

# Opticon Setup & Utility Installation Manual (OPH-3001)

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**INTRODUCTION:** This document contains the instructions for installing and using the OPH-3001 document scanner with SIMS. OPH-3001 scanners that were purchased through SIMS Software come pre-loaded with the SIMS Utility file necessary to perform Barcode Inventories in the SIMS v7 application. For the scanner to function with SIMS, the following Drivers and Software need to be installed on your system prior to first use. Before beginning the installation, please remove the scanner from its box, plug the cord into the bottom of the device, and plug the USB into your system.

- 1. <u>Download USB serial Driver Installer Package</u>: Opticon distributes installers via the Opticon Website and are intended to work on both 32- and 64-bit versions of the following Operating Systems:
  - 1. Windows XP (32-bit only)
  - 2. Windows Vista
  - 3. Windows 7
  - 4. Windows 8
  - 5. Windows 8.1
  - 6. Windows 10
  - 7. And select versions of Windows Server
- Download, Install, and Setup the OseComm32 App: OseComm32 is the name for the Opticon's filetransfer protocol developed to transfer data from the terminal devices to a host computer. Data is transferred as one .TXT file. OseComm32 is supported on Opticon scanners loaded with the SIMS Utility software and on host computers loaded with the drivers from step 1.
  - <u>Communication Settings</u>
  - Protocol Tasks (Setting up receiving data)
- 3. <u>Using the OPH-3001 Scanner</u>: Begin using your scanner to scan locations and codes for importing into SIMS. Once scans are complete, plug the USB cord provided into both the scanner and a USB port on your system to begin the download process.
- 4. Importing Scanned Barcodes into SIMS: Locating your barcode .TXT file and importing into SIMS.
- <u>OPH-3001 Scanner Additional Functions</u>: This section contains instructions for additional OPH-3001 Scanner Functions.



#### Step #1: Download USB Driver Installer:

1. Go to <u>http://wiki.opticonusa.com/techsupport/en/Drivers</u> to download the Driver installer file (**USB Drivers Installer.exe**).

Note: The Opticon Drivers are designed to work with the following Operating Systems: Windows XP (32-bit only); Windows Vista; Windows 7; Windows 8; Windows 8.1; Windows 10; and select versions of Windows Server.

- 2. Open the file and follow your system's instructions to install the drivers. (If you have trouble locating the .exe file, look in the *Downloads* folder).
- Select the components to install on your system. For the OPH-3001, the "OPN/OPR/MDI/OPI/MS/M6 Drivers" option is required. The installer will create new folder. The default for x64 systems is: "C:\Program Files (x86)\Opticon\USB Drivers Installer".



4. The installer will indicate when the Driver have been successfully installed.

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	Opticon USB Drivers Installer Setup	talled succe	× essfully.
			ОК
Cancel	Opticon USB Installer V1.613	< <u>B</u> ack	⊆lose



## Step #2: Download, Install and setup the OseComm32 App

- Go to <u>http://wiki.opticonusa.com/techsupport/en/OSEComm</u> to download the installer. Download the latest version of OseComm32 by clicking on the *Download* link and extract **SetupOseComm32.exe** from the zip file. (If you have trouble locating the file, look in the *Downloads* folder).
   Note: The OpticonUSA OseComm website contains additional screenshots to support your successful download of this installer.
- Double click on the file and follow your system's instructions to run the installer. Proceed through the screens by clicking Next or making changes as necessary.
   Note: During the installation, the installer will pre-populate the Destination Folder for the





3. Toward the end of the installation, the system will ask if you want to create a shortcut on the desktop for easy use:

目 OseComm32 1.0.14.0	Setup	_		$\times$
	<b>Installing</b> Please wait while OseComm32 1.0.14.0 is b	eing inst	alled.	
Create shortcut: C:\Use	ers \CA. Admin \AppData \Roaming \Microsoft \Windo	ws\Start	t Menu \Pro	ogri
Output fol Extract: O	omm32 1.0.14.0 Setup	×		
Create she	Do you want to create a shortcut on the desk	top	ме	
	Yes N	0		
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4. The installer will indicate when the setup is complete. Click **Finish** to launch the OseComm32 application.





