

Note: For more information about the S Lite, see the reference manual, part number 34-00297, on the User Documentation CD or at www.verilink.com.

Specifications

Interfaces

DCE: DB-25, female

DTE: DB-25, female

Performance Monitor

LED indicators: Power, Loopback Active, Tx Data, and Rx Data

Loopbacks

Remotely Initiated: via standard V.54 commands

Locally Initiated: via DIP switch

Configuration

Loopback Control: 1 position

Interface Control: 4 positions

Mechanical

Mounting: desktop or wallmount

Dimensions: 1.25" H, 3.5" W, 5.75" D

Weight: 1 pound

Power Source

Input: 90–256 VAC, autoranging

Output: 9 VDC

Industry Standards

Low Voltage Directive 73/23/EEC

EMC Directive 89/336/EEC



Environmental

Operating Temp: 0° to 50°C (32° to 122°F)

Storage Temp: –20° to 70°C (–4° to 158°F)

Humidity: 95% maximum (non-condensing)

Wallmount Installation Using Adhesive Strips

- 1 Select a place close to an AC outlet with clearance for the signal and power cables. The indicators and switches should be easily accessible.
- 2 Verify the mounting surface is clean.
- 3 Cut the adhesive strip to the desired length and affix the backing of one piece to the underside of the unit.
- 4 Attach the other adhesive strip to the piece on the underside of the unit.
- 5 Remove the backing to expose the sticky surface.
- 6 Press the underside of the unit firmly against the selected place.

Wallmount Installation Using Screws

- 1 Select a place close to an AC outlet with clearance for the signal and power cables. The indicators and switches should be easily accessible.
- 2 Vertically place two #6 screws 3-13/32 inches apart at the selected place. Leave the screws out about an eighth of an inch.
- 3 Place the upright unit over the screws until the holes engage and slide the unit down until it locks.

Connections

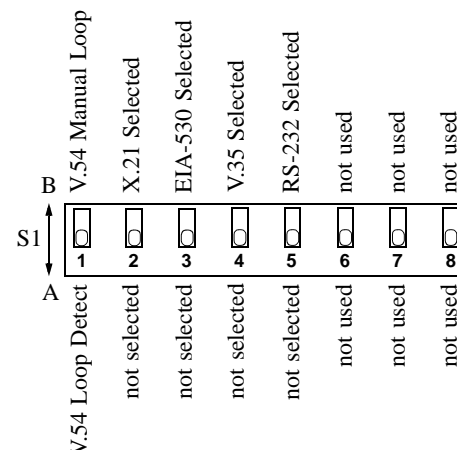
DCE and DTE

Pin	DCE and DTE	Pin	DCE and DTE
1	Shield Ground	14	TXD B
2	TXD A	15	TXC A
3	RXD A	16	RXD B
4	RTS A	17	RXC A
5	CTS A	18	LL
6	DSR A	19	RTS B
7	Signal Ground	20	DTR A
8	DCD A	21	RL
9	RXC B	22	DSR B
10	DCD B	23	DTR B
11	SCTE B	24	SCTE A
12	TXC B	25	TM
13	CTS B		

Power

Plug the connector from the power supply into the unit. Plug the transformer into an appropriate outlet. This applies power to the unit.

Configuration



V.54 Annex B (RDL) Loop

Position 1 is used to set the unit to detect remotely initiated V.54 Annex B (RDL) loop commands (A) or to manually initiate a loopback (B).

Interface

Positions 2, 3, 4, and 5 are used to select an interface.

Note: Only one of these switches can be in position B at a time.

Note: Disconnect the DCE and DTE cables from the unit before selecting an interface.

Not Used

Positions 6, 7, and 8 are not used.

Indicators

The unit indicators show power loop status, and data activity.

Power

This green indicator shows that power is applied to the unit.

Loop Test

This indicator show the loop status of the unit. Amber indicates the unit is in loop mode. When the indicator is Off, the unit is not in loopback.

Tx Data

This green indicator shows the unit is transmitting data.

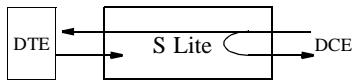
Rx Data

This green indicator shows the unit is receiving data.

V.54 Annex B (RDL) Loop

Manual Loop

This loop is activated by setting DIP switch S1-1 to the B position. This loop is unidirectional and returns the DCE receive data to the DCE transmit data. The loop functions as shown above.



Detect Mode

This loop is activated by the receipt of the V.54 Annex B--commonly known as RDL--loop command. This loop is unidirectional and returns the DCE receive data to the DCE transmit data. The loop functions as shown above.

The loop-up code is 2048 ± 100 bits of V.54 loop-up pattern. When this is detected, the unit is looped. The loop-down code is 8192 ± 100 bits of V.54 loop-down pattern followed by 64 ones.

Power Bypass

The S Lite can operate in a power bypass mode where the S Lite passes the signal from the network to the equipment and vice versa whether in a powered state or not.

The power bypass mode uses relays that switch the network and equipment connections. When the unit is powered and stable, the relays have the network and equipment connections switched into the S Lite's internal circuitry. When the unit loses power, the relays switch the network connection to a direct connection path to the equipment connection. When power is reestablished the relays switch the network and equipment connections back into the S Lite's internal circuitry.

Warranty

Verilink's product warranty covers repair or replacement of all equipment under normal use for a five-year period from date of shipment. Replacement products may be new or reconditioned. Any replaced or repaired product or part has a ninety (90) day warranty or the remainder of the initial warranty period, whichever is longer. Our in-house Repair Center services on a standard 10-workday-turnaround basis.

Returning Products

A product must be assigned a Return Materials Authorization (RMA) number before it is sent to Verilink for repair. An RMA number is issued by Verilink Customer Service at (800) 926-0085, ext. 2282.



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