



POS Component

User Manual

Version: 1.0

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1. Introduction

This manual provides a comprehensive guide for businesses to register and integrate their Point-of-Sale (POS) systems with the Punjab Revenue Authority (PRA) in accordance with regulatory requirements. Compliance with these procedures is essential for accurate sales transaction reporting and invoicing under the PRA's electronic systems.

The document outlines the full process for registering POS systems on the PRA portal, including the submission of business and branch-specific information. It further details the integration of the POS system with the PRA Software Fiscal Device, enabling electronic invoicing and ensuring businesses meet all compliance standards.

In addition, the manual covers the installation and configuration of the POS component, the management of product catalogues, and the generation of invoices, all in line with PRA's specifications. It also provides instructions on managing system settings, uploading business logos, and handling connectivity alerts to ensure smooth operation.

2. Objective

The objective of this manual is to guide businesses in the registration, integration, and operation of their Point-of-Sale (POS) systems in strict accordance with the Punjab Revenue Authority (PRA) requirements. It aims to ensure that businesses are able to efficiently and accurately report sales transactions, generate fiscal invoices, and maintain compliance with PRA's regulatory framework.

This manual provides businesses with detailed instructions for completing the required registrations on the PRA portal, integrating their POS systems with the PRA Software Fiscal Device, and effectively managing transaction data. By following the outlined procedures, businesses will ensure the correct submission of sales information to PRA, enabling the automation of tax reporting and simplifying compliance with government regulations.

3. Scope of the Document

This document offers a comprehensive guide to the installation, configuration, and operation of the PRA Point-of-Sale (POS) Component. It includes detailed instructions to ensure proper setup, management, and synchronization with the PRA systems.

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Installing the POS System

- Detailed steps for downloading and setting up the POS system, ensuring it integrates with the PRA system.

Managing Sales Invoices

- Detailed procedures are provided for entering sales transactions and synchronizing invoices with the PRA’s Electronic Invoice Monitoring System (e-IMS), ensuring accurate and timely reporting of sales.

Synchronizing Product Information

- Guidelines for syncing product data from the cloud, maintaining an accurate catalogue, and managing product details.

Integrating with PRA Fiscal Devices

- Instructions for integrating the POS system with PRA’s fiscal device are included, covering both sandbox (testing) and live environments to ensure seamless functionality.

System Settings and Notifications

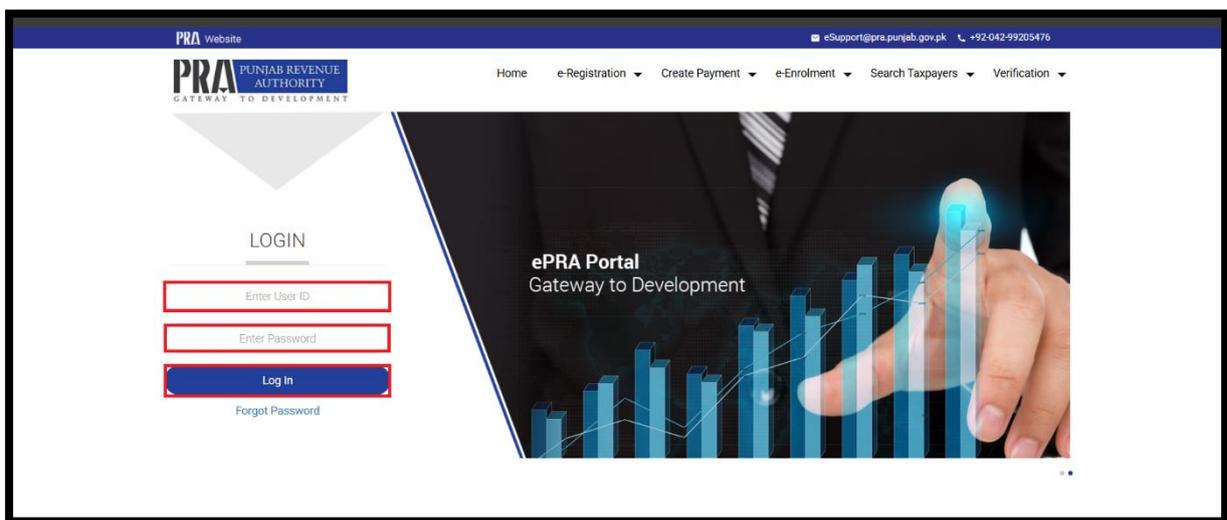
- Guidelines are provided for configuring the system’s settings, uploading branding elements (like logos), and setting up real-time alerts to ensure smooth operation and monitor the health of the system

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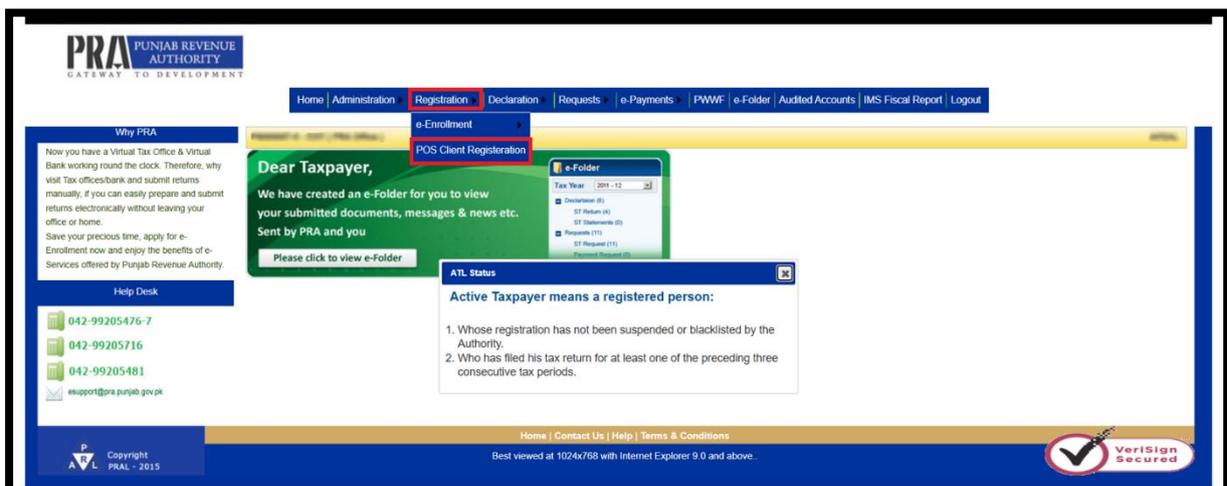
4. POS Registration

As part of regulatory requirements, all businesses must register the POS systems used at each branch through the PRA portal. This includes submitting complete and accurate branch-specific information to ensure proper record management.

- Navigate to <https://reg.pra.punjab.gov.pk/>
- Provide User ID & Password



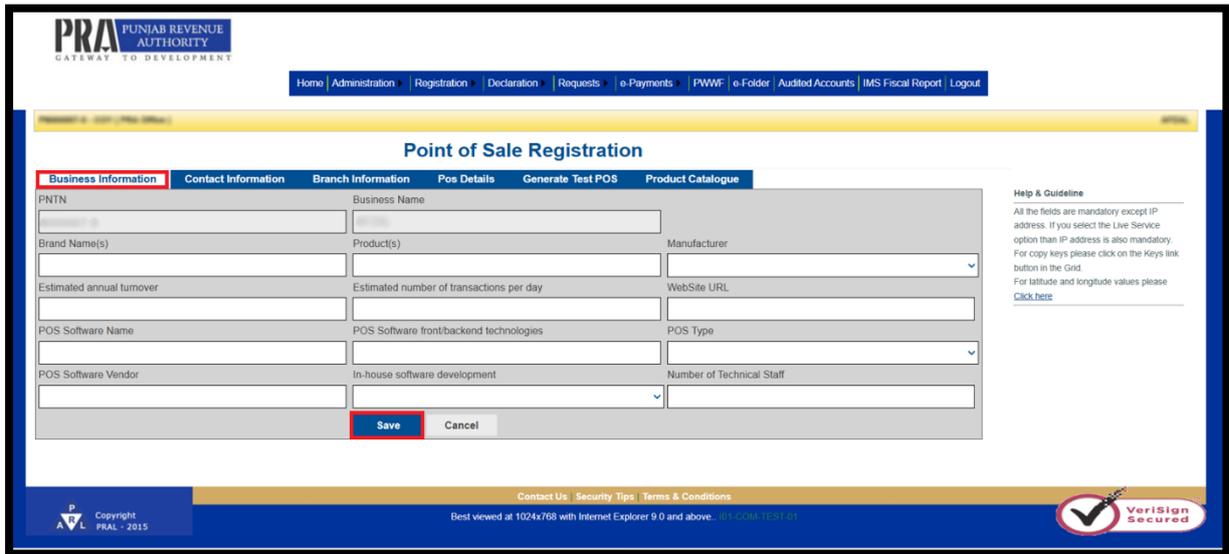
- Navigate to Registration tab
- Click on POS Client Registration



On the next screen, fill in all the mandatory details in each tab

4.1. Business Information

- Fill in all the mandatory details and Click on **Save** button



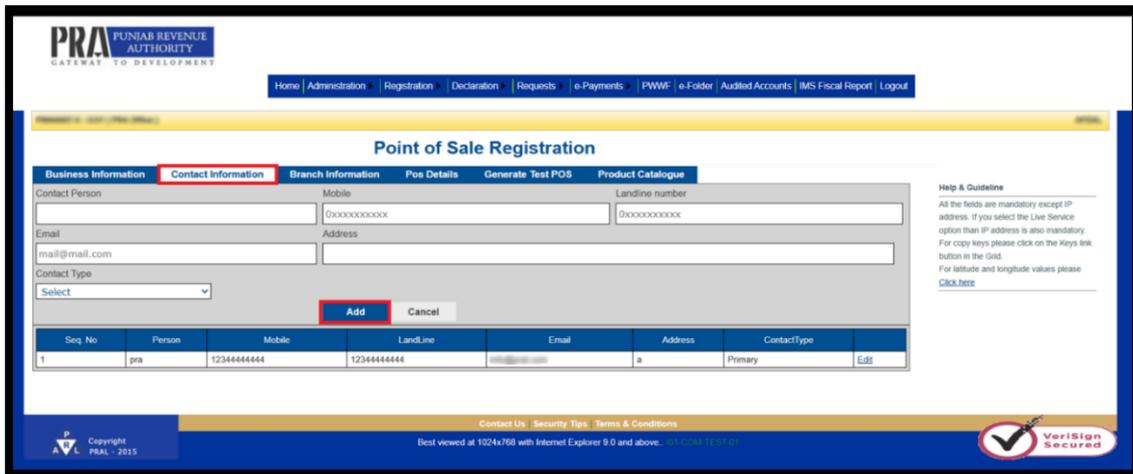
The following table outlines the data required to fill Business Information

Field	Mandatory	Details / Input Type
PNTN	System Generated	—
Business Name	System Generated	—
Brand Name	No	E.g., Outfitters
Products	No	Open field
Manufacturer	Yes	Yes / No
Estimated Annual Turnover	No	Open field (Numeric)
Estimated Number of Transactions per Day	No	Open field (Numeric)
Website URL	No	Open field
POS Software Name	No	Open field
POS Software Front/Back End Technologies	No	Open field
POS Type	Yes	Cloud Based / Client Server
POS Software Vendor	No	Open field
In-House Software Development	Yes	Yes / No
Number of Technical Staff	No	Open field (Numeric)

4.2. Contact Information

- Fill out the required fields and click on Add button.

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The screenshot shows the 'Point of Sale Registration' interface with the 'Contact Information' tab selected. The form includes fields for Contact Person, Mobile, Landline number, Email, Address, and Contact Type. A table below the form displays the current data:

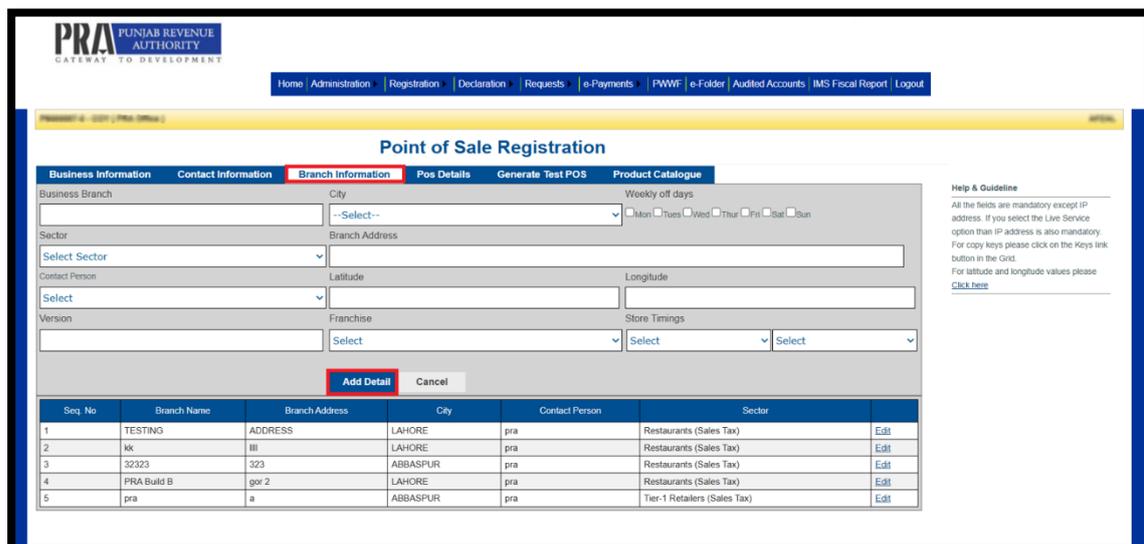
Seq No	Person	Mobile	LandLine	Email	Address	ContactType	
1	pra	1234444444	1234444444	pr@pral.com	a	Primary	Edit

The table below lists the information required to complete the Contact Information section.

Field Name	Mandatory	Field Information
Contact Person	Yes	Contact Person Name
Mobile	Yes	Open field
Landline Number	No	Open field
Email	Yes	Open field
Address	Yes	Open field
Contact Type	Yes	General / Technical

4.3. Branch Information

- Select **Add Detail**, once the required details are filled in.



