



## Brentwood communications Ltd

### Hospital comments...

"We are delighted with the radios, they are very reliable and easy to use"

### Receive up to £40 OFF per radio

when part exchanging against MOTOTRBOs.

**Call us now on:  
0800 0747 312**

### FREE Catalogue

Request our FREE Radio Catalogue.

**Call us now on:  
0800 0747 312**

### Business Needs



A medium secure hospital approached Brentwood Communications when they required a reliable and secure radio system with the ability to offer private, group and Emergency Calling along with GPS functionality that provided 100% coverage throughout their entire site.

For health and safety reasons the hospital management needed to know exactly where the staff were at all times and needed to be able to react quickly if the safety of staff and patients was compromised.

### Environment: London Suburb

Radios to be used inside and outside. Temperatures range between -10c degrees to +40c. Weather conditions include strong wind and heavy rain.

### Noise Levels: Medium to High

**Users:  
70+**

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# HEALTHCARE CASE STUDY

## MOTOTRBO

- Digital technology
- Increased range
- Enhanced audio
- Encrypted system

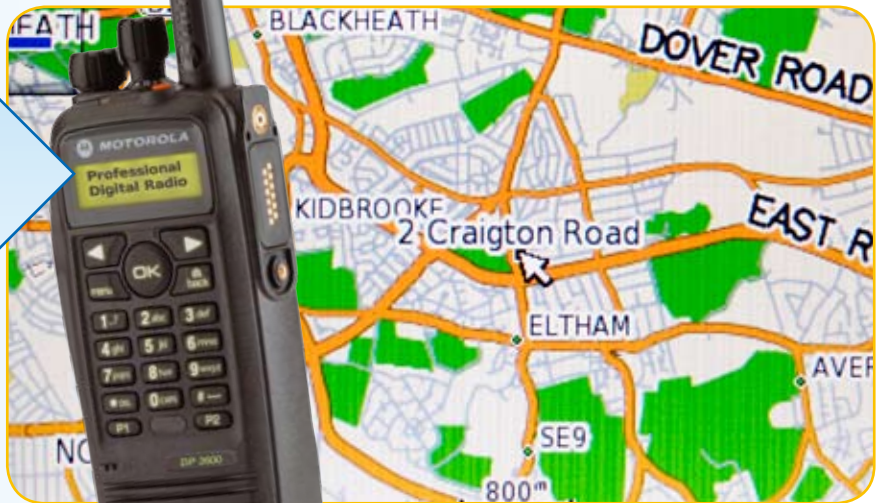
Call us now on:  
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## Dispatcher Features

- GPS On Screen Location of all Radio Users
- Automatic Registration Service (shows if Radios are turned on or off)
- Private and Group Calls
- Call Logging
- Call Recording
- Kill / Stun Radio
- Revive Radio
- Remote Monitoring of Radios

## System Benefits

- 100% Radio Coverage
- 100% outside GPS Coverage
- Private Calls
- Group Calls
- Emergency Calls
- Text Messaging (Status or Free Text Messaging)
- Encrypted Secure Communications
- Robust, Rugged Equipment
- Noise Cancelling Radios (removes all background noise except speech)
- Waterproof Hand Portable Radios



## Solution overview

Security was paramount for both staff and patients and it was imperative that the staff location could be monitored at all times. In the case of an emergency, the radio communications would alert staff and emergency procedures could be invoked. We considered all the requirements from the hospital and designed a GPS Radio System using Digital MOTOTRBO Radio Equipment from Motorola and a PC Based Dispatcher system for the office so they could see the exact location of all the radio users and could speak to them instantly. We chose the DP3600 GPS Hand Portable because of their robustness and added features like private, group and emergency calling.

The dispatcher software logs every call made whether it is group, individual, text message or emergency and can also voice record all calls made. It is also able to kill a lost or stolen radio and revive it if found.

## Main System Equipment

- 01 x Motorola DR3000 Repeater to enable coverage across all buildings.
- 70 x Motorola DP3601 GPSversion Hand Portables
- 01 x Motorola DM3600 Desk Top Base Station for control room
- 01 x Control Room PC GPS and Monitoring Software Package
- Covert Earpieces



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