



Freibier POS

Server Configuration

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1. Introduction

The Freibier POS app is intended to help you interact with iDempiere more quickly and efficiently. After installing the app, you will be able to:

- Taking customer's orders
- Create sales orders in iDempiere ERP
- See daily reports (Daily cash)
- Print customer's orders in the kitchen or bar.

To be able to use it, you need an android device with Sdk Version 21 (Android 5.0) or above.

2. Data configuration in iDempiere

Prior to using the Freibier POS app, please be sure that you have successfully configured the data in iDempiere. The app will take all the data from the server, therefore, if the data does not exist, no user will be able to log in. Log in iDempiere as admin and configure the following data:

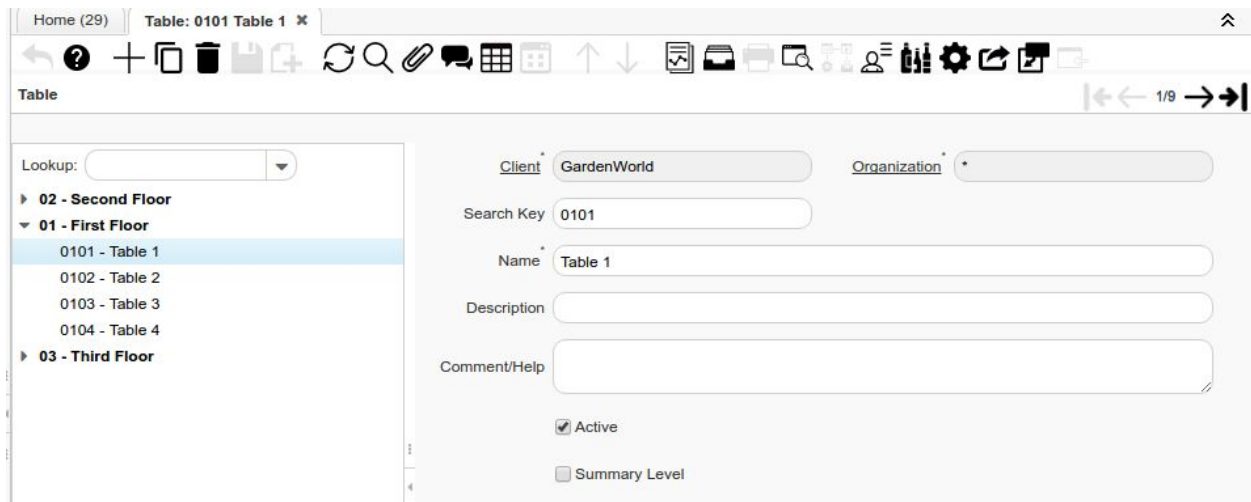
2.1. Tables

The tables represent the physical spaces where the customers will sit (or it can represent each cash register). You can configure table groups and tables belonging to those groups. A table group can be something like: "First floor" and its tables would be: all the tables that are in the first floor. You can have one or multiple table groups.

To create the tables and table groups open the 'Table' window in iDempiere and insert the new records. The tables groups must have a search key with 2 digits and the 'summary level' flag must be checked, and its tables must start with the same 2 digits.

Example. 01 First Floor

0101 Table 1
0102 Table 2



2.2. Products

Usually, the main purpose of a normal business is to sell, and the main purpose of the app is to help you do that. Thus, it is important to configure the products that you want to sell through the app. In the app the products are displayed in categories - different tabs for different categories. Create the product categories in iDempiere ('Product Category' window), and check the 'Self-Service' flag to indicate that the category will be used in the app.

Once you have your product categories, create the corresponding products ('Product' window) and check the 'Self-Service' and "Sold" flag also. Set the prices for those products in the price list you will use in the POS.

To be able to show the full price in the app, check the 'included tax' flag on the price list. Otherwise, the amounts will be different in the app and iDempiere

2.2.1. Product price

Depending on how you configure the product price, the POS will behave differently. The cost of each product shown in the POS will be the one set as standard price in iDempiere. Follow these simple rules:

- If you want to be able to give a product as **complementary**: the limit price of this product must be 0.
- To have a special product that when selected **asks for the price**, (for example when you sell beef by weight): set the Standard price to 0 and the limit price different to 0, the limit price will define the lowest price that the user can enter.
- A free product is a product with a limit price and standard price value of 0.
- Any normal product can be configured normally.

2.3. POS data

The app needs to communicate with iDempiere to know which info should be displayed. Go to the 'POS Terminal' window, and create a record that defines your POS preferences. The Price List you choose in this record must be the same one that you used to set the product prices. The warehouse is used to create the sales orders in iDempiere when you complete them in the app. The business partners configured here work as follow:

- Template B. Partner: defines the walk-in customer. Customer that order to dine-in.
- Template To Go B. Partner: defines the customer that orders to go, or delivery.

