

**Laser-Scan Ltd.**

**LSLSYSTEM Package**

**Release Notes**

Copyright (C) 2002 Laser-Scan Ltd  
Science Park, Milton Road, Cambridge, England CB4 4FY tel: +44 (0) 1223 420414

| Document       | "LSLSYSTEM Release" | Category               | "Release Notes" |
|----------------|---------------------|------------------------|-----------------|
| Document Issue | 4.0                 | Clarke Brunt           | 6-Dec-1994      |
| Document Issue | 4.1                 | Paul Hardy             | 13-Mar-1995     |
| Document Issue | 4.2                 | Clarke Brunt           | 24-Mar-1995     |
| Document Issue | 4.3                 | Tim Mulcahy            | 12-May-1995     |
| Document Issue | 4.4                 | Clarke Brunt           | 17-Jan-1996     |
| Document Issue | 4.5                 | Jamie Hulme            | 26-Apr-1996     |
| Document Issue | 4.6                 | Paul Hardy/Ron Russell | 27-Aug-1998     |
| Document Issue | 4.7                 | Clarke Brunt           | 17-Apr-2000     |
| Document Issue | 4.8                 | Paul Hardy             | 13-Nov-2002     |

## 1 CONTENT

This document describes recent changes to the Laser-Scan software package LSLSYSTEM. This package provides run time library support and system utilities to create an environment which is assumed by all other Laser-Scan software.

The programs and libraries of the LSLSYSTEM package are documented as part of the various application packages which use them. In particular, the user is referred to the MAPPING package documentation for general environment information. The main components of LSLSYSTEM are the LSL run time libraries such as LSLLIB.OLB, which is also provided as a shareable image file LSLSHR.EXE.

This document covers the changes to package LSLSYSTEM since the previous LAMPS release (V5.1) which went into Alpha test in August 1999. See the release notes for the previous LAMPS release for information about earlier changes.

See the release notes for the previous LAMPS release for information about earlier changes.

## 2 NEW OR CHANGED FACILITIES

The specified versions of the LSLSYSTEM package libraries and programs had the following facilities added, implemented or their actions altered.

- (A) RELEASE NOTES: - These have been trimmed back to the last regular issue.
- (B) LSLGOTHICSHR.EXE - Version of 1-Mar-2000 (OpenVMS VAX V6.2)  
LSLGOTHICSHR\_AXP.EXE - Version of 1-Mar-2000 (OpenVMS Alpha V6.2)
- (a) SPR 4675. New LSLGOTHICSHR with most recent version of the geometry handling library, geomlib (v1-66). It includes various fixes and enhancements, in particular to operations involving the combination of geometries.

NOTE: The VAX version of this library was built on OpenVMS VAX V6.2. It hence cannot be used under earlier versions of VMS such as V6.1 or V5.5-2. It is supported on OpenVMS VAX V6.2 and V7.1. The Alpha version is built on OpenVMS Alpha V6.2, and is supported on V6.2 and V7.1.

- (C) DPSDUMMYSHR.EXE - Version of 17-Oct-2002  
DPSDUMMYSHR\_TV.EXE - Version of 17-Oct-2002
- (a) Dummy client libraries for Display PostScript (DPS). Adobe, who produced Display PostScript have now ceased support, and instructed distributors such as Compaq to remove it from their operating systems. Hence the version of DECWindows (Motif V1.2-6) that accompanied OpenVMS VAX V7.3 removed the client libraries for DPS. Unfortunately it did not provide stub libraries as replacements, so all the programs like LITES2 which had been linked against DPS failed to start.

This dummy library can be used as a replacement for the original Compaq DPS libraries - see next item for command procedure to set up appropriate logical names.

(D) DPSDUMDEF.COM - Version of 17-Oct-2002

- (a) Command procedure to set up logical names for Display PostScript under Motif 1.2-6 to point to a dummy client library. (see previous item for explanation). The three logical names set up are: XDPS\$DPSBINDINGSSHR, XDPS\$DPSCLIENTSHR, and XDPS\$DPSLIBSHR, together with their \_TV equivalents for Alpha.

The supplied procedure defines the logical names system-wide, and it should be invoked from the system-wide initialisation file LSL\$STARTUP:LSDEFNS.COM, using @LSL\$COM:DPSDUMDEF.COM. If you want to use the procedure instead in a per-process context, then the qualifier /SYSTEM should be removed each line, and the procedure executed at login time.