

## 2.0 VOICE MENU

To access the unit using Voice Call you simply call your BikeBANDIT™ 's phone number and listen to the Voice Menu.

Your BikeBANDIT™ 's phone number is provided by the GSM SIM Card inserted into your unit.

When you call your BikeBANDIT™ it will answer with the following message in your own language.

**“Hi, This is your BikeBANDIT™ security unit”  
“Please Enter your PIN Number followed by the hash key “**

Use your phone to enter your Personal PIN Number. The factory Default PIN Number is 1234 #.  
If you enter an Incorrect PIN number the BikeBANDIT™ will respond with ...

**“Incorrect PIN, Please Try Again.”**

You have 3 attempts to enter the correct PIN before the BikeBANDIT™ will hang up.  
If you enter the correct PIN the BikeBANDIT™ will respond with...

**“Main Menu”**

**“Press 1 to hear Position, Speed and Heading”  
“Press 2 to hear the Status Report”  
“Press 3 to Activate / Deactivate the Alarm System”**

**“Press 4 to Activate the HORN”  
“Press 5 to Activate the HEADLIGHT”  
“Press 6 to Enable / Disable the Vehicle”**

**“Press 7 to SET my Current Position as Home Base”  
“Press 8 to Set the Emergency Phone Number”  
“Press 9 to Set Your PIN Number”  
“Press 0 to Set the REMOTE PhoneNumber”**



## **MENU 1, POSITION SPEED and HEADING**

If you **PRESS 1**, the BikeBANDIT™ will tell you its Position, Speed and Heading. Firstly if your Network Service Provider has this function available it will Spell the Name of the Nearest Network Cellular Site. This gives you a general idea of the area your vehicle is located. Next the BikeBANDIT™ will tell you it's Longitude, Latitude, Speed and Heading. The Longitude and Latitude gives you the co-ordinates of the vehicle so it may be located on a either an electronic map or paper map. The Datum is WGS-84.

**“The Nearest Network Cell Site is I N G L E B U R N”**

**“Your BANDIT’s current Position is ... “**

**“Longitude is 150 Degrees 51.8215 Minutes East”**  
**“Latitude is 33 Degrees 59.4934 Minutes South”**  
**“Speed 46 KPH”**  
**“Heading 125 Degrees Clockwise from True North”**

The BikeBANDIT™ will also tell you its compass position relative to its HOME BASE. You can set your Home Base position using Menu 7.

**“Your BANDIT is 22 Kilometres North of Home Base”**

The BikeBANDIT™ will then tell you its compass position relative to its Last Known Position. The Last Known Position will be the last place you anchored your vehicle. Every time you turn off your ignition the BikeBANDIT™ records that position.

**“Your BANDIT is 10.3 Kilometres South East of its Last Known Position”**

## **MENU 2, STATUS REPORT**

If you **PRESS 2**, you will hear a complete status report of your BikeBANDIT™ unit giving the current state of each of the set-able functions.

### **STATUS REPORT**

Your Vehicle’s NAME is "RGB 123" or “VENUS”  
The Vehicle is Moving  
The Ignition is ON  
The Kick Stand is UP  
The PANIC Button is OFF  
The Main Battery Voltage is approximately 10.3 Volts  
LOW Battery Voltage Detection SET to 9 Volts  
The Vehicle is ENABLED  
The Alarm System is De-Activated  
Tow Away Detection is OFF  
Overspeed Detection is SET TO 125 KPH  
Auto Arm is OFF  
Alarm Override is OFF  
The Current REMOTE Phone Number is 555 1234  
The Current SMS Phone Number is NOT SET  
The Current Emergency Phone Number is 555 6789  
The Current Emergency SMS Phone Number is NOT SET



### **MENU 3, ACTIVATE and De-ACTIVATE the Alarm**

If you **PRESS 3**, you can either Activate or De-Activate the Alarm.  
When you Activate the Alarm the BikeBANDIT™ will continually look for an Intruder.  
If the Alarm is Activated the BikeBANDIT™ will call you when it has detected an Intruder.  
If the Alarm is De-Activated the BikeBANDIT™ does nothing. Like all alarms, you should Activate it when you leave your vehicle.

**“The ALARM System is Currently De-Activated  
Press the Hash Key NOW to ACTIVATE the Alarm System”  
“Or Press the Star Key to CANCEL”**

### **MENU 4, ACTIVATE The HORN**

You can use Menu 4 to turn the Horn ON for approximately 1 Second.

**“Press the Hash Key NOW to ACTIVATE The Horn”  
“Or Press the Star Key to CANCEL”**

### **MENU 5, ACTIVATE The Headlight**

You can use Menu 5 to turn the Headlight ON for approximately 1 Second.

**“Press the Hash Key NOW to ACTIVATE The Headlight”  
“Or Press the Star Key to CANCEL”**

### **MENU 6, ENABLE or DIS-ABLE the Vehicle**

If you **PRESS 6**, you can either Enable or Disable your vehicle.  
The BikeBANDIT™ can be connected to your fuel or ignition system allowing it to Disable the vehicle under your control.

**“The Vehicle is currently ENABLED,  
Press the Hash Key NOW to DISABLE the vehicle,  
Or Press the Star Key to Cancel”**

OR **“The Vehicle is currently DISABLED,  
Press the Hash Key NOW to ENABLE the Vehicle  
Or Press the Star Key to CANCEL”**



### **MENU 7, RECORD your HOME BASE Position**

If you **PRESS 7**, your BikeBANDIT™ will record and remember it's current position as it's Home Base. You should Record your Home Base when you are Stationary with the Ignition ON and out in the open so as to obtain a good satellite position lock.

