

Oracle Warehouse Management Cloud

Mobile App Guide

Release 21C



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Preface

Oracle® Warehouse Management Cloud Mobile App Guide, Release 21C

Part No. F42372-01

This guide describes in detail how to configure and use Oracle Warehouse Management (WMS) Cloud. All functionality unless specifically noted is available in Oracle Warehouse Management Enterprise Edition Cloud. Please direct any functionality questions to [My Oracle Support](#).

Change History

Date	Document Revision	Summary of Changes
6/21/21	-01	Updates for 21C. Included Receiving module transaction details.

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Using Applications

Additional Resources

- **Community:** Use [Oracle Cloud Customer Connect](#) to get information from experts at Oracle, the partner community, and other users.
- **Guides and Videos:** Go to the [Oracle Help Center](#) to find guides and videos.
- **Training:** Take courses on Oracle Cloud from [Oracle University](#).

Conventions

The following table explains the text conventions used in this guide.

Convention	Meaning
boldface	Boldface type indicates user interface elements, navigation paths, or values you enter or select.
<code>monospace</code>	Monospace type indicates file, folder, and directory names, code examples, commands, and URLs.
>	Greater than symbol separates elements in a navigation path.

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1 Overview – Oracle WMS Cloud Mobile Application

Built in Oracle Visual Builder, the Oracle Fusion Cloud WMS Mobile Application (App) features modern, graphical, and mobile screens that can scan barcodes and display images on both iOS and Android-based devices.

Common features available in the mobile based application:

- You can setup multiple profiles or environments within the application that allow you to point to different WMS cloud environments.
- The application supports both single and multi-field barcodes using the existing configuration available in the Oracle WMS Cloud service.
- The application can use the device's camera to scan the barcodes or can also work with a barcode scanner attachment that converts the barcode into keyboard input.
- Integrated with the similar menu system as the existing Web UI and text based Mobile RF UI's. A new menu type of "VBCS Mobile" and a new screen type "VBCS Mobile" are added to the Oracle WMS Cloud product.
- Supports similar literals and language translation configuration and features available with the Oracle WMS Cloud Web UI, and the text based Mobile RF.
- Supports display of high and upload of images.
- Few transactions have a screen configuration (settings icon) where you can configure fields on that screen.
- The hamburger icon navigates to the main pane where on tapping the Home option lists the menu of WMS transaction and Logout option.

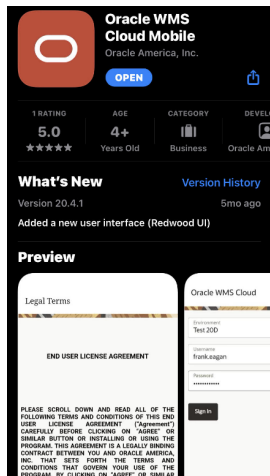


- Access to Legal Term's End-User License Agreement (EULA) when installing the application.

2 Download and Setup

To download and install from the Apple store for iPhone:

1. Launch the Apple store,
2. Tap the magnifying glass on the bottom right to search for Oracle WMS Cloud Mobile App.



3. Tap **Get** to download and install for free.

To download from the Google Play store for Android:

1. Launch the Google Play store.
2. From the top of the screen, type Oracle WMS Cloud Mobile App and tap search.
3. Select the app from the search results to download and install for free.

Note: The app layout is optimized for phone sized screens rather than tablet sized screens.

3 Configuring Screens for Mobile App

Before using the Mobile Application, you need to configure the Menu Configuration for specific screens supported for the Mobile Application.

To setup Menu Configure, do the following:

- 1. From the **Menu Configuration** UI, and click "+" icon button at top right of the Menu UI Screen.
- 2. Enter the Name and select the Screen Type = "**VBCS-Mobile**" for the Mobile Application.



- 3. To assign the Menu to the group, go to **Group Configuration** UI > click the **VBCS Mobile Menu** > add the Menu (here, **Mobile App**) to the existing or a new group.

Groups					
Permissions					
Company	Name	UI Menu	RF Menu	VBCS Mobile Menu	
QATSTPC	Mobile App group			Mobile App	
QATSTPC	SHGRP2	WJUI01	SHRF		
QATSTPC	BH_GROUP_INKA	BH_UI	INKA_RF		
QATSTPC	KNSUPGRP01	KNUI01	KNRF01		
QATSTPC	KNEMPGRP01	KNUI01	KNRF01		
QATSTPC	SHGRP	WJUI01	SHRF		
QATSTPC	KNGRP01	KNUI01	KNRF01		

- 4. Create a user with the above group (Mobile App group) or you can also update an existing user with the group. Assign the default group to the **VBCS-Mobile** (here, Mobile App) menu you created.

