

https://verifone.cloud/docs/sca-functional-specification/media_specifictn/ui_engage_device/disp_scrn_ui_eng_devc_m400

Updated: 23-Sep-2025

M400 - User Inteface

Idle Screen

The Idle Screen displays upon device power up, after reboot, and after transaction completion. SCA supports the following merchant controlled media areas: Idle Screen Video, Idle Screen Animation, and Idle Screen Full Image.



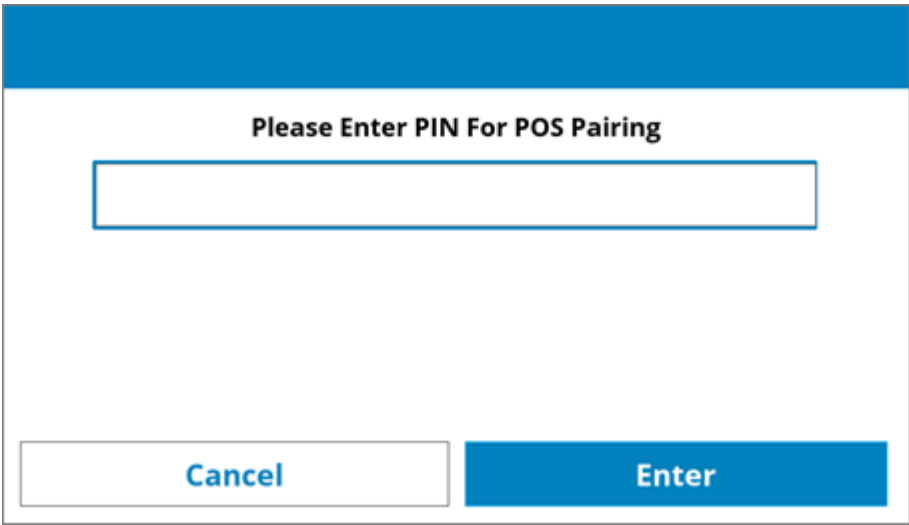
Note

Refer to [Media File - Size and Formats](#) for more information on Idle screen resolutions and media files.

Register POS

Display

Description



REGISTER command sends a 4-digit code to the device. Enter this code to register the POS. Once registered, the POS should run the Test MAC command to confirm the pairing worked.

Line Items Screen

The Line Item Screen displays when the POS sends start transaction message or interactively as the POS scans line items.

Description

- Quantity
- Description
- Unit Price
- Extended Price
- Running Tax Total
- Running Sub Total (optional)
- Coupons or Discounts

Display

Items	
1 Baseball	\$5.98
4 Golf Balls \$.49	\$1.96
8 Golf Tees \$.25	\$2.00
Coupon Redeemed - (\$.75)	
Tax	\$.77
Total:	\$9.83

The Line Item Screen advertising area allows a number of images to be displayed in a sequential order.

Note

Refer to [Media File - Size and Formats](#) for more information on Line Item screen resolutions and media files.

Display

Description

 Tap, Insert or Swipe	Line Items			
	#1 Combo Meal	1	\$	5.00
#1 Combo Meal	1	\$	5.00	
EmpDisc		\$	2.00	
1OffAnyPurch		\$	1.00	
Discount				\$ 999,999.99
Sub Total				\$ 999,999.99
Tax				\$ 999,999.99
Total				\$ 999,999.99

Line Item (Split screen): Line Item Screen with advertisement area image. The Line Item Display advertising area can be configured to include consumer selection options.

Line Items				
#1 Combo Meal	1	\$	5.00	
#1 Combo Meal	1	\$	5.00	
EmpDisc		\$	2.00	
1OffAnyPurch		\$	1.00	
Discount			\$ 999,999.99	
Sub Total			\$ 999,999.99	
Tax			\$ 999,999.99	
Total			\$ 999,999.99	
Tap, Insert or Swipe				

Line Item (Full screen): Line Item Screen without advertisement area image.

Transaction Flows

Sale (EMV CT and CTLS with Quick chip enabled)

