



## GSM TEXT PAGER

### OPERATION AND INSTALLATION MANUAL



Model: **MTP4**

This Mongoose GSM text pager is specifically designed to operate with almost every type of alarm system from aftermarket and factory vehicle types, home alarms and stand alone applications.

As this product can operate without an alarm system some features are restricted.

For correct operation, please read this manual to familiarise yourself with the features.

We advise professional installation of this product to ensure correct operation. This manual is written for vehicle applications.

### 5 SIMPLE OPERATION TEST STEPS

1. INSERT A GSM SIM CARD \*
2. FROM YOUR MOBILE PHONE, SEND A 'PAIRING CODE' TEXT MESSAGE TO THE PAGER'S SIM CARD NUMBER.
3. LEAVE THE DRIVERS WINDOW DOWN. LOCK/ARM YOUR VEHICLE. THE PAGER IS NOW ACTIVE AND IS READY TO SEND WARNING MESSAGES.
4. TRIGGER THE VEHICLE ALARM BY OPENING THE DOOR FROM THE INSIDE DOOR LOCK. A WARNING TEXT MESSAGE WILL BE SENT TO YOUR MOBILE PHONE
5. UNLOCKING/DISARMING YOUR VEHICLE WITH YOUR REMOTE TURNS THE GSM PAGER OFF

**Caution:**

*Reacting to an alarm text warning message is your responsibility and the safety of the person attending the vehicle as a result of a warning text message should be paramount. We advise no unnecessary risk to yourself or others*

**SIM CARD (not supplied)\***

A GSM SIM card is required for this pager.

The lowest cost option is generally the Pre-Pay type as text messages sent from the pager should be minimal. If you choose a Pre-Pay card, we recommend one that does not need to be removed from the pager to re-charge credit. The pager module is mounted under the dashboard, so it may not be readily accessible.

NOTE: This pager does not notify you if your Pre-Pay credit has expired. Please complete the enclosed 're-charge' reminder label and attach in a place in your vehicle easily seen by you.

\* In New Zealand, use only Vodafone SIM cards



### **PAIRING THE PAGER TO YOUR MOBILE PHONE**

From the mobile phone that is going to receive the alarm messages, send a pairing code to the pagers SIM card phone number.

#### **Pairing code**

<b>1122#1</b>	1 trigger
<b>1122#2</b>	2 triggers
<b>1122#3</b>	3 triggers
<b>1122#N</b>	Unlimited triggers

The pager replies with **“NUMBER SET OK”**  
(allow time for reply – depends on network cellular traffic)

#### **NUMBER OF TEXT MESSAGE ALERTS**

The pager will send an intrusion warning text message if your alarm system is triggered or a door is illegally opened.

The number of triggers to which the pager responds is selected by the chosen pairing code above.

If you select 1122#1, a trigger will send one text alert. Any further triggers will not send any further alerts.

If you select 1122#2, two triggers will cause a text alert for each trigger, and so on.

1122#N has no limits and is the recommended pairing code.

#### **CHANGING THE MOBILE PHONE THAT RECEIVES THE TEXT MESSAGES**

From the new mobile phone, send the pairing code (commencing with the new password if it has changed from factory default).

The pager replies to the new mobile phone with **“NUMBER SET OK”**

The previous mobile phone is now deleted and will not receive messages. To return to the original mobile phone, just repeat this procedure.

### **CHANGING THE PASSWORD**

To prevent someone interfering with your pager, it is recommended that you change the pagers default password. The password can only be changed after carrying out 'pairing'.

1. Choose a 4 digit numerical password and send the following text message to the pager:- **1122PXXXX**  
(XXXX is your chosen number - P is upper case, no spaces.)
2. Pager replies with **“PASSWORD CHANGED OK”**
3. Any further commands now commence with your password number, not 1122
4. **Record the new password in your mobile phone 'contacts' list.**  
*TIP: If your car alarm has a PIN coded override, record the number in your mobile phone for easy recall*

#### **GLOBAL RE-SET**

To re-set the pager back to all original factory default settings (and password to 1122), send the following text from your mobile phone:-

**RESET** (all in upper case)

Pager replies to sending mobile phone with **‘RESET OK’**.  
The pager then needs to be re-paired to make it operational.

**NOTE:** *A confirmation reply must be received before sending any other command. If no reply received within a reasonable time, re-send the original text. Text messages may not always be received in the order they are sent due to cellular traffic.*

*Text commands and spam messages are automatically deleted from the pagers SIM card memory.*

## **CONTROLLING THE PAGER**

### **ACTIVATE**

#### **Lock/arm your vehicle:**

The pager is now active and ready for sending warning messages.

### **DE-ACTIVATE**

#### **Unlock/disarm your vehicle:**

The pager is deactivated and will not send warning messages.

### **BLUE LED – NETWORK / PAGER STATUS INDICATOR**

The status of the pager is shown by the LED (light emitting diode).