Users

Work Areas Groups Assign Equipment Type User Change History Create support user RF Device Connection Details User Summary

Active	Login	First Name	Last Name	Password Life in Days	Type	Hire Date	Hourly Wage
Yes	Mobileuser	Mobile	User	365	Internal	05/27/2019 5:00:0...	100
Yes	SAALL03	Sharomila	Aravind	365	Internal	06/10/2019 5:00:0...	100
Yes	BNALL02	Bhavya	Reddy2	365	Internal	07/16/2019 5:00:0...	250
Yes	SAALL02	Sharomila	Aravind	365	Internal	06/10/2019 5:00:0...	100
Yes	SHALL01	Shifali	Mendon	365	Internal	11/19/2020 12:00:0...	100
Yes	KNALL01	Kausik Nagara...	P	365	Internal	09/21/2017 5:00:0...	0
Yes	JPALL163	Jane	Pulikkal	365	Internal	05/17/2015 5:00:0...	100
Yes	JPALL161	Jane	Pulikkal	365	Internal	05/17/2015 5:00:0...	100
Yes	JPALL16	Jane	Pulikkal	365	Internal	05/17/2015 5:00:0...	100
Yes	RRALL01	Ricky	Runnel	365	Internal	10/05/2020 12:00:...	0
Yes	AMGN	ARUN	M	365	Internal	09/20/2019 8:51:4...	0
Yes	WJTRN02	WashiTRN2	Jamir	365	Internal	04/08/2014 5:00:0...	0
Yes	test_user1	Test	User1	365	Internal	08/28/2020 5:00:0...	0
Yes	RKALL02	RAJIV	KIRANI	365	Internal	04/01/2014 5:00:0...	0
Yes	WJLOCATE	Washi	Jamir	365	Internal	04/08/2014 5:00:0...	0

5. You can add module screens to the menu through one of the following ways:
- Go to **Menu Configuration** UI > select your menu that created and click **Details** icon.
 - The menu_dtl screen opens. Click **Insert Screen**.

Menu Config menu_dtl

Mobile App
LPN Inquiry
Create IBLPN
Item Inquiry

Name * Mobile App
Screen *

Insert Menu **Insert Screen** Delete Node

Save Cancel

- c. The screen drop-down is enabled for you to add the screens to your menu. Enter the screen name and click **Save**.

The screenshot shows the 'Menu Config' interface for 'menu_dtl'. On the left, a tree view shows the 'Mobile App' menu with sub-items: 'LPN Inquiry', 'Create IBLPN', 'Item Inquiry', and 'Lock Unlock LPNs'. On the right, a form is used to add a new screen. The 'Name' field is empty, and the 'Screen' dropdown menu is open, showing 'Lock Unlock LPNs' selected. Below the form, there are buttons for 'Insert Menu', 'Insert Screen', and 'Delete Node'. At the bottom right, there are 'Save' and 'Cancel' buttons.

- d. Alternatively, you can also go to Modules UI and search using the **Screen Type = VBCS-Mobile**. The UI will display all available modules for that screen type.

The screenshot shows the 'Modules' search interface. On the left, there are search filters for 'Products', 'Module Name', and 'Description'. The 'Screen Type' dropdown is set to 'VBCS-Mobile'. On the right, a table lists the modules found.

Products	Module Name	Description	Screen Type
wtms	CreateLPN	Create LPN	VBCS-Mobile
wtms	ItemInquiry	Item Inquiry	VBCS-Mobile
wtms	LPNInquiry	LPN Inquiry	VBCS-Mobile
wtms	LockUnlockLPN	Lock Unlock LPNs	VBCS-Mobile
wtms	OrderPicking	Order Picking	VBCS-Mobile
wtms	ReceiveLPN	Receive LPN	VBCS-Mobile
wtms	ShipOBLPN	Ship OBLPN	VBCS-Mobile

- e. Select a Module (Example: **Ship OBLPN**) and click "**Screens**" button. Then, click the "+" icon to create a new screen for the module.

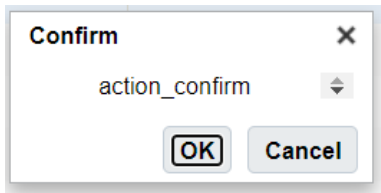
The screenshot shows the 'Screens' configuration interface for the 'Ship OBLPN' module. On the left, there is a table of existing screens. On the right, there is a form to create a new screen.