**“Your NEW Home Base Position is RECORDED”**

### **MENU 8, SET Your Emergency Phone Number**

If you **PRESS 8**, your BikeBANDIT™ will ask you to enter an Emergency Phone Number. This is the phone number your BikeBANDIT™ will call when someone presses the PANIC Button.

If you **PRESS 8**, your BikeBANDIT™ will remember the Phone Number of the incoming caller using Caller ID so there is no need to enter a number as it is done automatically. You should only use menu 8 when you are calling from your Emergency Phone. This phone should belong to the person who is to receive the Emergency Phone Call.

**“The New Emergency Phone Number is accepted.”**

If your phone does not have Caller ID, or you BAR the Caller ID before you call your BikeBANDIT™, then your BikeBANDIT™ will recognise this and it will ask you to enter the Emergency Phone Number manually.

**“The current Emergency Phone Number is 555 123 456”**  
**“Enter the NEW Emergency Phone Number Followed by the Hash Key”**  
**“Or Press the Star Key to CANCEL”**

(After entering the New Number)

**“The NEW Emergency Phone Number is 555 666 777”**  
**“Press the Hash Key to Accept the NEW Emergency Phone Number”**  
**“Or Press the Star Key to CANCEL”**

### **MENU 9, SET Your PIN Number**

If you **PRESS 9**, your BikeBANDIT™ will ask you to enter your PIN Number. This PIN Number is required to give you secure access to your BikeBANDIT™. The Default Factory PIN is 1234. You may enter a PIN number up to 10 digits long.

**“The current PIN Number is 1234”**  
**“Please Enter your New PIN Number followed by the Hash Key**  
**Or Press the Star Key to Cancel.”**  
**“Re-Enter your New PIN Number Followed by the Hash Key”**  
**“The New PIN Number is accepted.”**



**MENU 0, SET the REMOTE Phone Number**

If you **PRESS 0**, your BikeBANDIT™ will remember the Phone Number of the incoming caller using Caller ID so there is no need to enter a number as it is done automatically. You should only use menu 0 when you are calling from your own personal Cell Phone. This phone then becomes the REMOTE CONTROL PHONE which can be used to easily activate and de-activate the alarm.

**“The New REMOTE Number is accepted.”**

Once you have set your phone as the Remote Phone Number all you need to do when you leave your vehicle is to call your BikeBANDIT™, wait a couple of rings and then hang up. The BikeBANDIT™ will identify the incoming call as the Remote Number and automatically Activate the Alarm. The BikeBANDIT™ will then call you back and hang up so you have confirmation that the vehicle’s Alarm System is Armed. When you want to de-activate the Alarm System simply call the BikeBANDIT™ again and hang up. The BikeBANDIT™ will then automatically De-Activate the Alarm.

If your phone does not have Caller ID then your BikeBANDIT™ will recognise this and it will ask you to enter the Remote Phone Number in the same way as with the Emergency Phone Number.

**“The current REMOTE Phone Number is 555 123 456”**  
**“Enter the NEW REMOTE Phone Number Followed by the Hash Key”**  
**“Or Press the Star Key to CANCEL”**

(After entering the New Number)

**“The NEW REMOTE Phone Number is 555 666 777”**  
**“Press the Hash Key to Accept the NEW REMOTE Phone Number”**  
**“Or Press the Star Key to CANCEL”**



## 3.0 LIST Of FEATURES

The BikeBANDIT™ may be accessed using either a direct Voice Call, SMS Message Commands or ON-Line using a PC and Modem.

### 3.1 Voice, SMS and ON-Line control

The BikeBANDIT™ can be accessed by 3 different methods.

The most common method is using a Voice Call and listening to the Voice Menus. To do this you simply call your BikeBANDIT™ from any touch tone phone and listen for the Voice Prompts.

The second method of access is using SMS Message Commands. Instead of a direct phone call to your BikeBANDIT™, you can send it an SMS message to control your vehicle or to find out its current location.

The BikeBANDIT™ will respond to an SMS Message Command by sending an SMS message back to you.

NOTE : Only a Cellular Phone can receive SMS messages so you should only use a Cellular phone to send SMS messages to your BikeBANDIT™. See the list of SMS Message Commands and their SMS responses.

Also note that when using SMS messages there may be a delay in sending and receiving messages. This delay is caused by your Network Service Provider and NOT your BikeBANDIT™.

The third method of accessing your BikeBANDIT™ is using an ON-LINE connection via your PC and Modem. To do this you simply use the BikeBANDIT™ ON-LINE application program provided with your BikeBANDIT™ unit. This application program allows you to Dial-Up your BikeBANDIT™ and automatically send and receive commands using a simple Graphical User Interface.

Alternatively you may also use a standard communications program such as Windows Hyperterminal to communicate with your BikeBANDIT™, but you will need to type your commands manually. See ON-LINE Command List.

The BikeBANDIT™ ON-LINE application is particularly useful if you wish to create a Real Time Moving Map display of your vehicle. If you send the **GPS ONLINE** command, the BikeBANDIT™ will send you live GPS data which you can send to most standard GPS mapping programs, thus creating a moving map display.

### 3.2 Silent Dial Out Alarm

Your BikeBANDIT™ is a silent alarm system which means there is no local siren in the vehicle. A siren alerts the thief to the fact that the vehicle has an alarm which gives the thief some time to find it and disable it. The silent alarm on the other hand does not alert the thief and gives you a better chance of defeating the intruder.

### 3.3 PIN Number protection

Your BikeBANDIT™ is PIN Number protected, so when someone other than you calls your BikeBANDIT™, either inadvertently or on purpose, they will need to enter your personal PIN number to gain access to your vehicle. This PIN number can be up to 10 digits long.



