

Tell me.

Motorcycle Security System

It's LIVE
Vehicle Tracking
Anytime,
Anywhere
in
REAL TIME

REAL TIME GPS TRACKING AND MONITORING SYSTEM

User's Guide
Installation and Operating Instructions



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Thank you for purchasing our “DiyTracker”

Each unit has been manufactured to the highest quality to ensure reliability and ease of use.

Before Installing

This guide covers the installation of the DiyTrack device to ensure a safe and functional install of the unit by either a Professional or novice installer

Prior to the installation process, thoroughly review this guide and adhere to the following:

- Use only a Digital or Analog Volt Meter - DO NOT USE TEST LIGHT!
- Check for possible installation locations for the tracker unit prior to permanent installation.
- Make sure that the installation process does not cause damage to any motorcycle hose, electrical loom, or cause physical damage to the motorcycle
- Make note of the unit mobile and serial numbers prior to installation.
- Prior to installing this device, disconnect the motorcycle battery
- Make sure the device and all associated cables are securely mounted and do not impede any of the motorcycles's controls.
- Ensure all connections are properly soldered and insulated, all un-used cables must be properly insulated.
- Use high quality electrical tape and shrink tubing where necessary
- Refer to the Owners Manual and to a Shop Manual of the motorcycle for specific information related to the electrical wiring, panel disassembly, and any other mechanical aspects of the motorcycle

GPS Fundamentals

There is a minimum of 24 operational GPS satellites at all times. The satellites, operated by the U.S. Air Force, orbit the earth every 12 hours. Each GPS satellite transmits data that indicates its location and the current time. All GPS satellites synchronize operations so that these repeating signals are transmitted at the same instant. The signals, moving at the speed of light, arrive at a GPS receiver at slightly different times because some satellites are farther away than others. The distance to the GPS satellites can be determined by determining the amount of time it takes for their signals to reach the receiver. When the receiver determines the distance to at least four GPS satellites, it can by triangulation, calculate its position in three dimensions.

To ensure the GPS unit receives enough satellite signals at an acceptable signal strength, it must be mounted so that it has a clear view of the sky. In hidden locations, such as under the fairing or seat, it is important to keep any metal interference as far as possible from the top portion (map picture) of the GPS unit so that the most accurate position can be calculated.

While GPS data collection has improved in ease and speed, some obstacles remain. Solid or dense objects can block GPS signals. Wet trees with heavy branches and leaves can mask or attenuate GPS signals. Mountains and buildings can block satellite transmission. Multipath signals can corrupt GPS data. Multipath is a reflected signal from some nearby objects. The resulting propagation delay can affect measurement accuracy. GPS electronics advancements have reduced the multipath threat but GPS field operators and users should be aware of obvious multipath environments.

All GPS Trackers require a SIM card

To get the location data from the GPS tracking unit to a users computer some transmission channel is required.

Don't panic it will not cost a “premium”

The Tracker uses GPRS and only sends a very small amount of data.

Since it will use very little credit “Pre-Paid” is usually the most cost effective way to go

Your Tracker is already fitted with a Pre -Paid Simcard.



Contents of the Box

1. DiyTrack TellMe Tracking Unit
2. Cable Harness
3. Relay

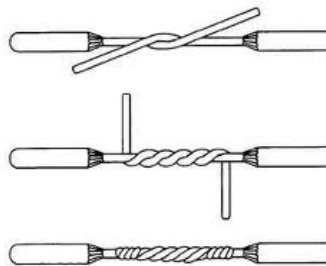
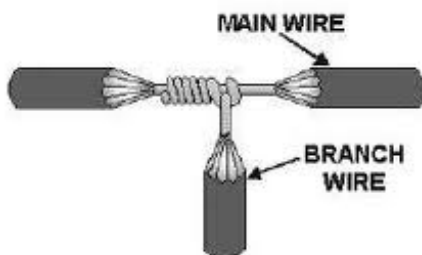
Tools Needed for Installation

- Metric and standard socket set
- Screwdriver set
- Side cutters, wire cutters
- Wire strippers
- Pliers
- Terminal crimpers
- Digital Multimeter
- Electrical tape
- Flashlight
- Soldering iron and solder



Correct wire/cable joining method

Solder and insulate all connections. *(Crimping should be avoided wherever possible.)*



WARNING It is highly recommended that a Digital Multimeter be used when probing electrical systems on a motorcycle to prevent damage to factory components.

