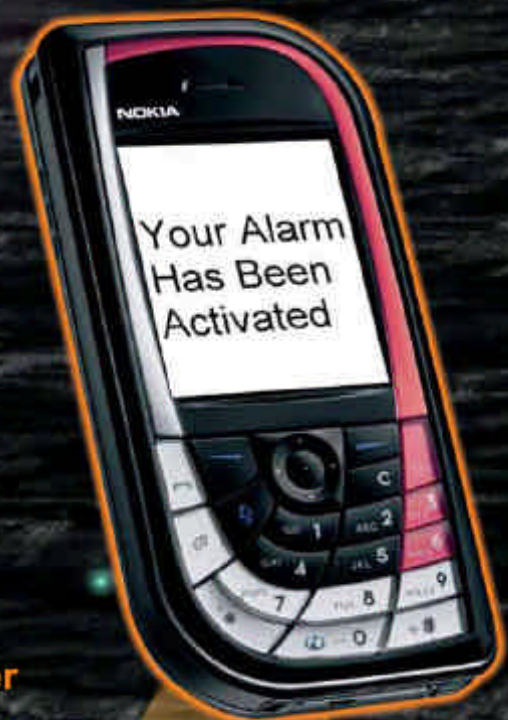


GPRS ALARM AUTO DIALER

A Complete Mobile Alarm Solution

- No landline required
- No internal wiring
- No monthly contract on-cost
- SIM with credit included
- External Fuse
- Internal Aerial
- Optional 102 db Sounder
- Custom Alarm Message
- Optional trigger devices available
- Powered by battery or mains adapter



The GPRS alarm Auto Dialer will contact single or numerous mobile or landline telephone numbers on alarm activation. This can be done on a cycle until one number accepts the SMS message or a group broadcast.

Metis GPRS Auto Dialer can also be added to any burglar alarm or other triggering device, and used on numerous applications even those without mains power i.e. boats, caravans, sheds, cars & garage etc.

Configuration of the telephone numbers, alarm message etc. is achieved by SMS message.

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Autodial configuration options

The AutoDialer must be configured before operation. Configuration information includes the polarity of the alarm input, a message to broadcast, and at least one mobile telephone number to SMS message on the event of an alarm input.

Configuration is made using SMS text message or via our online configuration utility.

AutoDialer Connections

Three wires connect to the AutoDialer. RED is the positive supply voltage. BLACK is the supply return. Yellow is the Alarm Input. The AutoDialer can accept any DC Voltage from 8 Volts to 35 Volts.



The Alarm connection can be configured to be active High, Low or open circuit.

Configuration from SMS text message

A simple SMS Message consisting of letters and numbers is used to configure the AutoDialer. After a configuration command has been sent to the AutoDialer it will respond with a Configuration Accepted or Configuration Rejected message.

The Configuration string starts with the word S E T and a colon. **set:**

The next character sets the Active level for the alarm input.

For example to set the input to active low (alarm input taken to ground), use:

set: 0,

To set the input to active high (alarm input taken to positive voltage of at least 12 Volts), use:

set: 1,

To set the input to active on Open Circuit, use:

set: 2,

The next parameter is the number of days between health messages. It is necessary for the AutoDialer to send a text at least once every 180 days to keep the SIM active on the network. For piece of mind the owner may wish to receive a text every week to ensure the AutoDialer is operational. A comma must follow this number.

For example to configure the AutoDialer to send a health message every week, text....

set:1,7,

The next parameter is the number of minutes delay between polling multiple numbers on alarm activation. The AutoDialer will start with the first number and continue to the last one with the pre-defined delay (in Minutes) until the word "OK" is sent to the AutoDialer. This function is intended for use with multiple Key holders. If you wish all numbers to be contacted immediately then enter 0 in this field.

If only One number is to be contacted, then this parameter will repeat messaging to the same number until the word "OK" is sent to the AutoDialer. If you wish just a single alarm message to be sent enter 0 in this field.

For example to configure the AutoDialer to wait 2 minutes between contacting all mobile phones...

set:1,7,2



Metis Products GPRS AutoDialer

The next parameter is the message to send on the event of alarm activation. Any character is valid except for a “,” as this is used to indicate the end of the message. The string can be up to 60 characters long and followed by a comma.

