



# MicroComm DXL

## DXL System Data Sheet

### Description

The MicroComm DXL digital intercom system is designed to be cost effective for applications with widely distributed architectures and those of a smaller scale. It is also ideally suited for adding functionality and flexibility when retrofitting relay switched intercom systems. A comprehensive feature set gives the MicroComm DXL the power to handle projects with the most demanding requirements, and like all MicroComm family members, it incorporates digital audio technology and provides a high performance, rugged, and reliable communication solution.

Two basic building blocks form the backbone of the system. Digital Communication Controllers (DCC) are the master component of each exchange and can be interconnected to form larger systems. They incorporate the exchange processor, control software, configuration data, and network ports as well as the intercom station, master station, and audio interface boards. Digital Communication Expanders (DCE) and Talk Back Expanders (TBE) are used to increase the capacity of each exchange. Up to four DCE and/or TBE expander units can be connected to each DCC controller.

The MicroComm DXL is compatible with the same set of intercom stations, master stations, and call devices as the rest of the MicroComm family. The wide and growing variety of standard stations and specialty stations is therefore available for your use, regardless of which MicroComm system you choose.

A key feature of the MicroComm DXL is the DXL Administrator Software. This Windows Explorer style user interface runs on a standard PC and provides system configuration, logging, and diagnostic functions. With its easy to follow tree structure, simple to understand data entry dialogs, copy and paste device creation feature, and built-in device libraries, a MicroComm DXL is easy and quick to program.

### FEATURES

#### System Architecture

- Simple, modular system architecture
- Digital audio trunks and signal processing
- Each exchange can function independently
- Exchanges can be networked to form large systems
- Unrestricted communications within each exchange
- Twenty-six channel audio trunk interconnects exchanges
- Supports MicroComm family master stations
- Full touch screen and graphic panel master control
- Telephone sets provide administrative master functions
- Supports MicroComm family intercom stations
- Supports generic 25 volt intercom stations
- Supports MicroComm Discrete Input/Output modules
- 64 x 128 pixel graphics display



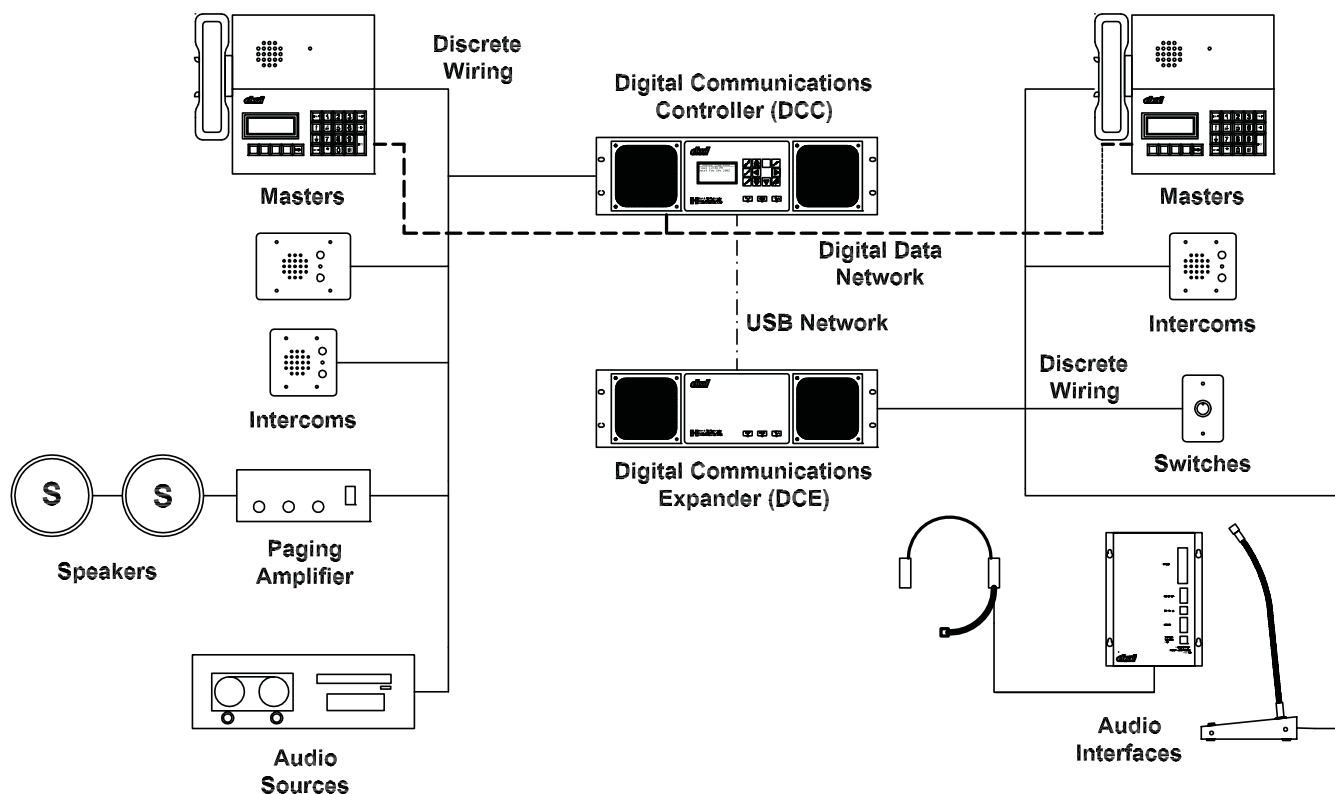
- Eleven button keypad with menu driven interface
- Built-in monitoring and self-test routines

#### Operating Features

- Paging and program distribution to audio outputs and stations
- Audio Level Alarm threshold detection
- Sequential and group audio listen-in monitoring
- Hands free and press-to-talk operator control
- Multiple priority levels for each category
- Individual audio control for each channel
- Master groups for parallel operator control
- Six program distribution channels in each exchange
- Six system wide program distribution channels
- Flexible operational tone signaling
- Time clock and event controlled tone signaling
- Tones and messages recorded as WAV audio files
- Master station and visiting booth call recording
- Unit unmanned and time out call forwarding
- Call and program switch enabling/disabling
- Flexible display master menu architecture
- CCTV switcher and visiting booth support

#### DXL Administrator Software Features

- Windows Explorer style configuration



## DXL Exchange

- Operates on standard PC or laptop computer
- Loads and validates configuration files
- Functions both on-line and off-line
- Provides configuration, logging, and diagnostics
- Devices displayed in both tabular and window formats
- Device library included for standard devices
- Add new devices with copy and paste commands
- Remote system access available via modem
- Manages the entire system through a single port
- Manages system security features

Identification Numbers (up to 5 digits) 99999

DCC/DCE Capacity  
 Intercom Stations (half duplex) 32  
 Master Stations 2  
 Audio line inputs 2  
 Audio line outputs 2

Exchange Capacity  
 Intercom Stations (half duplex) 160  
 Master Stations 10  
 Audio line inputs 10  
 Audio line outputs 10

System Capacity  
 Exchanges 32  
 Intercom Stations (half duplex) 5120  
 Audio Line Inputs 320  
 Audio Line Outputs 320  
 Audio Trunk Channels 26

## Specifications

### General

Audio band width 300-3,500 Hz  
 Audio Signal Processing Digital  
 Audio Switching System Digital Time Space Switching  
 Control Network Ethernet and USB  
 I/O Network LonWorks

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