

Case Study

DX-Altus Provide Radio Choice to Canton Police Department



Overview

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Canton Police Department provides professional law enforcement services to the citizens of Canton, Mississippi. Radio communications form a core part of the success of their mission and recently, when they required an upgrade to their radio dispatch system, they looked no further than the DX-Altus recommended by their local radio solutions provider Ozborn Communications.

Compatibility

One of the main objectives of the new system is that Canton Police department needs to be able to interface to the statewide Mississippi Wireless Information Network (MSWIN) when the requirement arises.

MSWIN is a P-25 700 MHz trunked phase 2 Motorola LMR public safety communication system which is designed to provide 97% mobile area coverage statewide via multiple sites. MSWIN is the only statewide interoperable emergency communication voice and data network available for use by both state and local public safety entities and connects all police, sheriffs, public safety, county, local state police, and fire departments through Tait TM9400 mobile radios.

Canton Police Department saw it as an essential requirements for efficient law enforcement to have vital information such as caller ID, emergency alarms, and channel/change at/from the console readily available.

Customer Profile

Canton Police Department

Application

DX-Altus with ICOM IDAS and P25 Integration

Business Benefits

Simple Installation and Setup

Easy to Use

Reliable

Interoperability between ICOM IDAS radios and P25

Conforms to P25 Interoperability Standards

Future Migration Path to Digital

Radio Technology

Improved Utilization of Radio

Network Resources

Flexibility to Adapt to Future Needs

Products Used

DX-Altus

DRG100 P25

IPR100

IPR 110+

In Partnership with Ozborn Communications



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Easy to Use

Touchscreen interface with a highly configurable layout

Scalable

Up to 60 operators and 224 radio channels simultaneously

Analytics & Reporting

Optimize productivity & efficiency through data insights

Architecture

Centralized modular server with contacts database

Real-time operating system

Secure and impervious to viruses and malware



Location Services

Integrated real-time tracking of personnel and assets

Telephony

Connect with modern and legacy systems

API

Integrate and customize with third party applications

Radio Linking / Patching

Connect groups of radios on demand

Rapid Recall

Public safety grade instant audio recording and playback

Because of the interoperability mandates between Canton Police and the Canton Fire Department, they required a radio system that was compatible with P25. However, they did not want to limit their choice of radios just to P25. To overcome this they were looking for a Radio Dispatch & Management System that could provide interoperability with P25 and the radios of their choosing, in this case ICOM IDAS.

By using a combination of IPR100, IPR110+ and DRG100 Radio over IP gateways, Canton Police are ready to start integrating into the MSWIN, whilst at the same time maintaining their own autonomy and choice of ICOM IDAS trunked system. Canton gained and gaining the powerful functionalities of the DX-Altus system with 2x Alto dispatch positions, delivering the information they need to effectively and efficiently attend to law enforcement duties.

Conclusion

Set for the Future

Due to the flexible nature of their new installation, Canton Police can now be confident that any future network changes can be made without changing their radio systems and they have the flexibility to simultaneously connect to the relevant channels on the Mississippi Statewide MSWIN P25 trunked Motorola network as well as using ICOM IDAS with a combination of digital and analog radios for their own communication requirements.

We thank our Partner Ozborn Communications for recommending and effectively implementing the solution.