The screenshot shows the 'Point of Sale Registration' interface with the 'Branch Information' tab selected. The form includes fields for Business Branch, City, Sector, Branch Address, Contact Person, Latitude, Longitude, Version, Franchise, and Store Timings. A table below the form displays the current data:

Seq No	Branch Name	Branch Address	City	Contact Person	Sector	
1	TESTING	ADDRESS	LAHORE	pra	Restaurants (Sales Tax)	Edit
2	kk	lll	LAHORE	pra	Restaurants (Sales Tax)	Edit
3	32323	323	ABBASPUR	pra	Restaurants (Sales Tax)	Edit
4	PRA Build B	gor 2	LAHORE	pra	Restaurants (Sales Tax)	Edit
5	pra	a	ABBASPUR	pra	Tier-1 Retailers (Sales Tax)	Edit

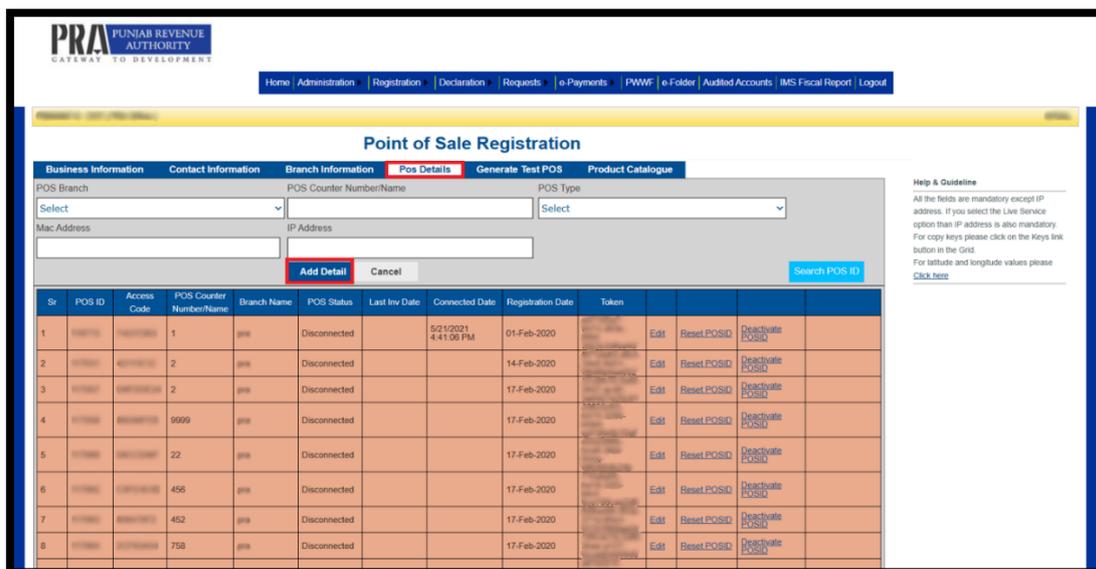
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The table below presents the basic requirements for Branch Information

Field Name	Mandatory	Field Information
Business Branch	Yes	Branch Name
City	Yes	Branch City
Sector	Yes	Restaurants, Hotel, Courier, Beauty Parlor
Branch Address	Yes	Location of branch
Contact Person	Yes	Select information entered in Contact Details tab
Latitude	No	From Google Map
Longitude	No	From Google Map
Version	No	POS Software Version
Franchise	Yes	Select option Yes or No
Store Timings	No	Operational hours of outlet
Week of Days	No	Number of days the outlet is open

4.4. POS Details

- Complete all required fields and select **Add Detail**.



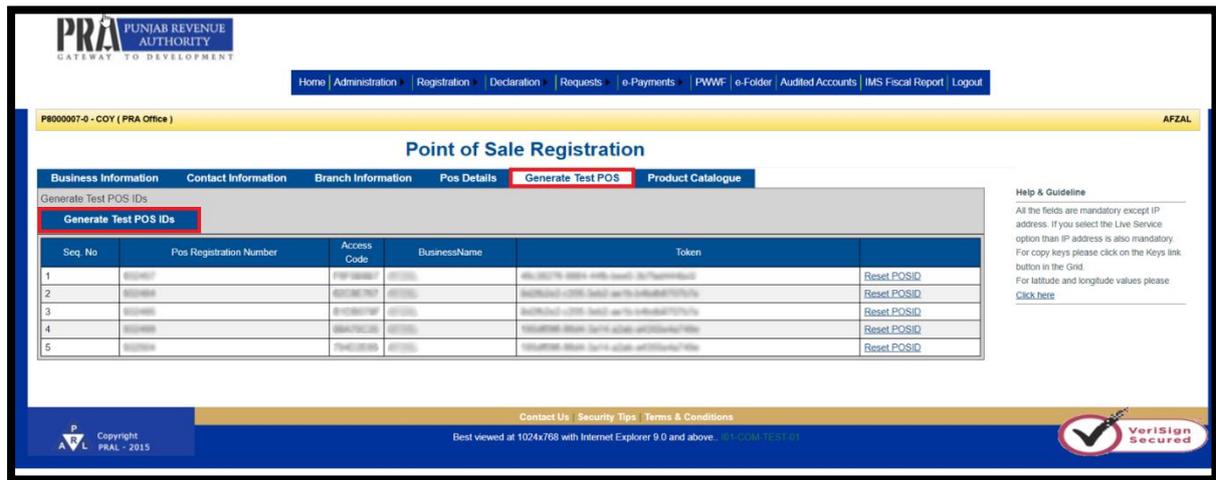
The table below provides the information needed to complete the POS details.

Field Name	Mandatory	Field Information
POS Branch	Yes	Select branch added from Branches Tab
POS Counter Number/Name	Yes	The counter number/name identification of POS System (Unique)
POS Type	Yes	Select from list of Types (Mostly Primary for daily-used POS PC)
MAC Address	Yes	MAC Address of the POS System
IP Address	Yes	IP Address associated with the POS System

4.5. Generate Test POS

Generate test PRA POS IDs and perform IMS component integration with the POS system for pre-production.

- Click on Generate POS IDs button.



The screenshot shows the 'Point of Sale Registration' interface. The 'Generate Test POS IDs' button is highlighted in red. Below it is a table with 5 rows of test data, each with a 'Reset POSID' link.

Seq. No	Pos Registration Number	Access Code	BusinessName	Token	
1	12345678	12345678	12345678	12345678	Reset POSID
2	12345678	12345678	12345678	12345678	Reset POSID
3	12345678	12345678	12345678	12345678	Reset POSID
4	12345678	12345678	12345678	12345678	Reset POSID
5	12345678	12345678	12345678	12345678	Reset POSID

5. POS Component

The POS Component for the Punjab Revenue Authority is the part of its electronic tax system that connects a business's Point-of-Sale (POS) machine or software directly to the PRA's Electronic Invoice Monitoring System (e-IMS). This connection allows every sale and invoice issued at the business to be automatically reported to the PRA in real time.

This module can be used only by POS clients that are properly registered with PRA. Registered POS clients are responsible for managing sales transactions and submitting the corresponding invoice data to PRA. To protect the system, PRA enforces authorization measures that prevent access by unauthorized POS clients.

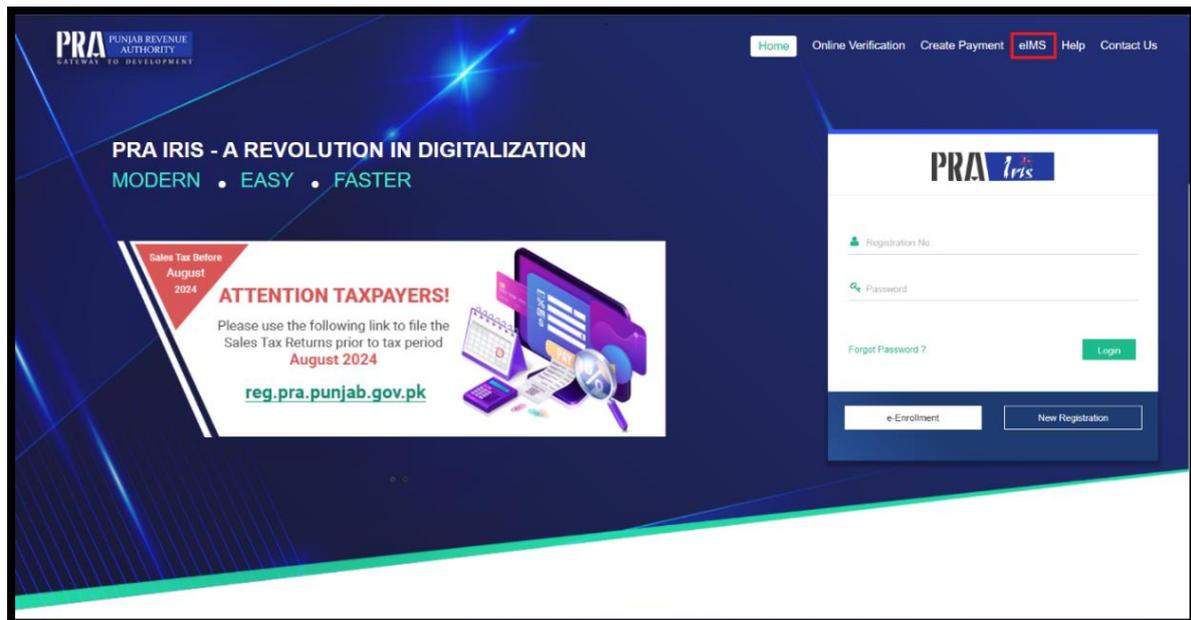
The software module includes two environments to support taxpayers:

1. Sandbox (For Testing)
2. Production (For live transaction processing)

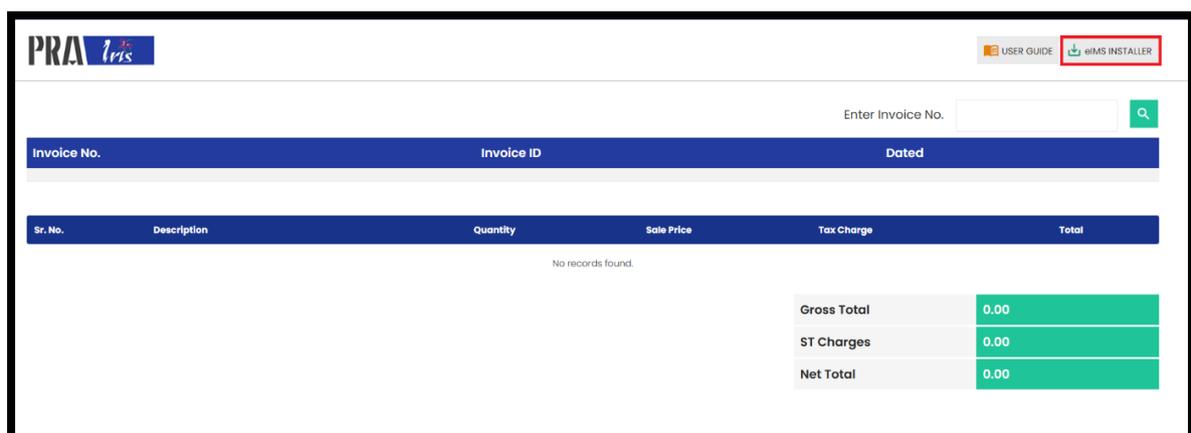
To integrate a taxpayer's POS system with the PRA Software Fiscal Device, the following steps must be completed:

5.1. Component Installation

- Navigate to <https://e.pra.punjab.gov.pk>
- Click on eIMS



- Click on eIMS installer



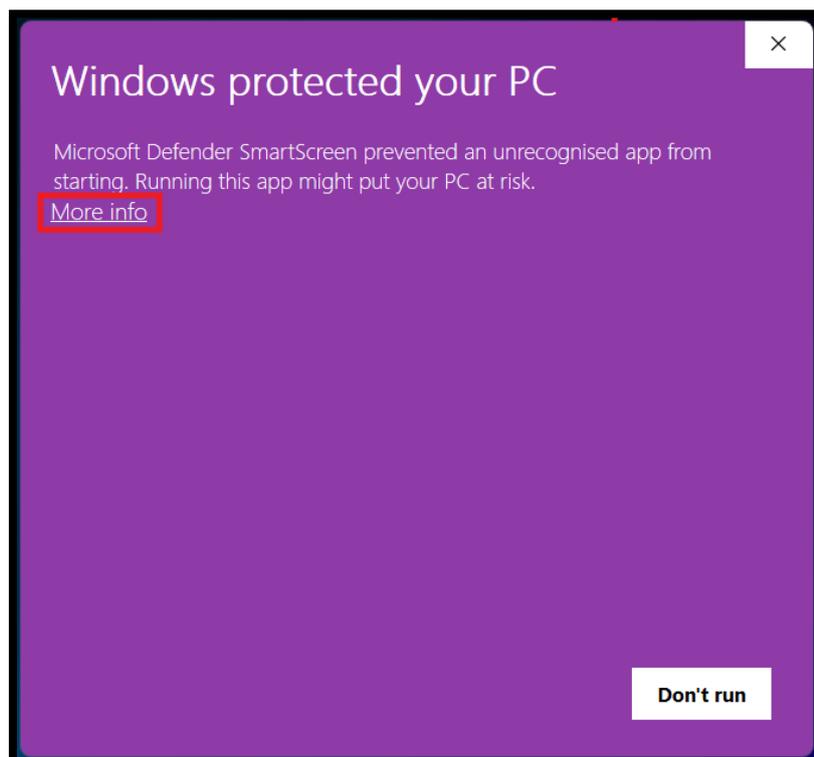
- Locate the downloaded setup file/installer
- Double Click to initiate the installation

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Microsoft Defender SmartScreen warning message will appear on the screen to indicate potential risks.