Module	Screen Name	Nbr of Parameters
VBCS-Mobile: Ship OBLPN	SK VBCS: Ship OBLPN	0
VBCS-Mobile: Ship OBLPN	Mobile Ship Outbound LPN	0
VBCS-Mobile: Ship OBLPN	VBCS: Ship OBLPN	0
VBCS-Mobile: Ship OBLPN	Ship OBLPN	0

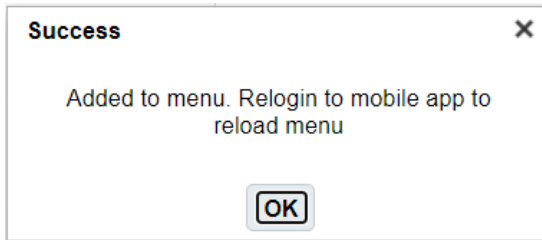
On the right, the 'Screen Name' field is set to 'Ship OBLPN'.

- f. Click "**Add to Current Group Menu**" to add the created screen to group menu.

- g. Click **OK** to confirm the action.



- h. After adding the screen successfully, the system displays the following pop-up window. Click **OK**.



4 Environment Setup

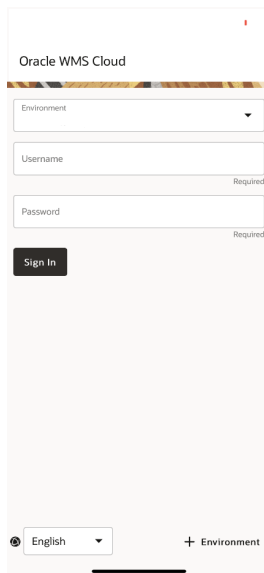
You need to setup the at least one environment before you begin to login and use the application.

Note: You will need to know the full URL of the WMS Cloud service that has been assigned to you.

To configure, follow the steps below:

1. Launch the application you downloaded.

Note: When you first open the application, you will need to review and accept the End User License Agreement before using it.



2. Tap the **+Environment** icon to add a new environment.
3. Enter the following parameter:
 - a. **Environment Name:** Add a name which can be anything the user prefers.
 - b. **Instance:** Enter the instance name which is the initial part of the domain name of the URL.
 - c. **Environment Code:** The environment code: the last part of the URL.

The instance and environment code can be collected from the the instance URL provided in Welcome Letter. For example. "abc.wms.ocs.oraclecloud.com/ENV_TEST/index/". Here, Instance -- ABC and Environment Code -- ENV_TEST

4. Tap the icon on the bottom right of the screen.



5. To add additional environment, click the + icon to add more than one environment.
6. Now, the application will display the list of environments.

Note: The mobile app will select the first environment by default and can be changed from the drop down.

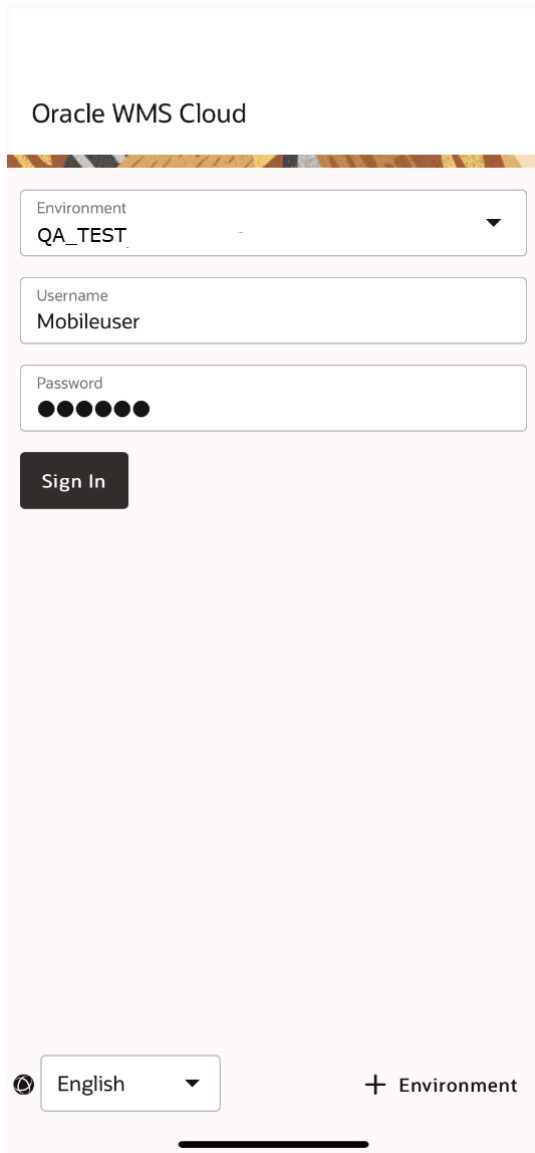
7. You can either scan the QR Code to fetch the environments details and login credentials.

- To scan the QR code from Web UI.
- Login to your latest Oracle WMS Cloud > go to **About** section > scan the QR code.



- The QR Code fetches the environment and login details.
- Tap the right icon at the bottom right of the screen to save the settings.

