

Abacus POS (iOS)

# Pairing and Transaction User Guide

Updated on, by: 27 May 24, KL

Reviewed on, by:  
13 Dec 24, TB  
24 Jan 25, TB

mx51



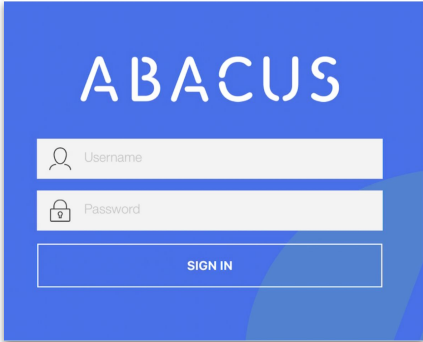
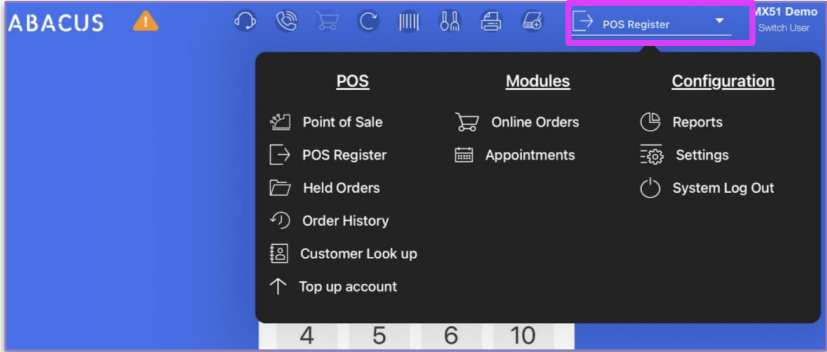
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# System Requirements

Systems	Requirements
Connectivity	Both the Point-of-sale (POS) system and EFTPOS Terminal need to be connected to the same Local Area Network. (This is usually setup by the Abacus technician during POS install).
POS Version	Version: 2.11.27(20241128.1730) and above
POS Operating System	iOS, iPadOS
Integration Type	SPI

# Pairing the POS to the EFTPOS Terminal - POS configuration (1 of 5)

Steps	Example screens
<div>1. Launch the <a href="#">Abacus App</a></div> <div>2. Enter credentials, then select <a href="#">SIGN IN</a></div> <div><i>This is merchant specific and the credentials can be obtained from the merchant or POS Vendor.</i></div>	 The image shows the Abacus login screen. It has a blue background with the word 'ABACUS' in white at the top. Below it are two input fields: 'Username' with a person icon and 'Password' with a lock icon. At the bottom is a blue button labeled 'SIGN IN'.
<div>3. Open the dropdown menu in the top right corner, then select <a href="#">Settings</a></div>	 The image shows the Abacus app interface. The top bar is blue with the 'ABACUS' logo and a notification icon. To the right is a dropdown menu labeled 'POS Register' with a 'Switch User' link. Below this is a dark grey menu with three sections: 'POS' (Point of Sale, POS Register, Held Orders, Order History, Customer Look up, Top up account), 'Modules' (Online Orders, Appointments), and 'Configuration' (Reports, Settings, System Log Out). At the bottom is a blue bar with the numbers 4, 5, 6, and 10.

# Pairing the POS to the EFTPOS Terminal - *POS configuration* (2 of 5)

## Steps

4. Select the **Payment** tab
5. Enable the **Custom Payments** flag
6. Select **Simple Payments Integration**

## Example screens

The screenshot displays the ABACUS POS configuration interface. The top navigation bar includes the ABACUS logo, a warning icon, and various system icons. The 'Payment' tab is highlighted in the top menu. Below the navigation bar, the 'Custom Payments' section is visible, featuring a list of payment methods: Tyro Pay@Table, Tyro Payment, EFTPOS, linkly Cloud Connect, Square Payment, and Simple Payments Integration. The 'Simple Payments Integration' option is selected and highlighted with a blue checkmark. To the right, the 'Simple Payments Integration' configuration screen is shown. It includes fields for 'POS ID: ABACUSPOS', 'Device Serial Number', and 'Device IP Address'. A 'Pay At Table' toggle is set to 'Off'. The 'Automatic IP Address' toggle is also set to 'Off'. The 'CONNECTION STATUS' is 'UNPAIRED'. Below these fields, there are 'SAVE' and 'PAIR' buttons. A 'Steps to Pair' section provides instructions for connecting the device to the network and entering the merchant password and device IP address and serial number.

