

ACCESS3000²



MANAGERS GUIDE TO ACCESS3000²



ACCESS3000² System Overview

Multitone Access3000² is a comprehensive, wireless state-of-the-art private paging solution intended for medium or large hospitals and manufacturing facilities. Access3000² enables rapid and effective voice and messaging communications. It enhances productivity, emergency responsiveness as well as inter-communications with alarms, monitoring and automated facilities. Access3000² can be networked with digital wireless telephone systems for a totally wireless enterprise communication capability. The system is designed to provide high availability service and is fault tolerant for mission critical operations.



Access3000² - The On-site Network Host

Access3000² is an easily expanded paging solution based on a modular system. It can be tailored precisely to your communication requirements. Access3000² can support up to 5000 users, 250 teams and two-way voice. It provides a wireless communication platform that uses advanced design hardware and software to deliver a high degree of system resilience. This is an essential requirement where constant mission critical operation is required. Each functional element is connected via a simple data bus creating a Local Area Network (LAN). The modular approach enables a system solution to individual system requirements and offers an upgrade path if requirements change.



Access3000² - the world's most powerful and advanced on-site and wide-area private paging system

Competitive Features

The Access3000² most powerful features is its ability to combine both voice and text paging and the ability to back up the text with a spoken message is essential in mission critical operations. In an emergency people do not have time to read a message, a spoken message can tell the user, team member what has happened and where to go saving valuable seconds.

Designed using proprietary hardware and software, it is not PC based, consequently, it is not reliant on any third party hardware and software, maximizing system resilience.

Combined with advanced modularity, each element of the system is totally independent of each other. Should one element fail, this will not affect the rest of the system. For example the Paging Server, enables a person to make a paging call from their PC, is system independent from the rest of the Access3000². If the Server should fail, it would be possible to make paging call or a team call from the Local Control Unit or a telephone extension. Should the telephone system fail, it would be possible to make paging calls from the Local Control Unit and Server. A PC based solution would not be able to support this level of cross connectivity.

The system refers to this record every time a call is sent, to enable the caller to know what type of message can be sent and to ensure messages are not sent to incompatible pagers, for example voice to a non-voice. Each group alert team also has a record programmed against its team number. This information includes the type of message to be sent, the radio channel, any groups and any user numbers to be called. A group is a block of receiver numbers, e.g. 01 to 10 or 001 to 100.

Each closing contact has a closing contact number, with a record showing the team or user to be called, the type of message to be sent, its priority, which control unit can be used to give an additional speech message as part of the call.

Housings

The PowerPage system has two different types of housings for its modules. Each module typically requires one slot. The 6 and 12 slot unit is designed to hold a number of modules centrally. The single slot card housing is designed for individual modules such as a closing contact interface and this may be located separately from the central housing.

Fully Programmable & Expandable

If it is an input or output which output should be operated and whether to actuate or reset the output, whether the operation of the output is to be timed or continuous. All these records are individually programmable by the system supervisor using the Local control unit or the System Management Terminal.

The ability to connect to multiple closing contacts connected to alarm and security systems all combine to deliver a very power wireless communications hub. The system can be expanded by using Multitone remote link controllers and slave encoders. It is possible to spread the system over multiple sites, delivering a truly integrated onsite, regional or national private, professional paging solution.

The System Master

This database contains all information about the system, 'predefined' when the system was ordered. This is stored in the ROM memory. The System Master contains a parameter table, which is unique to each system and contains the details of all other modules on the system and their defined parameters. It also regulates the flow of messages on the data bus and performs essential on-line test routines. Parameters stored in the System Master can be changed. These system parameters include the types of pager on the system, the system size, which optional features are included and which beep codes are used by each module.

System Management

Day-to-day management of PowerPage 3000 is the simple task of keeping the paging database up-to-date. This is carried out by the system supervisor using a Local Control Unit or via the PC based Management Terminal. Supervisor functions include adding, editing and deleting users, teams, closing contact records and pre-stored messages, setting the system time, managing the wide area dial out database and the call logger and statistical analysis tools.

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