### 3.4 Internal BLACK BOX Recorder

Your BikeBANDIT™ has an internal BLACK BOX recorder running at all times when the ignition is ON. The BLACK BOX will automatically record the Time, Date, Position, Speed and Heading into a circular memory. This memory holds approximately 3600 points. When the memory is full it simply begins writing over the oldest entry.

You have full control over the BLACK BOX including being able to START Recording, STOP Recording and also SET the rate that each point is recorded.

The Recording rate can be SET between once every second to once every 255 seconds.

If you set the rate at once every second the memory will contain the last hour the ignition was ON. If the Recording rate is set to once every 2 seconds the memory will contain the last 2 hours etc. So you can store up to maximum of 255 hours of data when the recording rate is set to once every 255 seconds.

To improve efficiency, the BLACK BOX memory will only record data when the vehicle is moving. If the vehicle is stationary no new data will be written to the memory.

You can download the data recorded in the BLACK BOX at any time either via SMS messages or using a PC, Modem and the BikeBANDIT™ ON-LINE PC application program supplied with your unit.

The BikeBANDIT™ ON-LINE PC application program will allow you to download and store the contents of the BLACK BOX to your PC. The program will then allow you to replay the contents of the BLACK BOX to most Generic GPS Mapping programs to provide a Real Time moving map replay of the data.

### 3.5 Position using Nearest Cellular Site Name

When using menu 1 to determine your vehicle's current position, the BikeBANDIT™ will spell the name of the nearest Cellular Network Cell Site to which it is connected. This Cell Name is usually the name of the area in which it is located.

**NOTE : This function is only available when compatible information is supplied by the Network Service Provider.**

### 3.6 Position using Longitude and Latitude Co-ordinates

Also when using menu 1 the BikeBANDIT™ will read its positional co-ordinates to you in Longitude and Latitude. It will also tell you its current speed and heading. These co-ordinates can be used to locate your vehicle on a map. Once you have these co-ordinates you may use either a paper map or some sort of electronic map on a PC. The co-ordinates are given in Degrees and Decimal Minutes with compass point. The GPS information is based on the WGS-84 datum.

### 3.7 Distance from Last Known Position

When using menu 1, the BikeBANDIT™ will tell you its compass position relative to its last known position. The Last Known Position will be the last place you anchored your vehicle. Every time you turn off your ignition the BikeBANDIT™ automatically records that position. If you return to this place and your vehicle is gone, then menu item 1 will give you its current position relative to that parking space.



### **3.8 Distance from HOME BASE**

When using Menu 1, the BikeBANDIT™ will tell you its compass position relative to its HOME BASE position. The Home Base Position can be SET using Menu 7, which you normally only need to do once. When you dial into your BikeBANDIT™ you can use Menu 1 to find out how far your vehicle is from its Home Base.

To SET your Home Base use Menu 7 and your BikeBANDIT™ will record and remember it's current position as it's Home Base. You should Record your Home Base when you are Stationary with the Ignition ON and out in the open so as to obtain a good satellite position lock.

### **3.9 Remote Activation of the Horn and Headlight**

Menu 4 is used to remotely Activate the Horn.  
When activated the Horn will sound for approximately 1 second.

Menu 5 is used to remotely Activate the Headlight.  
When activated the Headlight will sound for approximately 1 second.

These functions are useful for testing your unit, amusing your friends or for locating your lost vehicle in a carpark.

### **3.10 Remote Vehicle Disable**

Menu 6 is used to remotely Enable and Disable your vehicle.  
This Control Relay is normally connected to your vehicle's Fuel Pump or Fuel Valve system. Alternatively connection to the ignition system will allow you to shutdown the vehicle on demand.  
Please note that it may be dangerous to disable a vehicle when it is travelling at high speed.  
The vehicle disable mechanism pulses the disable system for approximately 60 to 90 seconds giving the rider both time and control to pull over. After this period the disable is activated continuously and the vehicle is disabled completely.

### **3.11 Remote Activation and De-Activation of the Alarm System**

Menu 3 is used to remotely Activate or De-Activate the Alarm system.  
When you Activate the Alarm your BikeBANDIT™ will Flash the Headlight OR Beep the Horn and then begin monitoring.

When the Alarm System is De-Activated the BikeBANDIT™ will NOT call you to alert you of an event.



### 3.12 Remote Activation and De-Activation of the Alarm System Using CALLER ID

The **REMOTE Phone** can be used to remotely control the Alarm System using Caller ID.

The **REMOTE Phone** can be used to Activate and Deactivate the Alarm System simply by calling your BikeBANDIT™'s Phone Number and then hanging up before it answers.

Your BikeBANDIT™ will recognise that it is the **REMOTE Phone** using its Caller ID.

You can use Caller ID to automatically SET the **REMOTE Phone Number** by Pressing the Zero Key when listening to the Main Voice Menu.

When your BikeBANDIT™ sees your incoming Caller ID it Activates the Alarm System.

Your BikeBANDIT™ then calls you back on the **REMOTE Phone** and then hangs up.

Your phone receives this call back to acknowledge that the Alarm System has been Activated.

The next time you call your BikeBANDIT™ from the **REMOTE Phone** and hang up before it answers, it will De-Activate the Alarm System but it will NOT call you back.

If you wish to Disable the **REMOTE Phone** from Automatically Arming and Disarming the Alarm System simply inhibit the **REMOTE Phone** from sending its Caller ID.

When you want to call your BikeBANDIT™ and access the Main Menu using the **REMOTE Phone**, with Caller ID enabled, it may take several rings before it picks up. This delay is only applicable to the **REMOTE Phone**.

