

Application Note Portable DX64 Console

DX64 DISPATCH SYSTEM IMPLEMENTED WITH PORTABLE CONSOLES FOR SEA RESCUE

Customer Profile

- Sea Rescue Fremantle is Australia's busiest independent Sea Rescue group.

Application

- Portable DX64 Operator positions created for 24/7 monitoring without requiring staff on site.

Business Benefits

- More efficient staff scheduling
- Ease of installation & management
- Scalable for future expansion
- Cost effective

Products Used

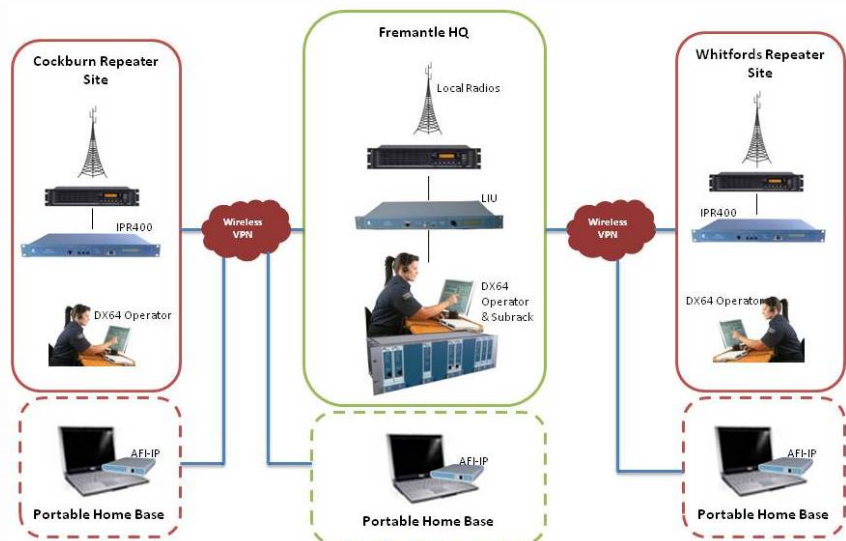
- DX64 Digital Radio Management System
- IPR400

➤ Overview

Sea Rescue Fremantle is responsible for providing sea rescue services in the waters surrounding Fremantle, the Swan and Canning Rivers, out to Rottnest Island and beyond. In order to provide a 24/7 service, they required a dispatch system that could be operated out of normal business hours from the volunteer radio operator's homes.

➤ The Challenge

The challenge put forward was to implement a dispatch system that could be accessed from multiple locations, including permanent stations at the Fremantle Headquarters and the Whitfords and Cockburn sites. In addition, portable operator consoles were required so that volunteer radio operators could monitor any distress calls from home outside of normal business hours.



➤ Solution

As the DX64 is a digital system, multiple operator positions were easily established using Sea Rescue Fremantle's wireless VPN. Remote radio transceivers are connected to the network using the IPR400 RoIP adaptors and ultimately back to the DX64 subrack at Fremantle Headquarters.

In addition, the DX64 dispatch software was installed on laptops and packaged into a portable carry case together with an AFI-IP. Once the designated operator is at home, they simply plug the portable unit into the wireless VPN and immediately have a fully functional operator station.

➤ Conclusion

Radio over IP (RoIP) provides organisations with the option of having staff operate from any location. This flexibility has allowed Sea Rescue Fremantle to continue to patrol the seas without requiring staff to be on site 24/7.

Radlink took the time to understand the user's requirements and worked closely with Omnitronics to implement the solution.

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