



Graphical Demo Application

Manual

Version XFA30920

for OPH1000

(For Operating System versions XBAV0104 or higher)

CAUTION: This user's manual may be revised or withdrawn at any time without prior notice.

Version

User's manual for Graphical demo application

Model: OPH1000

Version: XFA30920

Operating System (OS) version: XBAV0104 or higher

February 2007

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1. Keys

The OPH1000 has full alphanumeric keypad with some additional control keys including the following:

		The Q1 key (Up key) or left key (with shift)
		The Trigger key.
		The Q2 key (Down key) or right key (with shift)
		While holding the shift key and pressing a numeric key the alpha representative value is displayed on the screen.

2. *The Menu Structure*

The menu structure consists of several items. These items together form the main and submenus. You may use the  (Q1) and  (Q2) keys to navigate through the menu and items may be selected by pressing the ENT or the  (Trigger) button. Direct selection of the menu is also possible by pressing the numeric equivalent of the menu item.

Below is the schematic representation of the OPH1000 menu.

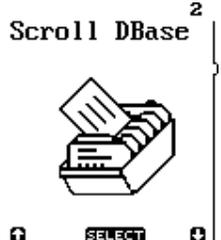
- 1 Scan Labels
- 2 Scroll Database
- 3 Transmit Data
- 4 Delete Database
- 5 System Menu
 - i. Com Port
 - 1. Port
 - 2. Baudrate
 - 3. Parity
 - 4. Databits
 - 5. Stopbits
 - ii. Protocol
 - iii. Display
 - iv. Barcodes
 - v. Memory
 - vi. Drive
- 6 Version

2.1 Scan Labels

	<p>Scan Labels</p> <p>By pressing the trigger button the laser line emits and it is possible to scan a barcode.</p>
<p>Scan or type..</p>	<p>Barcode can now be scanned by pressing the trigger button. You may also use the keypad to enter code.</p> <p>To enter alpha data, hold the  (Shift) button while pressing any of the numeric keys. To enter the input data press the  (ENT) or  (Trigger) keys.</p> <p>To return to the main menu, press the  (CLR) key.</p>
<p>Scan or type.. 00167701 Total: 0 Add: 1</p> <p>Scan or type.. 00167701 Total: 1 Add: -1</p>	<p>The data entered now appears on the display.</p> <p>Total indicates the current quantity in the database. If the entered data does not exist in the database yet, the total is 0.</p> <p>By default, you are adding 1 to the total. You may overwrite the default value with any number that is 4 digits or less.</p> <p>To input a negative value, keep the  (Shift) pressed and press the  (0). To make a negative value positive, repeat the same process.</p> <p>To enter the input press the  (ENT) or  (Trigger) keys.</p> <p>If the Total + Add quantity is 0 (zero) the record is deleted from the database.</p>

	<p>If the total quantity in the database plus the newly added quantity exceeds 999999 or -999999, then an error message appears. The added quantity is not stored in the database.</p> <p>After pressing a key the scan barcode menu appears.</p>
<p>Scan or type..</p>	<p>After entering the quantity the application returns to the scan barcode screen.</p>

2.2 Scroll data

	<p>This option allows you to scroll through the database of stored codes.</p>
	<p>To navigate through the inputted data use the  (Q1) and  (Q2) keys.</p>