Flash cycle is every 4 seconds

Constant ON *	= Searching for a GSM connection
1 flash	= System normal, GSM connected and alarm armed.
2 flashes	= In power save mode
3 flashes	= Pager not initialised (see page 5)
4 flashes	= SIM card not inserted
Flickering	= Sending or receiving text messages

To prevent a distraction whilst driving, the LED does not flash. It will only light (constant on) whilst driving if there is no network connection.

If the LED is constantly lit when parking, try moving your vehicle to a different location for better GSM reception.

**Warning:** In order to receive warning messages, both your mobile phone and the pager must have network coverage. Your mobile phone shows signal strength and the pagers blue LED shows its status.

Be aware that if there is no signal on either device, you will not receive any warning messages.

## **GSM PAGER CONTROLLED OUTPUTS – OPTIONAL CONNECTION**

The pager has two text controlled outputs. Use of these outputs depends on the equipment level of the vehicle or other accessories fitted. Other parts may be required. Typical uses can be:- to lock the doors if you may have forgotten or unlock a door if your keys are inside, or control an additional engine immobiliser.

### **OUTPUT 1**

This is a single 0.8 sec' (-) pulse output of 500mAmps.

A typical use is to lock or unlock doors (not both operations).

Send the command **1122OUT1ON**

Pager replies with **“OUTPUT 1 ACTIVATED”**

### **OUTPUT 2**

This is a continuous (-) negative output when 'on'. Typical use is for a text controlled immobiliser.

Output 2 is turned on or off by text messages.

Send the command **1122OUT2ON**

Pager replies with **“OUTPUT 2 IS ON”**

Output 2 remains ON until the command **1122OUT2OFF** is sent. Pager replies with **“OUTPUT 2 IS OFF”**

### **POWER SAVE MODE**

When the vehicle is parked and the pager is idle, the pager will enter power save mode by disconnecting from the GSM network.

This mode is indicated by the blue LED flashing twice.

An alarm activation will wake the pager, connect to the GSM network and send the warning text message. It will also waken when the ignition is turned on.

### **TO DISABLE THE LOW BATTERY WARNING MESSAGE**

If you do not wish to receive the low vehicle battery warning messages, send this text command:- **1122NOBATTERY**

Pager replies with **“BATTERY WARNING DISABLED”**

To re-enable low battery message send:- **1122BATTERY**

Pager replies with **“BATTERY WARNING ENABLED”**

## GSM TEXT MESSAGES

### WARNING:- ALARM PRE-INTRUDED

This message will be sent if the alarms pre-warning (if alarm has this function) is triggered (siren chirping).

### WARNING:- ALARM ACTIVATED

This message will be sent if the vehicle alarm is fully sounding.

### WARNING:- VEHICLE BATTERY LOW

If the vehicle battery is removed or drops below normal operating voltage (<12V). Attend to the vehicle immediately and charge the vehicle battery.

### WARNING:- BACK-UP BATTERY LOW

The back-up battery needs replacing (9v alkaline).

## USER COMMANDS TO PAGER

**Commands are case sensitive – 1122 is default password.**

If password is changed, all commands commence with your password

<b>1122#1</b>	Pairing code: 1 trigger – 1 message
<b>1122#2</b>	Pairing code: 2 triggers – 1 message each
<b>1122#3</b>	Pairing code: 3 triggers – 1 message each
<b>1122#N</b>	Pairing code: Unlimited trigger
<b>1122PXXXX</b>	Change password (XXXX is chosen number)
<b>1122NOBATTERY</b>	Turns off low battery warning text
<b>1122BATTERY</b>	Turns on low battery warning text
<b>1122OUT1ON</b>	Sends one pulse output from pager
<b>1122OUT2ON</b>	Turns on constant output from pager
<b>1122OUT2OFF</b>	Turns off constant output from pager
<b>RESET</b>	Re-sets pager to factory defaults

## WIRING CONNECTIONS

WIRE	AFTERMARKET ALARM	OEM/FACTORY ALARM
<b>YELLOW</b> (-) default	To alarms 'ground when armed' (-) <i>If security system does not have this output, connect as OEM.</i>	Siren Input (-) Set polarity by internal 'jumper' (Access module from antenna end)
<b>BROWN</b>	Connect to alarms siren output (+)	N.C.
<b>BLACK</b>	To chassis ground (-)	To chassis ground (-) <b>and cut loop</b>
<b>RED</b>	To constant fused power supply (+)12v	
<b>BLUE</b>	(-) 500mAmp 0.8 sec' pulse output	
<b>GREEN</b>	(-) 500mAmp constant output	
<b>RED/WHITE</b>	N.C.	Ignition (+)



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## INSTALLATION

This GSM text pager can be connected to almost any aftermarket vehicle security alarm system, the car manufacturers factory alarm, home alarm systems or used of its own for unlimited applications.

Depending on the alarm type, the method of installation wiring differs, please see the applicable wiring diagram.

