

# EkoTek for care homes

## Supplementary information

### Lone worker & staff protection



## Improve productivity with staff assistance calling, location reporting and identification with EkoTek's on-site solution.

Multitone's staff calling system improves response times to assistance calls and enhances the wellbeing of residents.

EkoTek is an easy-to-use, two-way wireless calling solution allowing residents and staff to call for assistance. With accurate location and identity capabilities, staff can quickly respond to a call from a resident or other member of staff attending to a situation within the home.

Other EkoTek features include the ability to log and report response times of a call, monitor the level of care and attendance provided to each resident, improve management of tasks and communication among staff.

EkoTek provides your residents and their families with an enhanced level of comfort knowing that assistance is always available, regardless of where they are in the facility.

EkoTek's two-way wireless operation is totally wire free, making for quick installation with a minimum of disruption.

In care home applications, Multitone's EkoTek solution helps provide the following:

- resident and staff assistance
- staff and resident location
- accurate alarm location
- message transmission to staff
- carer to carer calls
- indoor and outdoor operation
- logging and reporting
- discreet and non-intrusive
- single device call and receive
- easy-to-use and install
- totally wireless system

Call fob holder



Solar powered repeater



Call point



Charging rack



## Call fob

The call fob allows an assistance call to be generated either by the user pressing a button, or automatically by the dead-man or man-down features. Accurate location information is obtained from nearby repeaters. The call fob can also report the user's location to a web page as the user moves around, allowing user tracking applications such as staff or patient location to be implemented.

## Repeater

The repeater automatically forms the backbone mesh radio network, relaying messages to and from the hub. The network's physical layout is determined by the placing of repeaters, which may extend across floors and buildings. Repeaters are battery powered and do not need any wires, making installation very quick and low cost. Each repeater provides a location beacon signal for accurate location determination for alarm signals and also for tracking. Pull cord and alarm button models are also available.

## Snatch cord pager

The snatch cord pager is multi-functional, displaying received messages with acknowledgement, plus the ability to generate an alarm from the button, snatch cord (panic), dead-man or man-down features. The snatch cord pager display shows alarms from other snatch cord pagers and call fobs, allowing the user to accept the alarm and signal back to confirm that assistance is on its way.

## Hub

The hub is the system's central control unit. It displays assistance call messages, showing the calling user and location. Device configuration is stored on the hub and can be changed using a PC running web browser software such as Internet Explorer. Statistics and logs are collected and stored, and can be viewed using a web browser. Additional web browser functions include creation of pager messages, allowing messages to be sent to individual or groups of pagers and also location display to allow call fob or snatch cord pager users to be located. The EkoTek system may be extended using additional slave hubs for large site applications.



## Technical specification

Operation frequency:	2.4 GHz-16 channels
Radio power:	10 mW
Radio structure:	Self-configuring/repairing mesh for range and easy expansion
Hub interfaces:	DC power input, alarm contacts, serial to external paging system, antenna
Power:	All devices battery powered except for the hub which has an external DC power input and internal backup batteries for operation during mains failure

Multitone Electronics plc, Geddes House, Kirkton North, Livingston, West Lothian, EH54 6GU

Tel: +44 (0)1506 418198 Fax: +44 (0)1506 411711 Email: [info@multitone.com](mailto:info@multitone.com) Web: [www.multitone.com](http://www.multitone.com)

This brochure is for guidance only. Products and services offered are subject to availability and may differ from those described or illustrated in this brochure as a result of changes. Specifications are subject to change without notice. Multitone Electronics plc is part of Kantone Holdings Ltd, a member of the Champion Technology group of companies. Registered office: Multitone Electronics plc, Shortwood Copse Lane, Kempshott, Basingstoke, Hampshire, RG23 7NL. Registered in England No. 256314.

Literature No: NPL054 Issue: 02



Cert No. FM20122