- Click on **More info**



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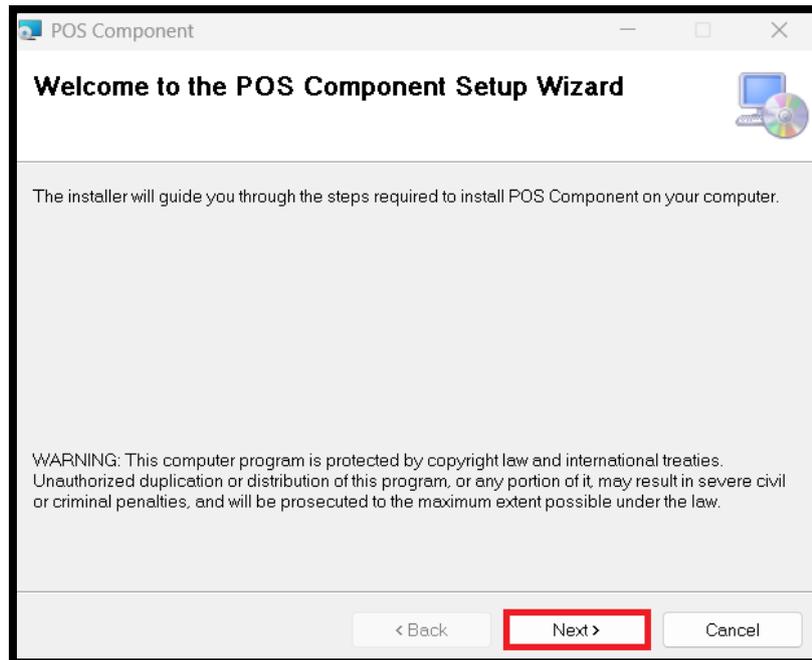
- Click on **Run anyway**



The Installation wizard will appear on the screen

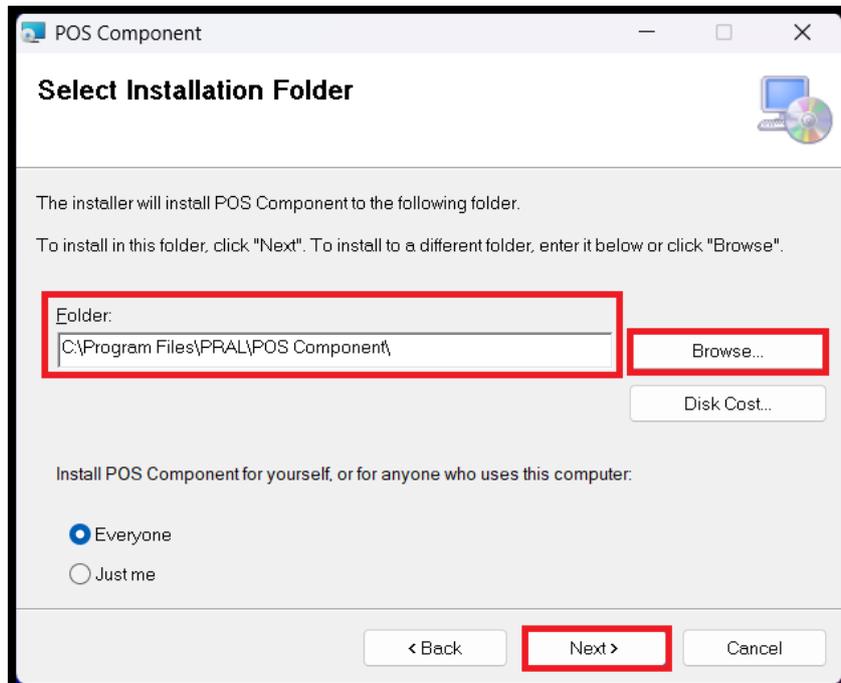
- Click on **Next** Button

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The next prompt screen will display the default path to install the POS Component

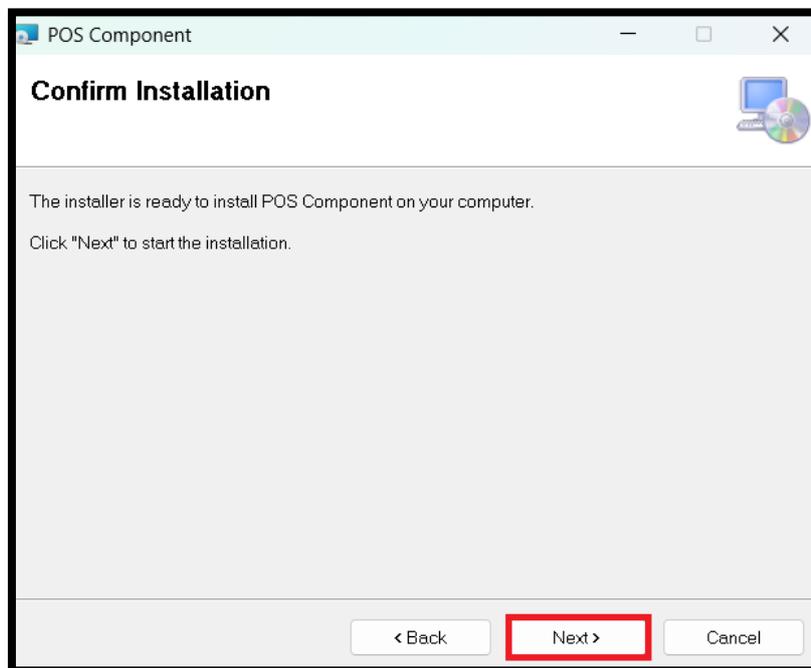
- Click **Browse** to choose a different folder for installing the component.
- Click on **Next** to proceed



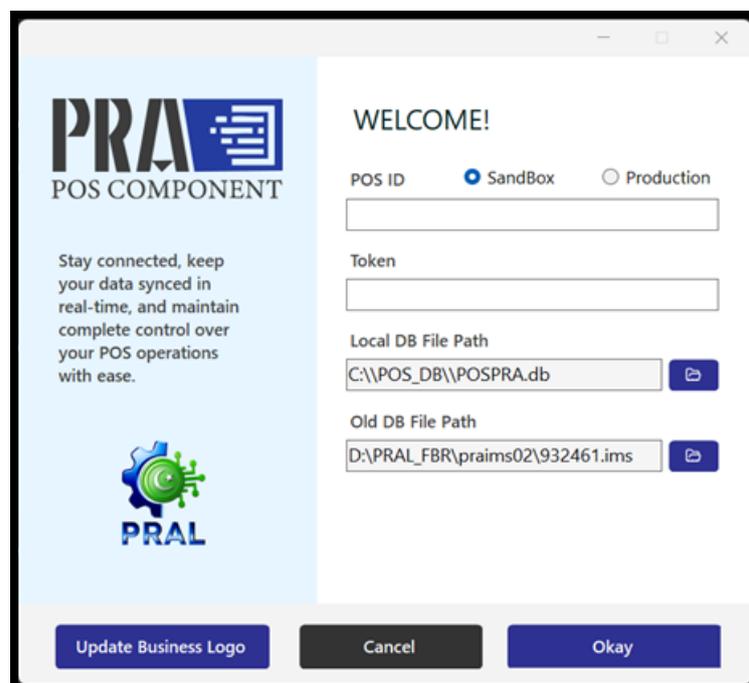
The confirmation message will appear on the screen

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- Click on **Next** button to start the installation



The next screen will prompt for credentials to proceed with the installation. Sandbox & Production requires different credentials.

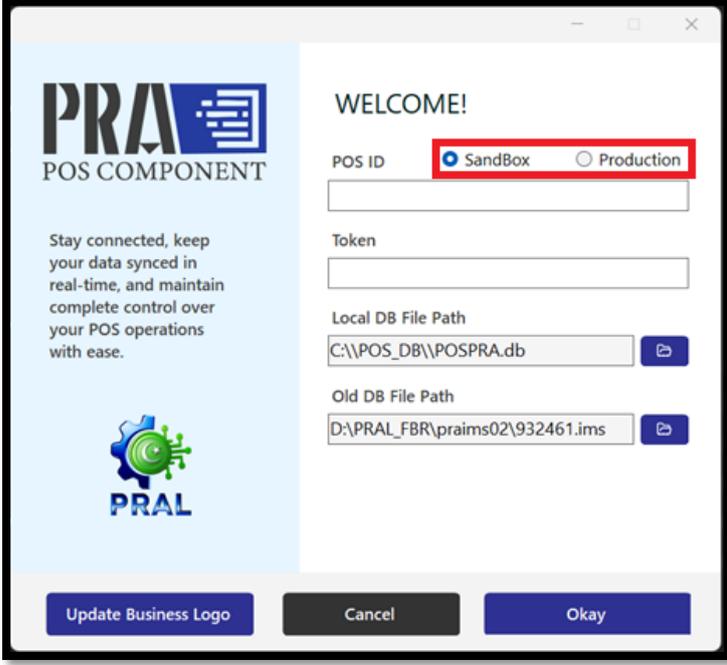


- Select **SandBox** to run the component in the test environment

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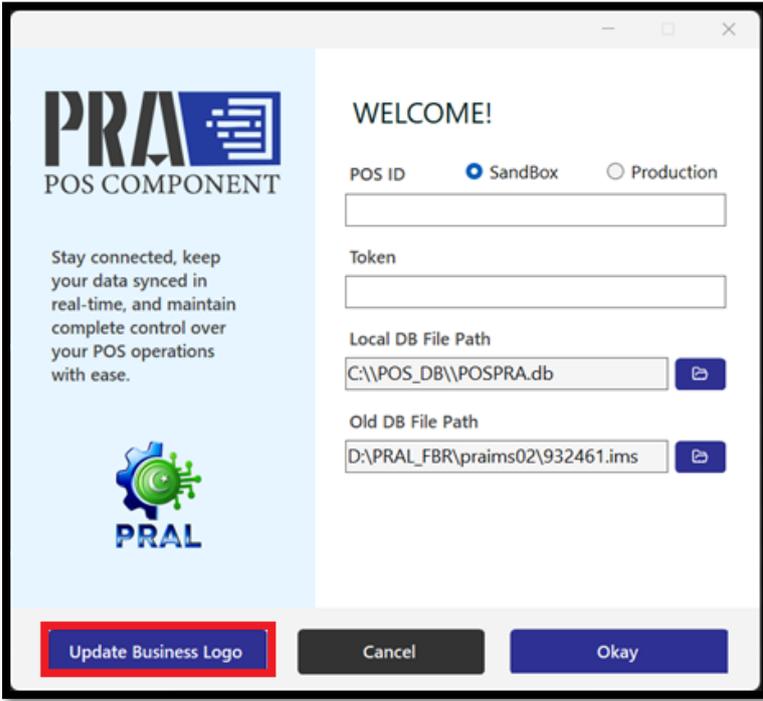
OR

- Select **Production** for the live environment.



The screenshot shows the 'WELCOME!' dialog box for the POS Component. On the left, there is a PRAL logo and the text 'POS COMPONENT' and 'Stay connected, keep your data synced in real-time, and maintain complete control over your POS operations with ease.' Below this is another PRAL logo. On the right, there are several input fields: 'POS ID' (empty), 'Token' (empty), 'Local DB File Path' (C:\POS_DB\POSPRA.db), and 'Old DB File Path' (D:\PRAL_FBR\praims02\932461.ims). At the top right, there are two radio buttons: 'SandBox' (selected) and 'Production' (unselected). At the bottom, there are three buttons: 'Update Business Logo', 'Cancel', and 'Okay'.

- Click the **Upload Business Logo** button to upload the official logo.

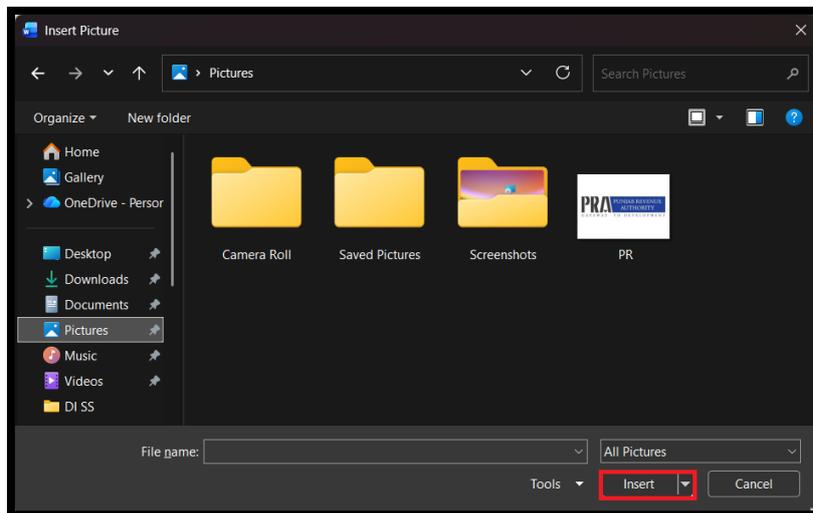


This screenshot is identical to the previous one, but the 'Update Business Logo' button at the bottom left is highlighted with a red rectangular box.

