Chapter 2 Setup

Unpacking

Remove the controller from its packing and inspect it for any evidence of physical damage. KEEP THE PACKING. It is the approved shipping container and should be used if you ever need to return your equipment for servicing.

Ports

Before connecting your LL 500 to your host device, take a moment to review *Figure 2-1* and descriptions of the various ports.

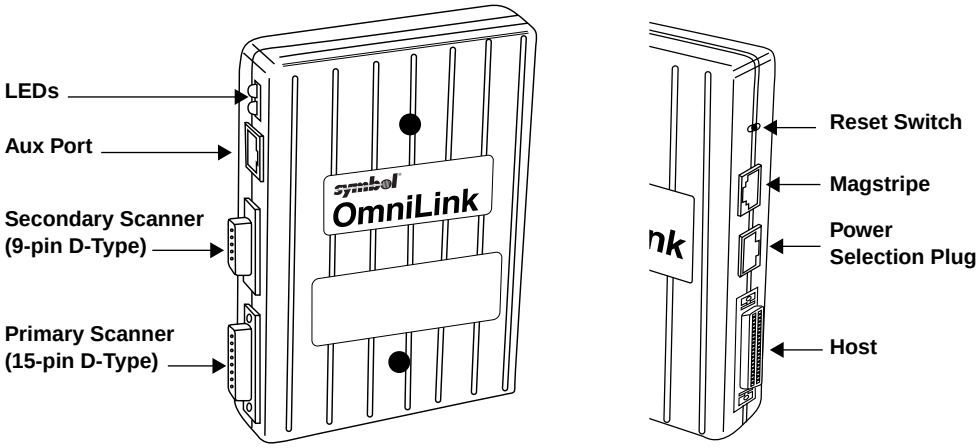

Figure 2-1. LL 500 Ports

Power Selection Plug - When inserted, the LL 500, attached 5V scanner and magstripe reader draw power from the host terminal. When terminals cannot supply sufficient power, this plug is removed and a power supply is connected to this jack. The power supply must always conform with local standards. **If this plug is removed and an external power supply is not connected, the unit will not operate**. See *Reconfiguring the Primary Scanner Port* on page 2-3 and *Reconfiguring the Secondary Scanner Port* on page 2-3 for details on power setting.

Primary Scanner - This is a 15-pin D-type port (J1). A special modular to 15-pin cable is available for connecting an LS 2000, LS 3000, LT 1700, or SL 6700 to this port. A wand may not be used on this port.

Secondary Scanner - This 9-pin D-type port (J13) accommodates a Symbol laser scanner or wand. Both primary and secondary scanner ports may have scanners connected to them, although only one scanner performs a decode at a time. A ScanStand may not be used on this port.

Magstripe - This 8-pin modular jack port (J9) accepts a Track 1, Track 2, or dual track magstripe reader. If you attempt to enter magstripe data and scanned data through the primary scanner port simultaneously, the controller locks out one of the ports, and the other data is accepted. Do not attempt to enter magstripe data and scan data through the secondary scanner port simultaneously. Data may be lost.

Aux - This 8-pin modular jack port (J10) accepts an RS-232C device. It is bi-directional and may be used as either an input or an output port.

Host - This 40-pin D-type port (J11) uses different interface cables to connect to various host devices. Changing the cable alone does not ensure compatibility. The correct software must also be installed in the LL 500, and the correct host ID must be selected via the bar code menus in *Chapter 5, Programming*.

Reset Switch - This allows for a momentary reset of the LL 500. Since the parameters are stored in non-volatile memory, they are retained. This switch should be pressed after a scanner is plugged into the unit.

LEDs - The green LED lights whenever power is applied to the LL 500, and flashes when in programming mode. The red LED lights when one port is active (i.e., the scanner's trigger is pulled), and information may not be entered through another port. It also lights when an incorrect bar code is scanned while in programming mode.

Reconfiguring the Primary Scanner Port

The LL 500-I200 is shipped with the primary scanner port configured for +12V operation. On the LL 500-I201, this port is configured for +5V. To change this:

1. Locate the two snap fasteners holding the LL 500 together. Insert a small screwdriver or opening tool (Symbol p/n 11-05312-01) into the opening of the fasteners marked with two dots and push. The unit separates.
2. Locate jumper J4 (see Figure 2-2).
3. Move the mating jumper plug to the +5V (1-2) or +12V (2-3) position.
4. Reattach the top cover by firmly pressing both fasteners together until they lock into place.