### 3.13 Battery Backup

Your BikeBANDIT™ has a battery backup input. This connection should be taken to a standard 12 volt sealed lead acid battery. This type of battery is fairly standard for alarm systems. A nominal 600 mA to 1000 mA capacity will be adequate for the purpose. This battery is primarily intended to take over the alarm if the main power has failed or is cut. This battery will last 48 hours in standby mode and several hours talk time. When the main 12 volt power is connected the backup battery is continuously trickle charged.

NOTE : the backup battery voltage should be the same as your main vehicle battery.

i.e. 12 volts in a 12 volt system and 24 volts in a 24 volt system. Typical Charging Voltage required is 15 Volts in a 12 Volt system and 27 volts in a 24 Volt system.

### 3.14 Power Interrupt Detection

If in the event that your main power is cut by an intruder, your BikeBANDIT™ will detect this and call you immediately.

### 3.15 Ignition Sensor Input

The main sensor input to the BikeBANDIT™ connects to accessories power at the fuse box so it can detect when the ignition is ON and OFF. When it senses that the ignition is OFF the BikeBANDIT™ will automatically go into Sleep Mode to conserve power. In Sleep Mode it is still monitoring for an Intruder or Incoming phone call. In Sleep Mode the GPS is turned OFF to conserve power.



### 3.16 KICK Stand Sensor Input

The Kick Stand sensor input to the BikeBANDIT™ is normally connected directly to an existing Kick Stand switch. This input may also be connected to an after market system such as an ultrasonic detector or other motion sensors. When the alarm is activated and someone trips a sensor the BikeBANDIT™ will dial the REMOTE Number .

### 3.17 EMERGENCY Sensor Input

The EMERGENCY sensor input to the BikeBANDIT™ is normally connected to a PANIC Button installed in your vehicle. A Panic Button is provided in the BikeBANDIT™ Kit although you may choose to connect this input to an existing Panic Switch or **Accident Sensor** .

An Emergency is Detected if this input is connected to the vehicles electrical Ground for approximately 2 seconds.

### 3.18 Select MILES, KILOMETRES or Nautical Miles

You can select either Miles, Kilometres or Nautical Miles for your BikeBANDIT™ depending on your preference. The BikeBANDIT™ defaults to Kilometres. You can select this option by simply sending an SMS Message Command to your BikeBANDIT™ .  
See SMS Message Commands List.

### 3.19 Enable or Disable SMS Messaging

You can Enable or Disable your BikeBANDIT™ from sending SMS messages.  
Your BikeBANDIT™ will call you with a voice message when required and it can also send you an Information SMS message only if SMS messaging is enabled.  
See **SMS Phone Number**.

You can Enable or Disable your BikeBANDIT™ from sending an EMERGENCY SMS message.  
Your BikeBANDIT™ will call you with a voice message when required and it can also send you an Emergency Information SMS message only if Emergency SMS messaging is enabled.  
See **EMERGENCY SMS Phone Number**

### 3.20 TOW Away Detection

Your BikeBANDIT™ can detect if your vehicle is being Towed Away by Enabling TOW Away Detection. If TOW Away Detection is Enabled (ON) and the ignition is turned off the BikeBANDIT™ will NOT enter sleep mode but instead will keep the GPS receiver active looking for any movement. You can enable or disable TOW Away Detection by sending an SMS message to your BikeBANDIT™ . See SMS Message Commands. Tow Away Detection looks for both a minimum speed and movement outside of a pre-determined radius before deciding to call you. This is to reduce the potential for false alarms.



### 3.21 ON-Line Moving Map Display capable

Your BikeBANDIT™ can transmit its GPS position data to a PC and Modem in real time using a data call. If you have a standard GPS Mapping Program you can use the BikeBANDIT™ ON-LINE application to pass the GPS data to this mapping program giving a real time moving map display of your vehicle. **NOTE : Electronic Maps are NOT supplied with the unit.**

### 3.22 Alarm OVERRIDE

Your BikeBANDIT™ has an Alarm Override function that can be turned ON or OFF.

The Alarm Override is a manual method of disabling the alarm system so caution should be used if the Alarm Override is turned ON.

If the Alarm Override is turned ON then the alarm system can be disabled simply by turning the ignition key ON to accessories 5 times within 5 seconds.

### 3.23 OVERSPEED Detection

Your BikeBANDIT™ has an Overspeed Detection system which can be turned ON or OFF.

When the vehicle's speed goes above the Overspeed threshold the BikeBANDIT™ calls you to inform you of this event.

You can set the Overspeed trigger point anywhere between

- 0 to 255 Kilometres Per Hour.
- Or 0 to 255 Miles Per Hour
- Or 0 to 255 Knots

To set the Overspeed you must send your BikeBANDIT™ an SMS Message Command.  
See SMS Message Command List.

### 3.24 Auto Arm Mode

Your BikeBANDIT™ has an Auto Arming Mode which can be selected either using an SMS command or ONLINE using the BikeBANDIT™ ONLINE Application Program.  
See SMS Message Command List.

When this Mode is turned ON the BikeBANDIT™ will automatically Activate the Alarm System approximately 30 seconds after turning the vehicle ignition OFF and placing the KickStand in the DOWN position.

If Auto Arming is OFF then you must activate the Alarm System manually using either a voice call, Caller ID, SMS command, ONLINE or using key FOB control. Auto Arming default is set to OFF.



### 3.25 Alarm Activation and De-Activation using Key FOB Control

Your BikeBANDIT™ unit is designed to work independently of any other existing alarm system. An optional Key FOB remote control can be purchased from Rojone which will allow full remote Alarm control of your BikeBANDIT™ unit.

If you do not wish to purchase the optional Key FOB remote control then your BikeBANDIT™ may respond to your existing alarm's Key FOB remote control if it is compatible.