### Vehicle installation

1. Choose a mounting location for GSM module in a concealed location under the dashboard. Do not place near vehicle computers or similar.
2. Mount the on-glass flat antenna horizontally behind the interior mirror or other suitable location. Keep 5cm away from the metal body of the vehicle for better reception. Hide the antenna cable around the windscreen surround.
3. The blue LED should be positioned and mounted where it does not cause a distraction whilst driving.
4. Mount the battery back-up pack in a location where the batteries can be changed (battery is non-rechargeable)
5. Make all connections as shown in the appropriate wiring diagram

Insert the SIM card correctly – contacts side up, as shown.  
To remove, press indent release by side of card.

**Always disconnect power when inserting or removing.**



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## BATTERY BACK-UP PACK

If the vehicle battery is disconnected or becomes too low, the MTP4 will operate from its battery back-up for a reasonable time period (actual time depends on battery age and usage). The battery pack uses a 9v alkaline battery (non-rechargeable), so access to it at some time in the future is required. Choose a handy suitable location and secure appropriately. We suggest an annual test to ensure sufficient battery power is available.

## OPTIONAL 'OUTPUT' CONNECTIONS

Blue wire: (-) low current 500mAmp negative pulse output. Can be used for unlocking doors, boot release, window wind-up, or other application requiring a pulse signal. (Optional relays may be required)

Green wire: (-) low current 500mAmp negative constant output. SMS text messages turn this output on or off. Typical use is to turn on lights, sound a siren or control a relay for say a text controlled engine immobiliser.

## INITIAL POWER-UP & TESTING

1. The SIM card must be inserted before any plug or battery connections are made or SIM card damage will occur.
2. When power is connected, the pager will search for a mobile network site which is indicated by the blue LED lighting solid – see LED flash codes.
3. The mobile phone which is to receive text messages must now be 'paired' to the pager (see PAIRING).
4. Test all functions as shown on the 'command chart'

*(\*) If the vehicle owners mobile phone is available when installing 'pairing' can be carried out from any mobile phone. Re-pair when the owners mobile phone is available.*

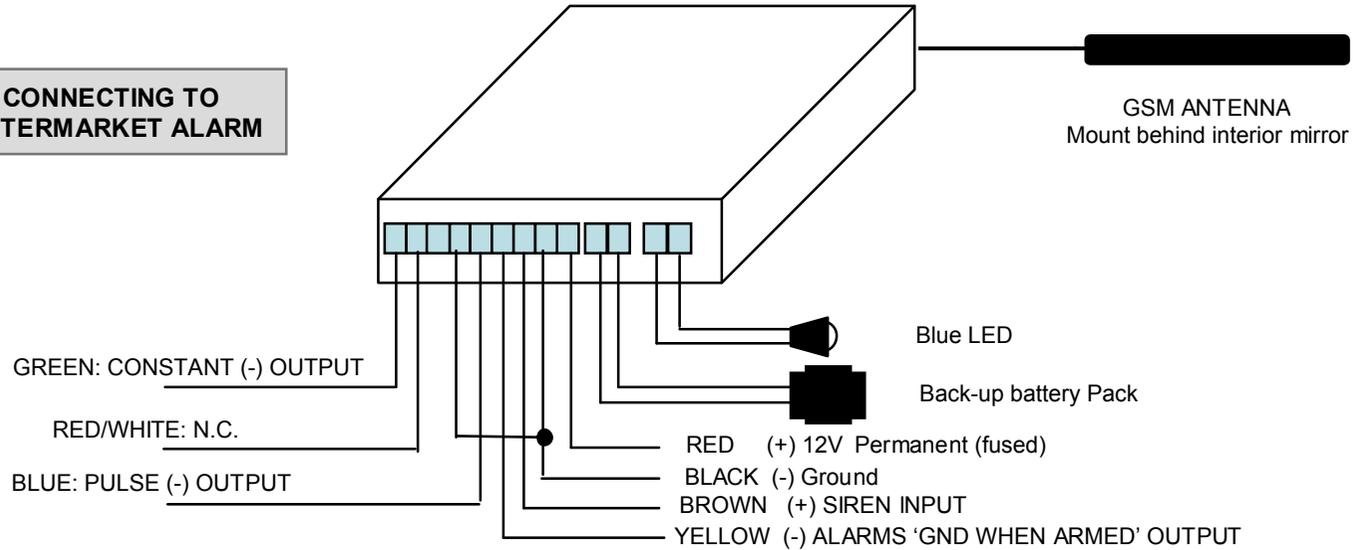
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**Warning:**  
Interfering with the electrical system of your vehicle may cause damage to it or this product, or infringe the terms of any warranties. If in doubt, we suggest you seek advice from your Mongoose dealer prior to installing this product.

Model: **MTP4**

**CONNECTING TO AFTERMARKET ALARM**



**CONNECTING TO OEM FACTORY ALARM**  
Cut loop wire

