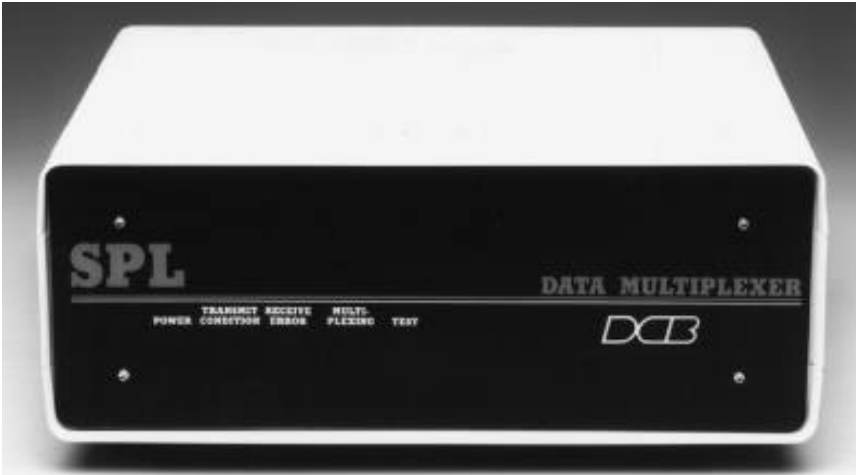




# SPL MULTIPLEXER

*2 to 14 channel statistical multiplexer*



## FEATURES

- Individually configured asynchronous ports
- Port speeds to 38,400 bps
- Network speeds to 64 Kbps
- Network Management Port
- Remote set up and testing
- Composite is full duplex synchronous or asynchronous
- 2 to 14 channels
- “Copy Command” for remote training
- ISDN ready and has “One-Touch” dial for metered ISDN
- May be used with dial-up modems which perform error correction and/or data compression

## DESCRIPTION

The SPL series of statistical multiplexers are available with 2 to 14 channels in 2 channel increments. All port parameters are set either with an asynchronous terminal or with DIP switches and are battery maintained. The network management port provides local and remote unit setup, system statistics, local and remote testing, an online manual and the ability to do remote system training.

The SPL offers 64 Kbps synchronous network capability as a standard feature. Speeds of up to 38.4 Kbps are supported for asynchronous network installations.

“Copy” simultaneously connects the network management port and a remote port to the same computer port. “Copy” is used to train new remote users and perform remote application support with a significant cost savings.

The SPL is the only multiplexer designed to be used in either dial or leased line applications. DCB “One-Touch” dialing allows the user of any remote device to cause the line to be dialed by touching the space bar or return key on any remote device. After a pre-determined time with no activity, the line automatically disconnects. This is ideal for ISDN and dial-up modem lines with metered line usage. Low usage sites can now be connected without the high cost of full-time data lines. Error correction in the SPL may be disabled for use with error correction/data compression modems with speeds up to 38.4 Kbps. A disconnect timeout can be set to disconnect the dial call after a period of inactivity on all ports.

A 15 character ID can be set to assist in circuit identification. Any port, local or remote, can be captured. With the built-in “Data Scope” function a user can monitor the transmit or receive of any data port. Network and individual port loopbacks are available. Statistics include activity counters and a flow control report. The last reset and last zero of activity counters are date and time stamped by the on-board real time clock/ calendar.

Hardware and Xon/Xoff flow control are selectable on a port-by-port basis. The SPL multiplexers perform speed and/or flow control conversion. Different port rates and/or flow control options may be set at each end.

# DCB SPL Multiplexer

## SPECIFICATIONS

### General

Asynchronous Statistical Multiplexing  
2 to 14 channels  
Aggregate Input Speed: To 268,800 bps

### Port Specifications

#### Data Format

1 Start bit    1 Stop bit    10 Bits total  
8 Data bits including parity if used  
Rates: 300, 1200, 1800, 2400, 4800, 9600,  
19200, 38400 bps individually selectable  
Interface: CCITT V.24, RS-232-D  
Connectors: DB-25 female  
Buffering: 64K dynamically allocated  
Flow Control: Set on an individual port basis  
Xon/Xoff            Busy High  
Clear to Send      Busy Low  
Auto Dial: Control of asynchronous auto  
dialing through all ports

### Physical/Electrical

Power requirements: 120 VAC, 30-43 Watts,  
.25-.36 Amps  
10<sup>1</sup>/<sub>4</sub>" x 9<sup>3</sup>/<sub>4</sub>" x 2<sup>1</sup>/<sub>4</sub>" (2-6 channels)  
10<sup>1</sup>/<sub>4</sub>" x 9<sup>3</sup>/<sub>4</sub>" x 4<sup>1</sup>/<sub>2</sub>" (8-14 channels)

### Network Specifications

Rates (asynchronous): 300, 1200, 1800,  
2400, 4800, 9600, 19200 or 38400 bps  
Rates (synchronous): Follows modem clock  
signals to 64 Kbps  
Interface: CCITT V.24, RS-232-D  
Connector: DB-25 male  
Error Correction: Automatic retransmission

### Operating Modes

Normal on-line multiplexing  
Network loopback  
Dial-through-terminal dialing  
Bypass-connection to  
unmultiplexed modem  
DCB "One-Touch" dialing