**ABACUS** [Warning Icon] [Headset Icon] [Phone Icon] [Shopping Cart Icon] [Refresh Icon] [Barcode Icon] [Printer Icon] [Truck Icon] [Settings Icon] **MX51 Demo** [Switch User]

System Connection Device Options **Payment** Sync External Devices

**Custom Payments** [Toggle On]

- Tyro Pay@Table
- Tyro Payment
- EFTPOS
- linkly Cloud Connect
- Square Payment
- Simple Payments Integration** [Checkmark]

**Simple Payments Integration**

Gecko Demo Bank

POS ID: ABACUSPOS

Device Serial Number

Device IP Address

Automatic IP Address [Toggle Off]

Pay At Table: [Toggle Off]

SAVE

PAIR

CONNECTION STATUS: UNPAIRED

**Steps to Pair**

**On the SPI payment device:**

1. Connect to your Abacus network
2. Press "Pair with POS". Enter your Merchant password
3. The payment device will show its Device IP Address & Serial Number

**In Abacus:**

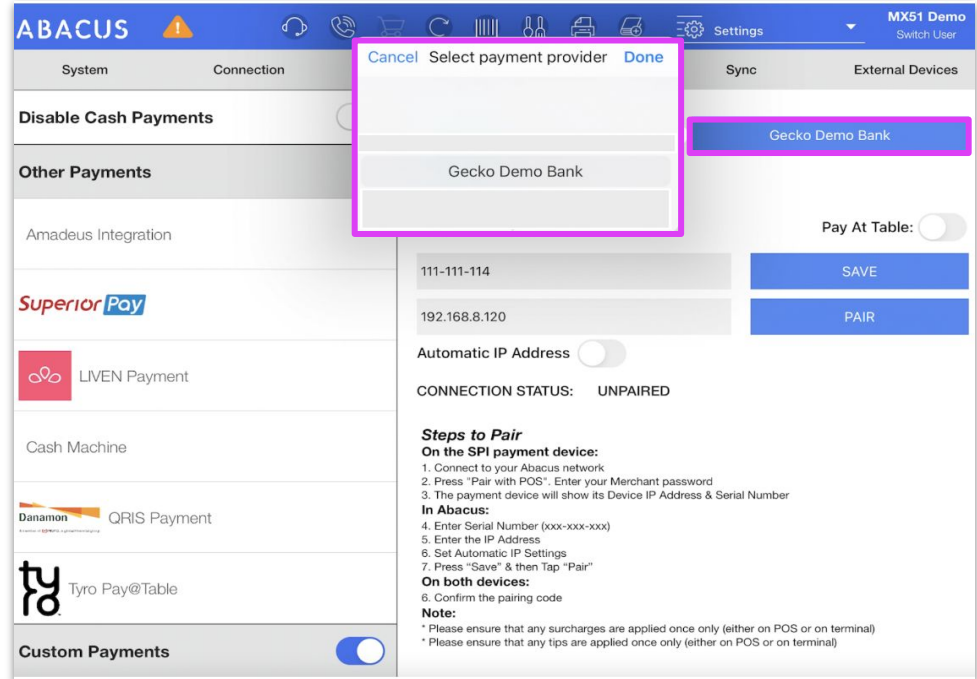
4. Enter Serial Number (xxxx-xxxx-xxxx)
5. Enter the IP Address
6. Set Automatic IP Settings
7. Press "Save" & then Tap "Pair"

# Pairing the POS to the EFTPOS Terminal - *POS configuration* (3 of 5)

## Steps

7. Tap the button in the top right hand corner, then select the relevant **Payment Provider**

## Example screens



# Pairing the POS to the EFTPOS Terminal - *POS configuration* (4 of 5)

## Steps

8. Enable the [Automatic IP Address](#) flag.
9. Enter the [Device Serial Number](#), then select [SAVE](#)

*(When the [Automatic IP Address](#) flag is enabled, the IP address of the EFTPOS terminal will automatically populate the [Device IP Address](#) field after you click [SAVE](#))*

## Example screens

The screenshot shows the ABACUS POS configuration interface. The top navigation bar includes 'ABACUS', a warning icon, and various system icons. Below this is a tabbed menu with 'System', 'Connection', 'Device Options', 'Payment', 'Sync', and 'External Devices'. The 'Device Options' tab is active, showing a list of payment methods on the left: Tyro Pay@Table, Tyro Payment, PC-EFTPOS, linkly Cloud Connect, Square Payment, and Simple Payments Integration (which is selected with a blue checkmark). The right panel is titled 'Simple Payments Integration' and contains the following fields and controls:

- POS ID:** ABACUSPOS
- Device Serial Number:** A text input field with a magenta border.
- Device IP Address:** A text input field.
- Automatic IP Address:** A toggle switch with a magenta border, currently turned on.
- Pay At Table:** A toggle switch, currently turned off.
- SAVE:** A blue button with a magenta border.
- PAIR:** A blue button.
- CONNECTION STATUS:** UNPAIRED

Below these fields, there is a section titled 'Steps to Pair' with instructions for the SPI payment device and the Abacus system.

