

USER COMMANDS TO PAGER

1122#1	Initialisati on code – 1 trigger only
1122#2	Initialisati on code – 2 triggers
1122#3	Initialisati on code – 3 triggers
1122#N	Initialisati on code – unlimited triggers
1122PXXXX	Change password (XXXX is chosen number)
1122NOBATTERY	Turns off low battery warning text
1122BATTERY	Turns on low battery warning text
1122VSON	Turns on 'standby' if low voltage detected
1122VSOFF	Turns off 'standby' if low voltage detected
1122STANDBY	Disconnects pager from network
1122OUT1ON	Sends one pulse output from pager
1122OUT2ON	Turns on constant output from pager
1122OUT2OFF	Turns off constant output from pager
RESET	Re-sets pager to factory defaults, inc' password

All user commands to be **UPPERCASE**
If you change the default password from 1122, commands
in this manual commence with your new password.



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March 2007



Model: **MTP-3**
12 or 24 volt

2 WAY MOBILE PHONE GSM TEXT PAGER

OPERATION AND INSTALLATION MANUAL



Requires a GSM SIM card
Not supplied

The Mongoose MTP-3 is designed to send GSM warning text messages to your mobile phone if your vehicle alarm system sounds or your vehicle battery becomes low on power*.

The MTP-3 also has two text controlled outputs which have the ability to say unlock the doors if the keys are inside, turn vehicle lights on or control other relay operations – your installer can advise what is possible.

This pager has been designed to operate with all Mongoose alarms, selected Mongoose immobilisers and compatible factory fitted vehicle alarm systems. It should also be compatible brands/types of security systems or for non-vehicle applications.

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

Recommended for professional installation but may be installed by suitably skilled persons.

*Low battery warning feature not applicable to 24 volt vehicles.

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Mongoose does not by inference, intent or any other means guarantee the delivery of text messages, that a vehicle fitted with this product will not be stolen, broken into, tampered with, or parts taken nor be liable for any compensation for any loss.

We advise adequate insurance cover and other security measures.

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.

Do not use this product where cellular products are prohibited.

If prohibited, use 'manual stand-by' (page 6) to turn off GSM connection
Do not disassemble this product. Warranty void if manufacturers seals broken.

For service, see your Mongoose dealer.

WIRING CONNECTIONS

WIRE	AFTERMARKET ALARM/ UPGRADE	OEM/FACTORY ALARM
YELLOW SET / UNSET	To alarms 'ground when armed' (-) <i>If security system does not have this output, connect as OEM.</i>	To vehicles ignition wire (+) which switches to ground when ignition is off Re-set 'jumpers'
BROWN	Connect to alarms horn/siren output Polarity set by jumpers, (+) is default	
BLACK	To chassis ground (-)	
RED	To constant fused power supply (+) 12v or 24v	
BLUE	(-) 500mAmp 0.8 sec' pulse output	
GREEN	(-) 500mAmp constant output	

LED	Mount where it can be seen by the driver but does not cause distraction whilst driving
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JUMPER	AFTERMARKET ALARM	OEM/FACTORY ALARM
SIREN/HORN POLARITY	Default:- (+) positive for (-) see diagram	
TWO x 2 PIN ALARM TYPE	Default:- 1+2 closed 3 open	Re-position both jumpers before wires are connected 1 open 2+3 closed

INSTALLATION – SEE WIRING DIAGRAM PAGES 7 & 8

TO INSTALL, THE FOLLOWING MUST BE AVAILABLE:-

- a) GSM SIM CARD FOR THIS PAGER (not supplied)
- b) VEHICLE OWNERS MOBILE PHONE (*)

1. Before wiring:- if necessary, re-position the jumpers for alarm type and siren/horn polarity.
2. Before power connection:- Insert the SIM card
3. Find a concealed mounting location for the pager module under the dashboard. Do not place near vehicle computers or similar.
4. 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.
5. The blue LED should be mounted where it can be seen from the outside but not cause a distraction whilst driving.
6. When powered, the pager will search for a mobile network site which is indicated by the blue LED lighting solid – see LED flash codes. Once GSM connected, LED does not flash unless the alarm is armed.
7. Mount in chosen position and test the pager for correct operation.
8. The mobile phone which is to receive text messages must now be 'initialised' (memorised) into the pager (page 6).

() If the vehicle owners mobile phone is not at hand when installing and testing, 'initialisation' can be carried out from any mobile phone. The vehicle owner will need to re-initialise the pager so that it communicates with their mobile phone and deletes the test phone.*

OPTIONAL 'OUTPUT' CONNECTIONS

(Relays may be required – not included)

Blue wire – low current (-) negative pulse output. Can be used for unlocking doors, boot release, window wind-up, or other applications requiring a pulse signal.