### Indicators (front panel)

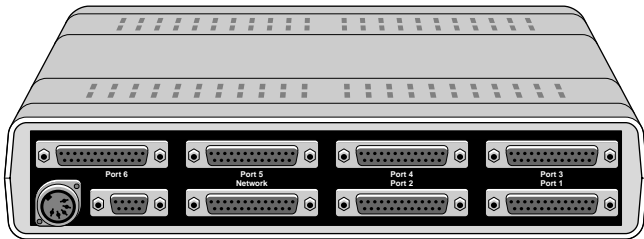
Power, Transmit Condition, Receive Error,  
Multiplexing & Test  
Port Transmit & Receive Data, Port Error,  
Port Loopback, Buffer Overflow, and  
Switch/memory configuration differ

### Network Management Port

Interface: CCITT V.24, RS-232-D  
Connector: DE-9 female  
Can be mapped to Port 1

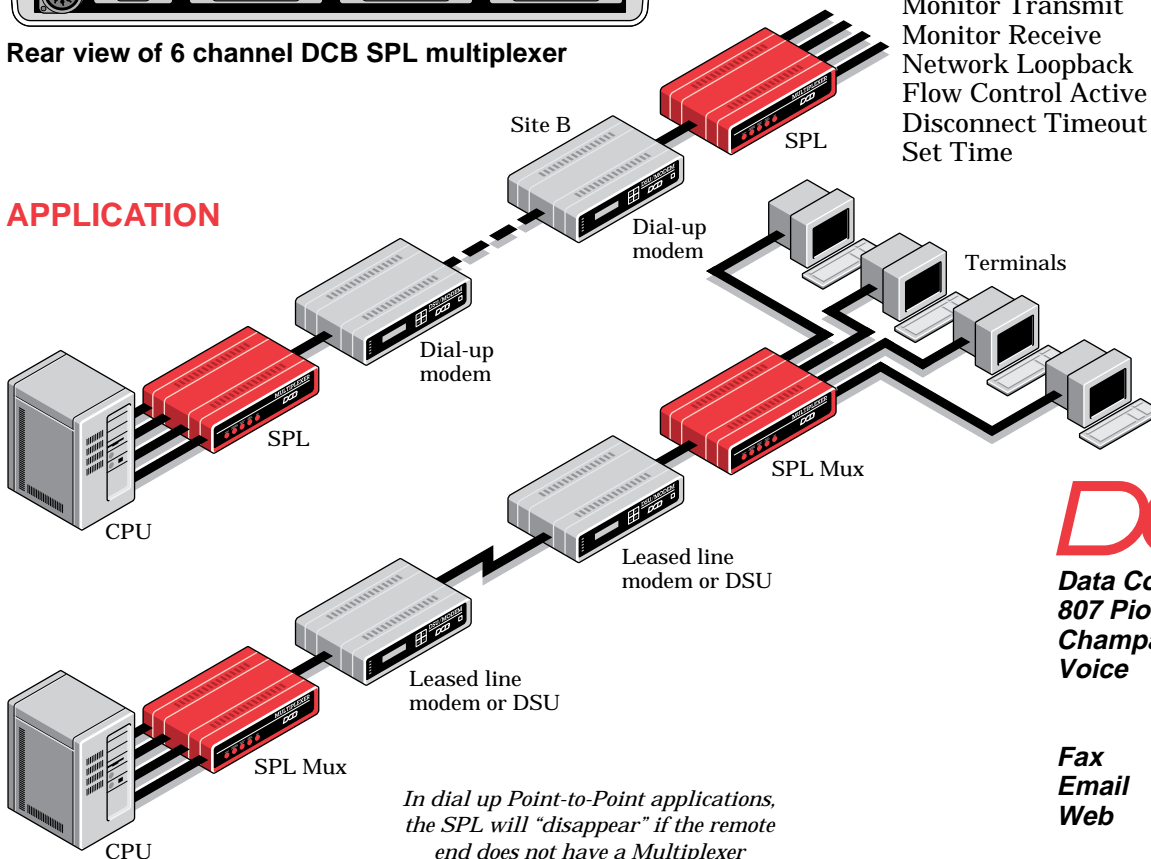
### Network Management Port Commands

Help Screen	<i>LOCAL &amp; REMOTE:</i>
Help Network	Show Configuration
Help Ports	Show Network
Executive Parity	Configure Ports
Remote Test Loop	Device Type
Monitor Transmit	Set ID
Monitor Receive	Reset
Network Loopback	Capture Port
Flow Control Active	Copy Command
Disconnect Timeout	Test Message
Set Time	Activity Counters



Rear view of 6 channel DCB SPL multiplexer

## APPLICATION



*In dial up Point-to-Point applications,  
the SPL will "disappear" if the remote  
end does not have a Multiplexer*



**Data Comm for Business, Inc.**  
807 Pioneer

Champaign, IL 61820

Voice 217.352.3207

800.4DCBNET

(800.432.2638)

Fax 217.352.0350

Email [info@dcbnet.com](mailto:info@dcbnet.com)

Web <http://www.dcbnet.com>