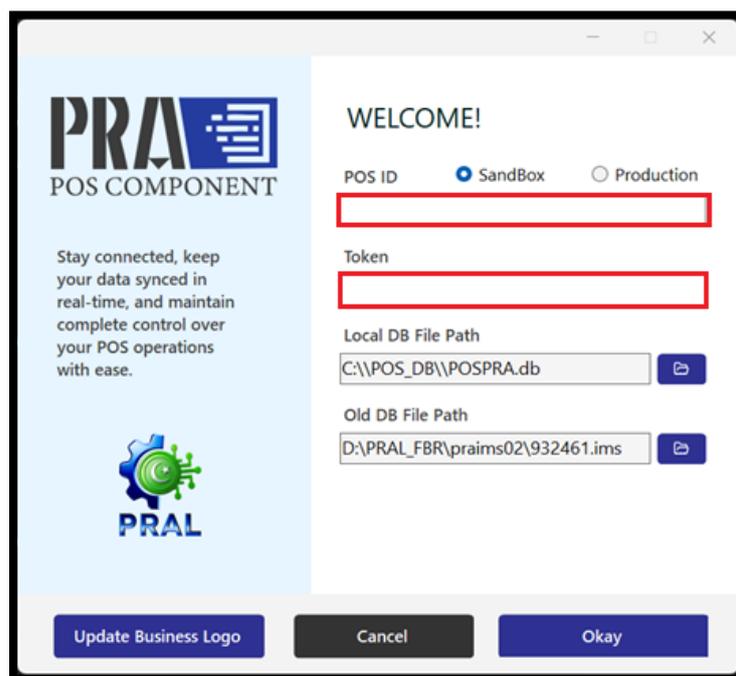
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A pop-up will appear for File Destination

- Select the image and click on **Insert** button

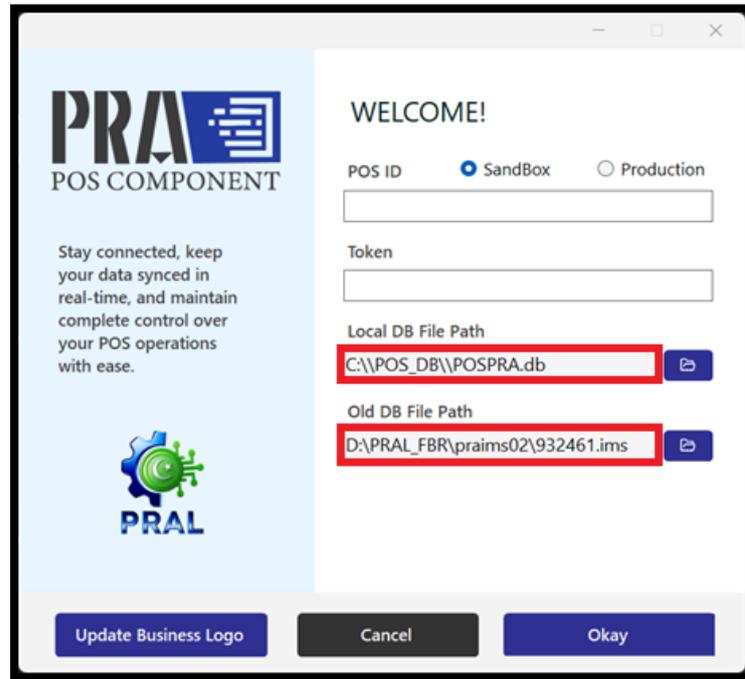


- Enter **POS ID** and **Token**.



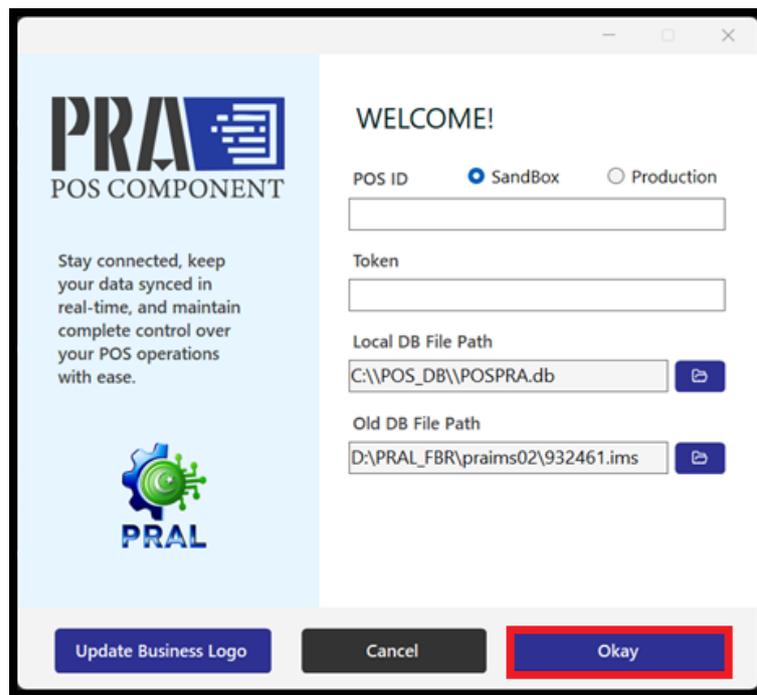
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- The **Local DB File Path** will be automatically filled in.
- If the POS Component was previously installed, the Old DB File Path will be automatically retrieved. (Otherwise, it will be left Blank)



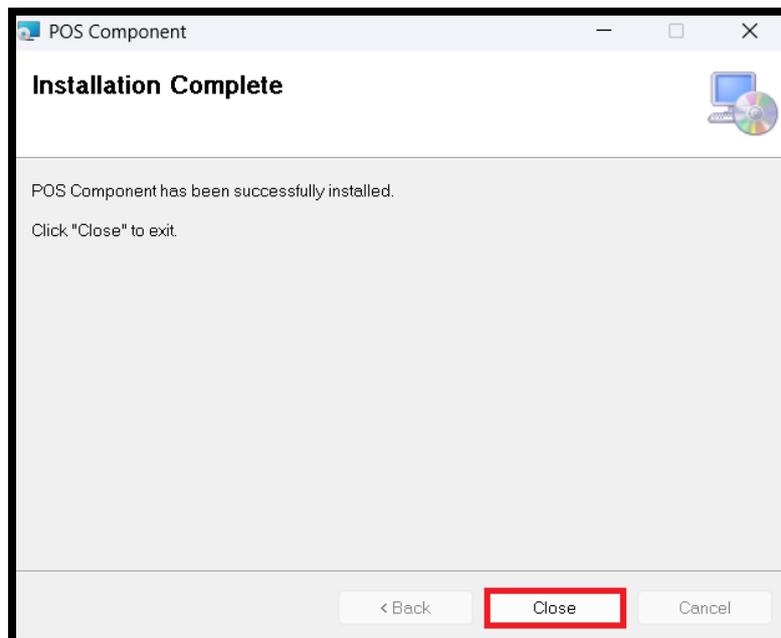
- Click **Okay** to continue with the installation.

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Once the installation is complete, a dialog box will appear on the screen.

- Click the **Close** button to exit the installation process.



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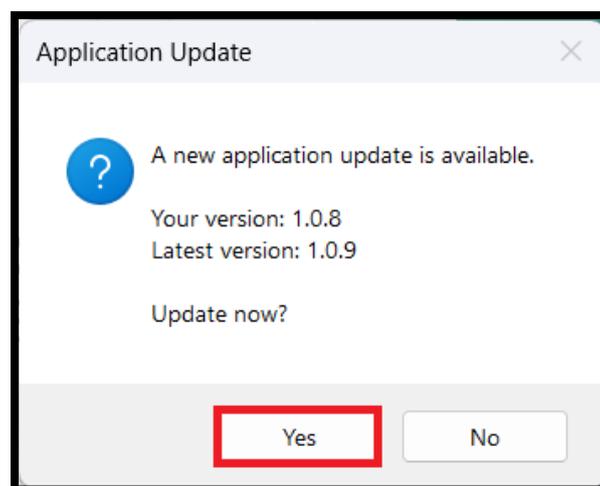
The downloaded POS Component will create a shortcut at Desktop for Dashboard



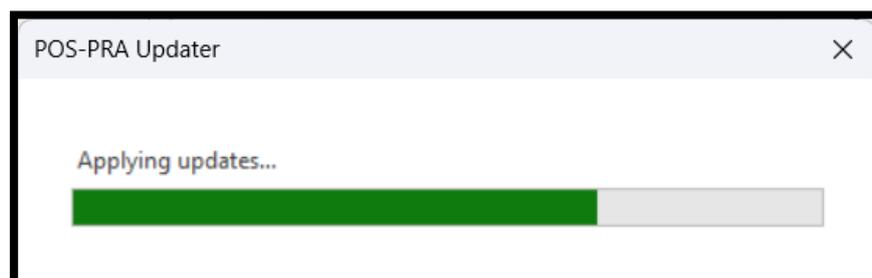
5.2. Application Update

Upon the release of a new update for the POS Component Application, a pop-up will appear when launching the POSPRA application:

- Select **Yes** to initiate the update.

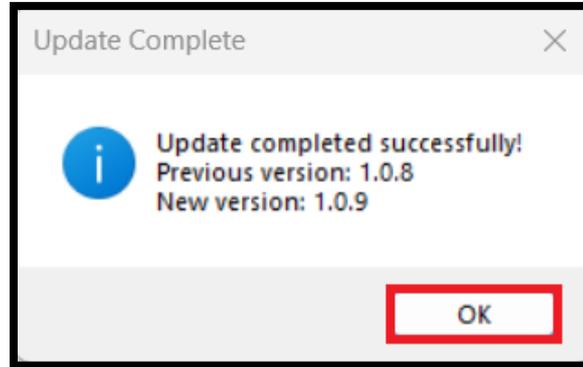


- The application will display a progress bar while the update is being applied.



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- Click **Ok** once the update is successfully completed.



6. Invoice Model Details

The Invoice Model specifies the required fields and data structure for processing and recording invoices in the system.

6.1. Invoice Data

The invoice model includes the following fields.

Name	Data Type	Status	Sample Value
InvoiceNumber	varchar(30)	Blank	–
POSID (POS Registration Number given by PRA on registration)	bigint	Compulsory	100000
USIN (Business own Invoice Number)	varchar(50)	Compulsory	001897
RefUSIN (Business Reference Invoice Number in case of return)	varchar(50)	Optional	001896
DateTime	datetime	Compulsory	2018-11-01 00:00:00.000
BuyerName	varchar(150)	Optional	Shahzad Ahmed
BuyerPNTN	varchar(9)	Optional	1234567-8
BuyerCNIC	varchar(13)	Optional	1111122222223
BuyerPhoneNumber	varchar(20)	Optional	00923001234567
TotalSaleValue	double	Compulsory	1,298
TotalTaxCharged	double	Compulsory	221

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Discount	double	Optional	380
FurtherTax	double	Optional	0.00
TotalBillAmount	double	Compulsory	1,519
PaymentMode (Use Mixed payment mode in case of more than 1 payment method like cash + card)	int	Compulsory	1. Cash 2. Card 3. Gift Voucher 4. Loyalty Card 5. Mixed 6. Cheque
InvoiceType	int	Compulsory	1. New 2. Debit 3. Credit (Use Credit in case of Return/Cancel order/invoice)
List	list	Compulsory	Table No 2

6.2. Invoice Item

The invoice data includes a recursive structure that contains multiple item records for a single invoice.

Name	Data Type	Status	Sample Value
ItemCode	varchar(50)	Compulsory	0001
ItemName	varchar(150)	Compulsory	Blanket
PCTCode	varchar(8)	Compulsory	01011000
Quantity	double	Compulsory	1.00
TaxRate	float	Compulsory	17
SaleValue	double	Compulsory	1,298
Discount	double	Optional	380.00
FurtherTax	double	Optional	0.00
TaxCharged	double	Compulsory	221
TotalAmount	double	Compulsory	1,519
InvoiceType	int	Compulsory	1. New 2. Debit 3. Credit

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RefUSIN (Business Reference Invoice Number in case of return)	varchar	Optional	001897
---	---------	----------	--------

6.3. Return Fiscal Invoice Number

Json Response string from PRA Web API

```
{\"InvoiceNumber\":90000520191112000369,\"Response\": \"Invoice received successfully\", \"Code\": \"100\"}
```

6.4. .Net Code Example: Fill the invoice object

```
Invoice objInv = new Invoice();
objInv.InvoiceNumber = string.Empty;
objInv.POSID = 123123;
objInv.USIN = \"123457\";
objInv.DateTime = DateTime.Now;
objInv.BuyerPNTN = \"1234567-9\";
objInv.BuyerCNIC = \"1234512345678\";
objInv.BuyerName = \"Buyer Name\";
objInv.BuyerPhoneNumber = \"03451234567\";
objInv.PaymentMode = 1;
objInv.TotalSaleValue = 0;
objInv.TotalQuantity = 0;
objInv.TotalBillAmount = 0;
objInv.TotalTaxCharged = 0;
objInv.Discount = 1000;
objInv.FurtherTax = 100;
objInv.InvoiceType = 1;
objInv.Items = Items();
private List<Invoiceltems> Items()
```

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```
{  
    List<InvoiceItems> lst = new List<InvoiceItems>();  
    InvoiceItems objItem = new InvoiceItems();  
    objItem.ItemCode = "0000";  
    objItem.ItemName = "Item Name";  
    objItem.Quantity = 3;  
    objItem.TotalAmount = Convert.ToDouble(3000.00);  
    objItem.SaleValue = Convert.ToDouble(3180);  
    objItem.TaxCharged = Convert.ToDouble(180);  
    objItem.TaxRate = 6;  
    objItem.PCTCode = "00000000";  
    objItem.FurtherTax = 20;  
    objItem.InvoiceType = 1;  
    objItem.Discount = 500;  
    lst.Add(objItem);  
    return lst;  
}
```

6.4.1. Web Client to post data to provided URL and get the response

Below code is used to call the WebAPI. JSON string is passed to the function along with API URL to which data is being posted.

```
using System.Net.Http;  
using Newtonsoft.Json;  
HttpClient Client = new HttpClient();  
var content = new StringContent(JsonConvert.SerializeObject(objinvoice),  
    Encoding.UTF8, "application/json");  
HttpResponseMessage response =  
    Client.PostAsync("http://localhost:8524/api/IMSFiscal/GetInvoiceNumberByModel",  
        content).Result;
```

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```

if (response.IsSuccessStatusCode)
{
    Console.WriteLine("Response from API");
    Console.WriteLine("                ");
    Console.WriteLine(response.Content.ReadAsStringAsync().Result);
}

```

6.4.2. Web Client to post data from Cloud and get the response

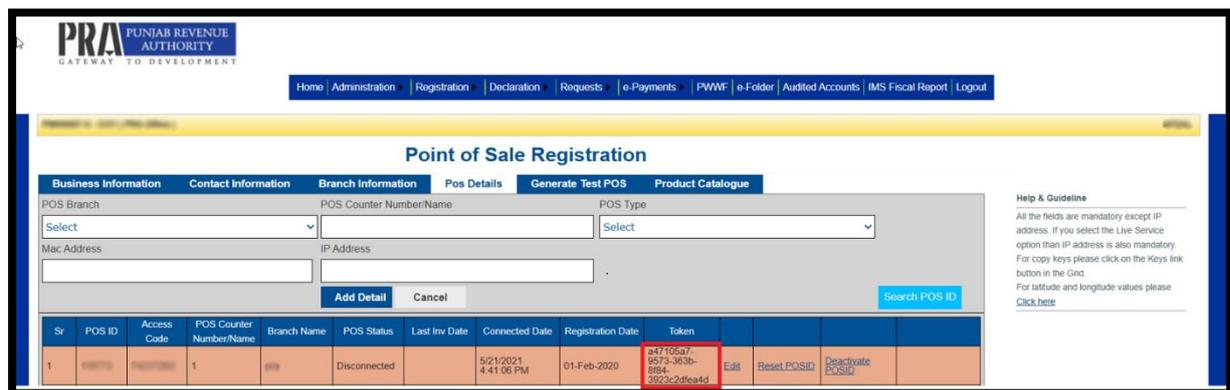
Below code is used to call the WebAPI. JSON string is passed to the function along with API URL to which data is being posted.