For example to configure the AutoDialer to send the message “**Alarm activated at Unit 12 Sterling complex**”, text.....

```
set:1,7,2,Alarm activated at Unit 12 Sterling complex,
```

The final parameter(s) is/are the **telephone number(s)** to message in the event of an alarm. You can add up to ten numbers followed by the word End. **The telephone number(s) must start with +44 and not 0**, and each number is to be followed by a comma.

For example to inform telephone numbers **+441234567890** and **+441234098765** when an alarm event occurs text....

```
set:1,7,2,Alarm activated at Unit 12 Sterling complex,+441234567890,+441234098765,End:
```

Simply text the above SMS message to the telephone number of the SIM card in your AutoDialer, and on successful configuration the AutoDialer will SMS message you back, **AutoDialer Configuration complete.**



SMS Configuration error messages

`Configuration message contained too few parameters. Please see user guide`

This failure indicates that not enough fields were sent to the AutoDialer. The AutoDialer will expect at least 4 fields of data separated by commas. Field 1 is active high or low alarm input, Field 2 is the number of days between health messages (between 1 and 180), Field 3 is the Alarm Message to text, Field 4 (to Optional field 14) are telephone numbers to message on the event of an Alarm.

`Incorrect value for active High / active Low must be 1 or 0`

The first parameter of the configuration string must be a 1 or 0 to set active high or active low alarm input.

`Problem with Third Mobile Number Does not contain correct number of digits`

Each Mobile Phone number must have a + sign followed by 12 numbers.


Configuration of AutoDialer from website

From the website www.metis-products.co.uk follow links to the GPRS AutoDialer product page.

Metis Product range

- Home
- About Us
- Products
- Production
- Design
- Contact

GPRS / GSM Autodialer



- No landline required
- No internal wiring
- No monthly contract on-cost
- SIM with £5 credit included
- External Fuse
- Internal Aerial
- Connect to an existing alarm system
- Custom Alarm Message
- Compact Discreet Weatherproof enclosure
- Configuration and Health Monitoring via SMS Message

The GPRS alarm AutoDialer will contact from 1 to 10 mobile or landline telephone numbers on alarm activation. This can be done on a cycle until one number accepts the SMS message or a group broadcast.

Metis GPRS AutoDialer can be added to any burglar alarm or other triggering device, and used on numerous applications even those without mains power i.e. boats, caravans, cars & garage etc.

Configuration of the telephone numbers, alarm message etc. is achieved by SMS message.

AutoDialer can be triggered by a number of external sources

- Passive Infrared
- Reed Switches
- Pressure Mats

[GPRS Autodialer User manual pdf format](#)

[On-Line Configuration Utility for your Autodialer](#)

Unit 12 Sterling Complex, Farthing Road, Ipswich, Suffolk, UK. (0870) 2240660

Click on this link to connect to the On-Line Configuration utility.

Metis Products GPRS AutoDialer

From the configuration utility you can enter all the parameters for the AutoDialer. They will be stored on your PC using Cookies, so next time you visit the page your previous configuration settings will be restored.

The screenshot shows a web browser window titled "Configure GPRS Autodialer - Windows Internet Explorer". The address bar shows the URL "http://www.metis-products.co.uk/configuregsmAutodialer.aspx". The page content includes the following configuration options:

- GPRS Modem SIM Card Telephone Number:
- Alarm Input: Active High Active Low Active Open Circuit
- Number of days between Health Messages:
- Number of Minutes delay between Polled Messaging:
- Alarm Message:
- Mobile Contact Number #1:
- Mobile Contact Number #2:
- Mobile Contact Number #3:
- Mobile Contact Number #4:
- Mobile Contact Number #5:
- Mobile Contact Number #6:
- Mobile Contact Number #7:
- Mobile Contact Number #8:
- Mobile Contact Number #9:
- Mobile Contact Number #10:

At the bottom of the form, there is a button labeled "Press here to configure your GPRS AutoDialer".

When you have filled in all the configuration information, press the Configure button. Pressing this button will verify all the data then store it securely on our website.



Metis Products GPRS AutoDialer

To inform the AutoDialer that the configuration information is available to download from the website, simply call the telephone number of the AutoDialer SIM, and hang up when you hear the ring tone. The AutoDialer will send you an SMS message to inform you the configuration was successful.

