Chapter 4 Maintenance & Specifications

Maintenance

The LL 500 and its associated power supply have been designed to provide reliable service over an extended period with no maintenance. Should you have a problem with either, call the *Symbol Support Center* at the number listed on page ii.

Accessories

Host Cables

See *Cables* beginning on page 3-24 for the appropriate cable for your host.

Optional Accessories

The LL 500 optional accessories that follow must be ordered separately.

Table 4-1. LL 500 Optional Accessories

Part Number	Description
70-10382-XX	Product Reference Guide
KT-10384-01	Advanced Programmer's Kit
50-01400-108	Shipping Container
KT-05190-01	Counter Mount Stand
50-04000-041	117V Power Supply, 5V / 12V output
50-04000-040	220 / 240V Power Supply, 5V / 12V output
50-04000-037	100V Power Supply, 5V / 12V output
50-04000-058	117V Power Supply, 5V output
50-04000-085	220V Power Supply, 5V output
50-04000-084	100V Power Supply, 5V output
20-03351-01	Track 2 Magstripe Reader: MS-70
KT-04510-01	Track 1 Magstripe Reader: MS-71
KT-04510-02	Dual Track Magstripe Reader: MS-72
25-05290-01	Aux-PC Download Cable
25-05239-01	Cloning Cable
25-06000-01	External Beeper
11-05433-01	Power Jumper Plug
11-05312-01	Opening Tool

Technical Specifications

LL 500 Technical Specifications are shown in *Table 4-2*.

Table 4-2. LL 500 Technical Specifications

Power Requirements	+ 5 VDC, at 1.0 amp for controller (includes power for + 5 VDC scanner or wand). Optional +12 VDC, 1.2 amp for scanning devices requiring that power.	
Decode Capability	UPC / EAN, Codabar, Code 39, Code 39 Full ASCII, Code 128, Interleaved 2 of 5	
Operating Temperature	32° to 110°F	0° to 43°C
Storage Temperature	-30° to 160°F	-34° to 71°C
Humidity	5% to 95% (non-condensing)	
Weight:		
LL 500	7 oz.	199 gm
Stand	6 oz.	170 gm
LL 500 Dimensions:		
Length	5.0 in	12.7 cm
Depth	75 in	1.9 cm
Width	3.5 in	8.9 cm
Stand Dimensions:		
Length	5.5 in	14.0 cm
Depth	3.17 in	8.0 cm
Width	3.55 in	9.0 cm
Interface Cable length	Varies per host device	
Power Supply Input Options	100 VAC	50 / 60 Hz
	117 VAC	60 Hz
	220 / 240 VAC	50 Hz
Power Supply Output	+ 5 / + 12 VDC	1.2 A
	+ 5 VDC	1.0 A
Cable Length (Power Supply)	6 ft.	183 cm

What If...

Nothing happens when you follow the operating instructions.

You Should:

- Check that the system power is correct. (Is the unit correctly configured for Terminal or External power?)
- Ensure that system components are powered up.
- Make sure the correct interface cables are being used and that they are securely attached to the appropriate ports. See *Cables* beginning on page 3-24.
- Make sure the unit is programmed for the proper terminal type.
- Be sure that the LL 500 is programmed to decode bar codes of the symbology you are trying to decode. See *Chapter 5, Programming*.
- Check the parameters using the PC Download Program. If they have been misprogrammed, scan the **SET ALL DEFAULTS** bar code on page 6-5 and try again.
- Make sure the symbol you are trying to read is not defaced.
- Substitute components with known working units (i.e., scanner, host terminal).
- Press the reset button after adding or changing a scanner so the unit can determine which scanner is plugged in.

Note: If after performing these checks the symbol still does not scan, contact your distributor or call *Symbol Support Center*. See page ii for the telephone number.