



**The Castle Care-Call home unit has been designed to protect and assist people living in their own homes and can be used with or without an ordinary telephone.** It enables people who already have a telephone line to make outgoing telephone calls or alarm calls, via the Castle Care-Call home unit keypad. It is simple to use and can be operated either by pressing the large illuminated red button on the home unit itself, giving hands-free speech and alarm call features, or by using the pendant or pull cord when the Castle Care-Call home unit is out of reach. In either case the user is provided with peace of mind and reassurance that the call is being processed by both visual and audible indications.

#### **Home Unit.**

- High quality two-way speech
- Up to six speech triggers per home unit
- Audible and visual confirmation of alarm call raised
- Programme up to ten emergency telephone numbers
- 6 fast dial memory keys
- Ability to record alarm messages
- Volume setting on home unit
- 1 Wired input to allow connection to ancillary intruder and monitoring devices.
- 1 Wired output will trigger external devices
- Automatic alert of power and telephone failure

#### **Pendant & Pull Cord.**

- Enables hands-free two-way digital speech communication
- Adjustable speaker volume
- Up to 4 speech triggers can join in an emergency alarm conference call
- Speaker and sensitive microphone housed in the pendant
- Audible and visual indicators during an alarm call
- 50 metres range



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**Operation.** Pressing the red button on the Castle Care-Call home unit automatically dials either the designated Alarm Receiving Centre or any of ten personal pre-set telephone numbers such as a friend or relative. The home unit will continue to dial the personal pre-set numbers in sequential order until somebody answers the call. The Castle Care-Call home unit contains a powerful loudspeaker and sensitive microphone, so that the user is able to carry out a hands-free two-way conversation.

The pendant works by sending a radio signal to the home unit which will then activate the call. The Castle Care-Call unit houses a sensitive microphone and speaker, allowing handsfree two-way digital communication. This allows an operator or end user to verify an alarm condition and provide detailed, possibly life-saving information to the emergency services or any other responders.

The Castle Care-Call pendant allows users to make alarm calls in an emergency within the boundaries of the wireless operating system, some distance from their home unit. It automatically interrupts and cancels any outgoing calls made from the home unit, including any other alarm calls if made by the users hardwired alarm system, once the panic button on the pendant is pressed.

The Castle Care-Call home unit has six fast dial memory keys and can interface with additional hardwired peripherals, such as external security sensors or alarm systems, making this system the most technically advanced social alarm system to date. Additionally, if the Castle Care-Call home unit is in use on an outgoing call, the call will be automatically cancelled so that the alarm call from either the home unit or the pendant takes priority.

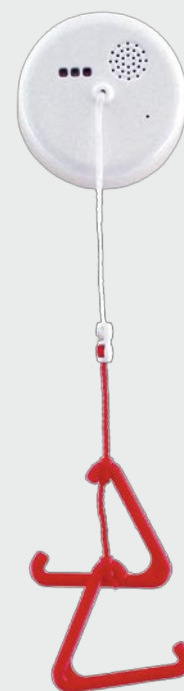
**Speech Pendant.** The Castle Care-Call pendant panic button is surrounded by a protective rim and is activated when the panic button is pressed for one second. This has been designed into the system to prevent activation when the pendant is dropped or accidentally pressed, which will minimise false alarm activations.

One of the unique selling points of the Castle Care-Call pendant is that it has three Light Emitting Diodes (LEDs) which inform the user what is going on after the panic button has been pressed. On pressing the panic button for a period of one second all three LEDs, red, orange and green, will illuminate for three seconds along with an audible tone. The orange and green LEDs will then go off, leaving just the red LED illuminated. On receipt of the alarm signal from the pendant the home

unit will start to dial the pre-programmed telephone numbers and inform the user that it is doing so by only the orange LED being illuminated. Once a connection has been made and recipient has pressed the \* key on their telephone accepting the alarm call, the Castle Care-Call home unit will then send a signal back to the pendant and now only the green LED will be illuminated, informing the user that they can now speak into the microphone on pendant and listen to the monitoring station or the recipient via the loudspeaker within the pendant.

The Castle Care-Call pendant has a built in battery management system, giving an audible and visual alarm and will automatically transmit a low battery status to the Castle Care-Call home unit where it will be displayed on the home unit display during an alarm condition only. If the Home unit has been programmed to dial an Alarm Receiving Centre, then they will be automatically alerted at the same time.

**Speech Pull Cord.** This works in a similar manner to the speech pendant except that it can be attached to the ceiling and you pull the cord to raise an alarm. The in-built microphone allows the user to speak to the recipient or Alarm Receiving Centre and also to hear via the in-built speaker. The pullcord should be pulled until the red, green and amber indicators flash and two beeps are heard. These indicators also show the progress of the alarm call, in the same way as those on the speech pendant.



**Potential Users.** The Castle Care-Call system has a number of potential professional and industrial applications. These applications are varied and include improving the quality of care and lifestyle of people suffering from various health conditions including the elderly, the physically challenged and the chronically ill. Castle Care-Call also offers protection to users both young and old such as latch-key children, young families, bank personnel, post office staff, supermarkets and isolated retail outlets, nursing homes, hospital staff and teachers.

### Base Unit Details.

Weight	850g
Dimensions	L = 240mm W = 172mm HT = 45mm
Mains Power	120/240V ac, 13A electrical socket
Standby Power	7.2V 1200mAh capacity (continuously internally recharged).
Backup Time	5 hours of standby operation.
Carrier Frequency	1.9ghz (DECT)

### Pendant Details.

Weight	70g (including batteries)
Dimensions	90mm x 57mm x 15mm
Alarm Button	20 mm diameter
Carrier Frequency	1.9GHz (Dect)
Range	50m in building (typical) 200M free space
Batteries	3 x AAA Super alkaline batteries
Wearing Options	Comes complete with passive neck cord, belt clip and wall mount

### Standards.

ETSI 301 489-6: 2002, ETSI 301 406: 2003, EN 50130-4: 1995 + A1 + A2, EN 60950-1: 2001, EN 50371: 2002

### Installation.

Location	Near a standard telephone or by itself
REN	1
External connections	3m telephone line cord Plug top transformer with 3m cable

### Environment.

Temperature	Operating temperature (to perform to full specification) = 0°C to 45°C
Storage	= -10°C to 50°C
Humidity	Operating relative humidity (non - condensing) to perform to full specification = 0 to 80% Storage relative humidity (non - condensing) = 0 to 93 %



For further information, visit [www.castle-caretech.com](http://www.castle-caretech.com)