To complete the configuration of your GPRS Autodialer, please call +447806810208 and hang up when you hear the ring tone

GPRS Modem SIM Card Telephone Number

Alarm Input Active High Active Low Active Open Circuit

Number of days between Health Messages

Number of Minutes delay between Polled Messaging

Alarm Message

Mobile Contact Number #1

Mobile Contact Number #2

Mobile Contact Number #3

Mobile Contact Number #4

Mobile Contact Number #5

Mobile Contact Number #6

Mobile Contact Number #7

Mobile Contact Number #8

Mobile Contact Number #9

Mobile Contact Number #10

Set:2,10,0,Your Home alarm has activated,+447928846338,end:

SMS Commands

The AutoDialer has built in command language to allow you to check its status and health.

Health command

To request GPS Signal strength and Alarm status text the word **health** to the AutoDialer. A typical AutoDialer response will be....

```
Status:  
Signal Strength = -92dBm (Good)  
Alarm input Active!  
AutoDialer is Armed
```

Time command

To set the time in the AutoDialer simply text the word **time**. The AutoDialer will use the time set on your mobile phone for its own internal clock. There is no response to this command.

Disarm Command

To disarm the AutoDialer, text **disarm**. No status message is returned, however you can verify the AutoDialer is armed or disarmed using the **health** command.

Arm Command

To arm the AutoDialer, text **arm**. No status message is returned, however you can verify the AutoDialer is armed or disarmed using the **health** command.

