

Introducing the Liberty<sup>300</sup> alarm,  
Tunstall's first tri-connection  
home medical alarm unit.



Liberty<sup>300</sup>

Freedom to live your life

**Tunstall**

# What is the Liberty<sup>300</sup> alarm?

The Liberty<sup>300</sup> is Tunstall's first tri-connection home medical alarm with connection options via mobile 3G GSM, traditional landline (POTS), and Ethernet.

## How does it work?

The Liberty<sup>300</sup> is Tunstall's first tri-connection home medical alarm unit. With connection options via mobile 3G GSM, traditional landline (POTS), and optional Ethernet, it is our most technically advanced and flexible base medical alarm.

The Tunstall Liberty<sup>300</sup> alarm is designed to assist people to maintain their independence in the home.

With both 3G GSM and POTS technology, the Liberty<sup>300</sup> provides users with greater reliability and connection support, enabling connection to the GSM network as well as a traditional phone line, along with the optional Ethernet interface for data.

When the Liberty<sup>300</sup> is activated in an emergency, it dials the 24-hour response centre putting the user in contact with a response operator, who will aid the client by assessing the situation and contacting the necessary responders to assist.

Each Liberty<sup>300</sup> is supplied with a personal radio trigger that can be worn on the wrist or around the neck as a pendant, allowing the user to activate an alarm call from anywhere in the house, without having to struggle to a phone. There is also an optional vibrating pendant available for use with the alarm.

The pendant can be fitted with our easy-press adapter, a silicon case that improves the sensitivity of the alarm button for those with limited hand or finger movement.

Our Liberty<sup>300</sup> fall pendant can be paired with the alarm, automatically generating a call for assistance if a fall is detected.

Alternatively, the alarm can be activated by the red help button on the base alarm unit.

Once an alarm call is raised, the user can then speak hands-free with the response operator who will summon the appropriate help.

The Tunstall Liberty<sup>300</sup> includes one hard wired connection and interfaces with 15 radio sensor inputs, allowing it to monitor a wide range of specialty sensors in the home.

Passive infrared sensors can be added to monitor movement and departure from a premises, and wireless smoke alarms can link to the alarm and 24/7 monitoring centre, creating a 'smart home' environment to ensure the safety of residents.

Using plug and play technology, sensors can be easily added, catering to the changing needs of the individual client.

## Who is it for?

The high degree of flexibility offered by the Tunstall Liberty<sup>300</sup> alarm means a wide variety of users can benefit from the state of the art technology, including:

- older people or those living with a disability
- individuals who have been discharged from hospital and require additional support
- people working alone
- those with long-term conditions.



# Tri-connection technology

The Liberty<sup>300</sup> incorporates 3G GSM, POTS and optional Ethernet technology, providing greater reliability and continuous connectivity options in the event of telephone line failure.

Key features	Liberty <sup>300</sup>
Reminder facility – reminds the user about key information e.g. medication times through the use of automatic reminder messages that require user confirmation for added peace of mind	✓
Basic inactivity monitoring – checks for inactivity over a 12 or 24 hour period	✓
Event based configuration – all events are configurable to select the required behaviour and response to events	✓
Intruder alarm functionality – a simple to use zoned intruder system that can be armed by a press of a personal radio trigger to give additional user protection and reassurance against the fear of crime	✓

## Connectivity features

- Hardwired input – for connection from other devices
- Hardwired output – for connection to other devices
- Multiple connection options – with 3G GSM, POTS and optional Ethernet connections
- IP connectivity – The Liberty<sup>300</sup> integrates seamlessly to Tunstall's call management platform, PNC over both voice (POTS and GSM) and data (GPRS and optional Ethernet)
- Optional Ethernet interface – enables the alarm to connect via the broadband network to the monitoring centre

## Service support features

- Automatic warning alerts – the unit alerts the user to mains and line connection failure/resumption with a visual signal
- Easy switching between hands-free and handset mode – hands-free calls can easily be made private by picking up the handset of an attached telephone
- Technical call queuing – if the telephone is in use, non-critical calls (e.g. low battery warning) will be queued until after the call has ended

## Safety features

- 915-928 MHz frequency – compatible with the Liberty<sup>300</sup> range of telecare sensors
- Radio reliability – the AS4268.2012 radio receiver ensures that signals from sensors are reliably received
- Backup battery monitoring (40+ hours) – unit reports the status of its backup battery to the monitoring centre
- Long range pendant – the pendant has a range up to 300 metres from the alarm unit in open air
- Water-resistant pendant – the pendant is also water-resistant up to one metre, enabling it to be worn in the bathroom where most falls occur

## Programming and installation features

- Plug and play registration – telecare sensors can be assigned quickly and easily, reducing installation times
- Local and remote programming – via Liberty<sup>300</sup> programming software
- Range test features – allow the radio range of the pendant and telecare sensors to be easily tested
- Wireless telecare sensors – Up to 15 wireless telecare sensor inputs can be linked to the home unit

## Technical details

### Liberty<sup>300</sup> alarm unit

**Weight:**

590 g (including battery)

**Dimensions: (LxWxD)**

286 x 174 x 38 mm

**Radio Frequency:**

915 - 928MHz frequency band

**Radio Range:**

100 - 300 metres in open air (subject to environmental conditions)

**Mains Power:**

9V DC 300mA with integral earth

**Standby Battery:**

4.8V 1600mAh rechargeable Ni-MH

**Backup Battery Time:**

AS4607 compliant 40 hours

**Operating Temperature Range:**

Ambient temperature range 0°C to +50°C

### Available sensors and accessories

- Pendant, neck chain and wrist strap (included)
- Fall detector pendant
- Vibrating pendant
- Wired smoke alarms
- Wireless smoke alarms
- Passive infrared sensors
- Easy-press adapter

## Standards

**Telecommunications:**

AS/CA S002:2010 inc Amendment No.1 2012, AS/ACIF S004-2008, PTC200:2006

3G: Dual-Band UMTS/HSDPA 850(800)/2100MHz

GSM: Quad-Band GSM/GPRS/EDGE 850/900/1800/1900MHz

**EMC:**

AS/NZS CISPR22:2009, EN55024:2010, EN55022:2010, EN61000-3-2:2006 +A1:2009 +A2:2009, EN61000-3-3:2008

**Safety:**

AS/NZS 60950.1:2011 + A1:2012

**Radio (main unit and pendant):**

AS/NZS 4268: 2012

**CE:**

Compliant

**Design, Manufacture, Installation and Service:**

ISO9001:2000, AS4607

**Warranty:**

24 month warranty

**Part Numbers:**

Liberty<sup>300</sup> alarm 106-288

Liberty<sup>300</sup> pendant 106-183

Liberty<sup>300</sup> alarm battery 142-031

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