Installing and Mounting the GPS Unit

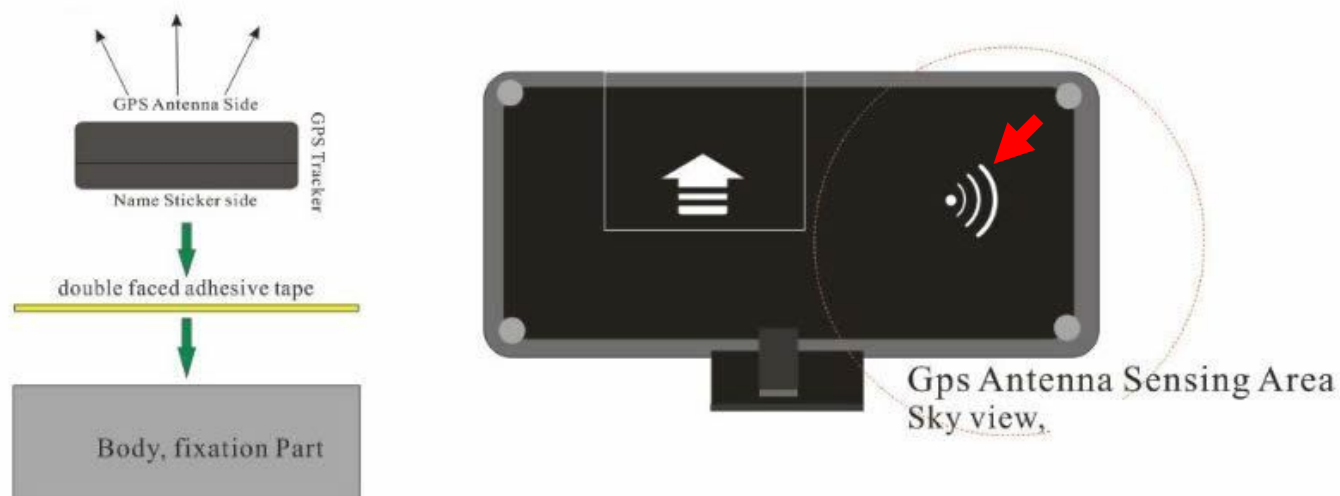
To ensure the GPS unit receives enough satellite signals at an acceptable signal strength, it must be mounted so that it has a clear view of the sky. In hidden locations, such as under the fairing or seat, it is important to keep any metal interference as far as possible from the top portion of the GPS unit so that the most accurate position can be calculated.

Ensure the "gps Antenna area" is "face up" towards the sky

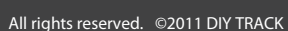
Any metal objects between the GPS Antenna Sensing Area and the satellites will degrade the signal and reduce the overall performance.

The TellMe unit can be installed in any type of motorcycle. The unit should be mounted so it will not be exposed to or get damaged from people or objects.

Use double side adhesive tape to firmly mount the unit.



WARNING Solder and insulate all connections (Crimping should be avoided wherever possible)



12/24v Power/Positive Connection (Red Wire)

Disconnect the negative terminal from the motorcycle battery to prevent a possible transient voltage surge that will damage your tracking unit. Please note warranty does not cover damage from transient voltage surge.

Securely attach the wiring harness to the Tracking unit

12-24V DC Power Connection (Red Wire)

Locate the Red wire found on the wiring harness. The red wire must be connected to a constant 12 volt source from the motorcycle to power the tracker unit.

It's important that the 12 volt power source maintains 12 volts at all times.

Ground Connection (Black Wire)

Locate the Black wire found on the wiring harness

The black wire must be connected to the negative terminal of the motor cycle battery.