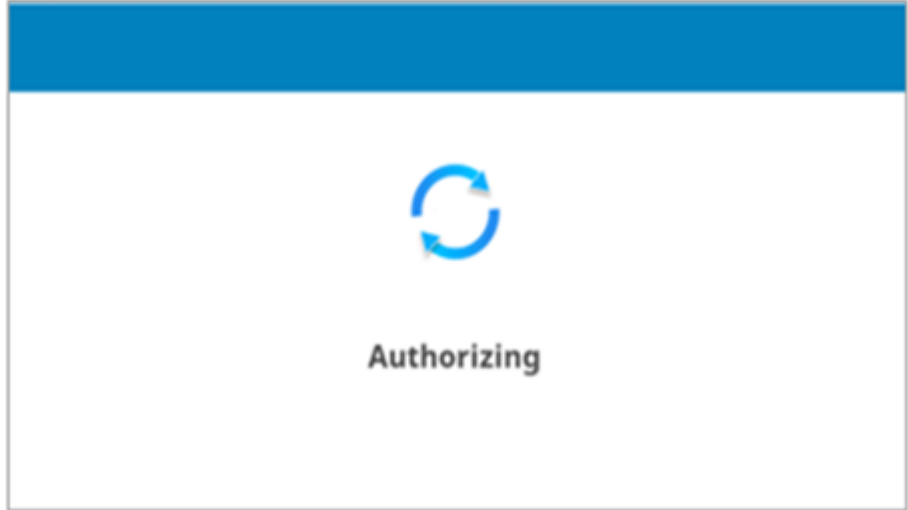
Sale - Tap

Display

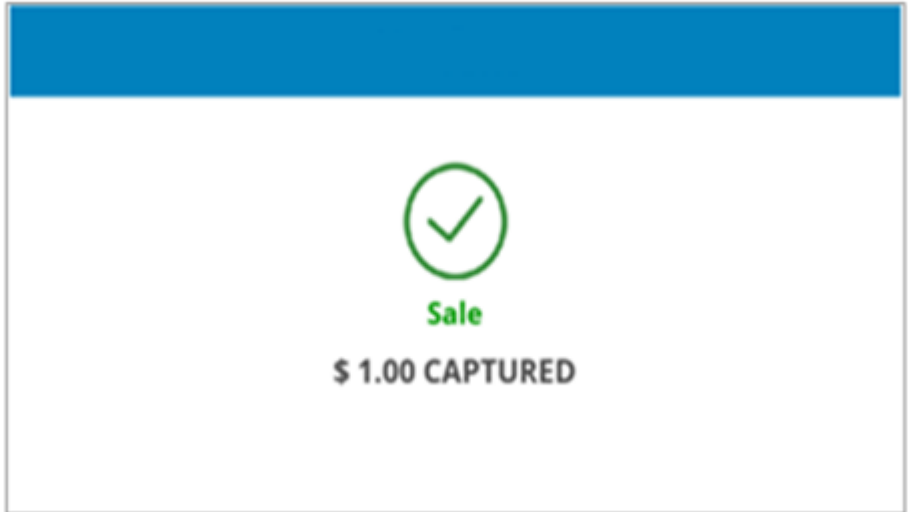
Description



Select the card entry mode: Tap



Authorization in progress screen.



Transaction is approved screen. After the transaction is complete, the device will return to the Idle Screen.

Sale - Insert

Display

Description

Tap, Insert or Swipe



Sale USD \$2.00

Select the card entry mode: Insert or Swipe.



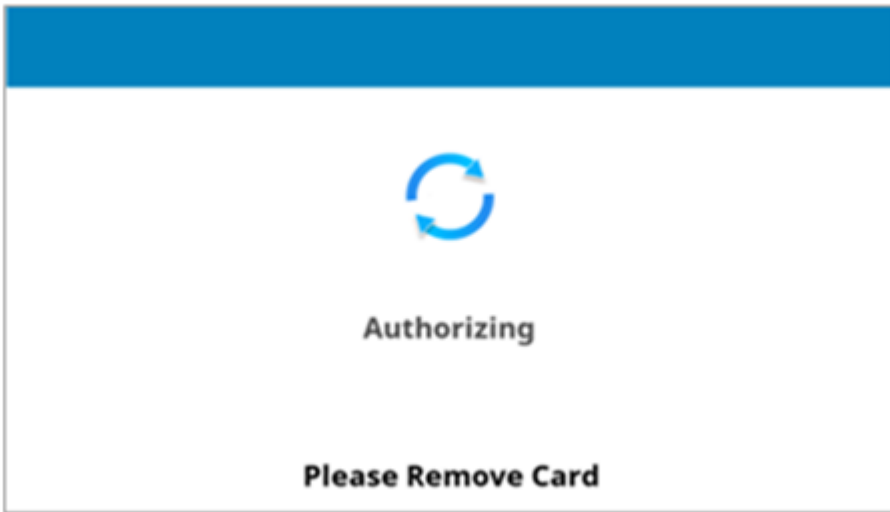
Processing... Please Keep Card Inserted

Processing screen and card should be inserted.