Sandbox URL: <https://ims.pral.com.pk/ims/sandbox/api/Live/PostData>

Sandbox Token: 24d8fab3-f2e9-398f-ae17-b387125ec4a2

Production URL: <https://ims.pral.com.pk/ims/production/api/Live/PostData>

Production Token: available on POS Registration Screen under POS Details tab against the POS ID as shown below



Sr	POS ID	Access Code	POS Counter Number/Name	Branch Name	POS Status	Last Inv Date	Connected Date	Registration Date	Token			
1			1		Disconnected		5/21/2021 4:41:08 PM	01-Feb-2020	a47105a7-8673-363b-894-3923c2dfead4	Edit	Reset POSID	Deactivate POSID

```
using System.Net.Http;
```

```
using Newtonsoft.Json;
```

```
HttpClient client = new HttpClient();
```

```
client.DefaultRequestHeaders.Authorization = new
```

```
AuthenticationHeaderValue("Bearer", Token);
```

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```
StringContent content = new
StringContent(JsonConvert.SerializeObject(objinvoice), Encoding.UTF8, "application/json");
    System.Net.ServicePointManager.ServerCertificateValidationCallback = delegate { return true; };
    HttpResponseMessage response = client.PostAsync(URL,content).Result; if (response.IsSuccessStatusCode)
{
    Console.WriteLine("Response from API");
    Console.WriteLine("_____");
    Console.WriteLine(response.Content.ReadAsStringAsync().Result);
}
```

IP Whitelisting: Share following information on the email (eims@pra.punjab.gov.pk) to get your IP whitelisted on the PRA Server to post the data on the production server.

- PNTN:
- BUSINESS NAME:
- POS ID:
- SERVER IP:
- SERVER LOCATION:

SAMPLE Email for IP Whitelist request:

To: eims@pra.punjab.gov.pk

Email Subject: IP WhiteList Request | PNTN 1122334-0 - POS ID 345678

Dear PRA Team,

Kindly whitelist the following IP for eIMS integration:

PNTN: 1122334-0

BUSINESS NAME: ABC Restaurant

POS ID: 345678

SERVER IP: 10.121.133.44

6.4.3. Sample JSON Format to POST to IMS Component

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```
{  
  "InvoiceNumber":"","  
  "POSID":000000,  
  "USIN":"USIN0",  
  "DateTime":"2020-01-01 12:00:00",  
  "BuyerPNTN":"1234567-8",  
  "BuyerCNIC":"1234512345678",  
  "BuyerName":"Buyer Name",  
  "BuyerPhoneNumber":"000000000000",  
  "TotalBillAmount":0.0,  
  "TotalQuantity":0.0,  
  "TotalSaleValue":0.0,  
  "TotalTaxCharged":0.0,  
  "Discount":0.0,  
  "FurtherTax":0.0, "PaymentMode":1,  
  "RefUSIN":null,  
  "InvoiceType":1,  
  "Items":[  
    {  
      "ItemCode":"IT_1011",  
      "ItemName":"Test Item", "Quantity":1.0,  
      "PCTCode":"00000000",  
      "TaxRate":0.0,  
      "SaleValue":0.0, "TotalAmount":0.0,  
      "TaxCharged":0.0,  
      "Discount":0.0,  
      "FurtherTax":0.0,  
    }  
  ]  
}
```

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```
"InvoiceType":1,  
"RefUSIN":null  
},  
{  
"ItemCode":"IT_1012",  
"ItemName":"Test Item",  
"Quantity":1.0,  
"PCTCode":"00000000",  
"TaxRate":0.0,  
"SaleValue":0.0,  
"TotalAmount":0.0,  
"TaxCharged":0.0,  
"Discount":0.0,  
"FurtherTax":0.0,  
"InvoiceType":1,  
"RefUSIN":null  
}  
]  
}
```

6.4.4. Posting Model in Postman

6.4.4.1. POST Endpoint

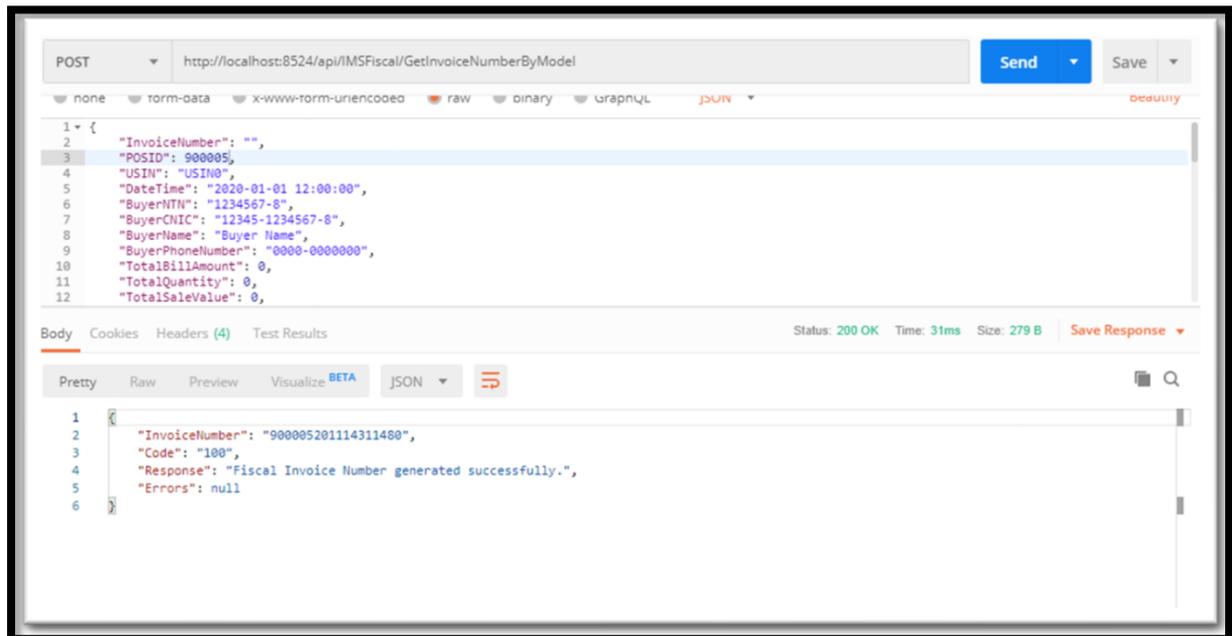
Request:

- Open new tab in Postman and write URL: <http://localhost:8524/api/IMSFiscal/GetInvoiceNumberByModel>
- Change type from **Get** to **POST** and then Select **raw** radio button on Postman and change **Text** to **JSON**.

POS Component – User Manual

- Add the sample Json mention in section [7.2.2 Sample JSON Format to POST to IMS Component.](#)
- Click send button to check the response from the Fiscalization Service.

Below image illustrates the process of posting data to the Fiscal service.



Response:

```
{
  "InvoiceNumber":
    "900005201114311480",
  "Code": "100",
  "Response": "Fiscal Invoice Number generated
    successfully.", "Errors": null
}
```

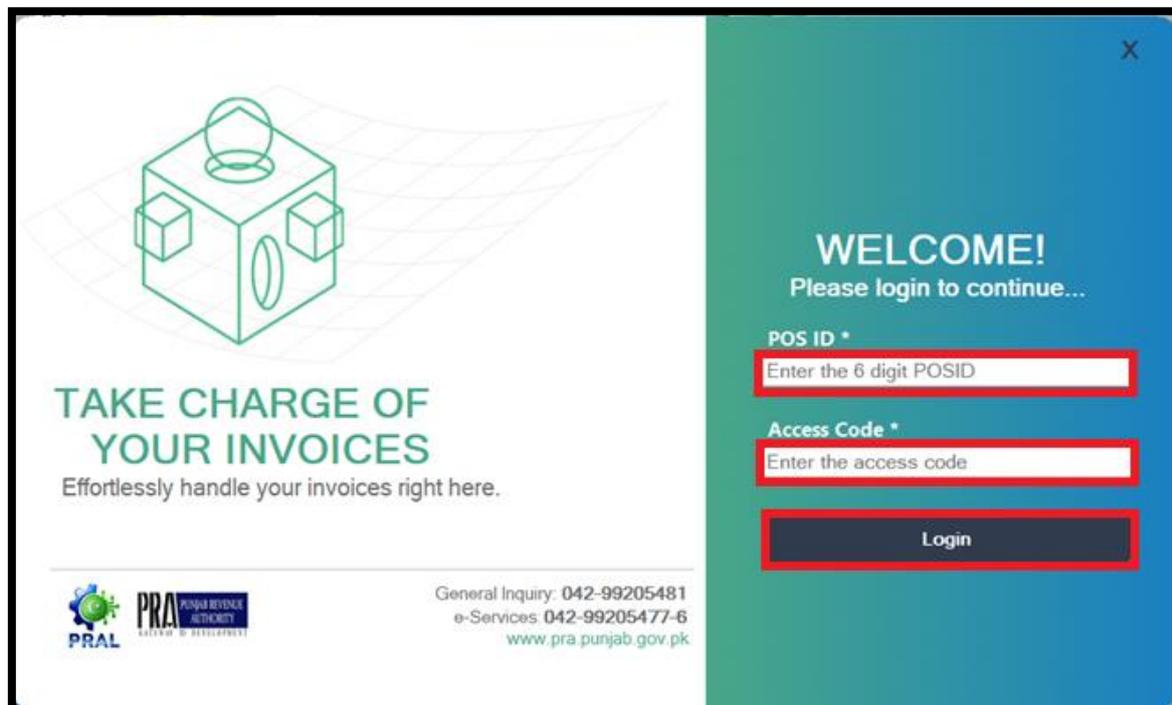
7. Dashboard Login

- Double Click on the POSPRA to start the application



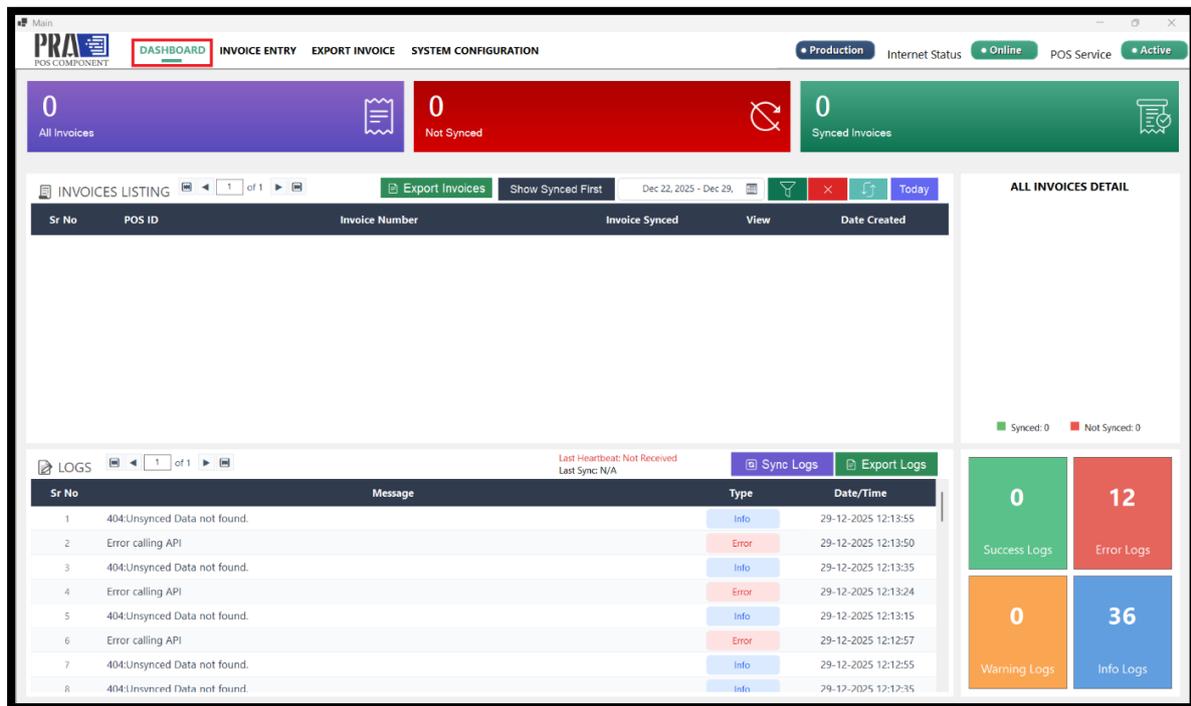
The login screen will appear.

- Enter the previously provided **POS ID** and **Access Code** to enable invoice management.
- Click **Login** to proceed.



8. POS Dashboard

The POS Component Dashboard offers a centralized interface for monitoring all invoices, providing clear visibility into their synchronization status. It enables efficient tracking of transactions and ensures transparency in data management. In addition, the dashboard maintains detailed system activity records, allowing seamless oversight and management of the synchronization process.

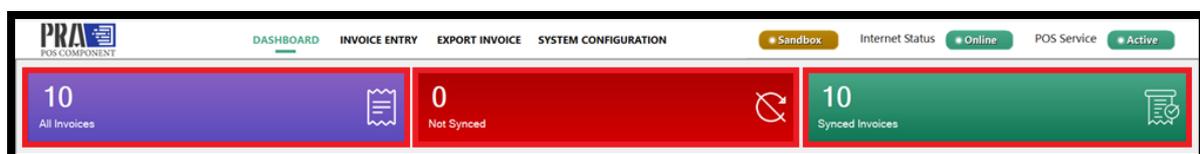


The screenshot displays the POS Component Dashboard interface. At the top, there are navigation tabs: DASHBOARD, INVOICE ENTRY, EXPORT INVOICE, and SYSTEM CONFIGURATION. The dashboard features three main summary cards: 'All Invoices' (0), 'Not Synced' (0), and 'Synced Invoices' (0). Below these is an 'INVOICES LISTING' table with columns for Sr No, POS ID, Invoice Number, Invoice Synced, View, and Date Created. A 'LOGS' section is visible at the bottom left, showing a list of system messages with columns for Sr No, Message, Type, and Date/Time. On the right side, there is an 'ALL INVOICES DETAIL' section with a legend for Synced (0) and Not Synced (0) invoices, and a summary of log counts: Success Logs (0), Error Logs (12), Warning Logs (0), and Info Logs (36).

8.1. Invoices Categories

Invoices on the dashboard are organized into three categories:

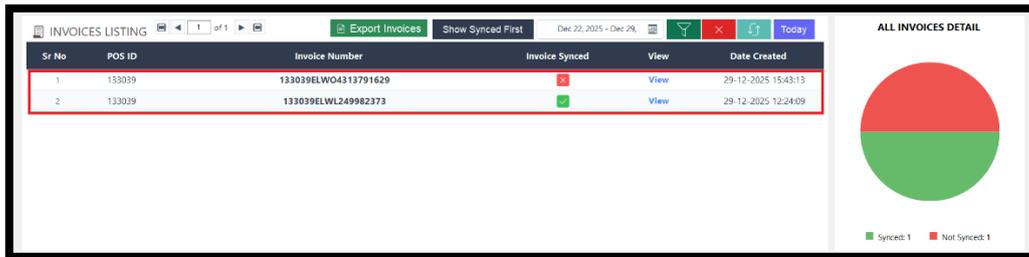
- **All Invoices:** Includes both synced and non-synced invoices.
- **Not Synced:** Invoices available only in the local database.
- **Synced Invoices:** Invoices that have been successfully synced with the system and FBR data.



This screenshot shows the POS Component Dashboard with updated statistics. The 'All Invoices' card now displays 10, 'Not Synced' displays 0, and 'Synced Invoices' displays 10. The navigation tabs and system status indicators remain the same.

8.2. Invoices Listing

All generated invoices are displayed in the **Invoices Listing**, organized by **POS ID**, **Invoice Number**, **Synchronization Status**, and **Creation Date**.



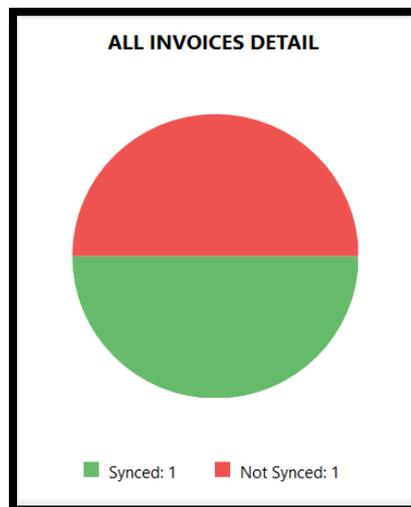
Sr No	POS ID	Invoice Number	Invoice Synced	View	Date Created
1	133039	133039ELW04313791629	✘	View	29-12-2025 15:43:13
2	133039	133039ELWL249982373	✔	View	29-12-2025 12:24:09

✘ - Not Synced

✔ - Synced

8.2.1. All Invoice Detail

The count of Synced and Not Synced invoices is displayed, with each category highlighted in separate colours for clarity. This allows for quick and accurate tracking of invoice status.



- Click on **Print** to view and print the generated invoices

POS Component – User Manual

Sr. No.	POS ID	Invoice Number	Invoice Synced	Print	Date Created
1	128767	128767EK5L42212434*test*	✓	Print	05-11-2025 12:42:21
2	128767	128767EK5L41590512*test*	✓	Print	05-11-2025 12:41:59

MK BAKERS

Satellite Town, Shop # 96, Ground Floor

Date/Time: Monday, 29 December 2025 12:24:09 pm

Registration no: 8000007-0 Ph#:

Payment Mode: Cash POS ID: 133039

Description	Qty	Price	Tax Rate%	Total
FD	20	1000.00	18	21240.00
Total Quantity	20	Gross Total		21240.00
Sales Tax				3600.00
Discount				2360.00
Net Total				Rs 21240.00

PRA Invoice no: 133039ELWL249982373




Verify this Invoice through PRA Sahulat MobileApp
You can Download the App from AppStore/PlayStore

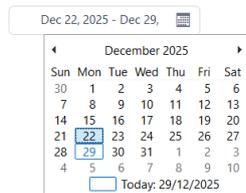
Powered by PRAL

Sr No	POS ID	Invoice Number	Invoice Synced	Created																																																								
<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <p>1 of 1</p> </div> <div style="margin-right: 10px;"> <p>Export Invoices</p> </div> <div style="margin-right: 10px;"> <p>Show Synced First</p> </div> <div style="margin-right: 10px;"> <p>Dec 22, 2025 - Dec 29,</p> </div> <div style="margin-right: 10px;"> <p>Today</p> </div> </div>																																																												
<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <p>December 2025</p> </div> <div style="margin-right: 10px;"> <p>Created</p> </div> </div> <table border="1" style="font-size: small;"> <tr> <td>Sun</td><td>Mon</td><td>Tue</td><td>Wed</td><td>Thu</td><td>Fri</td><td>Sat</td> </tr> <tr> <td>30</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td> </tr> <tr> <td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td> </tr> <tr> <td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td> </tr> <tr> <td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td> </tr> <tr> <td>28</td><td>29</td><td>30</td><td>31</td><td>1</td><td>2</td><td>3</td> </tr> <tr> <td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td> </tr> <tr> <td colspan="7" style="text-align: center;">Today: 29/12/2025</td> </tr> </table>					Sun	Mon	Tue	Wed	Thu	Fri	Sat	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	Today: 29/12/2025						
Sun	Mon	Tue	Wed	Thu	Fri	Sat																																																						
30	1	2	3	4	5	6																																																						
7	8	9	10	11	12	13																																																						
14	15	16	17	18	19	20																																																						
21	22	23	24	25	26	27																																																						
28	29	30	31	1	2	3																																																						
4	5	6	7	8	9	10																																																						
Today: 29/12/2025																																																												

Export Invoices - Download all invoices in CSV Format for easy access

Show Synced First - Displays synced invoices at the top of the invoice listing

POS Component – User Manual



- Enable calendar access to choose a specific date range (select the **From** date first, followed by the **To** date)."



- Apply specific date range filters



- Clear Filters



- Refresh



- Display invoices of present day (Today)

8.3. Activity Logs



Sr No	Message	Type	Date/Time
1	invoice saved successfully	Success	29-12-2025 15:43:13
2	404:Unsynced Data not found.	Info	29-12-2025 15:43:00
3	Error calling API	Error	29-12-2025 15:42:51
4	404:Unsynced Data not found.	Info	29-12-2025 15:42:40
5	Error calling API	Error	29-12-2025 15:42:25
6	404:Unsynced Data not found.	Info	29-12-2025 15:42:20
7	404:Unsynced Data not found.	Info	29-12-2025 15:42:00
8	Error calling API	Error	29-12-2025 15:41:59