Re-connect the negative terminal to the vehicle battery and proceed to the next step

Optional Connection

Switched Ignition 12/24v Connection (Yellow Wire)

This connection is used to monitor the engines on/off state. It is important that the switched 12/24v drops to (0) zero with the ignition off and restores to 12/24v with ignition on.

Locate the Yellow wire found on the wire harness supplied with your Tracking unit. The Yellow must be connected to a switched 12/24v source from the motorcycle.



How to Find (+) 12/24v Ignition with a Multi Meter

1. Set your meter to DCV or DC voltage
2. Attach the (-) negative probe of the meter to the chassis ground
3. Probe the wire you suspect of being the ignition wire. The steering column is where you should find this wire. Your meter should read (+) 0v
4. Turn the ignition key to the "ON" position. If your meter reads (+) 12/24VDC go to the next step, if not probe another wire.
5. Now turn the key to the start position. The meter display should stay steady (+) 12/24v, not dropping by more than a few tenths of a volt. If it drops close to or all the way to (0) zero, go back to step 3, If it stays steady at (+) 12/24v you have the ignition wire.

WARNING Solder and insulate all connections (Crimping should be avoided wherever possible)

After the TellMe tracking unit has been powered on for atleast 5 minutes, dial the tracker simcard mobile number that is inserted in your tracking unit. Let it "ring" 3 times then hang up.

Now send the following SMS to the simcard mobile number that is inserted in your tracking unit:

***1234*P#**

Please note the above SMS must be sent exactly like the example and all letters must be UPPER CASE

If the ITellMe tracking unit has been correctly installed and the GPS antenna has successfully fixed onto the satellites, then you will receive a SMS text message back from the TellMe tracking unit containing a "clickable" google map link showing you the current location of your motorcycle.

If no GPS fix has been acquired by the time the tests are complete, then verify that the TellMe tracking unit has been installed correctly and that there is NO metal blocking the signal between the GPS antenna and the sky and that motorcycle is outside.

SYMPTOM	CAUSES
Unit Does Not Power-up	Power is not connected to the unit. With a Digital Volt Meter, measure the voltage at the input to the unit. A positive voltage should be measured on the + terminal of the unit when measuring between the + terminal and the - terminal or chassis ground. This voltage should also measure 12/24v. Correct the wiring to assure the correct polarity and the correct voltage level.
Unit Does Not Find Cellular Service	The main cause of this is poor signal strength due to shielding. Move the motorcycle outside the building , disconnect the main power after 5min re-apply power to the unit.
Unit Does Not Receive a GPS Signal	The cause is that the GPS receiver is not locking into the satellites. The main cause is due to the unit not receiving the signal from the satellites. Make sure that the unit "face up" is facing towards the sky. If it is, then move the motorcycle outside of any building/garage to allow the GPS unit to have a clear view of the sky.

Warranty

Diy-Track warrants, to parties purchasing Diy-Track equipment directly from Diy-Track i.e., to its authorized distributors and to no other parties, that for 12 months following the date of purchase, Diy-Track equipment will be free of defects in materials and workmanship when installed, operated, maintained, and serviced in strict accordance with Diy-Track and, if applicable, the manufacturer's requirements.

If Diy-Track equipment fails because of a defect in materials or workmanship within the warranty period, Diy-Track will, at its sole option and at no charge, repair or replace it.

Diy-Track agreement to repair using new or reconditioned parts or replace with a comparable new or reconditioned Diy-Track unit is the exclusive remedy with respect to Diy-Track Equipment found to be defective in materials or workmanship; this remedy will not be deemed to have failed of its essential purpose so long as Diy-Track is willing and able to repair or replace the defective unit as provided above or, at Diy-Track sole option, to refund the purchase price paid.

Parties purchasing Diy-Track equipment from a distributor are referred to the distributor with respect to any product claims they may have.

THE FOREGOING WARRANTY IS LIMITED AND IS THE ONLY WARRANTY OFFERED.