8. Enter user credentials to sign in.



The screenshot shows the Oracle WMS Cloud mobile app login interface. At the top, the text "Oracle WMS Cloud" is displayed. Below this is a decorative horizontal bar with a pattern of orange, yellow, and brown. The main login area contains three input fields: "Environment" with a dropdown menu showing "QA_TEST", "Username" with the text "Mobileuser", and "Password" with seven black dots. A dark grey "Sign In" button is positioned below the password field. At the bottom of the screen, there is a language selector showing "English" with a dropdown arrow, and a "+ Environment" button. A black horizontal line is visible at the very bottom of the screen, likely representing the mobile home indicator bar.

9. Tap **Sign In**.

5 Module Tour in Mobile App

After successful login, the mobile application will display list of screens added to the user's default group.



The application displays following module in the order you add the screens from the UI:

- Create IBLPN
- Lock Unclock LPNs
- Item Inquiry
- LPN Inquiry
- Order Picking
- Receive LPN
- Ship OBLPN

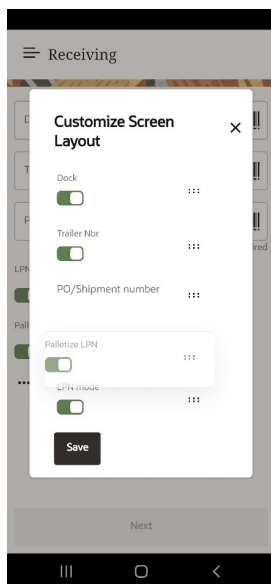
Note:

- To change the facility and company, tap the hamburger icon on the top left pane icon and choose from the eligible list displayed under the drop-down.
- Select a screen and provide the required details to proceed further (Example:CreateLPN).
- You can also scan the barcode with the camera or type the LPN number. Similar steps for Location, Item etc.

Customize the Layout Screen You can customize the layout of the fields using the gearbox (...) available on the screen. For example,

1. From any screen > tap the gearbox (...). The **Customized Screen Layout** opens.
2. On enabling the fields that you want to be displayed on the screen. On disabling the fields, the fields are not displayed on the screen.
3. You can also shuffle and order the fields of your choice, hold and drag the field to place the order.

For example, the below displays the customize screen layout for Receiving module where you can design the layout by enabling/disabling the field and shuffle the fields per your need.

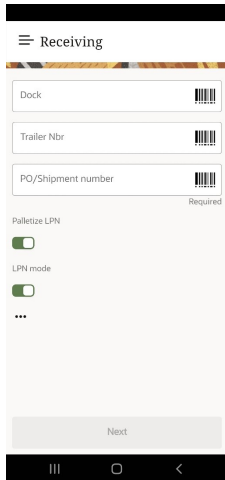


4. Click **Save**. The order reflects on the Receiving screen.

Receiving

This section describes the Receiving transaction module.

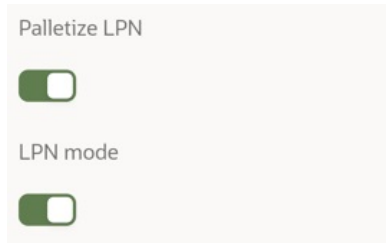
Login to your Mobile App > tap the **Receiving** module. The **Receiving** screen appears.



Fields	Description
PO/Shipment number (Required)	Accepts PO or Shipment Number. If PO has multiple shipments available, then a pop-up window is displayed with list of possible values.
Dock	Accepts the Location barcode or dock number.
Trailer Nbr	Accepts the Trailer number.
Palletize LPN	Enabled, by default. Accepts the pallet number of the LPN and the pallet screen appears. If the toggle is off, the respective receiving mode appears.
LPN Mode	Enabled, by default. Receives LPN and prompts you to enter the content for the LPN. If the toggle off, the receiving mode is switched to SKU mode receiving. An advantage of SKU mode is you can receive multiple LPNs that have the same content.
...	Allows you to customizes the Receiving screen layout.
Next	Click to proceed with further screen.

The **Receiving** screen has two toggle buttons that are enabled by default:

- **Palletize LPN:** When this toggle is enabled, you are prompted to scan a pallet in the next screen.
- **LPN Mode:** If LPN mode toggle is enabled, you are prompted to scan a LPN and then the SKUs or inventory that belong to the LPN. If this toggle is disabled, you will be receiving using SKU mode.