2

Success Logs

217

Error Logs

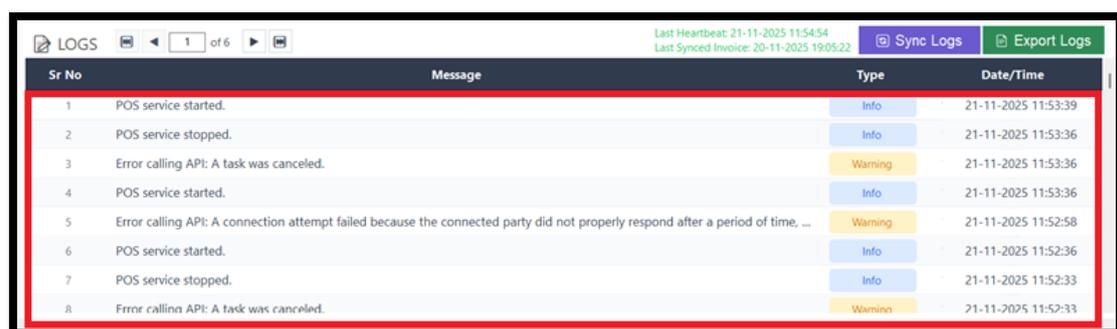
1

Warning Logs

280

Info Logs

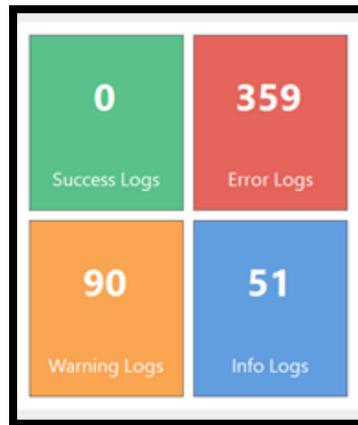
All messages, their categories, and timestamps are captured in the Activity Logs



Sr No	Message	Type	Date/Time
1	POS service started.	Info	21-11-2025 11:53:39
2	POS service stopped.	Info	21-11-2025 11:53:36
3	Error calling API: A task was canceled.	Warning	21-11-2025 11:53:36
4	POS service started.	Info	21-11-2025 11:53:36
5	Error calling API: A connection attempt failed because the connected party did not properly respond after a period of time, ...	Warning	21-11-2025 11:52:58
6	POS service started.	Info	21-11-2025 11:52:36
7	POS service stopped.	Info	21-11-2025 11:52:33
8	Error calling API: A task was canceled.	Warning	21-11-2025 11:52:33

- A panel on the right offers a quick overview, showing the total number of logged activities in terms of:
 - **Success Logs**
 - **Error Logs**
 - **Warning Logs**
 - **Info Logs**

POS Component – User Manual



Sync Logs

- Logs details of data synced between connected systems

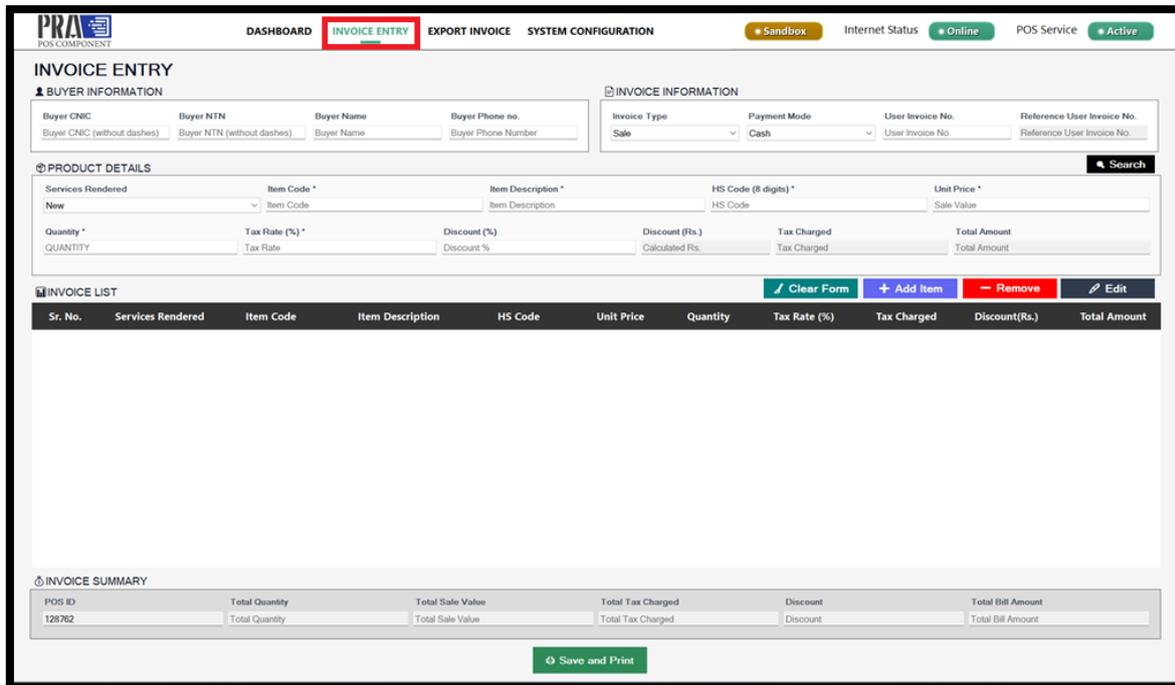
Export Logs

- Download the activity logs in CSV Format

9. Invoice Entry

Invoice entry in the PRA system enables the recording of sales transactions, ensuring the correct calculation and reporting of Sales Tax for compliance with tax regulations.

POS Component – User Manual



In the Buyer Information field

- Provide **Buyer CNIC, NTN, Buyer Name & Buyer Phone No.**

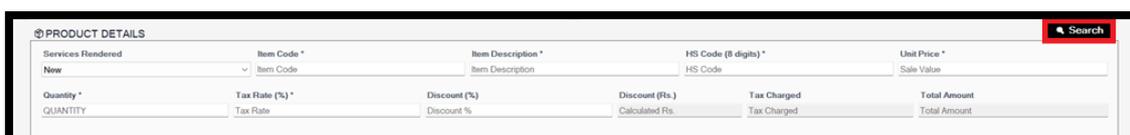
In the Invoice Information field

- Select **Invoice Type** from the drop-down menu
- Select the **Payment Mode** from the provided list



The product detail section will fetch the data from Product Catalogue

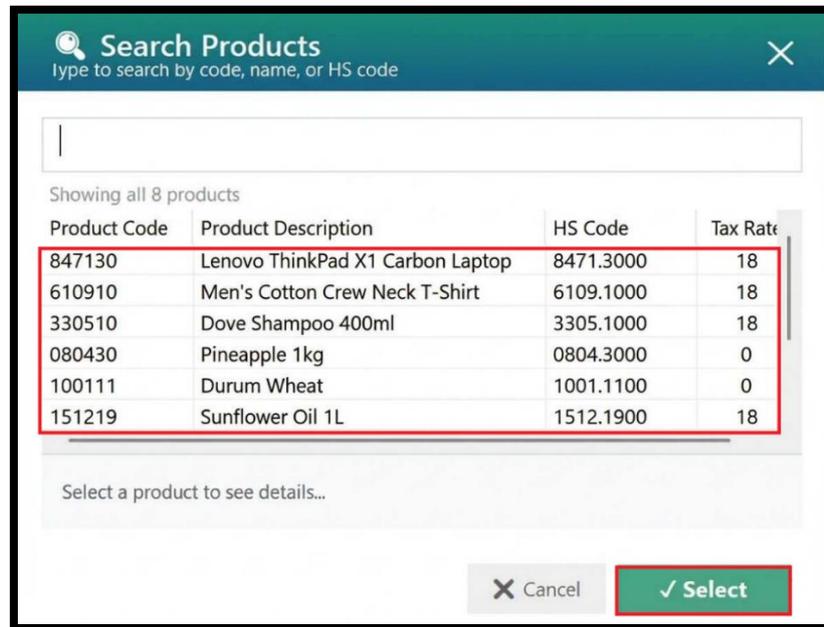
- Click on **Search** button



A new pop-up window will appear on the screen

POS Component – User Manual

- Select the required Product from the list
- Click on **Select** button.



Search Products
type to search by code, name, or HS code

Showing all 8 products

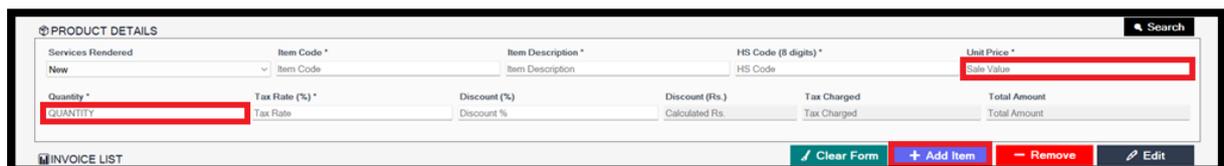
Product Code	Product Description	HS Code	Tax Rate
847130	Lenovo ThinkPad X1 Carbon Laptop	8471.3000	18
610910	Men's Cotton Crew Neck T-Shirt	6109.1000	18
330510	Dove Shampoo 400ml	3305.1000	18
080430	Pineapple 1kg	0804.3000	0
100111	Durum Wheat	1001.1100	0
151219	Sunflower Oil 1L	1512.1900	18

Select a product to see details...

Cancel Select

All the data will be auto fetched and auto calculated

- Enter **Unit Price & Quantity** only
- Click in **+ Add Item**, to enter product details



PRODUCT DETAILS

Services Rendered: New

Item Code *
Item Code

Item Description *
Item Description

HS Code (8 digits) *
HS Code

Unit Price *
Sale Value

Quantity *
QUANTITY

Tax Rate (%) *
Tax Rate

Discount (%)
Discount %

Discount (Rs.)
Calculated Rs.

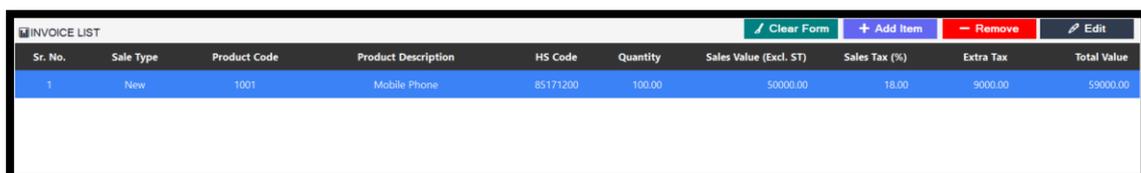
Tax Charged
Tax Charged

Total Amount
Total Amount

INVOICE LIST

Clear Form + Add Item - Remove Edit

The added item will display in Invoice list section



Sr. No.	Sale Type	Product Code	Product Description	HS Code	Quantity	Sales Value (Excl. ST)	Sales Tax (%)	Extra Tax	Total Value
1	New	1001	Mobile Phone	85171200	100.00	50000.00	18.00	9000.00	59000.00



INVOICE LIST

Clear Form + Add Item - Remove Edit

- Remove** - Delete Item from the Invoice List
- Edit** - Modify Invoices available in Invoice List

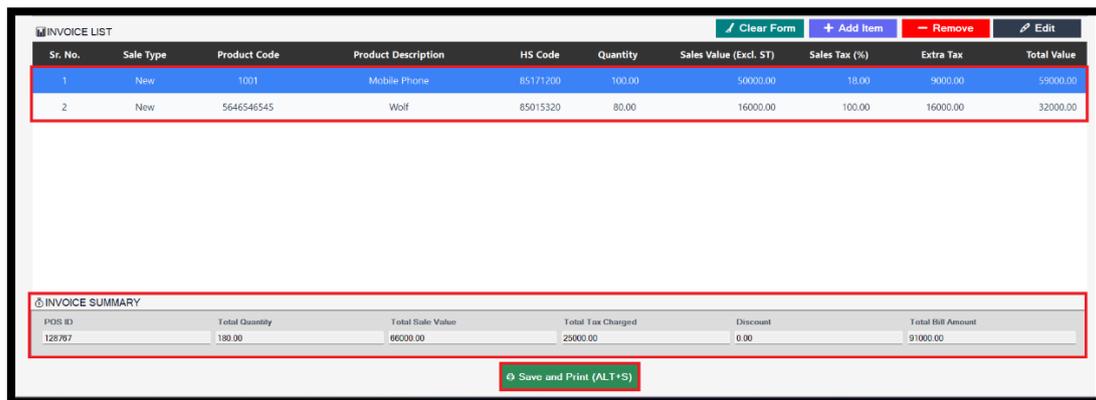
POS Component – User Manual

Clear Form - Clear All details filled in the invoice entry form

9.1. Invoice Summary

The Invoice Summary presents a comprehensive overview of all invoices in the Invoice List, including a consolidated total of all billed amounts.

- Click **Save & Print** to confirm the invoice entry



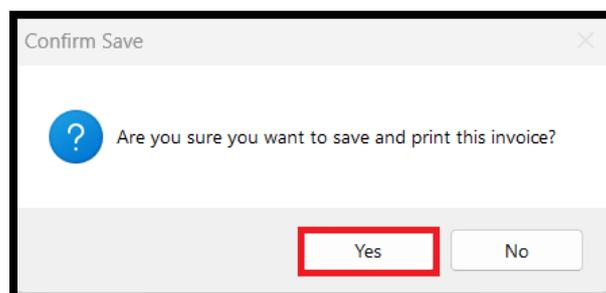
Sr. No.	Sale Type	Product Code	Product Description	HS Code	Quantity	Sales Value (Excl. ST)	Sales Tax (%)	Extra Tax	Total Value
1	New	1001	Mobile Phone	85171200	100.00	50000.00	18.00	9000.00	59000.00
2	New	5646546545	Wolf	85015320	80.00	16000.00	100.00	16000.00	32000.00

INVOICE SUMMARY					
POS ID	Total Quantity	Total Sale Value	Total Tax Charged	Discount	Total Bill Amount
126787	180.00	66000.00	25000.00	0.00	91000.00

Save and Print (ALT+S)

A confirmation message will appear on the screen.

- Click **Yes** to proceed



Confirm Save

Are you sure you want to save and print this invoice?

Yes No

9.2. Key Board Shortcut

The following keyboard shortcuts are designed to improve efficiency and streamline navigation within the application.

Action	Shortcut
Add Item	Alt + N
Remove Item	Alt + R
Edit Item	Alt + E
Clear Form	Alt + C

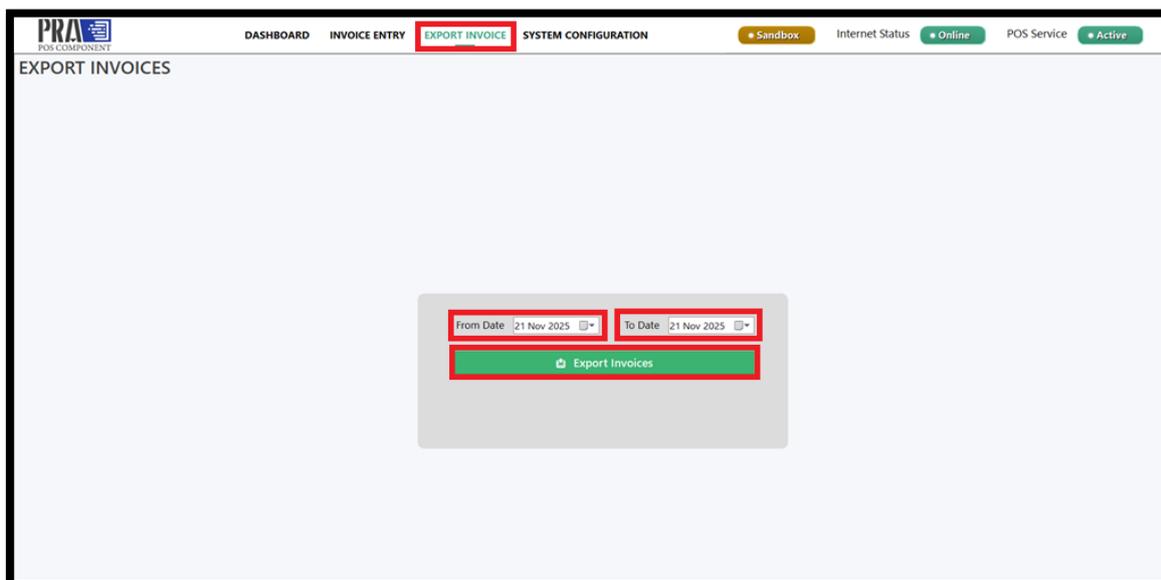
POS Component – User Manual

Search	Alt + S
Save & Print	Alt + P
Search Catalogue	Alt + F
Clear Form	Esc

10. Export Invoices

- Select **From & To Date** from the provided Calendar
- Click on Export Invoices to download

All the specific Invoices will be download in .xlsx format



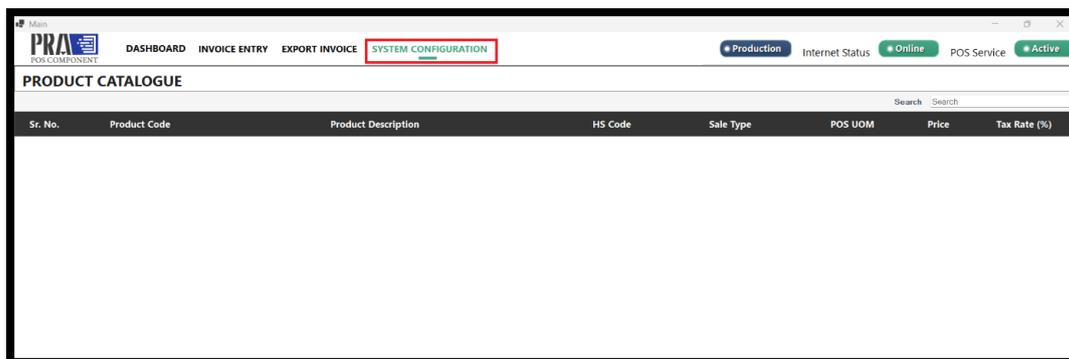
11. System Configuration

The system configuration allows for the management of the

- **Product Catalogue**
- **Upload Logo**

providing flexibility in customizing product listings and incorporating branding elements.

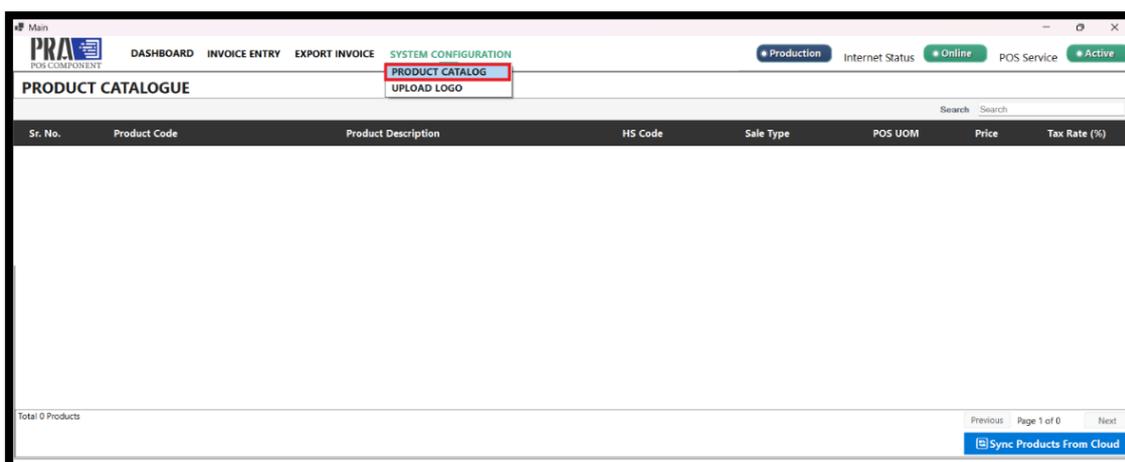
POS Component – User Manual



11.1. Product Catalogue

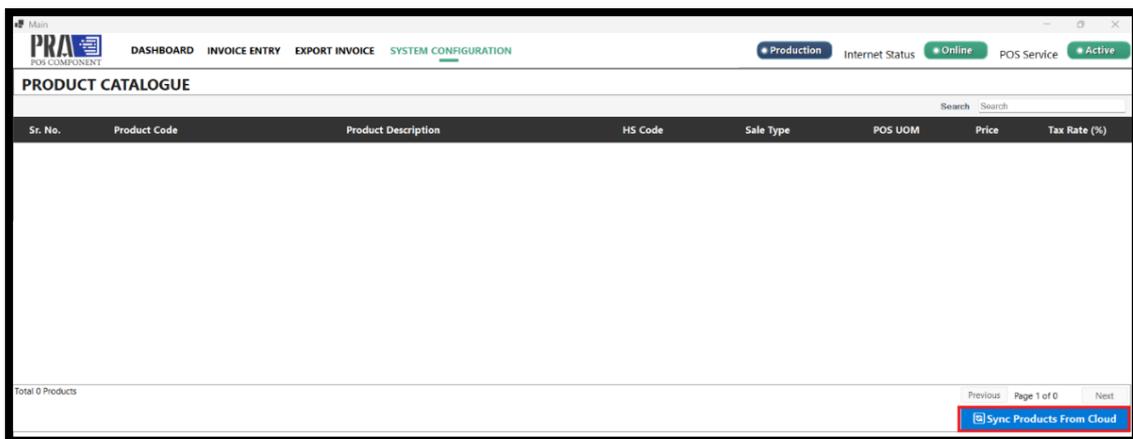
The **Product Catalogue** in the Punjab Revenue Authority's (PRA) POS Component is a compilation of all the products and services a business offer.

- Navigate to System Configuration
- Select Product Catalogue from the provided list

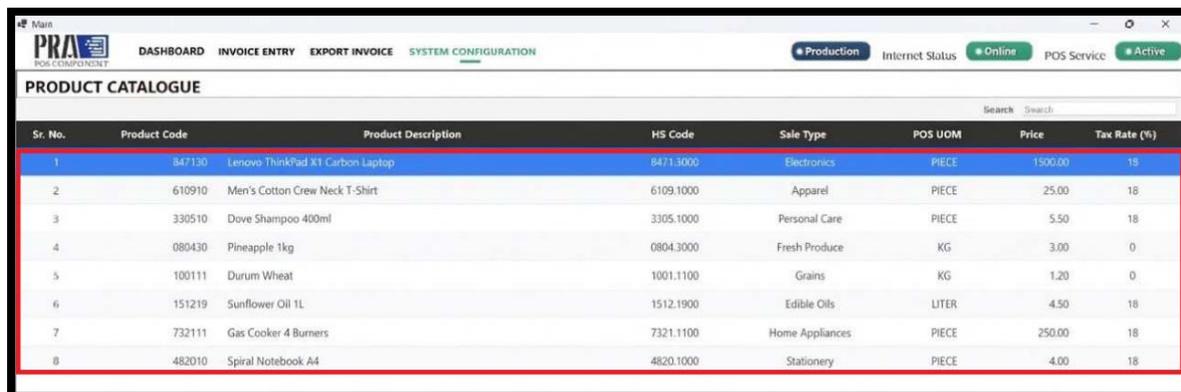


- Click on **Sync Products from Cloud** button to retrieve the latest product information.

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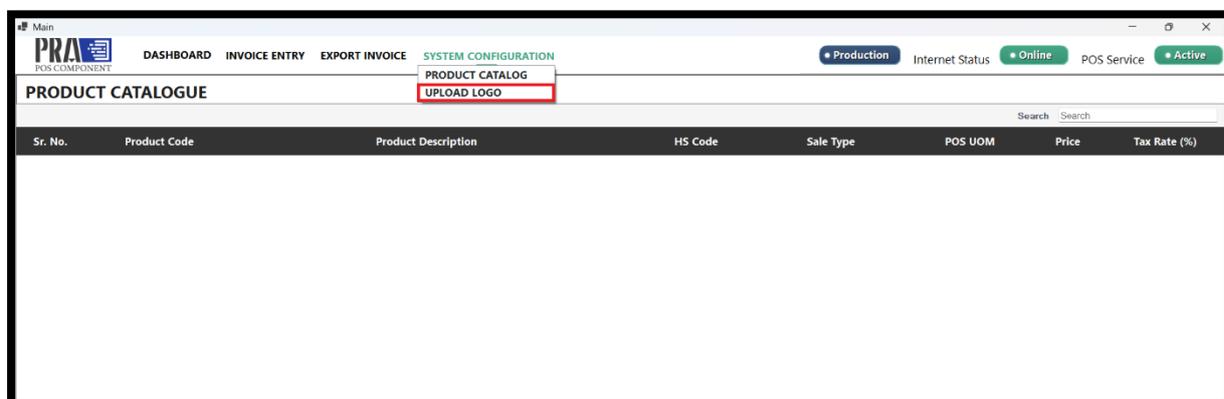
All the products stored in the database will be displayed on the screen.



Sr. No.	Product Code	Product Description	HS Code	Sale Type	POS UOM	Price	Tax Rate (%)
1	847130	Lenovo ThinkPad X1 Carbon Laptop	8471.3000	Electronics	PIECE	1500.00	18
2	610910	Men's Cotton Crew Neck T-Shirt	6109.1000	Apparel	PIECE	25.00	18
3	330510	Dove Shampoo 400ml	3305.1000	Personal Care	PIECE	5.50	18
4	080430	Pineapple 1kg	0804.3000	Fresh Produce	KG	3.00	0
5	100111	Durum Wheat	1001.1100	Grains	KG	1.20	0
6	151219	Sunflower Oil 1L	1512.1900	Edible Oils	LITER	4.50	18
7	732111	Gas Cooker 4 Burners	7321.1100	Home Appliances	PIECE	250.00	18
8	482010	Spiral Notebook A4	4820.1000	Stationery	PIECE	4.00	18

11.2. Upload Logo

- Select Upload logo from the drop-down menu

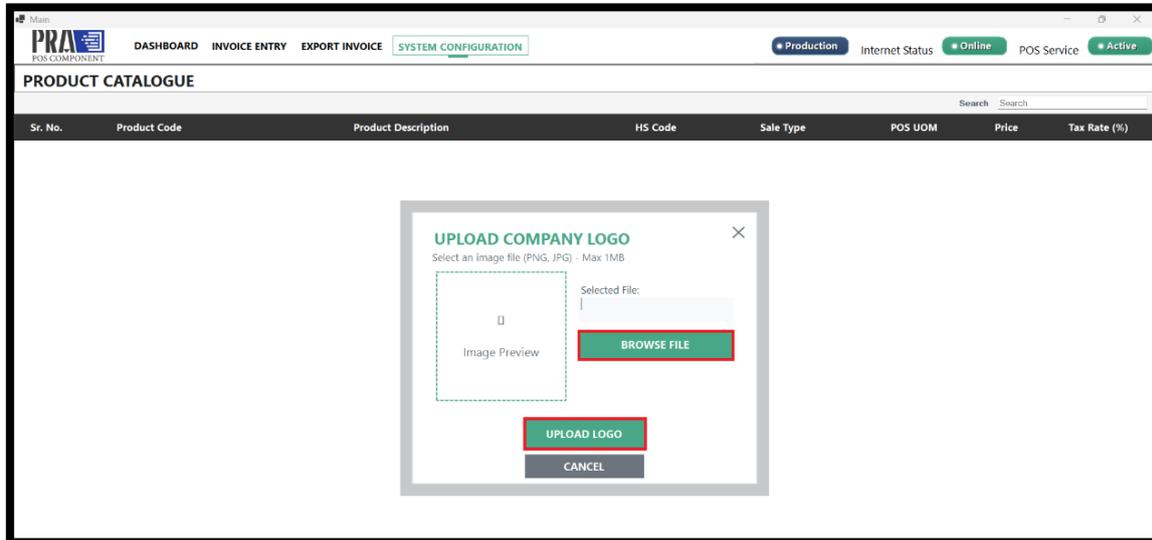


On the new window