DIY-TRACK MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, AND NON-OBSOLESCENCE. THE FOREGOING WARRANTY FURTHERMORE DOES NOT COVER DIY-TRACK DEVICES THAT (A) HAVE BEEN IMPROPERLY INSTALLED, MAINTAINED, OR SERVICED; (B) HAVE BEEN TAMPERED WITH OR DEFACED; OR (C) HAVE BEEN SUBJECTED TO ABUSE (D) TRANSIENT VOLTAGE SURGE OR A HOSTILE OPERATING ENVIRONMENT.

No Warranty – Services

ALL SERVICES ASSOCIATED WITH DIY-TRACK DEVICES INCLUDING, WITHOUT LIMITATION, NETWORK CONNECTIONS ENABLED BY DIY-TRACK, ARE PROVIDED STRICTLY AS-IS, WITHOUT WARRANTY OF ANY KIND INCLUDING, WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, NON-OBSOLESCENCE, NON-INTERRUPTION, AND FREEDOM FROM ERROR.

IN THE EVENT OF A CLAIM UNDER THIS WARRANTY THE RECEIPT/PROOF OF PURCHASE MUST BE PRODUCED TOGETHER WITH THIS WARRANTY.

Model Number: _____

Date of Purchase: _____

Place of Purchase: _____

Disclaimer

The use of a GPS vehicle tracking device to track a person without their permission could be illegal or result in a legal action against you, even if you own the vehicle. Tracking another person or their property is usually illegal without their permission and/or a warrant. You should seek legal advice before using any GPS vehicle tracking device as the regulations vary from country to country

We are not responsible for acts or omissions of any other service provider, for information provided through the equipment, for equipment failure or modification, for system failure or modification or for causes beyond our control. We are not liable for service outages, incidental or consequential damages such as lost profits, economic loss or injuries to persons or property arising from the use of or installation of Diy-Track products unless caused by the sole and gross negligence of Diy-Track

Setting alarm alert numbers

The alarm alert numbers will receive SMS alerts such as panic alert and accident alert
A total of 3 mobile numbers can be programmed into the tracking unit to receive alerts
Replace [mobilenumber] with your own mobile numbers.

***1234*A44mobilenumber*B44mobilenumber*C44mobilenumber #**

Example SMS: ***1234*A44721273167*B44789292882*C44843623686#**

The mobile numbers " 0721273167 and 0789292882 and 0843623686 will now be the authorised numbers

Please note:

The SMS must be sent exactly like the above example with NO spaces and all letters must be UPPERCASE.

Activate Accident Alert

The Accident alert numbers will receive an SMS should the motorcycle be in an accident.

**I'm in Traffic Accident; 2011-12-08 12:32:13,V,60Km/H,Heading:60,LAC:2638,CID:0ECF;
<http://maps.google.com/maps?hl=en&q=22.537222,114.020948>**

Activate Alert : ***1234*GON#**

Deactivate Alert : ***1234*GOFF#**

Please note:

The SMS must be sent exactly like the above example with NO spaces and all letters MUST BE UPPERCASE

Get Co-ordinates with Gmaps link

The authorised number will receive an SMS with the location co-ordinates of the vehicle and a clickable Google Maps link. perfect for tracking on a cell phone with internet availability.

Send SMS: ***1234*P#**

Example text reply:

356823032252491

Lat: + 50.723855

Lon: -3.531958

Speed: 1.11KM/H

<http://maps.google.com/maps?q=+50.723855,-3.531958>

Clickable link



Please note:

The SMS must be sent exactly like the above example with NO spaces and all letters must be UPPERCASE.

Immobilize the bike

If the relay is installed (see page 7) then an alert number can send SMS commands to the TellMe unit to immobilise the motorcycle.

To immobilise the motorcycle :

Send SMS: ***1234*stop#**

To restore power to the the motorcycle :

Send SMS: ***1234*K#**

Please note:

The SMS must be sent exactly like the above example with NO spaces.

Set Local Time

To set the tracker to the correct time

SMS: ***1234*GMT+0000#**

Please note : The SMS must be sent exactly like the above example with NO spaces and all letters must be UPPERCASE