The different business partners are meant for tax calculations, please configure them properly with the corresponding tax and tax categories.

The following fields are **mandatory** for the POS to work: Sales Representative, Bank Account, Price List, Warehouse, template B. Partner, template To Go B. Partner (it can be the same as the template one), Document Type.

Be sure that there's only one active record per organization in this window to avoid data errors.

2.4. POS settings configuration

In the POS Terminal window you can also configure some properties that will define the behaviour of the app.

- Print order after sending: this checkbox defines the behaviour of the app after the order is sent. When checked, if there's an output device configured, the order will be automatically sent to it. If it is unchecked, the user must do it manually with the print order button.
- Combine Receipt items: when this checkbox is marked, the products that were ordered more than once will be printed in a single line with its quantity next to it, otherwise, every product will hold a single line.
- Guest Dialog: this flag defines if a dialog asking for the number of guests must be shown when a table is selected.
- Separate order items: if the options is selected, every item will be in single lines in the ordering screen. When N, items will summarize in a single line.
- PIN: if you as an administrator want to set up that when an item, that has already been ordered and processed, wants to be voided (see void items in section 5.3.3), a confirmation PIN is required. If the field is empty, users will be able to void items without approval - ***a reason must be introduced always when voiding an item.***

Name*	Android POS		
Description			
Comment/Help			
<input checked="" type="checkbox"/> Active			
Representative*	GardenAdmin	<input type="checkbox"/> Modify Price	
Price List*	Standard	Bank Account	HQ POS Cash_POS Cash_POS Cash
Warehouse*	HQ Warehouse	Template B,Partner	Joe Block
Document Type	POS Order	Template To Go B,Partner	Joe Block
OS Key Layout		Auto Logout Delay	0
Keyboard layout		On Screen Number Pad layout	
Printer Name		CashDrawer	superuser @ idempiere.com
		PIN	*****
<input type="checkbox"/> Combine Receipt items		<input type="checkbox"/> Guest Dialog	
<input checked="" type="checkbox"/> Print order after sending		<input checked="" type="checkbox"/> Separate order items	
Surcharge		Discount	

2.5. Printer configuration

The app is able to print the tickets for the kitchen, the bar and the receipts. The printers must be configured in iDempiere to allow the app to print properly. Go to the window Bx POS -> POS Output Device, to enter the necessary data. The main fields in this windows are:

- **Output Target:** defines the target that will be printed, the values can be: Kitchen, bar, receipt.
- **Device Type:** defines the type of device that will be used to output the info. It can be: printer and display¹. Depending on the device selected, other fields are shown. In case you select the printer device (by default), other fields must be filled:
 - **Printer Name:** name of the printer that will be used. This field is mandatory because it is the way that the app will find the printer.
 - **Connection Type:** is the printer connected via bluetooth or wifi.²
 - **Printer Language:** programming language supported by the printer.
 - **Page Width:** printer page width.

¹ In version 1, the display is not supported. Although, it is shown here for future implementation.

² In version 1, only bluetooth has been implemented. Although, it is shown here for future implementation.

