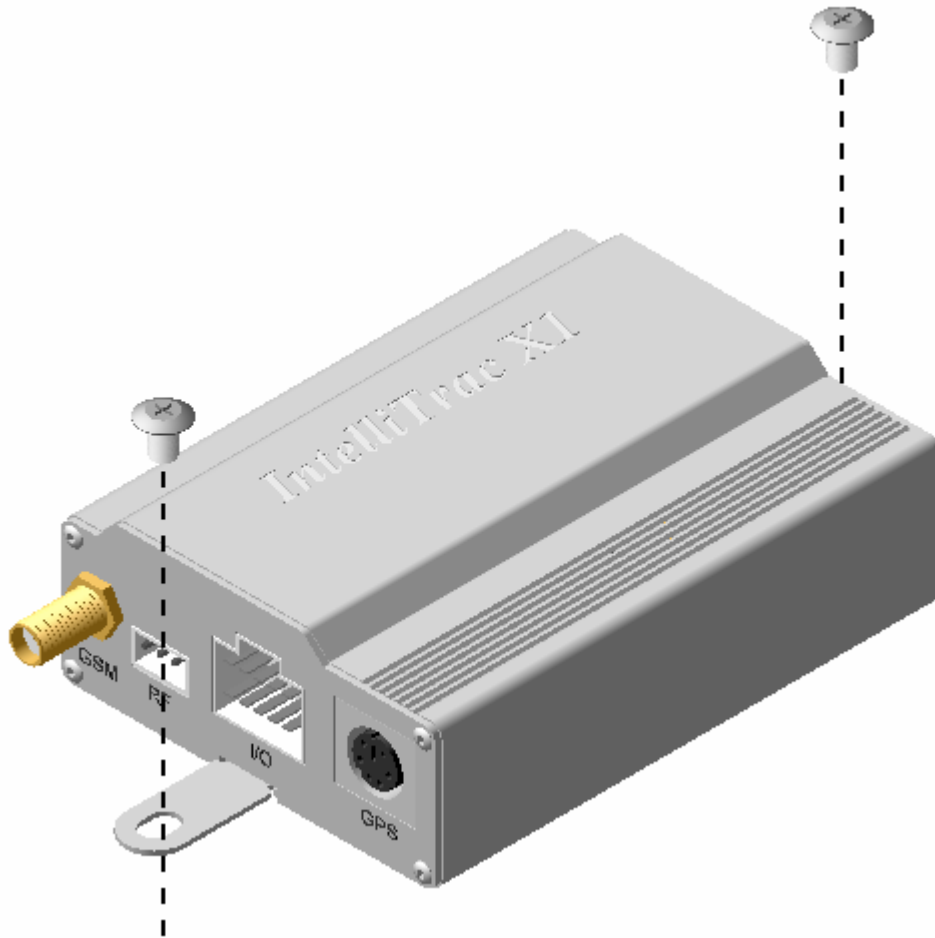
Connect the GPS receiver to the Mini DIN connector with the “GPS” text labeled. Use a nylon cable tie to prevent unexpected come off.

Install RF Receiver (Optional)

Connect the RF receiver to the 3 pins connector with the “RF” text labeled.

1.3 Mounting the unit

For mounting the unit, bind to the body the holding bridles according the schema below :



1.4 LED Indicators Description

| PWR LED Status | Function |
|-----------------------|---|
| Off | Power off |
| 20 ms On / 2 secs Off | The device is running in power saving mode. |
| 500ms On / 500ms Off | Reset procedure is in progress |
| 20ms ON / 20ms Off | Upgrade firmware is in progress |
| On | Power on |

| GPS LED Status | Function |
|----------------------|---|
| Off | The GPS is off or running in power saving mode. |
| 1 sec On / 1 sec Off | No GPS satellites signal received |
| On | GPS Ready |

| GSM LED Status | Function |
|------------------------|---|
| Off | The device is off or running in deep sleep mode. |
| 100 ms On / 1sec Off | No SIM card inserted, no PIN entered, network search in progress, or network login in progress. |
| 100 ms On / 3 secs Off | Logged to network. |

1.5 About Systems & Technology Corporation

IntelliTrac X Series AVL device is produced by Systems & Technology Corporation. The company is a key developer and supplier of advanced systems in the Automatic Vehicle Location (AVL), Digital Map and Car Navigation Systems.

If you need information on other maps solutions or products, please contact us at the phone and fax numbers listed below, or visit our web sites.

Contact Information for System & Technology Corp.



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