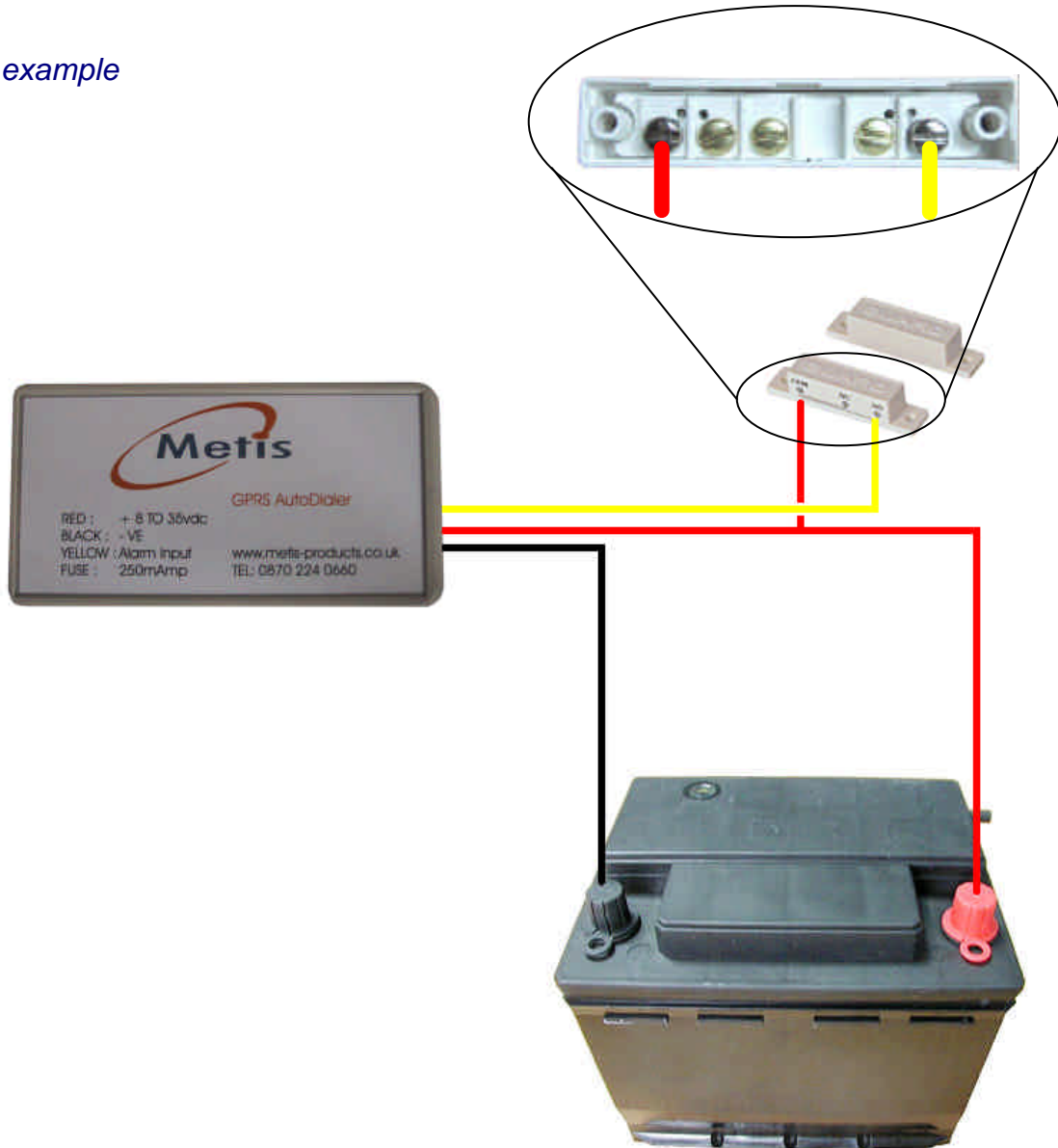
Alarm Acknowledge Command

To acknowledge alarm message has been received, text **ok** to the AutoDialer. This will prevent the AutoDialer from messaging any other numbers in its list.

Active High wiring example with Normally Open Reed Switch

In this configuration the Supply voltage is taken to the Alarm switch common, and the Normally open contact of the alarm reed switch is connected to the Alarm input. When the switch opens the Alarm input will be taken to a Positive Voltage (Active High). The AutoDialer will respond by sending a text message to the stored mobile telephone numbers.

Wiring example



Configuration SMS Message for this example will be:

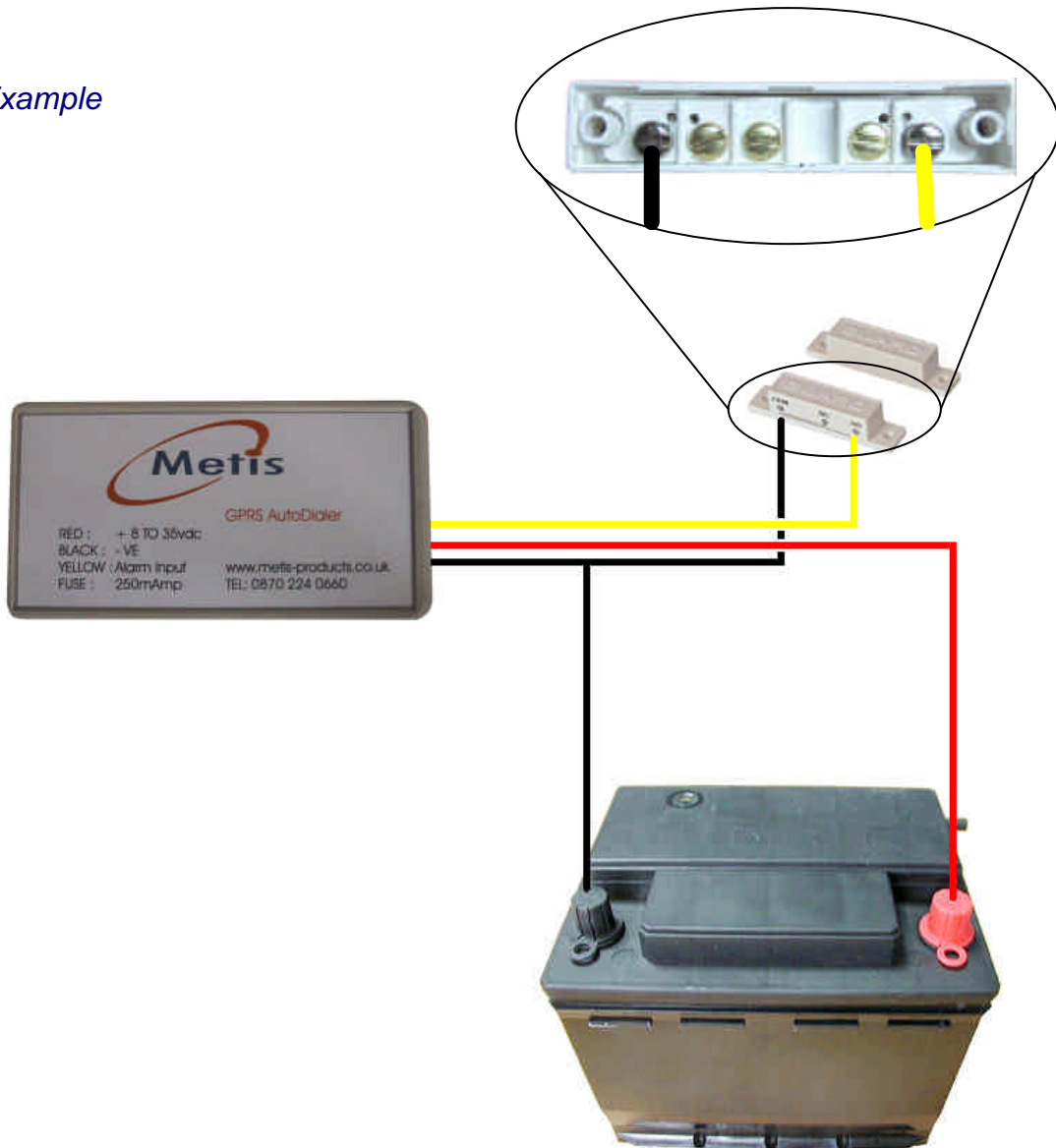
set:1,7,2,Alarm activated at Unit 12 Sterling complex,+441234567890,+441234098765,End:

