
IntelliTrac X1



Hardware Installation Guide

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Status: Preliminary

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1 Hardware Installation

1.1 Install SIM card

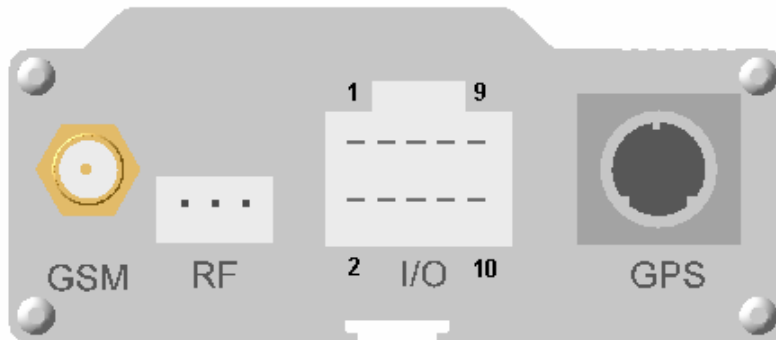
Press the yellow button to eject the SIM card holder and insert the SIM card. If you would like to disable the PIN code, please use regular GSM cellular phone to disable the PIN code in advance.



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

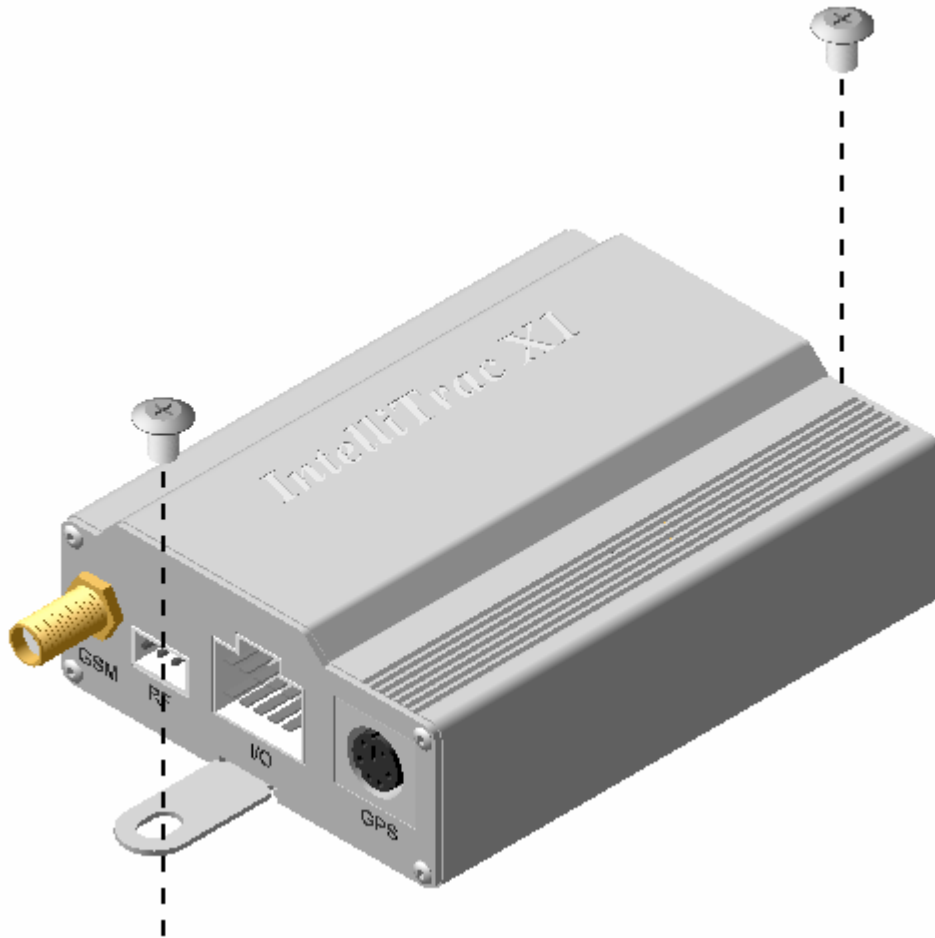
Connect the GPS receiver to the Mini DIN connector with the “GPS” text labeled. Use a nylon cable tie to prevent unexpected come off.

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.

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