

Application Report DX64 & IPRdispatch

MOBILE BACK-UP DISPATCH SOLUTION

Customer Profile

- Local Police Dept

Application

- To provide a cost effective radio management solution that includes a mobile back-up operator position

Business Benefits

- Reliable backup support for critical operations
- Mobility and flexibility
- Reduce satellite usage costs
- 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 reliable low cost radio management solution that includes a mobile back-up dispatch that can be operated from any remote location.

→ Solution

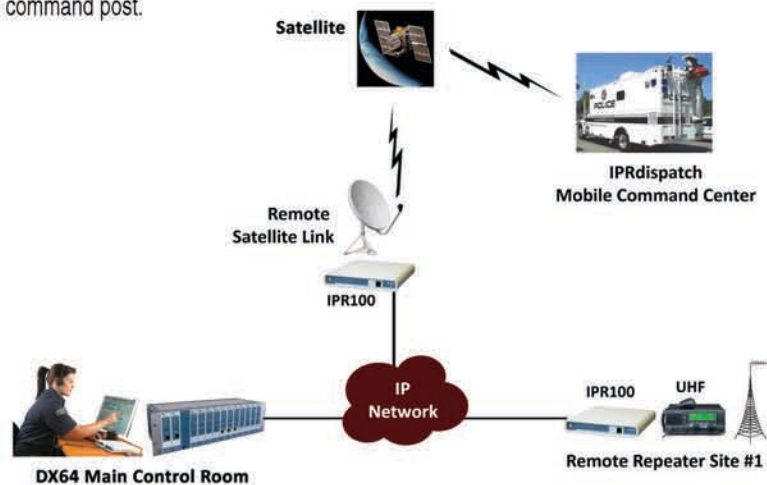
The communications team selected the Omnitronics DX64 radio management system and the IPRdispatch software to provide a remote back-up position. The mobile command center operator connects to the network via a satellite link and can communicate from any location at any point in time.

The Omnitronics products are unique in their ability to transport various signalling schemes with compression. Satellite costs are typically charged by Mbits transferred. If compression is used the Mbits of voice data is significantly reduced however compressing the voice data causes the signalling to be lost. Omnitronics has overcome this by uniquely converting the signalling (for example DTMF, SELCAL and CTCSS) to data prior to sending over the IP network. This conversion process significantly improves the reliability of the network and reduces costs.

"These products are unique in their ability to transport various signalling schemes with compression"

The IPRdispatch software can be integrated into a DX64 system that uses IP connectivity to repeater sites through the IPR100 VoIP Adapters. These adapters support multiple connections through SIP that enable them to be primarily connected to the DX64 radio management system whilst allowing parallel connections from other sites (including mobile command centres running IPRdispatch software).

The Police Department selected the IPRdispatch due to the easy to use touch screen interface. The department found the system was easy to setup and integrate into their IP networks while also provided a highly reliable back-up command post.



→ Conclusion

The IPRdispatch offers a mobile dispatch solution that's unique in its ability to provide a reliable path for signalling, saving the client ongoing satellite charges. Minimal training was required and the operators find the new system highly reliable and easy to use.