Green wire – low current (-) negative constant output. Text messages turn this output on or off.

Typical use is to turn on lights, sound a siren or other applications that require a relay to open and close.

SIM CARD (not supplied)

A GSM SIM card is required for this pager.

They are available on a range of pricing plans.

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 (eg: Vodafone). Fees may apply if professional assistance required.

The nominal amount of credit issued with a new Pre-Pay SIM card is generally sufficient until it's credit expiry and re-charge date. The cost of warning text messages are those charged by the SIM card supplier.

To prevent credit expiry, we recommend the Auto-Pay option if available for your SIM card.

Pre-Pay: This pager does not notify you if your credit has expired.

If credit has expired or has no credit remaining, the pager is able to receive commands but is unable to send replies or warning messages.

Please complete the enclosed 're-charge' reminder label and attach in a place in your vehicle easily seen by you.

Alternatively, if your mobile phone has a 'task reminder', set a re-charge date.

Add the SIM card number to your mobile phone 'contacts' list.

Before using the SIM card with the pager, insert it in a mobile phone and activate the card by contacting the card supplier either by phone or internet. Once activated, attempt to make a voice call – you may be prompted to set a password for the SIM card. Choose any number you wish and record it. Do not lock the SIM card.

Delete all text messages that may exist on the SIM card and insert it into the pager.

Once the pager is installed into your vehicle, the pager needs to be 'initialised' so it knows which mobile phone is to receive messages.

See 'To initialise the pager' – page 5.



CONTROLLING THE PAGER

ACTIVATE

Aftermarket alarms: Arm your alarm system

Factory alarms: Turn the ignition off

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

DE-ACTIVATE

Aftermarket alarms: Disarm your alarm system

Factory alarms: Turn the ignition on

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 and GSM connected <i>Does not flash this code whilst driving</i>
2 flashes	= In Stand-by (see page 6)
3 flashes	= Pager not initialised (see page 5)
4 flashes	= SIM card not inserted
Flickers 1 sec'	= Receiving text command
Flickers 2 sec's	= Sending text message

To prevent a distraction whilst driving, the LED does not flash when status is normal. It will only light whilst driving if an abnormal situation occurs, such as 'constant on' for no network connection.

If the LED is constantly lit when parking (no GSM connection), try moving your vehicle to a different location.

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.

INSTALLATION

COMPATIBLE ALARM TYPES

The pager is for +12v ~ 24v, negative ground vehicles only.

24 volt vehicles

The pager can be connected to 24 volt vehicles. The low battery warning system will not operate unless it detects 12.1v or less.

AFTERMARKET ALARMS & UPGRADES (PAGER DEFAULT)

- All Mongoose alarms are fully compatible.
- Any alarm with a 'ground when armed' alarm output. If the alarm does not have this output, the output can be either created by an ignition controlled relay, or configured as OEM type.

FACTORY ALARMS (OEM)

OEM factory alarms generally do not have any pre-warning, so the pager must be configured (jumper change) to only send the 'WARNING:- ALARM ACTIVATED' text message.

This setting should also be used for aftermarket alarms which do not have a pre-warning, or their output is not compatible, or you do not wish to receive the pre-intruded messages.

VEHICLE IMMOBILISERS

- All Mongoose remote controlled immobiliser models are fully compatible.
- The pager may also be connected to aftermarket and OEM factory engine immobilisers which have a suitable trigger output such as a siren or horn. Alternatively, it may be connected to the ignition to detect 'hot wiring'. Check suitability of other products before installation.

Warning:

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

FAQ's

Q: Does the pager remain connected to the GSM network at all times ?

A: Yes, the pager is always connected whether the alarm is armed or disarmed. The only time the pager is not connected to the network is when there is no cellular coverage, in 'Standby' or the pager's power is disconnected.

Q: If the blue LED lights solid, what does this mean ?

A: It indicates that there is no cellular coverage at your location and is a warning that text messages cannot be sent or received.

Q: Will the pager flatten my vehicle battery ?

A: The pager nominally consumes 10mAmps and a battery in good fully charged condition is not affected under normal vehicle usage. Power consumption reduces to 5mAmps when in Standby.

Q: If I turn off the pager's power, do I have to re-initialise it when power is restored ?

A: No, the pager remembers the last setting, but it is recommended to re-send the initialising code to confirm the pager is functioning normally.

Q: Can the pager send text messages to more than one mobile phone ?

A: No, it is dedicated to send messages to just one mobile phone. You can select or change which phone receives the warning text messages.

Q: What happens if I lock my keys in the car ?

A: If your vehicle has central locking and the pager has been wired for this option, just send 1122OUT1ON. The doors will unlock.

Q: Does a Pre-Pay SIM card have to be removed from the pager to re-charge it ?