**Steps to Pair**  
**On the SPI payment device:**  
1. Connect to your Abacus network  
2. Press "Pair with POS". Enter your Merchant password  
3. The payment device will show its Device IP Address & Serial Number  
**In Abacus:**  
4. Enter Serial Number (xxx-xxx-xxx)  
5. Enter the IP Address  
6. Set Automatic IP Settings  
7. Press "Save" & then Tap "Pair"  
**On both devices:**

# Pairing the POS to the EFTPOS Terminal - *POS configuration* (5 of 5)

## Steps

10. Select **Pair**.

*Proceed to next slide to continue process on EFTPOS terminal*

## Example screens

The screenshot shows the ABACUS POS configuration interface. The top navigation bar includes the ABACUS logo, a warning icon, and various system icons. The main menu has tabs for System, Connection, Device Options, Payment, Sync, and External Devices. The 'Payment' tab is active, displaying the 'Simple Payments Integration' section. On the left, a list of payment methods includes Tyro Pay@Table, Custom Payments (toggle on), Tyro Payment, PC-EFTPOS, linkly Cloud Connect, Square Payment, and Simple Payments Integration (selected with a blue checkmark). The right panel shows the configuration for Simple Payments Integration, including the POS ID (ABACUSPOS), Device Serial Number, Device IP Address, and a toggle for Automatic IP Address. A 'Pay At Table' toggle is also present. The 'CONNECTION STATUS' is 'UNPAIRED'. A 'PAIR' button is highlighted in pink. Below the configuration fields, there are instructions for pairing the device, divided into steps for the SPI payment device, the Abacus POS, and both devices.

**ABACUS** MX51 Demo Switch User

System Connection Device Options **Payment** Sync External Devices

**tyro** Tyro Pay@Table

**Custom Payments** ☒

**tyro** Tyro Payment ☐

**PC-EFTPOS** ☐

**linkly** Cloud Connect ☐

**Square** Square Payment ☐

**SPI** Simple Payments Integration ☒

**SPI** Simple Payments Integration

Gecko Demo Bank

POS ID: ABACUSPOS

Device Serial Number

Device IP Address

Automatic IP Address ☐

Pay At Table: ☐

SAVE

**PAIR**

CONNECTION STATUS: UNPAIRED

**Steps to Pair**

**On the SPI payment device:**

1. Connect to your Abacus network
2. Press "Pair with POS", Enter your Merchant password
3. The payment device will show its Device IP Address & Serial Number

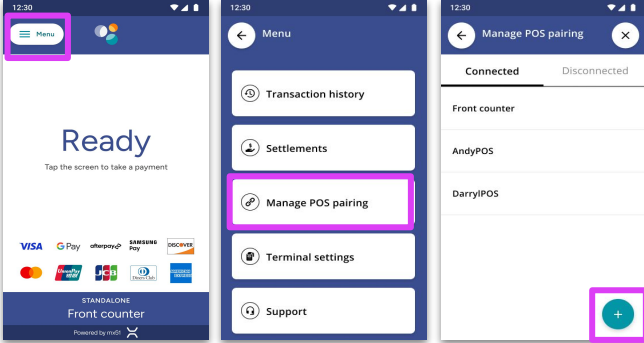
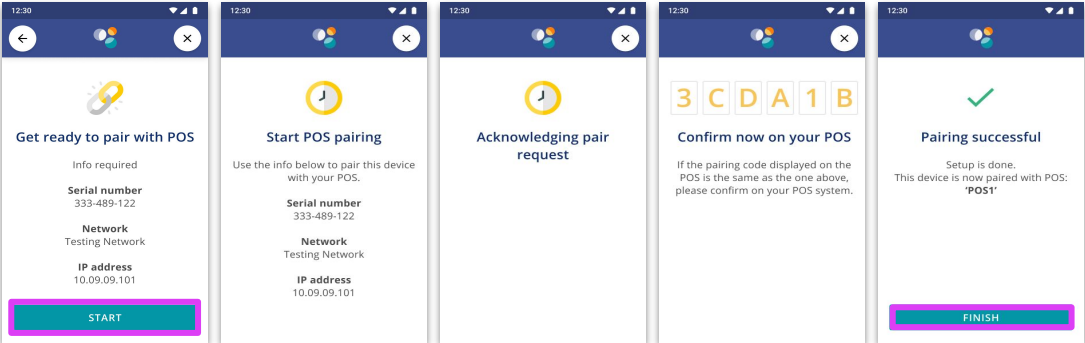
**In Abacus:**

