



Graphical demo application

Manual

Version LFB25772

for the OPL9723

(For Operating System versions LBBV0225 or higher)

CAUTION: This user's manual may be revised or withdrawn at any time without prior notice.

Version

User's manual for the graphical demo application with (Micro)PDF417 and RSS for the OPL9723

Version: LFB25772

Operating System (OS) version: LBBV0225 or higher

June 2004

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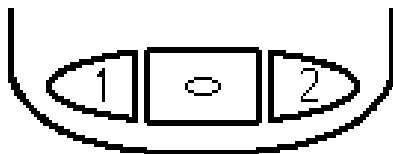
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1. Keys

The OPL9723 has 3 control.keys. In this small manual we use the names button 1, button 2, and trigger key.



1 = button 1
⦿ = trigger key
2 = button 2

Use button 1 and button 2 to navigate through the menu or to toggle between options.

Use the trigger button to select the menu item.

2. Main Menu

The main menu starts with the option Scan labels. Other options can be selected by button 1 and 2.



Options of the main menu are:

- Scan labels
- Scroll data
- System menu
- Delete data
- Send data
- Version

2.1 Scan Labels



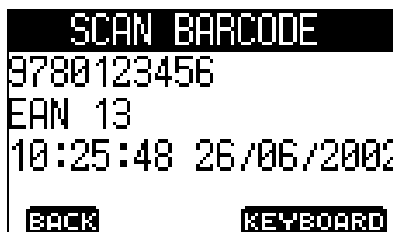
No data on RAM disk.

By pressing the trigger button the laser line emits and it is possible to scan a barcode.



Data present on RAM disk.

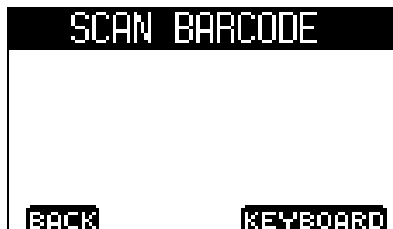
By pressing the trigger button the laser line emits and it is possible to scan more barcodes.



Data in display after scanning a barcode.

Use button 1 (back) to return.

Use button 2 (keyboard) to start the special full ascii keyboard input.



Data that can not be scanned. Use the option keyboard for manual input.

Use button 1 (back) to return.

Use button 2 (keyboard) to start the special full ascii keyboard input.



Data input with ascii keyboard.

Use button 1 and button 2 to navigate through the keyboard. The trigger button selects the key that is highlighted white. The 4 key symbols at the right means:

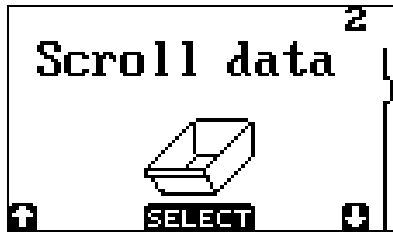
backspace key

enter key to enter input and return to barcode input screen.

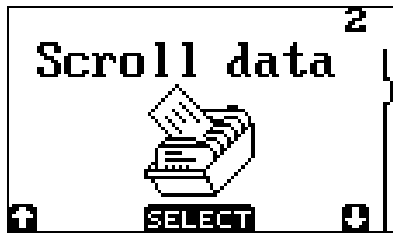
space key

escape (exit) key to cancel input and return to barcode input screen

2.2 Scroll data



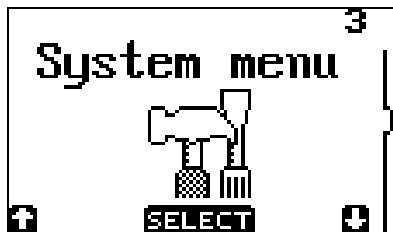
When no data is available the option select will result in a message that there is no data on the RAM disk.



When selecting this menu item it is possible to scroll through the inputted data.

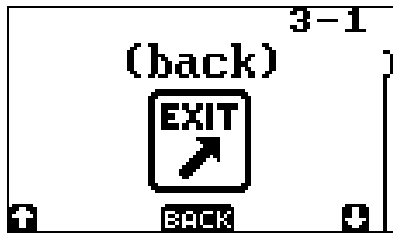
2.3 System menu

The System menu contains a submenu where special terminal options can be viewed or set. The navigation of this menu is the same as navigating the main menu.



The system menu consist of 7 items:

- (back)
- Barcodes
- Communicate
- Battery volt
- Memory
- Date / time
- Standby time



When the (back) menu item is selected the application returns to the main menu.