#### **Communication Settings**

The following steps are to run the OseComm32 Application and setup **Communication Settings** between OseComm32 and the OPH-3001 scanner.

- 1. Click on the **Options** menu and select **Stop Protocol** if it is available.
- 2. Navigate to **Options->Communications Settings**.

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File Opt	ions Language Help		
	Start Protocol Stop Protocol	 	
	Default Settings		
	Communication Settings		
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3. Set up the OseComm32 application to communicate with the OPH-3001. Identify the Serial Port your device is using (it will include "Opticon" in the name). Click **OK** to save.

Communication options		×
Protocol Tasks	Serial Port       Communication Specific Serial Port         Option USB Code Reader (1D) (COM3) <ul> <li>It5200 Baud</li> <li>Sr600 Baud</li> <li>Sr600 Baud</li> <li>Sr600 Baud</li> <li>Sr600 Baud</li> <li>It200 Baud</li> <li>Sr600 Baud</li> <li>It200 Baud</li> <li>Sr600 Baud</li> <li>Sr600 Baud</li> <li>Sr600 Baud</li> <li>It200 Baud</li> <li>St600 Baud<td>ed start. .start</td></li></ul>	ed start. .start
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#### **Protocol Tasks**

The following steps define how and where the OseComm32 application receives the files from the OPH-3001 scanner. Setting up of the Protocol Tasks can be done any time prior to uploading the scanned data. These Tasks can be edited or deleted in the future if needed.

Note: These settings must be defined for each workstation.

1. Click on the **Options** menu and select **Stop Protocol** if it is available.

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File	Options	Language	Help			
I	Sta Sto	<b>rt Protocol</b> p Protocol		 		
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- 2. Navigate to Options ->Communications Settings.
- 3. Click on **Protocol Tasks**. This is where you set up your "Tasks" to retrieve the scanned barcodes and sort by date, etc. You can return to this screen to edit your tasks, add new tasks, and/or delete tasks.
- 4. Double click the existing Task if it is there, or if one does not exist:
  - a. Click on the drop down field and select Receive File(s).
  - b. Click on Add Task button to move to your next selection screen.

Communication options	×
Communication Set Protocol Tasks	
Task Group	
Add Task Delete All Tasks	
	OK Cancel Help

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- 5. In the **Receive File(s) Dialog** Box:
  - a. Ensure the **Drive** is set to **Default drive**.
  - b. Ensure the Filename is set to "DATA.TXT".
  - c. Update the **Download Folder** to where the data file should be saved. **Note:** A Network Drive cannot be selected.
  - d. Update the **Download** type as needed (**New File** is recommended).
  - e. Update the Advance filename as needed (Filename ID Date Time is recommended).
  - f. Click **OK** to save.

Receive File(s) Dialog	×
Terminal Drive Default drive	Continue when not available
PC Download folder: C:\Users\c\Desktop	
Ownload type     Append File     Overwrite File     New Extension     New File	Advanced filename Terminal filename Terminal ID Time hhmmss  Date DDMMYYYY
	Filename ID Time Date V OK Cancel



6. This task will appear in OseComm32 ready to use when importing scanned text files. By clicking OK, OseComm32 is now ready to receive the uploaded data from the scanner. You will need to open OseComm32 and run the Tasks each time you need to upload scanned barcodes.

Protocol Tasks	Task List:  Receive File(s) DATA.TXT from Default drive to folder C: \Program Files (x86)\Opticon
< >>	Task Group     Edit Task       Receive File(s)     V       Add Task     Delete Task       Delete All Tasks     Delete All Tasks



#### STEP #3: Using the OPH-3001 SCANNER

1. Turn on the scanner by pressing the power button. Use the up/down to navigate to the Scan Labels screen. Use the Scan/Enter button to select the screen.