Your BikeBANDIT™ unit may work with most existing alarms, if you have one. You may use your existing alarm to activate and deactivate your BikeBANDIT™ unit using its Key FOB remote control.

Your BikeBANDIT™ unit can be Activated and De-activated using the same key FOB Control used by your existing alarm. Your existing alarm should have an output which drives either your vehicle's indicator or beeper, to indicate the state of your alarm system. When you activate your alarm using your alarm's key FOB the indicators flash ONCE for ON and TWICE for OFF. This output can be connected using a Double Pole Relay or 2 Single Pole Relays to both the "Intruder" and "Panic" inputs of your BikeBANDIT™ unit.

When you activate your vehicle's existing alarm it flashes the indicators to let you know the alarm state. Your BikeBANDIT™ uses this input to also activate and deactivate its alarm system. If your existing alarm also has other indicator flash combinations your BikeBANDIT™ will ignore them.

NOTE : In the event that your existing alarm has been triggered the indicators sometimes flash continuously to attract attention. During alarm activity your BikeBANDIT™ will ignore this continuous flashing so to de-activate your BikeBANDIT™ you must first turn OFF your alarm before your BikeBANDIT™ will recognise the key FOB signal.

Your installer must locate the indicator control line coming out of your existing alarm. Use this wire to activate a Double Pole Double Throw relay coil. Your installer should be able to supply this automotive relay. Alternatively Rojone also has a Relay and Cable kit available. Email : [sales@rojone.com.au](mailto:sales@rojone.com.au)  
Connect each of the relay poles to the "Intruder" and "Panic" wires separately so when the control line activates the relay the "Intruder" and "Panic" wires are taken to ground through the relay.

Your installer may alternatively use a simple Double Pole Single Throw switch to provide the same function with manual operation. This switch should be hidden within the vehicle and is used as a manual method of Activating and De-activating you BikeBANDIT™ alarm system. The switch must be normally open type and independently ground each of the "Intruder" and "Panic" wires. See Installation Manual for more details.

If you wish to purchase an optional Key FOB remote control please contact one of our sales staff at Rojone.  
Email : [sales@rojone.com.au](mailto:sales@rojone.com.au)



## 4.0 SMS Message COMMAND List

Your BikeBANDIT™ will accept and respond to SMS Message Commands. Normally only Cellular phones are capable of sending and receiving SMS messages. Sending SMS commands to your BikeBANDIT™ is very easy. Simply type your BikeBANDIT™'s PIN Number followed by a DOT and then the Command Text (shown in **BOLD**), given in the command list below, into your SMS message and send the message to your BikeBANDIT™'s phone number.

Your BikeBANDIT™ will generally respond by sending an SMS message back to you for confirmation. To do this your BikeBANDIT™ uses Caller ID to send the response SMS back to you. This means that when you send an SMS to the BikeBANDIT™ from any Cellular Phone it will respond with an SMS back to that same phone automatically.

The list of SMS COMMANDS are given below. NOTE : The Default PIN Number is 1234

SMS Responses from the BikeBANDIT™ will all begin with the following header ...

```
Bandit Vx.x
NAME          RGB 123
Ingleburn
```

The Bandit Vx.x gives you the current Bandit Software Version Number.

The NAME field gives you the name or registration number that you have given your BikeBANDIT™ unit using the SET NAME SMS Message command.

The word "Ingleburn" is the nearest network cell site name broadcast by your Network Service Provider. This information is output with the Position SMS Message Command. Please note that this function is only available when compatible information is supplied by the Network Service Provider. This field is added to the position commands when available.

### 1234.POSITION

```
Responses:
Bandit Vx.x
NAME
Ingleburn
Current Position : (or Old Position)
LAT:  xx.xxxx,xx.xxxx
LON:  xx.xxxx,xx.xxxx
SPEED: xx Km/h or Miles/h or Knots
DIR:  xxx.xx
DATE : yy/mm/dd UTC : hh:mm:ss
```

This message give you the Long and Lat co-ordinates as well as the speed, heading and time and date. Co-ordinates are given as Degrees and Decimal Minutes with respect to the WGS-84 Datum and time is relative to UTC. The information provided may be up to date, signified by the words "Current Position" or it may be the last recorded position signified by the words "Old Position". The UTC Time and Date provided signifies how old the data is.



#### **1234.LAST POSITION**

This message provides the distance from the Last Known Position. The Last Known Position is automatically recorded when the ignition is turned Off. If the message reads “Your Bandit is” then the data is current, and if the message reads “Your Bandit was” then the data is old.

#### **1234.HOMEBASE**

This message provides the distance from its HOME BASE position. If the message reads “Your Bandit is” then the data is current, and if the message reads “Your Bandit was” then the data is old.

#### **1234.SET HOMEBASE**

This message commands the BikeBANDIT™ to record its current position as Home Base.

#### **1234.ACTIVATE ALARM**

#### **1234.DEACTIVATE ALARM**

These two commands above are used to Activate and Deactivate the Alarm System.

#### **1234.ACTIVATE HORN**

#### **1234.ACTIVATE HEADLIGHT**

These two commands above are used to Beep the horn and Flash the Headlight.

#### **1234.ENABLE VEHICLE**

#### **1234.DISABLE VEHICLE**

The two commands above are used to MANUALLY Enable and Disable the Vehicle.



**1234.REMOTE NUMBER.xxxx** (xxxx is the NEW Remote Phone Number)

**1234.CLEAR REMOTE NUMBER** (Inhibits Voice Call Dial Out for an Intruder)

(WARNING : Your BikeBANDIT™ will NOT dial Out for an Intruder if Cleared)

**1234.SMS NUMBER.xxxx**

This is the Phone Number used for Intruder SMS Event message.

