



Pivotell® Advance GSM Automatic Pill Dispenser

Introduction

The 'Pivotell Advance GSM' dispenser includes all of the enhanced security and display features of the Pivotell Advance dispenser and a GSM module which transmits text messages to up to three designated contacts (typically family members) and an e-mail if medication has not been dispensed from the device at the medication time. This enables appropriate action to be taken to check on the wellbeing of the individual before a potentially adverse event occurs which might otherwise require a paramedic or ambulance call-out.

The dispenser is programmed online using the Pivotell Administration Centre. The Administration Centre provides reports on the user's Medication Compliance, for example, it records the actual times when medication has been dispensed and when warning messages such as 'Dose not taken' have been sent. The full communications history between the device and the Administration Centre can be monitored.

Who is it for?

Pivotell automatic pill dispensers are highly effective in helping vulnerable adults remember to take their medication. Their use often results in improved health, more independence and a better quality of life.

Although the dispensers are used mainly by people with poor memory such as those with Alzheimer's and dementia, they also benefit patients with:

Parkinson's Mental health issues Learning difficulties
Physical difficulties Visual impairment Hearing impairment
and - patients with long-term medical conditions on a daily pill regime

Typical users of the Pivotell Advance GSM dispenser are those who may require more support than the stand alone Pivotell Mk3/11 or Pivotell Advance dispensers offer and who have concerned family members who are able and willing to respond to any alert message sent by the dispenser.

How does it work?

The 'Pivotell Advance GSM' dispenser can hold up to 28 days' supply of medication depending on how frequently medication is taken each day.

It is easily programmed online via the Pivotell Administration Centre which is used to set all of the functions including the time, number of doses per day and the alarm times, and to whom messages should be sent by Text and E-mail and in what circumstances.

If the medication has not been dispensed within the pre-set alarm period (the 'After' time – up to five hours) the GSM will initiate and Text and E-mail messages will be sent **to up to three family members or carers at the same time or at nominated times of the day.**

Main features include:

- **GSM MODULE** - sends Text and E-mail warnings to up the three family members or carers when:

Dose not taken	Device left upside down
Device error	Four doses only remaining
	Low battery warning

DOSE NOT TAKEN WARNING : The dispenser will send **two SMS (or Text) warning messages** to the up to three nominated responder's mobile phone numbers (**one of whom could be the user him or herself**) and one e-mail, if it has not detected, for example, that the dose has been dispensed after (a.) **half** of the programmed alarm period has elapsed and (b.) at the **end** of that period.

For example, if the alarm time is set for 2 hours, a 'Dose not taken' warning message will be sent after 1 hour and again after 2 hours. The first message gives the responder time to contact the user before the dispenser shutter locks (see SECURITY below).

- **SECURITY** – a self-locking shutter over the lid opening prevents access to the medication tray except at the time that medication is programmed to be available. This prevents the possibility of the user taking two doses too close together and the forced movement of the medication tray by the user.
- **DEVICE UPSIDE DOWN**- If the dispenser is upside down when the alarm occurs, the alarm will sound as normal but the internal tray will not move until the dispenser is turned upright. If more than one alarm time has passed whilst the dispenser has been upside down the dispenser will present the correct medication for that time. For example:

No. of Daily Doses 4 / Alarm Times: 0800 1200 1700 21.00

The dispenser is left upside at 0805 and placed upright at 1630. At the 1700 alarm time the tray will rotate two positions and present the 17.00hrs medication (the 1200 medication will move around out of sight and be inaccessible).

- **DISPLAY** - the LCD display visible though the lid allowing the user and carer to view:
 - the date and time,
 - the time that the next dose is due
 - number of doses remaining
 - the battery level

This LCD display feature is of particular benefit to carers / family members who can to make a visual check on the status of the dispenser without having to open it.

Dimensions:	Diameter – 190mm (7 ½ ins)	Height 56mm (2 ½ ins)	Weight: 489 gm
Volume	Approx 10ml per compartment		
Power supply	6V 4 x 1.5V Alkaline batteries or 4 x 1.2v rechargeable NiMH batteries		
Battery life	> 1 year		
Compartments	28	Maximum daily alarms	24



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