2. After pressing **Scan/Enter**, the next screen is ready to scan the barcode of the Location, Container, etc. The Location will always be the first barcode scanned.





3. Once the location barcode is scanned, the location is set and is stated at the top of the following screen. From here, scan a barcode and it will represent the first barcode scanned at the specified location. All subsequent scans will be under this location until the location is changed.



4. To change the location, click the **[ESC]** button and then **Scan/Enter** to scan the new location.





5. When scanning is complete, press **[ESC**] twice. This will return the scanner back to the menu. Press the up/down buttons to find the **Download Data** screen. Your scanner is now ready to download data to your workstation.





### Downloading Data from Scanner to Workstation:

Once you have completed the barcode scanning, you will need to download the data to your workstation via OseComm32 and store it until you are ready to import into SIMS and run the **Barcode Inventory Transaction**.

- 1. Plug in the scanner to your computer via the USB cable. A light above the **OPTICON** logo on the device will indicate that it is connected.
- Open OseComm32 on your workstation and ensure the Communication Settings and Serial Port are correct in OseComm32 by going to Options -> Communication Settings. The Serial Port dropdown should point to Opticon USB Code Reader.
- 3. Select the **Scan/Enter** button on the device. This begins the download process of the file containing the location(s) and barcodes in a '<location>, <barcode>' format.
- 4. In OseComm32, select Options -> Start Protocol. Once the data has been downloaded successfully from the device to the OseComm32 Application, the device will say "Download Successful!". OseComm32 should provide a status log similar to below:

File Options Language Help  2020-08-05,10:17:17] Cannot transmit frame data.  2020-08-05,10:16:46] Communication session complete.  2020-08-05,10:16:46] Received file DATA.TXT stored as C:\Opticon\DATA.TXT  2020-08-05,10:16:46] Receive file DATA.TXT from terminal.  2020-08-05,10:16:46] Connected, Session / Terminal ID: 5762745  2020-08-05,10:16:41] User aborted the protocol.	🛅 OseComm32 - Untitled	_	×
Polling [2020-08-05,10:17:17]. Cannot transmit frame data. [2020-08-05,10:16:46] Communication session complete. [2020-08-05,10:16:46] Received file DATA.TXT stored as C:\Opticon\DATA.TXT [2020-08-05,10:16:46] Receive file DATA.TXT from terminal. [2020-08-05,10:16:46] Connected, Session / Terminal ID: 5762745 [2020-08-05,10:16:41] User aborted the protocol.	File Options Language Help		
[2020-08-05,10:17:17]       Cannot transmit frame data.         [2020-08-05,10:16:46]       Communication session complete.         [2020-08-05,10:16:46]       Received file DATA.TXT stored as C:\Opticon\DATA.TXT         [2020-08-05,10:16:46]       Receive file DATA.TXT from terminal.         [2020-08-05,10:16:46]       Terminal OseComm protocol version 1.02         [2020-08-05,10:16:46]       Connected, Session / Terminal ID: 5762745         [2020-08-05,10:16:41]       User aborted the protocol.	Polling		
[2020-08-05,10:16:46] Received file DATA.TXT stored as C:\Opticon\DATA.TXT [2020-08-05,10:16:46] Receive file DATA.TXT from terminal. [2020-08-05,10:16:46] Connected, Session / Terminal ID: 5762745 [2020-08-05,10:16:41] User aborted the protocol.	[2020-08-05,10:17:17] Cannot transmit frame data. [2020-08-05,10:16:46] Communication session complete.		 ~
[2020-08-05,10:16:46] Terminal OseComm protocol version 1.02 [2020-08-05,10:16:46] Connected, Session / Terminal ID: 5762745 [2020-08-05,10:16:41] User aborted the protocol.	[2020-08-05,10:16:46] Received file DATA.TXT stored as C:\Opticon\DATA.TXT [2020-08-05,10:16:46] Receive file DATA.TXT from terminal.		
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	[2020-08-05,10:16:41] User aborted the protocol.		
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- 5. Locate the downloaded .TXT file on your computer in the file path that is listed in OseComm32.
  - **Example:** "Received file DATA.TXT stored as {*filepath*}." Open the file and it should appear as shown below. Save this file to a known location until you are ready to import into SIMS.