**1234.CLEAR SMS NUMBER** (Inhibits sending SMS for Intruder)

(WARNING : Your BikeBANDIT™ will NOT send an SMS for an Intruder if Cleared)

**1234.EMERGENCY NUMBER.xxxx** (xxxx is the Emergency Phone Number)

**1234.CLEAR EMERGENCY NUMBER** (Inhibits Voice Call Dial Out for an Emergency)

(WARNING : Your BikeBANDIT™ will NOT Dial Out in an Emergency if Cleared)

**1234.EMERGENCY SMS NUMBER.xxxx**

This is the Phone Number used for an Emergency SMS Event message.

**1234.CLEAR EMERGENCY SMS NUMBER** (Inhibits sending SMS for Emergency)

(WARNING : Your BikeBANDIT™ will NOT send an SMS for an Emergency if Cleared)

**1234.SET PIN.xxxx** (xxxx is Your NEW PIN Number, up to 10 digits)

**1234.SET NAME.xxx**

This message commands sets the Name of your BikeBANDIT™.  
The Name may be any alphanumeric string up to 10 characters long.



**1234.TOW AWAY ON (Inhibits Sleep Mode and looks for movement)**

(CAUTION : Tow Away Mode ON reduces battery life. See 6.1 DC Characteristics)

**1234.TOW AWAY OFF**

The two commands above are used to Activate and Deactivate Tow Away detection.

**1234.SET MILES**

**1234.SET KILOMETRES**

**1234.SET NAUTICAL MILES**

The three message commands above set the measurement preference.

**1234. SET OVERSPEED.xxx.MPH (Note : MPH or KPH or KNOTS)**

(Overspeed setting 0 to 255 KPH, Overspeed trigger OFF if xxx = 0.)  
(Overspeed setting 0 to 255 MPH, Overspeed trigger OFF if xxx = 0.)  
(Overspeed setting 0 to 255 Knots, Overspeed trigger OFF if xxx = 0.)

This command message sets the Overspeed Trigger point. Note setting the Trigger point to zero disables the Overspeed detection altogether.

**1234. OVERSPEED DIALOUT ON (Activates Dialout on Overspeed Trigger)**

**1234. OVERSPEED DIALOUT OFF (STOPS Dialout on Overspeed Trigger)**

The two commands above are used to Enable or Disable Overspeed Detection.  
Once an Overspeed Trigger point is set then these two commands simply enable or disable the dialout in the event of an Overspeed Trigger Detection, setting the Overspeed value to zero also disables the dialout.

**1234. ALARM OVERRIDE ON**

**1234. ALARM OVERRIDE OFF**

The two commands above are used to Activate or Deactivate the Alarm Override Function.  
Your BikeBANDIT™ has an Alarm Override function that can be turned ON or OFF.  
The Alarm Override is a manual method of disabling the alarm system so caution should be used if the Alarm Override is turned ON.  
If the Alarm Override is turned ON then the alarm system can be disabled simply by turning the ignition key ON to accessories 5 times within 5 seconds.



#### 1234. AUTO ARM ON

#### 1234. AUTO ARM OFF

These 2 SMS commands are used to activate and de-activate the Auto Arming Mode.

#### 1234.START BLACK BOX

#### 1234. STOP BLACK BOX

#### 1234. BLACK BOX RATE.xx (xx is every 1 to 255 seconds)

## IMPORTANT INFORMATION

The Black Box has approximately 3600 storage locations.  
If the Black Box has default factory settings then it will record the

GPS RMC string once every 1 second

Logging the RMC String means that the Black Box will record the vehicle's **position, speed, heading, time and date** every second only while the vehicle is moving, NOT while it is stationary. This allows for almost 1 hour of recording of a moving vehicle. Once the end of memory is reached the Black Box writes over the oldest stored data.

If you wish to save the information currently in your Black Box you must issue your BikeBANDIT™ with a STOP BLACK BOX command to stop the Black Box recording or immediately go ON-LINE to your BikeBANDIT™ and download the Black Box LOG to permanently store it on your computer.

To get more than 1 hour recording you may alter the Black Box LOG Rate using the command, Black Box LOG Rate.xx. If you set xx = 2 seconds then you will have 2 hours of recording time, xx = 3 seconds and you will have 3 hours of recording time etc etc, 24 seconds gives you approximately 24 hours of recording time. The maximum setting is 255 hours, which is approximately 1 Black Box entry every 4 and a half minutes.

**NOTE : If you wish to use the Black Box to record the critical last few seconds before an accident then you should set the Black Box Rate to 1 second. Remember this will only record the last 1 hour of the vehicle's movements. The Black Box should then record each second up to the impact and an additional 10 seconds of data when the vehicle comes to rest.**

**NOTE : If you wish to use the Black Box to record an accident , your BikeBANDIT™ unit should ideally be mounted in a strong part of the vehicle along with the Back-Up Battery. In the event of an accident your BikeBANDIT™ unit may require Back-Up Battery power to continue functioning.**

To download and store Black Box Data see ON-LINE Command List.



### **1234.DOWNLOAD LOG.xx.yy**

(xx is the Starting Point in the LOG, 1 to 3600)  
(yy is the Number of Points to download, 1 to 3600)  
(3600 is the oldest data logged, 1 is the latest data logged)  
(Data is downloaded as raw RMC Strings)

(The RMC string is a standard GPS message containing Time, Position, Speed and Heading)  
(Example: to download the last 10 seconds prior to an accident use the following command)  
(1234.DOWNLOAD LOG.1.10)

WARNING : A typical cellular phone cannot receive more than about 3 messages at a time.  
More messages are generally lost. To download the entire LOG at one time either use an automated SMS Messaging system or alternatively go ON-LINE using your BikeBANDIT™ ON-LINE Application Program and download the entire LOG into your PC.

