PORTABLE BACK-UP DISPATCH SOLUTION

Customer Profile

- Local Police Dept

Application

- To provide a radio management solution that includes an integrated yet independent back-up position

Business Benefits

- Back-up support for critical operations
- Portability and flexibility
- Easy to expand the system in the future

Products Used

- DX64
- IPRdispatch

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→ Customer Overview

A local Police Department

→ The Challenge

The local Police Department needed a radio management solution with an integrated yet independent back-up dispatch position that could be operated from any remote location.
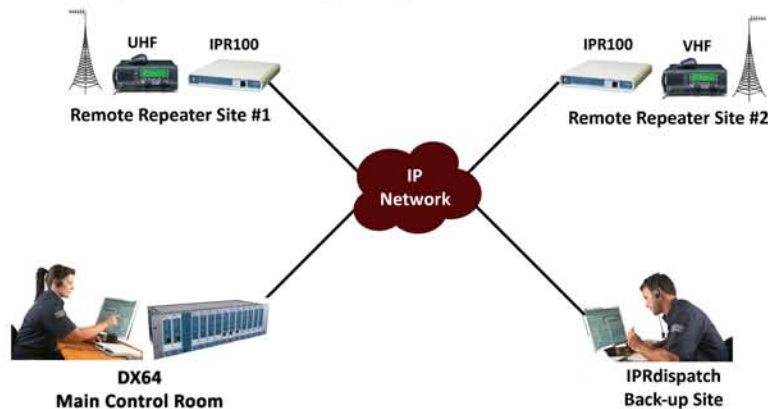
→ Solution

After consulting the operators and radio users within the department it was decided that the IPRdispatch software was the perfect solution for providing back-up operator positions for the DX-64 radio management system, allowing remote parallel access to an IP connected radio network.

"The IPRdispatch software was the perfect solution for providing back-up operator positions for the DX-64"

Remote workstations running the IPRdispatch software can be integrated into a DX64 system that uses IP connectivity to repeater sites through the Omnitronics IPR100 and IPR110Plus VoIP Adapters. These adapters support multiple connections through SIP that enable them to be mainly connected to the DX64 radio management system whilst allowing parallel connections from other sites. These sites can include workstations running the IPRdispatch software.

By installing the IPRdispatch VoIP console at a remote location, an operator at that location can access up to twelve remote radio sites that form part of a DX64 radio management system. Operators on the DX64 can connect to and access the radios in the network. At the same time, operators using IPRdispatch can also connect to those same radios for broadcast or monitoring purposes. An option on the VoIP adapters allows multiple operators connected to a radio to hear both sides of any conversation.

In the event of a failure of the main communications centre, remote operator positions, using IPRdispatch, can be made operational within a few minutes and the operators can immediately communicate through the repeater sites. The diagram below outlines a typical application:

UHF IPR100
Remote Repeater Site #1

IPR100 VHF
Remote Repeater Site #2

IP Network

DX64
Main Control Room

IPRdispatch
Back-up Site

→ Conclusion

The IPRdispatch offers a portable dispatch solution that requires no special hardware and can be quickly made operational from any remote location that provides an interface to the IP network

challenging communication boundaries