



# Orion Range Extender 869

## What is it?

The Orion Range Extender uses antenna diversity technology to boost the signal of telecare sensors, significantly increasing their range. This product helps to ensure that those crucial lifesaving alerts do not go undetected.

## How does it work?

The two antennas feed one receiver orthogonally placed for horizontal & vertical polarisation and then re-transmits at an increased power to provide reliable radio coverage, the siting of the repeater is important to ensure uniform coverage.

This product will work with 869 MHz installations and connect to Tunstall's CareAssist. It is not compatible with 173 MHz installations or Carecom.

## Features

- Antenna diversity - the use of orthogonal antennas for the more reliable reception of radio signals. Orion uses two separate antenna fixed orthogonally and feeding two separate radio receivers.
- Compatible with the Lifeline Smart Hub, Vi, Vi+, GSM, Connect, Connect+, 400 and 4000+, CareAssist and Tunstall Group Living systems (except Carecom)
- 12 hour battery back up
- Reception range - up to 800m line of sight
- Class 1 Radio category

## Benefits

- **Antenna diversity** architecture offers very reliable radio reception and re-transmission.
- **Increased radio range** for telecare sensors and peripherals.
- **Peace of mind** helps ensure crucial life saving alerts are not missed.

## Why Tunstall?

We focus on using the latest digital and mobile technology to enable people to feel safe, secure and independent, giving them the freedom to live the life they choose. Our products combine se-cure digital connectivity and mobile platforms.

## We help you provide...

- **Intelligent, unobtrusive, person centred care.**
- **Personalised, proactive and predictive services to improve quality of life.**
- **Integrated health, housing and social care.**

For more information please visit:

[tunstall.co.uk](http://tunstall.co.uk)

## Specification

### Technical

**Dimensions:**

65mm x 120mm x 60mm (WxHxD)  
excluding antennas which are 190mm long

**Weight:**

290 grams

**Radio frequency:**

869 MHz

**Power supply:**

Standard Mains 13A Socket

**Battery Backup:**

12 hours

**Reception range:**

Up to 800m Line of Sight

### Standards

**Radio receiver category:**

Channel 1: Class 1  
Channel 2: Class 2

**Design, manufacture, installation and service:**

CE

**Operating temp range:**

-10 C to + 40 C

**Part number**

**Range Extender**

94605/10



Tunstall Healthcare (UK) Ltd is a member of the Tunstall Group.

Contact us on: **t: 01977 661234** | **e: [enquiries@tunstall.com](mailto:enquiries@tunstall.com)** | **w: [tunstall.co.uk](http://tunstall.co.uk)** | **@TunstallHealth**

Our policy of continual development means that product specifications and appearance may change without notice. Tunstall does not accept any responsibility for any errors and omissions contained within this document.

Version v41019