Reconfiguring the Secondary Scanner Port

The LL 500-I200 is shipped with the secondary scanner port configured for +5V operation. On the LL 500-I201, this port is configured for +12V. To change this:

1. Locate the two snap fasteners holding the LL 500 together. Insert a small screwdriver or opening tool (Symbol p/n 11-05312-01) into the opening of the fasteners marked with two dots and push. The unit separates.
2. Locate jumper J2 (see Figure 2-2 on page 2-4).
3. Move the mating jumper plug to the +12V (2-3) or +5V (1-2) position.
4. Reattach the top cover by firmly pressing both fasteners together until they lock into place.

Be sure to check the model number of your LL 500 to be certain the jumpers are properly set for your operation.

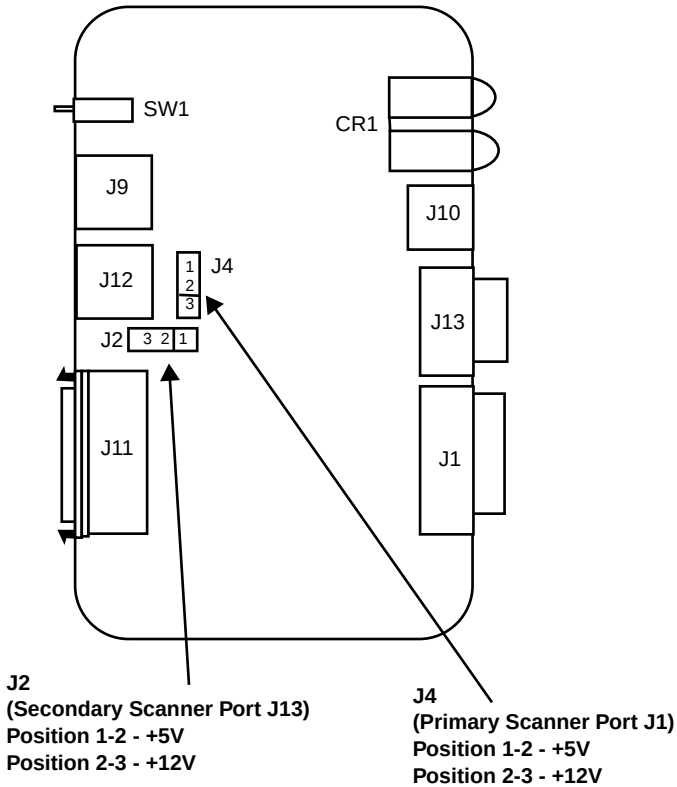

Figure 2-2. Scanner Port Configurations

Mounting the Controller

The LL 500 stand (Figure 2-3) attaches to a counter or shelf with Velcro.

An optional counter-mount stand which attaches to a counter or shelf with Velcro or screws may be ordered. Refer to Table 4-1 for information on optional accessories.

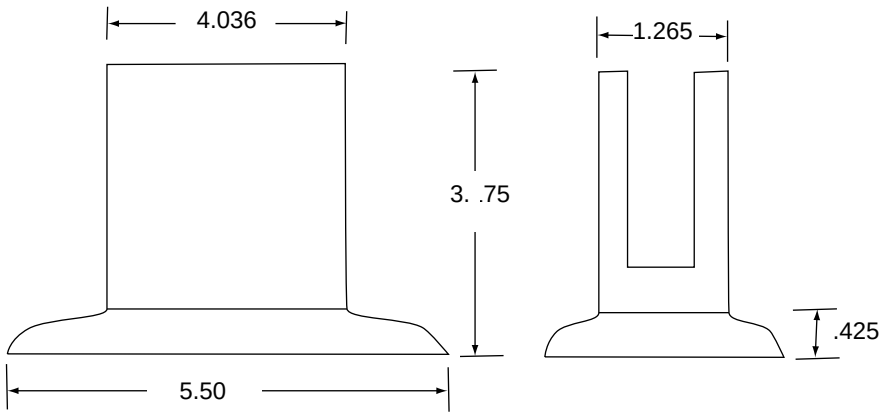

Figure 2-3. LL 500 Stand

Connecting the Controller

Refer to *Chapter 3, Connecting the LL 500* for installation instructions.