The following shows the flow for Receiving shipment in Palletize mode:

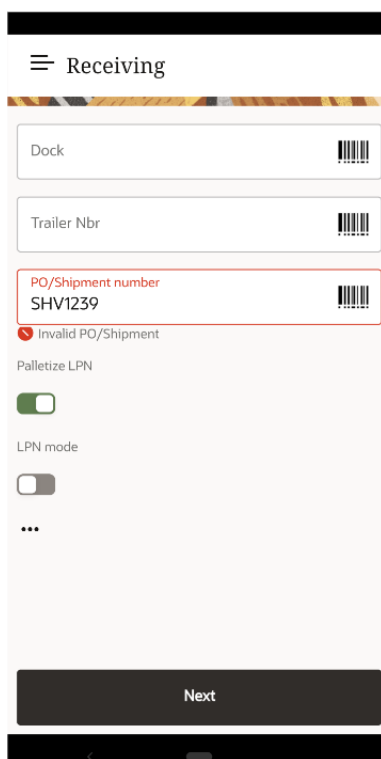
1. Enter/scan the dock number or trailer number.

Note: If you scan a dock number and an appointment is checked-in, the system will auto-populate the Trailer Number and PO/Shipment number fields.

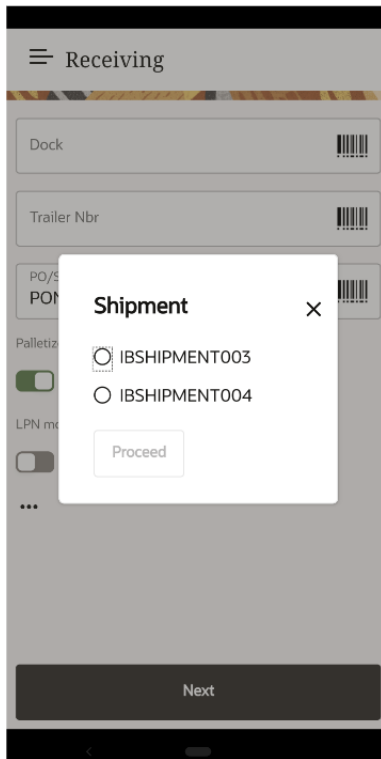
2. Enter the **PO/Shipment number**.

In order to find if the entered number is a PO or Shipment Number, the system will first look at the PO table and search for a matching number whose status is < than Received. Else, it will look into the Shipment table and search for a matching number whose status is < than Receiving Complete.

- a. If an invalid PO or Shipment number is entered, the system displays an Invalid PO/Shipment error message. For example,

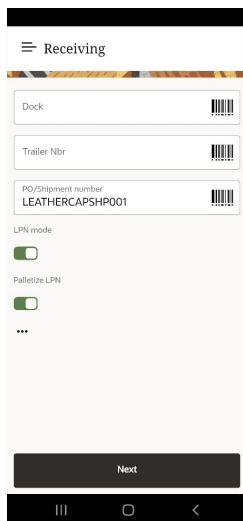


- b. If a value is available in the PO table, and the PO is related to multiple shipments, then a pop-up is displayed for you to provide with the Shipments linked to the PO. It will only show Shipments that are in status less than receiving completed. On selecting the shipment value, the system will start the receiving process for this IB Shipment.



LPN Mode Receiving

1. If **Palletize LPN** toggle and **LPN Mode** toggle is enabled. The system prompts for the pallet number in the next screen.