A: Not necessarily, but check with the SIM card supplier. Some cards have to be removed to be recharged. Some card suppliers offer Auto-Pay which automatically re-charges the card when its value drops below a minimum value. (Check with your card supplier)

Q: What happens if my Pre-Pay SIM card has no credit remaining ?

A: The pager will not send any messages - of any type.

WARNING 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 main alarm is triggered (siren sounding fully).

"WARNING:- VEHICLE BATTERY LOW"

This message will be sent automatically if the vehicle battery drops to approximately 12.1v. Attend to the vehicle immediately. The pager then goes into 'Standby mode' to preserve your vehicle battery (see page 6).

NUMBER OF MESSAGES - AUTOMATIC RE-SET

The pager will send an alarm warning text message each time your alarm system is triggered (see 'sleep time' below).

The number of triggers to which the pager will send warning messages is selected by the chosen initialisation code.

Once the selected number has been sent (unless 'UNLIMITED' is selected), it will not send further warning messages until the pager is re-set. It re-sets when the alarm is disarmed and re-armed (aftermarket alarms) or when you turn the ignition on/off (factory alarms).

SLEEP TIME

To avoid too many text messages, the pager 'sleeps' for 5 minutes between each alarm trigger type. For example;

- If a 'pre-warning' trigger occurs, the pager will send a warning message.
- If a 2nd 'pre-warning' trigger occurs within 5 minutes, it will not send a message.
- If a 2nd 'pre-warning' trigger occurs after the 5 minute sleep time, it will send a 2nd message.

However, if a main trigger occurs within the sleep time of a pre-warning trigger, the 'alarm activated' text message will be sent immediately.

The main trigger then 'sleeps' as described above.

Sleep times are re-set when the alarm is disarmed and re-armed.

TO INITIALISE THE PAGER

Select an initialising code from the chart below.

- You can change your selection at anytime by sending a new code.
- 2) From the mobile phone that is going to receive the alarm messages, text the selected code to the pagers SIM card phone number.
 - 3) The pager replies with “**NUMBER SET OK**” (allow time for reply – depends on cellular traffic)

	AFTERMARKET ALARMS	FACTORY ALARMS
Initialising codes	Number of triggers for each “alarm pre-intruded” & “alarm activated” messages	Number of triggers for “alarm activated” messages
1122#1	1	1
1122#2	2	2
1122#3	3	3
1122#N	No limit to number of triggers	

CHANGE THE PASSWORD

To prevent someone from changing your pager settings, it is recommended that you change the pagers default password. The password can only be changed after carrying out ‘initialisation’ above.

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 detailed in this manual 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

TO DISABLE THE LOW BATTERY WARNING MESSAGE

If you do not wish to receive the low vehicle battery warning messages, send this text command (this command only turns off the warning message – all other functions operate normally):-

1122NOBATTERY

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

To re-enable low battery message send:-

1122BATTERY

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

TO DISABLE THE LOW BATTERY STANDBY MODE

Normally the pager will enter ‘STANDBY’ (see page 6 of the manual) after a low battery voltage is detected and disconnects itself from the GSM network to help preserve your vehicle battery power. You can disable this ‘Stand-By’ by sending the text;

1122VSOFF

When OFF, if the pager detects a low vehicle battery, it will send the warning text message, unless that has also been disabled (see above).

To turn back on, text the command; **1122VSON**

GLOBAL RE-SET

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

RESET (all in upper case – no password)

Pager replies to sending mobile phone with ‘**RESET OK**’.

The pager then needs to be re-initialised 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, once executed, are automatically deleted from the pagers SIM card memory.

CHANGING WHICH MOBILE PHONE RECEIVES THE TEXT MESSAGES

From the new mobile phone, send an initialisation code shown on page 5. The pager will reply to the new mobile phone. Previous mobile phone is now deleted and will not receive messages. To return to the original mobile phone, just repeat this procedure.

PAGER CONTROLLED OUTPUTS – OPTIONAL CONNECTION

The MTP-3 has provision for two text controlled outputs. Use of these outputs depends on the equipment level of the vehicle or other accessories fitted. Additional charges and parts may apply. Typical uses are:- to unlock a door if your keys are inside, to open the boot if it is electrically operated, to close the windows, to turn on vehicle lights or to sound the horn or siren. Please discuss possible uses with your installer.

OUTPUT 1 500mAmp low current 0.8 sec' (-) pulse output.
A typical use is to unlock doors.
Text the command **1122OUT1ON**
Pager replies with **"OUTPUT 1 ACTIVATED"**

OUTPUT 2 500mAmp low current continuous (-) output when 'ON'.
Typical use is to turn vehicle lights on, or to control other relay operations.
Output 2 is turned ON or OFF by text messages.