The barcode menu enables or disables barcode types that are supported by the OPL9723. More barcodes can be enabled at the same time.



Checked = enabling barcode



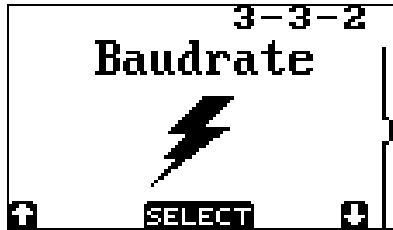
Unchecked = disabling barcode

Supported barcode types are:

- Code 39
 - EAN
 - UPC
 - Interleaved 2 of 5
 - Industrial 2 of 5
 - Codabar
 - Code 93
 - Code 128
 - MSI plessey
 - Telepen
 - UK plessey
 - IATA
 - Scode
 - Matrix 2of5
 - PDF417
 - MicroPDF417
 - RSS-14
 - RSS-Limited
 - RSS-Expanded
 - EAN•UCC 2D Composite Symbolologies
 - CC-A (MicroPDF417 based)
 - CC-B (MicroPDF417 based)
 - CC-C (PDF417 based)
 - All Addons
- By enabling all addons the addons for all supported barcode types are enabled.



With the communicate menu the baudrate and protocol can be set.



The baudrate menu enables or disables one baudrate.



Checked = baudrate enabled



Unchecked = baudrate disabled

By selecting a new baudrate the previous baudrate is disabled.



The protocol menu enables the protocol that will be used to send data. There are two protocols available. The No protocol sending data from the database as flat ascii. The NetO protocol sending data to the PC by the NetO protocol.

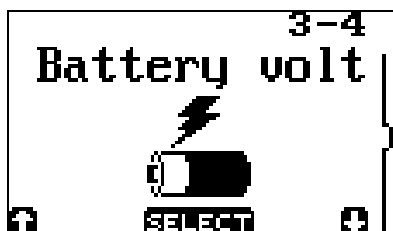


Checked = protocol enabled

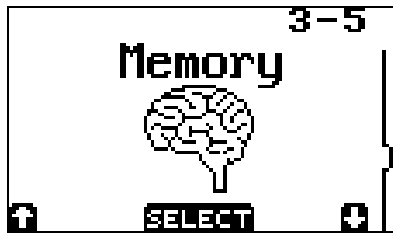


Unchecked = protocol disabled

By selecting a new protocol the previous selected protocol is disabled.



The battery voltage menu shows the current input voltage of the battery.



The memory menu shows the amount of free memory on the RAM disk.

When the message that the RAM disk is (almost) full appears then a small amount of memory is still free. The still available free memory is needed by data communication from the Send data menu.



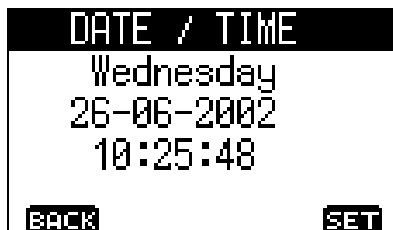
RAM disk is almost full, data is stored.



RAM disk is full, data is not stored.



The date / time menu item shows the current day, date and time.



Use button 1 (BACK) to return to the system menu.
Use button 2 (SET) to change the time and date.



Use button 1 and 2 to navigate.
Use Trigger button to change the value where the cursor is positioned.

When the cursor is placed under the E of End the new time and date can be saved. If the newly entered time or date is not a correct value an error message is signaled.



Error in setting: Time or date

The new settings are not saved when the error message is signaled.



Selecting the standby time sets the time the terminal stays on when no key is pressed. When pressing one of the three keys will turn the terminal back on.

2.4 Delete data



When no data is available the option select will result in a message that there is no data on the RAM disk.



When selecting this menu item it is possible to delete the inputted data.



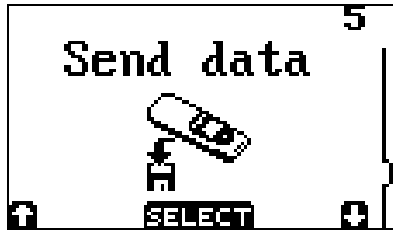
The default screen when delete data is selected and data is available. This screen will also appear when a successful send data (data transmission) occurs.

When cancel is selected the database is not removed from the RAM disk.