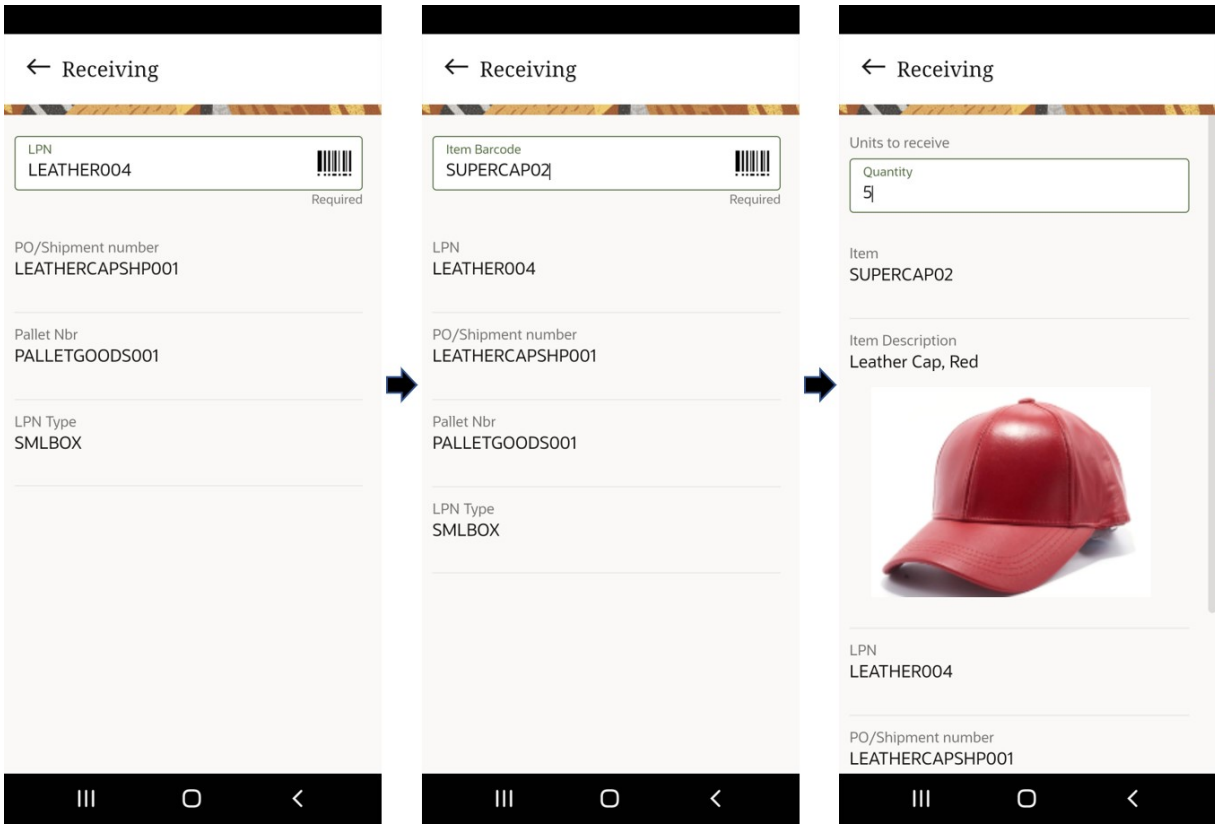
2. Click **Next**.
3. Enter the Pallet number in the **Pallet Nbr** field.
4. Select the type from the list of values in the **LPN type** drop-down field.
5. Choose the **Pallet contains** type:
 - a. **Single item LPN**: Supports receiving of single item LPNs.

- i. Click **Next**.
- ii. Enter the LPN number in the **LPN** field > Enter the item Barcode in the **Item Barcode** field > Enter the quantity in the **Units to receive > Quantity** field.

After successful receiving, the summary screen is displayed with the following options:

Options	Description
Save all and end trailer	Saves all the records, ends the trailer, and the app routes you back to the main Receiving screen to scan a new shipment.
Save all and add new pallet	Saves all the LPN records and ends the current pallet. You can use this option to add the remaining SKU from the same shipment but on a new Pallet. The screen flow returns back to Pallet screen where you scan a new pallet number. Note: Enter a different LPN number for the new pallet.
Save LPN and add another	Save the current LPN and add the same or different SKU from the same pallet but on a different LPN. The screen flow returns back to the LPN screen where you can scan a new LPN for the same pallet.

- b. **Multi item LPN:** Supports receiving of multi- item LPNs.
- i. Select the Multi-item LPN button and click **Next**.
 - ii. Enter the LPN number in the **LPN** field > Enter the item Barcode in the **Item Barcode** field > Enter the quantity in the **Units to receive > Quantity** field.



After successful receiving, the summary screen is displayed with the following options:

Options	Description
Save all and end trailer	Saves all the records, ends the trailer, and the app routes you back to the main Receiving screen to scan a new shipment.
Save all and add new pallet	Saves all the LPN records and ends the current pallet. You can use this option to add the remaining SKU from the same shipment but on a new Pallet. The screen flow returns back to Pallet screen where you scan a new pallet number. Note: Enter a different LPN number for the new pallet.
Save LPN and add another	Save the current LPN and add the same or different SKU from the same pallet but on a different LPN. The screen flow returns back to the LPN screen where you can scan a new LPN for the same pallet.
Add new item	This option is visible only if you receive multiple items by selecting Multi-item LPNs radio button Pallet screen. On tapping this option, the application takes you back to scanning the item barcode screen.

