TeamSimoco

Solar 25

Simulcast over IP Solutions

Customer enabling Simulcast Solutions

~ Auto Set-Up and Synchronisation

~ Remote Management

~ Lowest Lifecycle Costs

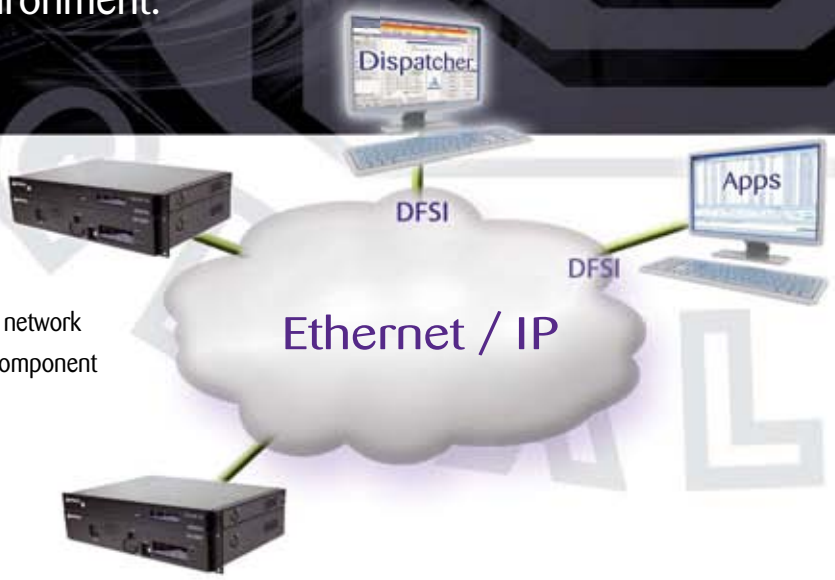
DALMAN DIGITAL WIRELESS P25

SIMOCO P25 SOLUTIONS – POWERED BY DALMAN SIMULCAST

The Difference is Black & White

SOLAR 25

Simoco Solar 25 is the latest 'Dalman Inside' Simulcast product to be developed by our specialist Simulcast engineers at Dalman Labs. Leveraging over 25 years of dedicated Simulcast engineering, research and development, Solar 25 now extends the benefits of Dalman's revolutionary Simulcast over IP to the P25 environment.



Building on the plug and play principles of Analogue Solar Simulcast solutions, Solar 25 offers enhanced resilience and full remote management of Base Station network interfaces in a cost effective, compact, component based P25 system.

Solar Economics

Simulcast technology synchronises duplicated of channels in a wide area network to avoid interference between adjacent radio sites. Solar 25 Digital VoIP signals are better defined and more consistent than their analogue counterparts, enabling the synchronisation task to be 'processor controlled'.

It is an advantage that revolutionises the economics of Simulcast deployment and support; enabling automatic set up and remote management to replace specialist knowledge, costly test equipment, and on-site maintenance - Dramatically reducing lifecycle costs.

And it's a cost advantage that extends the benefits of Simulcast to dealers and customers previously excluded by the cost and complexity of the technology. With Dalman Solar 25, Simulcast P25 solutions are brought within YOUR reach.

SB2000 Base Station

The Simoco SB2000 Base Station is critical system element, offering a fully integrated RF receive and transmit capability for the Solar 25 Simulcast over IP System and ensuring an off the shelf solution that is guaranteed to perform.

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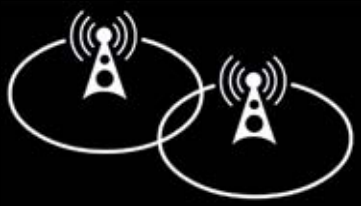
Auto Set-Up & Remote Management

Solar 25 Auto Set-Up feature, together with Traffic Manager supervisory and remote management capability, eliminates the complexity of traditional Simulcast technology and means that there is no need for specialised engineering skills, costly test equipment and on-site maintenance.

Dalman Inside

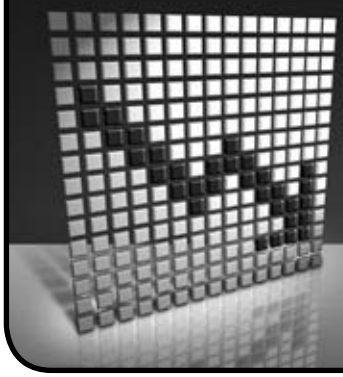
Simoco Solar Simulcast over IP solutions leverage over 25 years of dedicated Simulcast engineering, research and development in the Dalman Labs and are innovatively engineered to realise the advantages of digital technology in tangible business and cost benefits.

Simplifying Simulcast



Simoco Simulcast over IP solutions leverage the inherent consistency and clarity of definition of digital signals to simplify Simulcast Synchronisation to an automatic 'processor controlled function'. This means that Simoco Solar 25 is fundamentally easier to manage and support and can be deployed over the enterprise IP network.

Lowest Lifecycle Costs



Processor Controlled Synchronisation, Auto Set-Up and Remote Management mean Solar 25 is fundamentally easier to deploy and manage. With its compact, component based design, we're confident that Solar 25 offers the lowest Lifecycle Costs.

Component Based Design

Solar 25 is a component based system incorporating Traffic Manager, and Network Interface Modules. Each 1U Solar 25 unit accommodates a GPS receiver to provide the timing source throughout the network, and up to one Traffic Manager Module and two Network Interface Modules, making the system extremely compact, flexible and cost effective. Solar 25 Units can then be located throughout the network and configured to the specific requirements of each customer solution.

Network Interface Module

Network Interfaces are DFSI compliant and provide fully duplex connectivity to Simoco SB2000 base stations and to DFSI compliant Dispatch consoles and applications such as AVLS systems and voice recorders.

Traffic Manager Module

Traffic Manager Modules provides the synchronisation and supervisory functions throughout the network and can be duplicated to provide distributed resilience of these essential functions.

Integrated Voting

Receiver Selection or receiver voting is conducted in the digital domain within Traffic Manager. In the noise free digital IP environment no further signal evaluation is necessary which means that the IP data packets contain both the received audio and signal quality information together, greatly reducing Voter rise time.

The Difference is Black & White

For additional
information on this or any other Team Simoco product, visit our web site at:
www.teamsimoco.com

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