2.3 Transmit Data

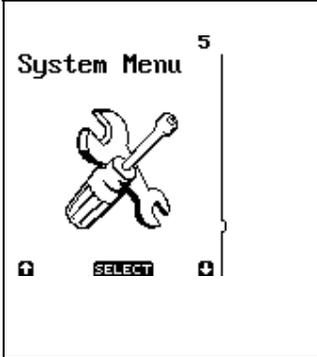
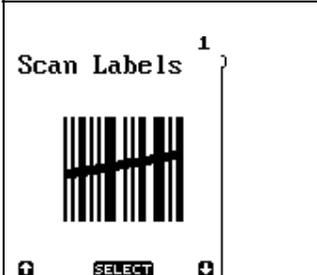
	<p>By selecting the Transmit Data option, the database, if present, can be transmitted to the PC. The system will use the settings selected in the System Menu.</p> <p>The communication parameters include: Protocol: Default = NetO Protocol Port: Default = Cradle Baudrate: Default = 115200 Parity: Default = None Databits: Default = 8 Stopbits: Default = 1</p>
<p>Error Net0 Code=-3</p> <p>Press any key</p>	<p>When the transmit data message appears on the display put the OPH1000 in the cradle. You must run an application to receive the data on the PC</p> <p>Following a transmission, a message appears to inform you whether it was successful or not.</p> <p>If you receive an error message, check your settings, ensure the PC application is running and ready to receive, then try to transmit the database again.</p>

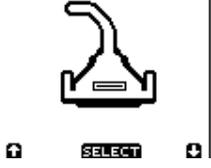
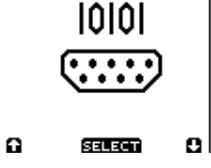
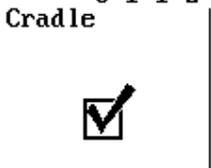
2.4 Delete Database

<p>Delete DBase ⁴</p> 	<p>You may select this menu item if you wish to delete the entire database from the OPH1000</p>
<p>Delete Database?</p> <p>[ENTER] = YES [CLEAR] = NO</p>	<p>You are then asked to confirm your choice. You can now press  (ENT) to delete the database or  (CLR) to cancel and return to the previous screen.</p> <p>When cancel is selected the database is not removed from the RAM disk.</p>

2.5 System Menu

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

	<p>The system menu consist of 6 items:</p> <ul style="list-style-type: none"> • Com Port • Protocol • Display • Barcodes • Memory • Drive
	 <p>When the CLR (CLR) button is selected, the application returns to the main menu.</p>

<p>Com Port 5-1</p> 	<p>You may use the Com Port menu to change the communication settings.</p> <p>Your options include:</p> <ol style="list-style-type: none"> 1. Port 2. Baudrate 3. Parity 4. Databits 5. Stopbits
<p>Port 5-1-1</p>  <p>Cradle 5-1-1-2</p> 	<p>The Port setting controls how you connect your device to the PC.</p> <p>The OPH1000 supports two methods including IrDA and Cradle.</p> <p>The default setting is Cradle.</p>
<p>Baudrate 5-1-2</p> 	<p>The Baudrate menu allows you to select a baudrate from a set of standards.</p> <p>These include:</p> <ol style="list-style-type: none"> 1. 115200 (Default) 2. 57600 3. 38400 4. 19200 5. 9600 6. 4800 7. 2400 <p><input checked="" type="checkbox"/> Checked = baudrate enabled <input type="checkbox"/> Unchecked = baudrate disabled</p> <p>When selecting a new baudrate, the previous baudrate is disabled.</p>

<p>Parity ⁵⁻¹⁻³</p>  <p><input type="checkbox"/> SELECT <input type="checkbox"/></p> <p>None ⁵⁻¹⁻³⁻¹</p>  <p><input type="checkbox"/> SELECT <input type="checkbox"/></p>	<p>The Parity menu allows you to select which type of parity your code uses.</p> <p>You can choose from:</p> <ol style="list-style-type: none"> 1. None (Default) 2. Even 3. Odd
<p>Databits ⁵⁻¹⁻⁴</p>  <p><input type="checkbox"/> SELECT <input type="checkbox"/></p> <p>8 databits ⁵⁻¹⁻⁴⁻²</p>  <p><input type="checkbox"/> SELECT <input type="checkbox"/></p>	<p>The Databits menu allows you to select the number of databits used in your code.</p> <p>You can choose from:</p> <ol style="list-style-type: none"> 1. 7 2. 8 (Default)
<p>Stopbits ⁵⁻¹⁻⁵</p>  <p><input type="checkbox"/> SELECT <input type="checkbox"/></p> <p>1 stopbit ⁵⁻¹⁻⁵⁻¹</p>  <p><input type="checkbox"/> SELECT <input type="checkbox"/></p>	<p>The Stopbits menu allows you to select the number of stopbits your code uses.</p> <p>You may choose from:</p> <ol style="list-style-type: none"> 1. 1 (Default) 2. 2