SKU Mode Receiving

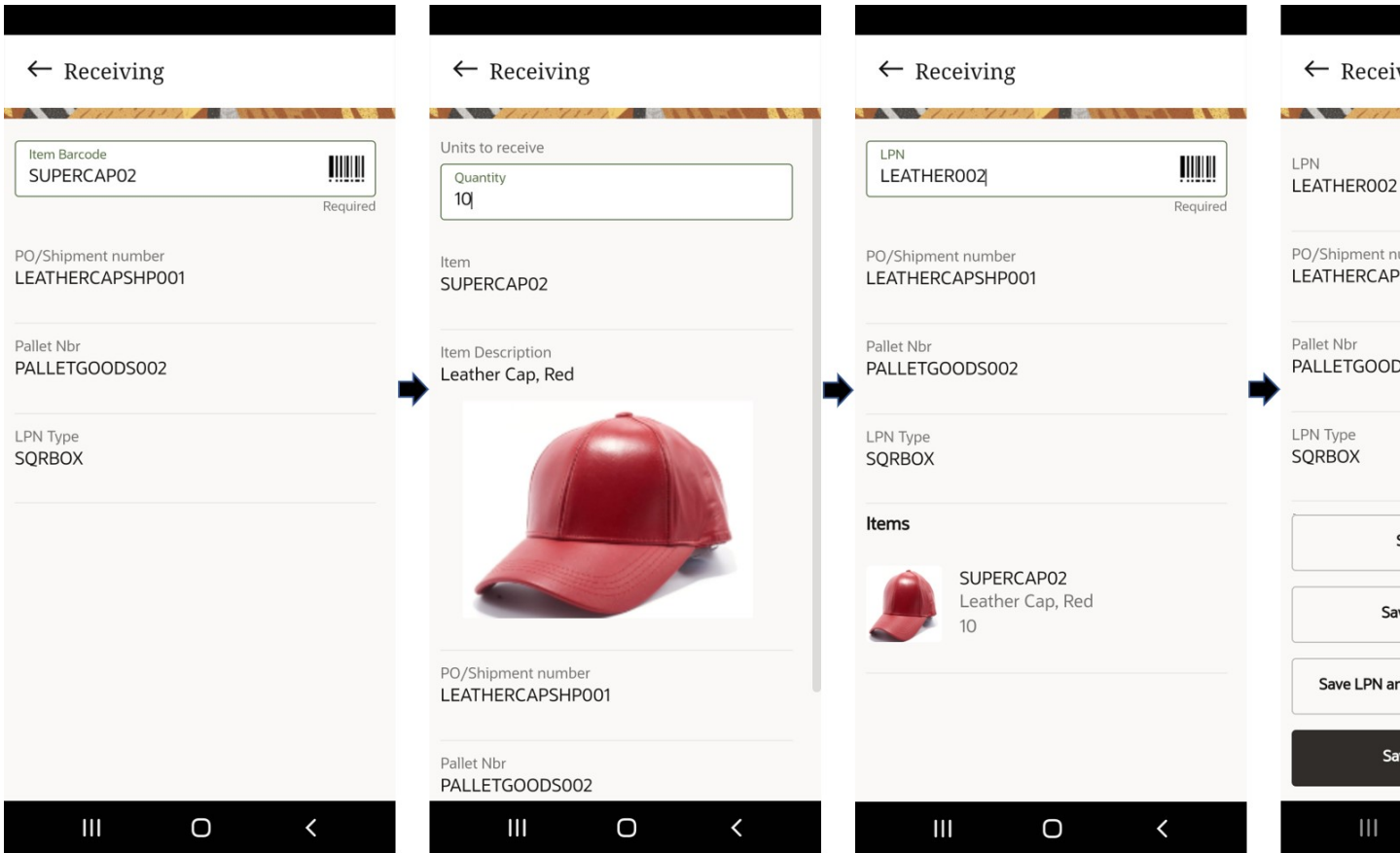
This is a great mode if you receive LPNs that contain the same inventory multiple times. In this mode, you are prompted to first scan the SKU, quantity, and then the LPN number. You can continue to scan the LPN at once, unless you need to change another set of inventory or LPN containing different SKU.

The following shows the flow for receive a shipment in SKU mode:

1. From the **Receiving** screen, enter the **PO/Shipment number**.
2. If **Palletize LPN** toggle = enabled and **LPN Mode** = disabled. The system prompts for the pallet number in the next screen.

3. Click **Next**.

4. Enter the pallet number in the **Pallet Nbr** field > choose the pallet contains > Click **Next**.
5. Enter the item Barcode in the **Item Barcode** field > Enter the quantity in **Units to receive** > **Quantity** field > Enter the LPN number in the **LPN** field.



After successful receiving, the summary screen is displayed with the following four options:

Options	Description
Save all and end trailer	Saves all the records, ends the trailer, and the app routes you back to the main Receiving screen to scan a new shipment
Save all and add new pallet	Saves all the LPN records and ends the current pallet. You can use this option to add the remaining SKU from the same shipment but on a new Pallet. The screen flow returns back to Pallet screen where you scan a new pallet number. Note: Enter a different LPN number for the new pallet
Save LPN and add another with different item	Saves the records and prompts you to scan another item barcode from the same shipment, quantity, and LPN. This screen flow returns back to Item Barcode screen.

