



DSX Access Systems, Inc.

Centralized Monitoring

WinDSX Centralized Monitoring and Control

WinDSX was designed and engineered for the central monitoring of multiple Locations using dial-up modems, direct serial port connections, and/or TCP/IP communications. WinDSX is commonly used for applications as varied as 1 PC and 1 reader to multiple PCs and hundreds or thousands of readers. WinDSX can be used on a single PC with a single Location connected but exhibits its true power when used on a LAN controlling multiple sites, both local and remote, from a central station environment.

From a Centralized Location WinDSX can begin to monitor and control just one or two doors at one Location using a single PC. Controllers can be added one at a time delivering two additional doors of control to the current capacity. These scalable building blocks allow the system to be engineered simply and provide a level add-on cost which is easy to budget for. The central station side of the system can also be expanded, with the implementation of a Local Area Network and the addition of more Workstations.

This same Centralized Location can grow from managing just one Location to 32,000 Locations with each containing up to 128 reader controlled doors. Each Location can utilize a different reader/keypad technology allowing for more retrofit flexibility. In most cases the existing readers and cards can be re-used from an older system.

The system is so user friendly that most of the features are automatic and require minimal user intervention. The Dial-up Modem Locations can be automatically polled for log retrieval on a regular interval from every 10 minutes to once a week. These Locations can also be programmed to call in when their event storage buffer is at 80% capacity. Modem Locations will call in automatically when there is an alarm condition or in the event that they are reset and require a download.

System DataBase and History can be automatically backed up each day by the Comm Server and delivered to any drive available to the system.

As database changes are made the Communication Server will automatically call the remote Locations and download the database changes. The download can be programmed to occur immediately, delay for x number of minutes, or delay until after hours to take advantage of low traffic times.

During the database downloads and history log uploads the Comm Server can still receive alarms from the location. The operator can always acknowledge and handle alarms and control the Location inputs and outputs regardless of uploads or downloads in progress.

Each Location has it's own set of data and is maintained as a separate access control system. However you do have the option of grouping Locations together so that they share the same cardholder data. This feature is very useful for applications that need to allow the same set of people access to multiple different Locations. The cardholder data is only entered one time but is available to all Locations in the group. The cardholder is assigned an access level that determines when and where this cardholder is valid at each Location.

With control of the Locations from the central monitoring station input and output manipulation and reporting can be managed quickly and efficiently. The operator can unlock a door or raise a gate remotely to permit entry of emergency personnel such as fire or police agencies. The system also tracks personnel in and out of the facility. Full reporting based on Location and Company to name a few can be printed or saved to a file for subscriber use.

A new feature in the WinDSX software is the ability to transfer incoming alarms to a central station alarm automation package. This is accomplished through programming the WinDSX software to transfer the alarm data the same way a central station alarm receiver does. Implementing the alarm transfer will simplify training of the central station operators as alarm information from the WinDSX software will appear in their standard burglar alarm monitoring software.

Location Definition and Communication Parameters

The screenshot shows a software window titled "Loc: 1 Main Building" with three tabs: "General", "Numeric Options", and "Y/N Options". The "General" tab is active and contains the following fields:

- Location #: 1
- Location Group Name: 1: Main Building (with an "Edit Group Name" button)
- Location Name: Main Building
- Address: 10731 Rockwall Road
- City: Dallas
- State: TX
- Postal Code: 75238
- Panel Phone #: 214-555-1213
- PC Phone #: 214-555-1234
- Loc. Password: alpha
- Notes: (empty text area)

At the bottom of the window are four buttons: "Previous", "Next", "Cancel", and "OK".

Additional Location Definition and Communication Parameters

The screenshot shows the same software window "Loc: 1 Main Building" with the "Numeric Options" tab selected. The fields in this tab are:

- Comm Loss Action Message: (dropdown menu)
- Connect Type: Modem (dropdown menu)
- Auto Poll & Download:
- After Hours Auto Download:
- Poll Frequency: 10000
- Modem Online Alarm (Mins): 30
- Delay Download (Mins): 5
- # Of Digits In PIN Code: 7
- # Of Denies For Alarm: 3
- # Of Missed Polls For Alarm: 3
- Location # To Use For Echoed Alarms: 0
- Regional Time Zone: (dropdown menu)
- Use Daylight Savings Time:

At the bottom of the window are four buttons: "Previous", "Next", "Cancel", and "OK".