4. Enter Serial Number (xxx-xxx-xxx)
5. Enter the IP Address
6. Set Automatic IP Settings
7. Press "Save" & then Tap "Pair"

**On both devices:**



# Pairing the POS to the EFTPOS Terminal - *EFTPOS Terminal* (1 of 1)

Steps	Example screens
<p>1. On the <b>EFTPOS terminal</b>, Select <b>Menu</b></p> <p><i>Note: If there is no existing pairing, the "Manage POS pairing" button will show</i></p> <p>2. Select <b>Manage POS pairing</b></p> <p>3. Select <b>+</b></p>	
<p>4. On the <b>EFTPOS Terminal</b></p> <ul style="list-style-type: none"> <li>○ Select <b>START</b></li> <li>○ Ensure the code displayed matches what is displayed on POS, then select <b>YES</b></li> <li>○ Select <b>FINISH</b></li> </ul>	

# Perform a Test Purchase Transaction

## Steps

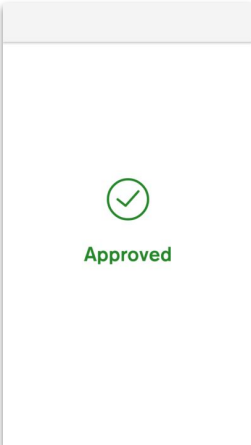
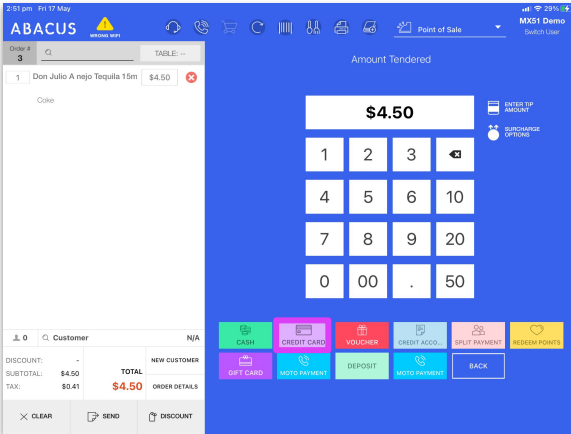
To perform a test **Purchase Transaction**

- 1. Select the **Product**
- 2. Select **Pay**
- 3. Select **Credit Card**.

*The transaction will be sent to the eftpos terminal for payment.*

- 4. Present Card

## Example screens



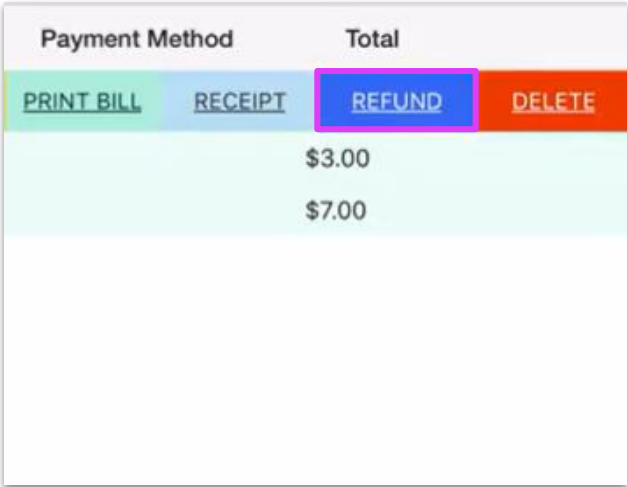
# Perform a Test Refund Transaction - (1 of 2)

Steps

Example screens

To perform a test [Refund Transaction](#)

1. From the drop down in the top right corner, select [Order History](#)
2. Select the order to be refunded then select [Refund](#)



## Perform a Test Refund Transaction - (2 of 2)

Steps	Example screens
<p>3. Select <b>Credit Card</b></p> <p>4. Select <b>Refund</b></p> <p><i>The transaction will be sent to the eftpos terminal for payment.</i></p> <p>5. Enter Secure <b>Passcode</b> on EFTPOS terminal</p> <p>6. Present card</p>	