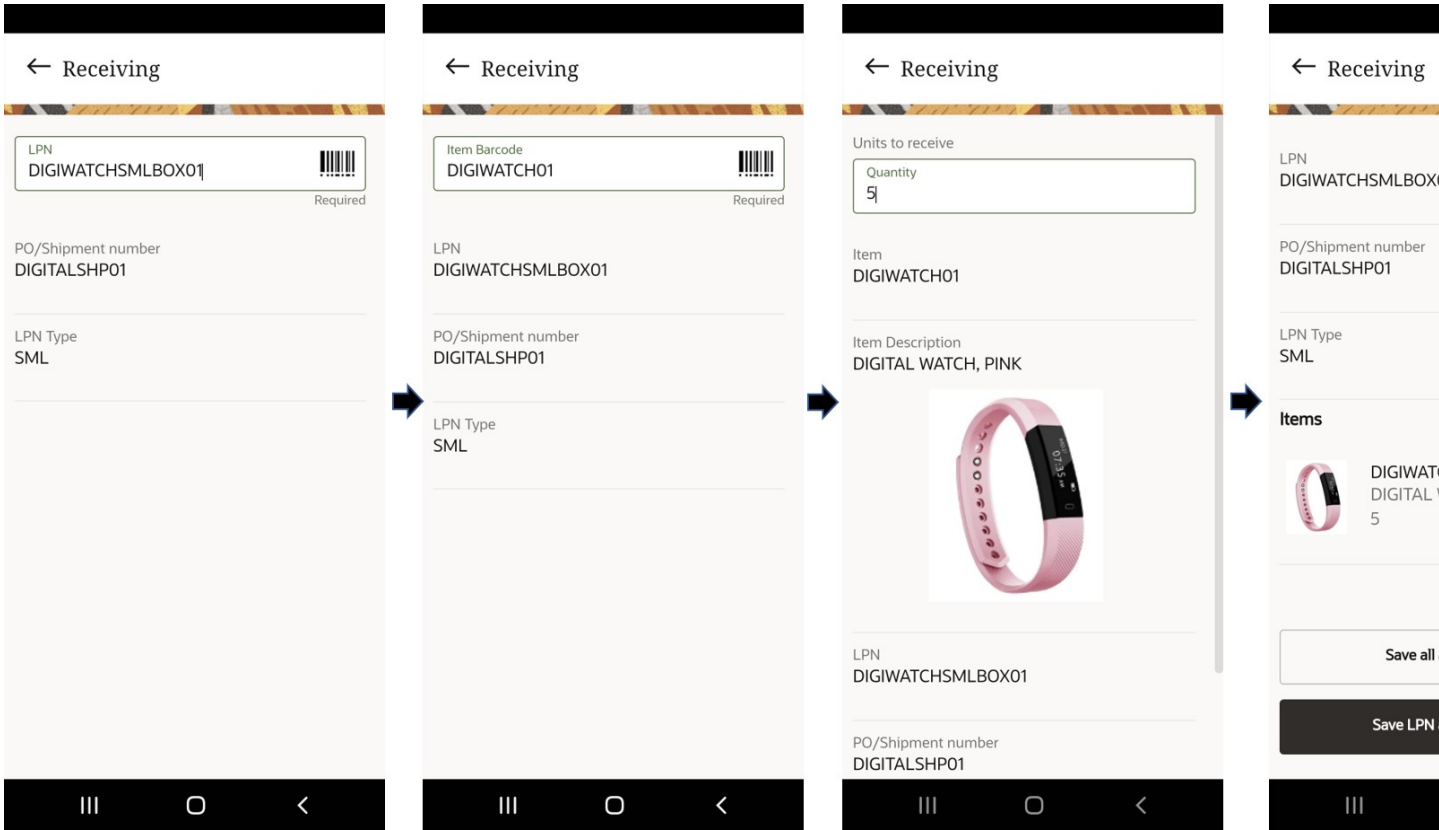
Options	Description
Save LPN and add another	Save the current LPN and add the same or different SKU from the same pallet but on a different LPN. The screen flow returns back to the LPN screen where you can scan a new LPN for the same pallet.

Receiving LPN or SKU without Palletize mode

The following depicts the flow of receiving for a non-palletized shipment:

1. From the **Receiving** screen, enter the **PO/Shipment number**. If **Palletize LPN** = disabled and **LPN Mode** = disabled/enabled, the application prompts you to LPN type screen.

2. Click **Next**.
3. Choose the LPN type from the list of available LPN type description > Click **Save**.
4. Enter the LPN number in the **LPN** field > Enter the item barcode from the **Item Barcode** field > Enter the quantity in the **Units to receive** > **Quantity** field.



After successful receiving, the summary screen is displayed with following options:

Options	Description
Save all and end trailer	Saves all the records, ends the trailer, and the app routes you back to the main Receiving screen to scan a new shipment
Save LPN and add another	Save the current LPN and add the same or different SKU from the same pallet but on a different LPN. The screen flow returns back to the LPN screen where you can scan a new LPN for the same pallet.