🥘 *DAT/	A_0000.TXT - Notepad	_	$\times$
File Edit	t Format View Help		
14373,	14377		~
14373,	14379		
14373,	14380		
14373,	14381		
14387,	14386		
14387,	14385		



## Importing Scanned Barcodes into SIMS

Once you have saved the .TXT file with your scanned codes, you can import them to prepare a Barcode Inventory Report in SIMS.

#### **Completing the inventory in SIMS7 Client:**

1. Select **Documents** or **IS -> Transactions -> Barcode Inventory** from the SIMS output list.





2. Select Source: File, then select your preferences to all available options on this screen to produce the report in the preferred format. Click **OK**.

Source	Type of Barcode Da	ta	
File     O Barcode Scanner	Container	O Custodian	
Scanner	Sort Containers By		
	Container ID		~
	Sort Order		
Port	Ascending	O Descending	
len en e	Sort Documents By		
Options	Document Number		~
Include Documents that are not marked Account	table Sort Order		
	Ascending	O Descending	
Print Exceptions Only			
Show Exceptions in Red			
Export List of Exceptions			
(*) Comma Separated O Tab Delimited			
Remarks			
			0
			1

3. A File Explorer window will appear. Browse for the inventory file saved on your machine.



4. Highlight the .TXT file containing the barcode data you want processed and click **OK**. The data will be downloaded, processed, and SIMS will display a report. To save this report before closing it, select Export, then select the desired report format and select OK. Choose the desired location on your machine and select Save.

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		14375		No document found that matches th barcode.	e scanned		
		14316		No document found that matches th barcode.	e scanned		
		14217		No document found that matches th barcode.	e scanned		
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## ADDITIONAL FUNCTIONS for OPH-3001 Scanner

# EDIT/CLEAR BARCODES: OPH-3001 SCANNER

1. Edit scanned barcodes by scrolling through the main menu using the up/down buttons until you come to **Scroll DBase** and press the **Scan/Enter** button to select.





 The screen will display the first Location and the first Barcode in that location and will scroll firstscanned to last-scanned. For example, Location 1 will start with Barcode 1 until all barcodes have been scrolled through for that location. Once the last barcode has been scrolled, it will move to Location 2, Barcode 1, and so on.



# \*Note: The Alt button shown above must be pressed and acts as a Shift button in order for the Fn1 and Fn2 buttons to function.

3. To delete, scroll to the barcode to be deleted and press **Fn1**. The scanner will confirm if you want to delete the barcode in the specified location on the screen. Press **Scan/Enter** to delete.



4. To Edit, press Fn2.



5. The scanner will display the Edit screen.



6. Press 1 if the location is to be edited or press 2 if the barcode is to be edited.



7. If you wish to edit the Location, the following screen will appear. Press **Scan/Enter** to scan or type a new location.



8. If you wish to edit the Barcode, the following screen will appear. Press **Scan/Enter** to scan or type a new barcode.



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9. From the main menu use the arrow keys to scroll up or down to find the screen that says **Delete DBase** as shown below.



10. From the Delete DBase screen, press Scan/Enter and a confirmation screen will appear on the device. Press Scan/Enter to clear all locations and barcodes from Opticon device. The below message remains on the screen, but you can confirm the database has been deleted by scrolling to the Scroll Dbase menu option (it will say database is empty).