To turn ON, text the command **1122OUT2ON**
Pager replies with **"OUTPUT 2 IS ON"**

To turn OFF, text the command **1122OUT2OFF**.
Pager replies with **"OUTPUT 2 IS OFF"**

OUTPUT 2 MANUAL OVERRIDE

If output 2 is ON and GSM communication is not possible when you wish to turn output 2 OFF, you can manually override the output as follows:
After market alarms:- arm/disarm alarm 5 times
Factory alarms:- turn ignition on/off 5 times

STAND-BY MODES

'Stand-by' is designed to preserve vehicle battery power by reducing the pagers power requirements. When in 'Stand-by', the pager is disconnected from the GSM network and cannot receive commands.

'NO SIGNAL' STANDBY

If park your vehicle in a location where there is no network coverage, the blue LED will light constant to warn you. Moving the vehicle just a few metres may restore coverage, just like mobile phones. When the alarm is armed, the pager attempts network connection for 5 minutes and if unsuccessful will enter 'Stand-by'. When in this mode, the pager will attempt a network connection every 60 minutes. If the alarm system is activated whilst in this mode, the pager will attempt a network connection and try to send a warning message. The message will be sent next time the pager connects to the network.

'LOW VEHICLE BATTERY' STANDBY

If the pager has sent the vehicle low battery warning text message, the pager will enter 'Stand-by' to help preserve existing vehicle battery power. If the alarm system is activated whilst in 'Stand-by', the pager will attempt to connect to the network and send an alarm warning message. As a reminder, it will also re-send the low battery warning. It will then re-enter 'Stand-by mode' after 5 minutes.
This mode can be disabled – see page 10.
Stand-by is automatically cancelled when normal battery power is detected by the pager.

'FULL TIME' STANDBY

If you do not intend to use your vehicle for some time, you can instruct the pager to go into 'Stand-by' immediately by sending the following text command to the pager:-

1122STANDBY

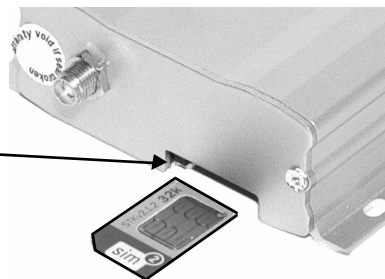
Pager replies with **"IN STANDBY MODE"**

If the alarm system is activated whilst in 'Stand-by', the pager will attempt to connect to the network and send a warning message. It will then re-enter 'Stand-by'.
This command is automatically cancelled next time you use your vehicle.

**REQUIRES GSM SIM CARD
(NOT INCLUDED)**

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

Always disconnect power before inserting or removing.



GSM ANTENNA
Mount behind interior mirror



Set polarity before wiring

SIREN / HORN POLARITY

(+) = 1+2 CLOSED, 3 OPEN
(DEFAULT)



(-) = 1 OPEN, 2+3 CLOSED



MTP-3

DO NOT DISASSEMBLE

Warranty void if manufacturers seals broken.

Set jumpers before wiring

AFTERMARKET ALARM

1+2 CLOSED – 3 OPEN
(DEFAULT)

1 2 3

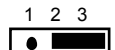


Polarity of yellow wire (-)
Enables pre-intrusion message

FACTORY ALARM

1 OPEN – 2+3 CLOSED

1 2 3



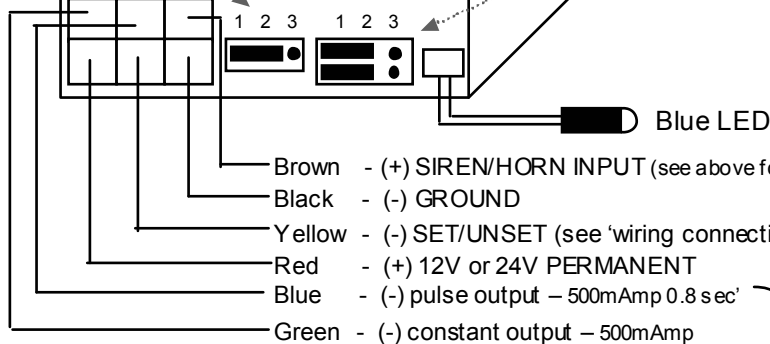
Polarity of yellow wire (+)
Disables pre-intrusion message

NOTE:

The pager is always powered and nominally draws 10mAmps (5mAmps in 'Standby').

An optional inline on/off power switch may be fitted to reduce current draw for periods of seldom or little vehicle use.

The switch must be hidden to prevent unauthorised use.



Brown - (+) SIREN/HORN INPUT (see above for polarity change)

Black - (-) GROUND

Yellow - (-) SET/UNSET (see 'wiring connection' table)

Red - (+) 12V or 24V PERMANENT

Blue - (-) pulse output – 500mAmp 0.8 sec'

Green - (-) constant output – 500mAmp

Relays may be required – not included