- Click on **Browse File** to select a file from your device.

POS Component – User Manual

- Click on **Upload Logo** to confirm the selection



12. Messages Alert

The system sends notifications and alert messages if the internet connection is lost or if the POS service becomes inactive, ensuring the user is promptly informed of any connectivity or service issues that may affect transaction processing.



13. Uninstallation

The new POS component can be fully uninstalled directly from the Control Panel without the need to run **setup.exe**.

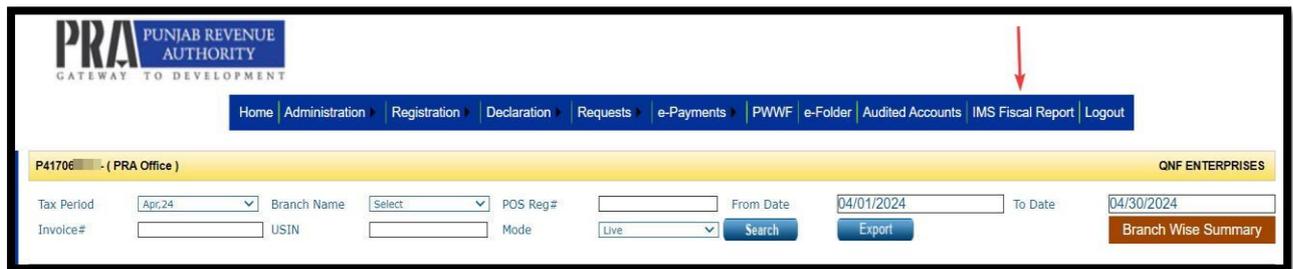
14. IMS Fiscal Report

Once the integration is complete and data has been posted to the PRA server, the posted data can be accessed either via the PRA IRIS Portal or the IMS Fiscal Report.

POS Component – User Manual

To view the IMS Fiscal Report, follow these steps:

1. Log in to the **Legacy PRA Portal** (<https://reg.pra.punjab.gov.pk/>) for invoices before August 2024. For invoices from September 2024 onward, log in to **PRA IRIS** at <https://e.pra.punjab.gov.pk/>.
2. Select the **'IMS Fiscal Report'** button to access the report.



The screenshot shows the PRA Punjab Revenue Authority portal interface. At the top, there is a navigation menu with the following items: Home, Administration, Registration, Declaration, Requests, e-Payments, PWWF, e-Folder, Audited Accounts, **IMS Fiscal Report**, and Logout. A red arrow points to the 'IMS Fiscal Report' button. Below the navigation menu, there is a user profile section showing 'P41706 (PRA Office)' and 'QNF ENTERPRISES'. The main area contains search filters for Tax Period (Apr,24), Branch Name (Select), POS Reg#, From Date (04/01/2024), To Date (04/30/2024), Invoice#, USIN, and Mode (Live). There are 'Search' and 'Export' buttons, and a 'Branch Wise Summary' button.

15. Frequently Asked Question

Q: What is the purpose of the PRA POS Component?

The PRA POS Component ensures businesses comply with the Punjab Revenue Authority's regulations, providing a system for real-time sales reporting and generating fiscal invoices that are synchronized with the PRA's e-IMS.

Q: How do I install the PRA POS system?

The installation process involves downloading the system from the PRA website and configuring it to integrate with the PRA's fiscal devices. Step-by-step instructions are provided in the manual.

Q: Can the POS system be used for both test and live transactions?

Yes, the POS system supports both testing (sandbox) and live (production) environments, allowing businesses to test their configurations before going live.

Q: How do I synchronize my product catalogue with PRA?

The product catalogue can be synced from the cloud, ensuring up-to-date product data is available for accurate sales reporting and invoice generation.

Q: What are the system requirements for the PRA POS Component?

The system requires specific hardware and software configurations, including a compatible operating system, a stable internet connection, and proper security settings. Detailed requirements are provided in the manual.

Q: Is it necessary to upload my business logo?

Uploading the business logo is optional, but it is recommended for branding purposes. It can be done via the system configuration settings.

Q: How do I configure the POS system after installation?

After installation, businesses must configure various settings, including entering business details, branch information, POS software type, and contact information through the system interface.

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Q: What happens if my POS system does not sync invoices correctly?

The system will alert you to synchronization issues. To resolve the problem, ensure your internet connection is stable, check system settings, and reattempt synchronization. Contact PRA support if issues persist.

Q: Can I modify invoices after they are generated?

Once invoices are synchronized with PRA's system, they cannot be directly edited. Any adjustments or cancellations must follow PRA's official procedures.

Q: How can I track my invoices in the system?

The system allows you to view all invoices under categories such as "Not Synced" and "Synced Invoices," offering clear visibility on transaction statuses.

Q: What types of payment modes can I report on invoices?

The system supports multiple payment modes, including Cash, Card, Gift Voucher, Loyalty Card, Mixed Payments, and Cheque.

Q: What is the role of the PRA Software Fiscal Device?

The PRA Software Fiscal Device generates fiscal invoice numbers for transactions and ensures compliance by transmitting data to PRA's servers for reporting and record-keeping.

Q: Can I run the POS system on multiple branches?

Yes, each branch must be registered individually, and the system can manage multiple branches under one business account, allowing for centralized reporting.

Q: How do I generate fiscal invoices for transactions?

Fiscal invoices are automatically generated by the POS system after a sale is processed, ensuring real-time synchronization with the PRA's e-IMS.

Q: What is the process for integrating the POS system with PRA's fiscal device?

The integration involves downloading the PRA Software Fiscal Device, selecting the appropriate environment (sandbox or production), and configuring it to communicate with the POS system for invoice generation.

POS Component – User Manual

Q: Is it mandatory to have technical staff for system setup?

While not mandatory, having technical staff for installation and troubleshooting is recommended, especially for configuring advanced settings and troubleshooting integration issues.

Q: Can I export invoice data from the system?

Yes, the system allows businesses to export invoice data to formats like CSV or Excel for easy reporting and record-keeping.

Q: How do I generate test POS IDs for my system?

Test POS IDs can be generated from the PRA portal under the “Generate Test POS” section. These IDs are used in the sandbox environment for testing purposes.

Q: What is the significance of the “Invoice Type” field in the system?

The “Invoice Type” field is used to classify the nature of the transaction, such as whether it is a regular sale, a debit (adjustment), or a credit (return or cancellation).

Q: What is the role of the "MAC Address" in POS registration?

The MAC Address uniquely identifies the POS terminal. It is required for proper system identification and to prevent unauthorized devices from accessing the network

Q: Can I print invoices directly from the POS system?

Yes, the POS system allows you to print invoices directly from the software once the transaction is completed and synchronized.