<p>Protocol ⁵⁻²</p>  <p>SELECT</p> <hr/> <p>Net0 protocol ⁵⁻²⁻²</p>  <p>SELECT</p>	<p>The Protocol menu allows you to select the method of communication with the PC. The "No Protocol" setting sends data from the database as flat ascii. The NetO protocol sends data to the PC using the NetO protocol.</p> <p><input checked="" type="checkbox"/> Checked = protocol enabled <input type="checkbox"/> Unchecked = protocol disabled</p> <p>By selecting a new protocol the previous selected protocol is disabled.</p>
<p>Display ⁵⁻³</p>  <p>SELECT</p> <hr/> <p>CHANGE CONTRAST</p> <p>Q1: Darker Q2: Lighter</p>	<p>The Display menu allows you to change the contrast of the OPH1000 display</p> <p>You may use the  (Q1) key to make the screen darker and the  (Q2) to make the screen lighter.</p>

<p>5-4</p> <p>Barcodes</p>  <p>SELECT</p>	<p>The barcode menu enables or disables the supported barcode symbologies. Multiple barcodes can be enabled at the same time.</p> <p><input checked="" type="checkbox"/> Checked = enabling barcode</p> <p><input type="checkbox"/> Unchecked = disabling barcode</p>
<p>5-4-13</p> <p>UK/Plessey</p>  <p>SELECT</p>	<p>Supported barcode types include:</p> <ul style="list-style-type: none"> • UPC (Default) • EAN (Default) • Code 39 (Default) • Codebar (Default) • Industrial 2 of 5 (Default) • Interleaved 2 of 5 (Default) • S-Code (Default) • Matrix 2 of 5 • Chinese Post • IATA Code (Default) • MSI (Default) • Telepen (Default) • UK/Plessey (Default) • Code 128 (Default) • Code 93 (Default) • Code 11 • Korean Post • RSS-14 • RSS-Limited • RSS-Expanded • PDF417 (Default) • MicroPDF417 (Default) • All Add-Ons <p>By enabling all Add-Ons the add-ons for all supported barcode types are enabled.</p>

<p>Memory 5-5</p>  <p>Press any key</p>	<p>The Memory menu shows the amount of free memory on the RAM disk.</p> <p>When the RAM disk is (almost) full, a message appears. The remaining memory is needed for data communication from the Transmit Data menu.</p> <p> RAM disk is almost full, data is stored.</p> <p> RAM disk is full, data is not stored.</p>
<p>Drive 5-6</p> 	<p>The Drive menu allows you to select the default drive for file storage.</p> <p>You may choose between the following:</p> <ol style="list-style-type: none"> 1. Internal RAM (Default) 2. Memory Card

2.6 Version

 <p>The screenshot shows a terminal window with the text 'Version 5-1-6' at the top. Below it is a large question mark icon inside a circle. At the bottom, there is a 'SELECT' button flanked by left and right arrow keys.</p>	<p>The version menu allows you to view the current software version.</p>
 <p>The screenshot shows a terminal window with the following text: 'OPH Demo' (highlighted in a black box), 'Software', 'Version #', 'XFA30920', and 'Press any key'.</p>	<p>The software version of this application.</p>

3. Data format

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

The fields in a record are:

<Barcode: 30 characters, right padded with spaces>

<Quantity: 7 characters, left padded with spaces, 6 numeric and 1 sign bit>

<Time stamp: 8 characters, format HH:MM:SS>

<Date stamp: 10 characters, format DD/MM/YYYY>

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

A complete record looks like this:

<Barcode>,<Quantity>,<Time>,<Date><CR><LF>

The maximum of 999999 records can be stored on this terminal.