Use button 1 or 2 to switch between delete and cancel. When the delete option is selected the database is removed from the RAM disk and the application returns to the main menu.

2.5 Send data



By selecting the Send data menu the database if present can be transmitted to the PC. The protocol and baudrate as set in the communication menu are used.

The other communication parameters that can not be changed are:

Parity = None
Databits = 8
Stopbits = 1



When the transmit data message appears on the display put the OPL9723 in the cradle and then press a key. On the PC needs to run an application to receive the database.

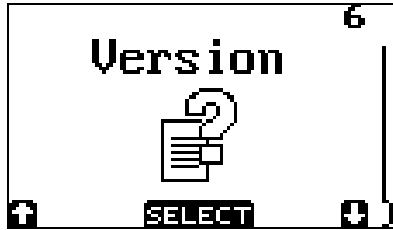
After a successful transmission a message appears to delete the database. See delete data for more information.



Transmission error during transfer protocol.

If this message appears transmission is interrupted. Then retry to transmit the database to the PC.

2.6 Version



Selection the version menu item the current software version is shown.



The software version of this application.

3. Data format

Each record is stored in a database file called DATA.TXT.

The fields in a record are:

<Barcode 200 characters right padded with spaces>
<Code ID 18 characters right padded with spaces>
<Time stamp 8 characters format HH:MM:SS>
<Date stamp 10 characters format DD/MM/YYYY>

The fields in record are separated by a comma and all records end with a <CR><LF> character.

A Complete record looks like this:

<Barcode>,<Code ID>,<Time>,<Date><CR><LF>

4. Battery

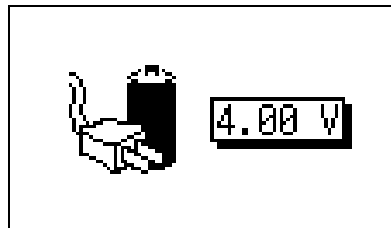
4.1. Battery charging



If the OPL9723 with the battery pack is placed in the cradle, the voltage and the required loading time is automatically determined.



During charging the OPL9723 shows one of the images on the left. Also the RED led on the terminal will emit.



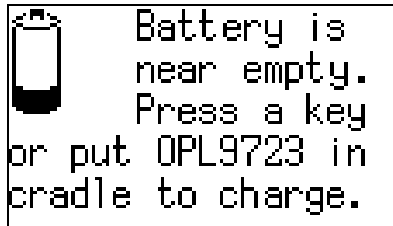
When the battery is fully charged the led will be GREEN and the image on the left will be shown. The voltage meter shows the voltage on the contacts of the battery.



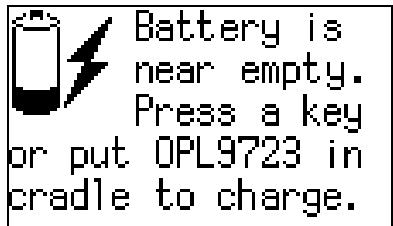
Note

- When sending data (transmission) battery will also be charged. The led will emit RED or GREEN, but the charging image is not displayed.
-

4.2. Battery near empty

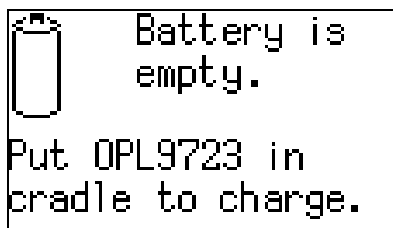


During operation a small amount of power is drained from the battery. When the battery detects that the battery is nearly empty, the near empty message is alerted.

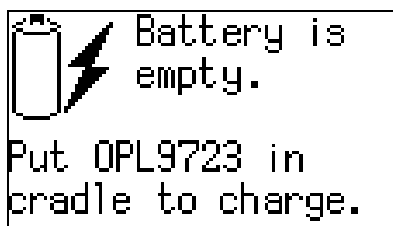


The OPL9723 can be placed on the cradle to recharge the battery pack or press a key to continue operation.

4.3. Battery empty



When already the battery near empty message has been alerted and operation was continued the battery empty message could be alerted. This message indicates that the battery needs to be recharged, it is not possible to continue operation without recharging the battery.



When the OPL9723 has been placed in the cradle the battery charging image appears. When the OPL9723 is picked from the cradle and the battery is not enough charged the battery empty message is alerted again. Place the OPL9723 in the cradle to charge the battery further.

If the battery is enough charged after a battery empty message. The application will start from the scan labels in the main menu.