POS Output Device 1/2

Data requested

Client * GardenWorld Organization * *

Name * Receipt Printer

Description

Comment/Help

☒ Active

Output Target * Receipt Device Type * Printer

▼ Printer Settings

Printer Name * Zebra01 Connection Type * Bluetooth

Printer Language * CPCL Page Width 550

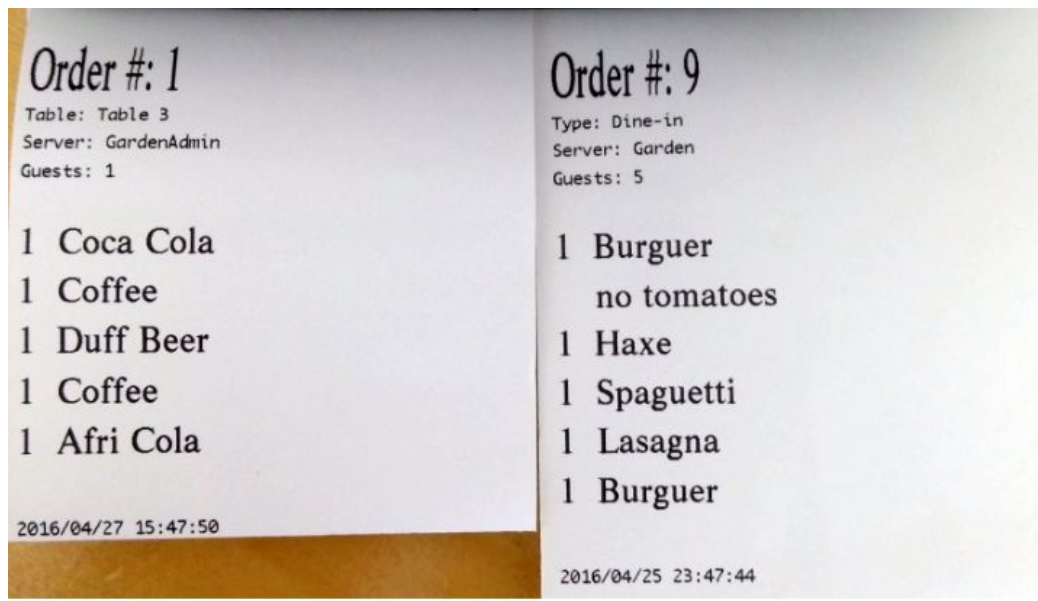
Once the printers are configured, the app will know which printer to find. If the target is receipt, the printer will print a receipt after the payment is complete.

If you want a special footer message in your receipts, write the message in the Document Note field in the Document Type records set in Pos Terminal.



2.2.1. Printing products

If you configured a printer to print the tickets in the kitchen and/or bar, further configuration is needed to tell the app which items belong to which printer. There are two ways of doing it, by product category or by product. Meaning that, you can configure all the products that belong to the product category 'Drinks' to be print in the bar printer, and all the products belonging to 'Meals' in the kitchen printer; but you can also specify it by product, selecting a printer for each product.



Home (29) Product: 10000010 Brownie Product Category: 10000001 ...

Product Category

Search Key 10000001

Name Meals

Description

☒ Active

Parent Product Category

Material Policy FiFo

☐ Default ☒ Self-Service

Planned Margin % 0.0

Asset Group

Print Color Black

POS Output Device Kitchen Test

If both fields are filled, the product printer will override the product category one, f.e: If you select that all the 'Desserts' are printed in the bar printer, but for the product 'Brownie' you select the kitchen printer. The brownie will be printed in the kitchen instead of the bar.

The screenshot shows the 'Product' configuration screen for 'Brownie' (Product ID: 10000010). The interface includes a top navigation bar with various icons and a toolbar. The main content area contains several input fields and checkboxes:

- Shelf Depth:** 0
- Units Per Pallet:** 0.00
- Bill of Materials:** ☐
- Purchased:** ☒
- Discontinued:** ☐
- Sold:** ☒
- Exclude Auto Delivery:** ☐
- Image URL:** (empty)
- Description URL:** (empty)
- Guarantee Days:** 0
- Min Guarantee Days:** 0
- Attribute Set:** (dropdown menu)
- Attribute Set Instance:** (barcode icon)
- Featured in Web Store:** ☐
- Self-Service:** ☒
- POS Output Device:** Kitchen Test (highlighted with a red box)
- Group1:** (empty)
- Group2:** (empty)

2.6. Discount and surcharge configuration

There is the possibility to apply a discount to an order, or to add a surcharge (e.g tip, reservation fee) in the app. If it is needed for the business that these charges are synchronize with iDempiere, the corresponding charges should be configured in the POS Terminal window. These values will be used when the order is created, and in case that a surcharge/discount is applied to the order in the app and have a value in this window, a new order line will be created in iDempiere with the charge and the selected amount.

If the values are left blank, the surcharges will not be reflected in iDempiere.

2.7. Notifications plugin

If you've installed the notifications plugin, you have access to the following functionality:

- Send an update request to the devices when you modify the data in iDempiere.
- Multiple device support. The table status is replicated to all the devices running the app. (When a table is occupied by one server, the other devices will show it as busy)

To send an update request to the devices, open the Update Request Notification process in iDempiere. You can select the type of notification: recommended or mandatory.

Once you click start, the update request will be sent to all the registered devices.

The request will be received by the devices with internet connection and manage it depending on the notification type and app status.

- Recommended request: if you select recommended as the notification type. The devices will get a message asking them to reload the data ([see Reload Data](#)).
- Mandatory request: if you select this notification type. The notification will be managed depending on the app status. If the app is active, the update will be performed in the background without disturbing the user. If the app is not active, a notification will be shown, and when the user clicks on it, the update will be performed automatically.

Home (63)

Update Request Notification

⌵

⌵

?

Push Notification

Push Notification for subscribed devices

Organization

HQ

▼

Notification Type

Recommended


▼


☐

Run as Job

Saved Parameters

▼





✓OK

✗Cancel