### **1234.STOP DOWNLOAD**

This message command simply STOPS the SMS LOG Download.

### **1234.SET LOW VOLTAGE.xx**

(xx is the Voltage level 1 to 30 Volts)

The LOW Battery Alarm Voltage can be set using this SMS Message Command.  
When the Main Battery Voltage reaches this LOW Threshold the BikeBANDIT™ will call you and let you know.

The Voltage Threshold should be set between 1 to 30 volts in 1 volt steps. (i.e. Integer Volts)

Setting the Threshold to Zero volts will effectively turn the Low Battery detection OFF.

The Detection Threshold should be accurate to about 0.5 volts.

The BikeBANDIT™ will only call you once in the event of a Low Battery. This is RESET when the input voltage rises 1 volt above the Set Threshold. It will then call you again when it falls below the Set Threshold.

### **1234.DATA CALL.xxxx**

(xxxx is your PC and MODEM's Phone Number)

This SMS message is used to Command your BikeBANDIT™ to call your MODEM and establish a Data Call with your PC.

If your BikeBANDIT™ calls your PC and Modem, then your BikeBANDIT™'s SIM Card does NOT need a DATA PHONE NUMBER.

BUT, If your PC and Modem calls your BikeBANDIT™ then your BikeBANDIT™'s SIM Card MUST have a DATA PHONE NUMBER.

This SMS Message has NO SMS Response as the Data Call itself is the Response.

The BikeBANDIT™ will only attempt to establish a Data Call once per SMS Message Command.

If the DialOut fails or connection is interrupted then another SMS Command is required to try again.



### 1234.VOICE CALL.xxxx

(xxxx is ANY Voice Phone Number)

This SMS message is used to Command your BikeBANDIT™ to call ANY Voice phone number and give the Call Receiver control of your vehicle without having to enter a PIN Number to gain access.

For example if a Police Officer is following your stolen vehicle then you can send his mobile phone number to your BikeBANDIT™ and it will call him directly and give him full control of your vehicle using the voice menu, without needing a PIN Number.

This SMS Message has NO SMS Response as the Voice Call itself is the Response.  
The BikeBANDIT™ will only attempt to establish a Voice Call once per SMS Message Command.  
If the DialOut fails or connection is interrupted then another SMS Command is required to try again.

### 1234.GET SETTINGS

Responses: 4 SMS

1st SMS:

Bandit Vx.x

NAME

PIN : xxxx

Alarm is ACTIVATED/DEACTIVATED

TOW AWAY DETECTION ON / OFF

Auto ARM ON

Set To Miles or Set To Kilometres or Set To Nautical Miles

2nd SMS:

Bandit Vx.x

NAME

Alarm Override OFF

Black Box Recorder ON

LOG Rate is every 123 Secs

Over Speed Set to 100 MPH

Dialout ON

3rd SMS:

Bandit Vx.x

NAME

Remote Number : xxxx

Emergency Number : xxxx

4th SMS:

Bandit Vx.x

NAME

SMS Number : xxxx

Emergency SMS Number : xxxx

This message command returns 4 SMS messages giving you all the current settings of your BikeBANDIT™ unit.



## 1234.GET STATUS

Responses:  
Bandit Vx.x  
NAME  
Ignition ON / OFF  
Intruder ON / OFF  
Panic ON / OFF  
KickStand is UP  
Vehicle is ENABLED / DISABLED  
Battery 12.3 volts

This message command returns the current state of all the Inputs and Outputs.

## 1234.RESET GPS (Used to manually reset the GPS Receiver.)

Responses:  
Bandit Vx.x  
NAME  
GPS is Reset

This should only be used if the GPS Receiver is NOT Responding.  
This is generally only used as a de-bugging tool.

## 1234.RAW RMC

Responses:  
Bandit Vx.x  
NAME  
"RMC String"

The Raw RMC string is not normally of any use anyone except a computer.  
This is generally only used as a debugging tool.

## SMS ERROR MESSAGE

If your SMS Message has a typing error which either incorrectly spells the SMS Command or uses an incorrect PIN Number then you will receive an ERROR SMS Message ...

Response to an Incorrectly Spelt Command

Bandit Vx.x  
NAME  
Incorrect Command

Response to an Incorrect PIN Number

Bandit Vx.x  
NAME  
Incorrect PIN



## 5.0 ON-LINE COMMAND LIST

The BikeBANDIT™ may also be accessed ON-LINE using a PC and a modem.

To do this you simply use the BikeBANDIT™ ON-LINE Application Program provided on a CD with your unit. The BikeBANDIT™ ON-LINE Application Program will automatically dial your Data Call Phone Number and establish a connection with your BikeBANDIT™. Once connected you can begin sending commands to your BikeBANDIT™. These commands are listed below.

If you do not have a DATA Phone Number on your SIM Card you can still Track and Control your BikeBANDIT™ simply by sending it an SMS message requesting it to call your PC and Modem. This way a data call can be established without having a data call phone number on your SIM Card. To do this simply RUN your BikeBANDIT™ ONLINE Application and “OPEN” the selected modem port under the “Modem” menu. Then send the SMS Message Command 1234.DATA CALL.555123456 to your BikeBANDIT™ and wait for it to call your PC. (555123456 is your PC Modem’s phone number).

The ON-LINE connection is directly between your PC and your BikeBANDIT™. There is NO Internet connection so the system is very secure. Any system which routes you through the Internet is subject to possible hacking which can lead to someone else taking control of your vehicle.