1 is used to indicate active HIGH alarm trigger

Active Low wiring example with Normally Open Reed Switch

In this configuration the Supply Negative is taken to the Alarm switch common, and the normally open contact of the alarm switch is connected to the Alarm input. When the switch opens the Alarm input will be taken to Negative Voltage (Active Low). The AutoDialer will respond by sending a text message to the stored mobile telephone numbers.

Wiring Example



Configuration SMS Message for this example will be:

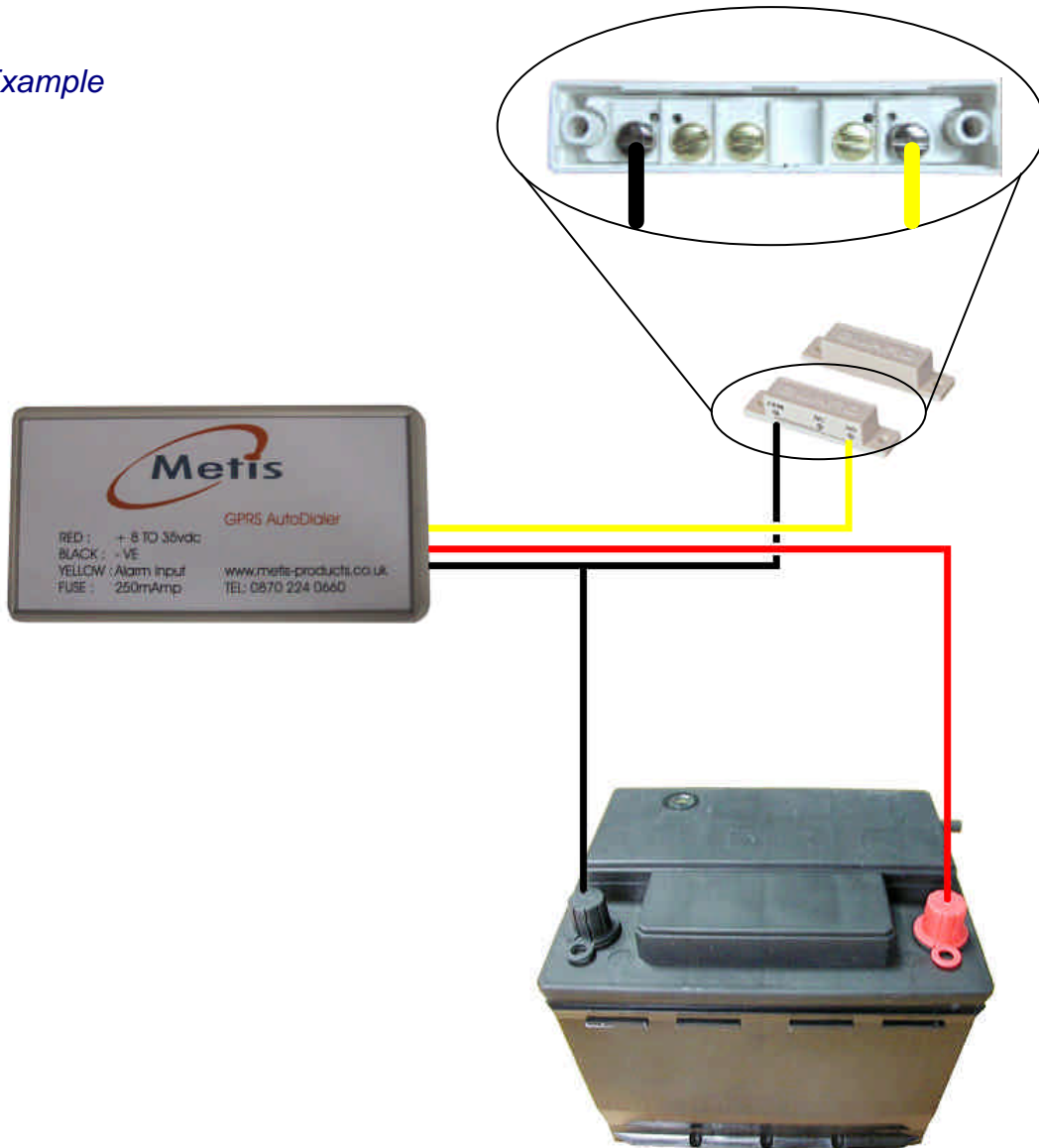
set:0,7,2,Alarm activated at Unit 12 Sterling complex,+441234567890,+441234098765,End:

0 is used to indicate active LOW alarm trigger

Open Circuit wiring example with Normally Closed Reed Switch

In this configuration the Supply Negative is taken to the Alarm switch common, and the normally closed contact of the alarm switch is connected to the Alarm input. When the switch opens the Alarm input will be disconnected from Supply Negative and go open Circuit. The AutoDialer will respond by sending a text message to the stored mobile telephone numbers.

Wiring Example



Configuration string for this example will be:

set:2,7,2,Alarm activated at Unit 12 Sterling complex,+441234567890,+441234098765,End:

2 is used to indicate active Open Circuit alarm trigger

Other triggering device examples

The AutoDialer can be wired up to a number of different triggering devices.

Pressure Mat

PRESSURE MAT, STAIR, 595X170MM

- Current rating:0.25A
- IP rating:IP64
- Power consumption:10VA
- Temp, op. max:+45°C
- Temp, op. min:-5°C
- Voltage, operating nom:25V
- Width, external:170mm



PIR

High-quality stylish PIR sensor.

- Dual element Pyro-electric sensor
- Advanced temperature compensation
- Patented independently floating thresholds
- Adjustable range detection of 5-12M
- Magnetically shielded relays
- Patented independently floating thresholds
- Sealed optics
- RFI immunity to exceed EN50130-4
- Alarm LED (selectable)
- 3mm electrostatic shielded case
- Operating temperature -30 to 70
- Storage temperature -40 to 80
- 5 year manufactures warranty
- Dimensions (LxWxD): 88x60x42mm
- Weight: 80g

How to Top up your SIM card

To order by phone
0845 6000 070



By credit or debit card

Once you've registered the details of your card, it's quick and easy to top up:
Online - visit Your Account to top-up at www.virginmobile.com

To start topping up with your credit or debit card, you'll need to register it, just visit Your Account and click on 'Register your Credit/debit card'.



By E-top up card

You can top up in loads more places. Plus, it's quicker, too.
You can use your E-top up card in:

- ?? Stores
- ?? Petrol stations
- ?? Corner shops



In fact, you can use it anywhere you see the green top up logo.
Here's how:

- ?? Give your E-top up card to the store assistant and let them know how much credit you'd like.
- ?? You can get as little as £5 or as much as £100 every time.
- ?? Pay as you normally would, then you're done! Easy.

At an ATM (cashpoint)

If you're a customer of NatWest, RBS, Lloyds TSB, Allied Irish Bank, Nationwide, Co-op and many other providers you can top up at any of their ATMs, and any LINK cash machine. Just stick your card in as normal, then select the top-up option instead of cash.