The ON-LINE connection is particularly useful if you wish to create a Real Time Moving Map display of your vehicle. If you have a standard GPS Mapping Program you can use the BikeBANDIT™ ON-LINE application to pass the GPS data to this mapping program giving a real time moving map display of your vehicle.

The ON-LINE commands are listed below in **BOLD**. Please note that most of these commands are identical to the SMS Message Command List except for the **DOWNLOAD LOG**, **GPS ONLINE**, **GPS OFFLINE** and **EXIT** commands. Also note that as you are required to enter your PIN Number at the beginning of the session you do NOT have to add the PIN to each command when ONLINE as you do with the SMS commands.

Once you have dialed in and established a connection to your BikeBANDIT™ it will first respond with

**“Please Enter Your PIN Number “**

Simply enter your PIN number in the Command Line Box and press the “SEND Button”.  
If the PIN was correct it will respond with

**“BikeBANDIT™ Vx.x ONLINE”**

Now you can begin sending commands.



The ON-LINE Command List (shown in **BOLD**) is given below ...

**POSITION**

**LAST POSITION**

**HOMEBASE**  
**SET HOMEBASE**

**ACTIVATE ALARM**  
**DEACTIVATE ALARM**

**ACTIVATE HORN**  
**ACTIVATE HEADLIGHT**

**AUTO ARM ON**  
**AUTO ARM OFF**

**ENABLE VEHICLE**  
**DISABLE VEHICLE**

**TOW AWAY ON** (Inhibits Sleep Mode and looks for movement)  
**TOW AWAY OFF**

**SET PIN.xxxx** (xxxx is Your NEW PIN Number, up to 10 digits)  
**SET NAME.xxxx** (xxxx is Your Unit's Name, up to 10 Alphanumeric Characters)

**SET MILES**  
**SET KILOMETRES**  
**SET NAUTICAL MILES**

**SET OVERSPEED.XXX .KNOTS** (xxx is the Overspeed Trigger Point)  
(MPH or KPH or KNOTS)

(Overspeed setting 0 to 255 KPH, Overspeed trigger OFF if xxx = 0.)  
(Overspeed setting 0 to 255 MPH, Overspeed trigger OFF if xxx = 0.)  
(Overspeed setting 0 to 255 Knots, Overspeed trigger OFF if xxx = 0.)

This command sets the Overspeed Trigger point. Note setting the Trigger point to zero disables the Overspeed detection altogether.

**OVERSPEED DIALOUT ON**  
**OVERSPEED DIALOUT OFF**

**ALARM OVERRIDE ON**  
**ALARM OVERRIDE OFF**

**SET LOW VOLTAGE.xx** (xx is the Low Voltage Threshold, 1 to 30 Volts)



**GET SETTINGS** (This command returns all current settings of your BikeBANDIT™)

**GET STATUS** (This returns the state of all Inputs and Outputs)

**REMOTE NUMBER.xxxx** (xxxx is the NEW Remote Phone Number)  
**CLEAR REMOTE NUMBER** (Inhibits Voice Call Dial Out for an Intruder)

**SMS NUMBER.xxxx** (xxxx is the SMS Phone Number)  
**CLEAR SMS NUMBER** (Inhibits sending SMS for an Intruder)

**EMERGENCY NUMBER.xxxx** (xxxx is the Emergency Phone Number)  
**CLEAR EMERGENCY NUMBER** (Inhibits Voice Call Dial Out for an Emergency)

**EMERGENCY SMS NUMBER.xxxx** (xxxx is the Emergency SMS Phone Number)  
**CLEAR EMERGENCY SMS NUMBER** (Inhibits sending SMS for an Emergency)

**(WARNING : Your Bandit will NOT Dial Out if Phone Numbers are Cleared)**

**START BLACK BOX** (This command STARTS the Black Box Recording)  
**STOP BLACK BOX** (This command STOPS the Black Box Recording)

**BLACK BOX RATE.XX** (XX is the Black Box Recording rate in seconds, 1 to 255)

**DOWNLOAD LOG** (This command is used to Download the Black Box contents)  
**STOP DOWNLOAD** (This command Halts the Download)

**RESET GPS** (Used to manually reset the GPS Receiver.)

**GPS ONLINE** (This command is used to turn ON the GPS RMC Strings)  
**GPS OFFLINE** (This command is used to turn OFF the GPS RMC Strings)

**EXIT** (This command is used to END the ON-LINE connection)

The GPS ONLINE command is used to continuously output the GPS RMC strings to the PC. The RMC strings are sent once per second and they contain all the data necessary for a GPS Mapping program to provide a visual location on an electronic map. When using this command the PC will receive a new position every second via its Serial COM Port. This data can be physically routed to either another PC and COM Port or simply to the same PC with a second serial COM Port which is used as the data input port for the Mapping Program.

Once your BikeBANDIT™ is sending its GPS data the BikeBANDIT™ ON-LINE PC Application program can send this GPS data to one of your PC's Serial Com Ports. A Serial 9 Pin LAPLINK Cable can be used to interconnect 2 Serial Com Ports with one another. The second COM Port should be used by your Electronic GPS Mapping program to receive the GPS data and display it in your PC screen.

Later versions of the BikeBANDIT™ ON-LINE PC Application have a VIRTUAL Serial Com Port allowing you to pass the GPS data to your mapping program without a cable. The data is passed internally within your PC.

Please note that if you have 2 computers, one for your Modem and one for your Electronic Mapping Program then you will still require a Laplink cable to interconnect the 2 PC's to provide a moving map display. Just select Laplink Cable Option rather than the Virtual Serial Port Option within the BikeBANDIT™ ON-LINE PC Application.