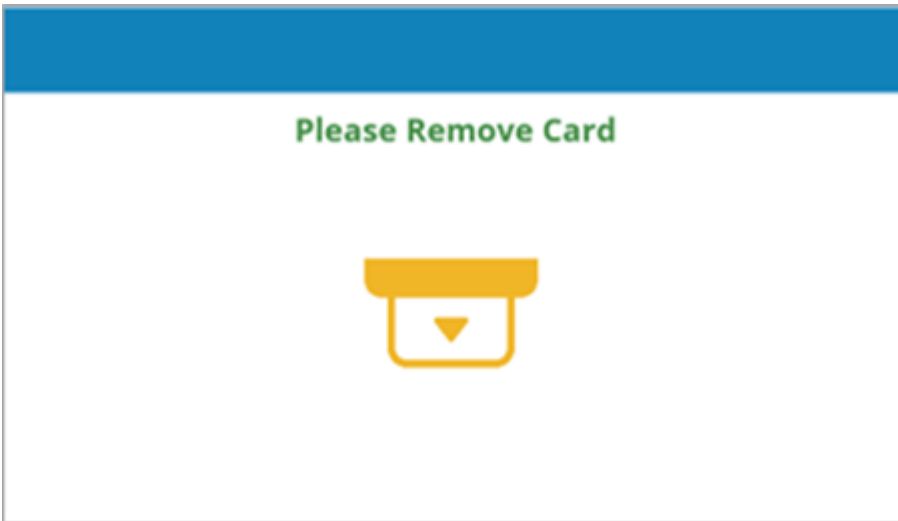
TOTAL \$ 2.00

Enter PIN Or Press Enter To Continue

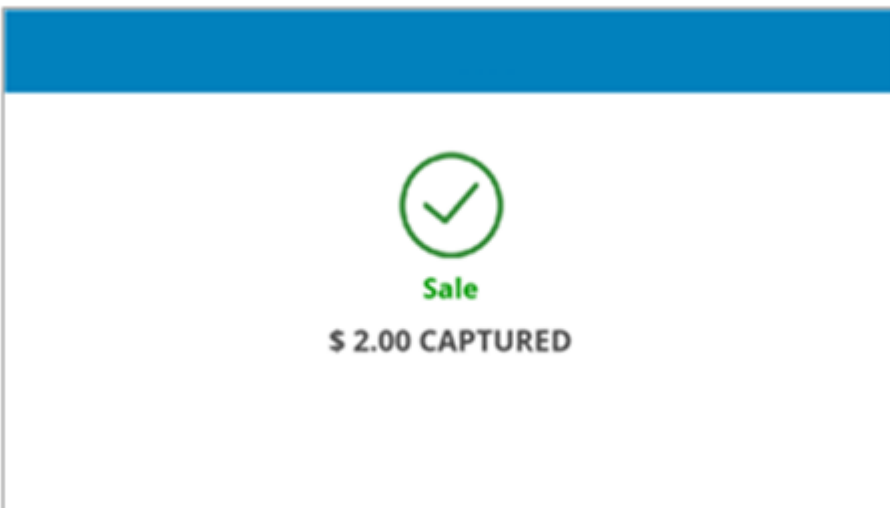
Tap the text box for keyboard input and type the PIN or press the Enter key to continue to next screen.



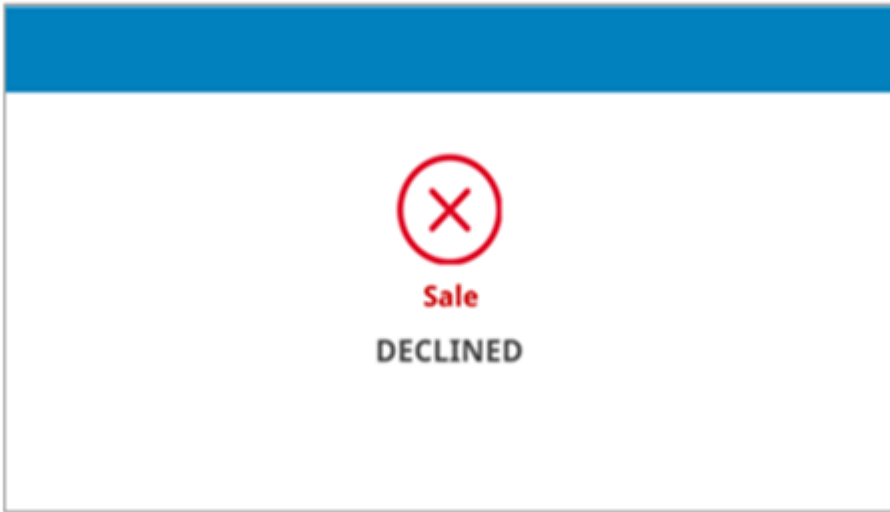
Authorization in progress screen.



The transaction is completed, and the card can be removed. After the card is removed the status screen is displayed, until the next command is sent.



This is the Status screen as Sale Approved.



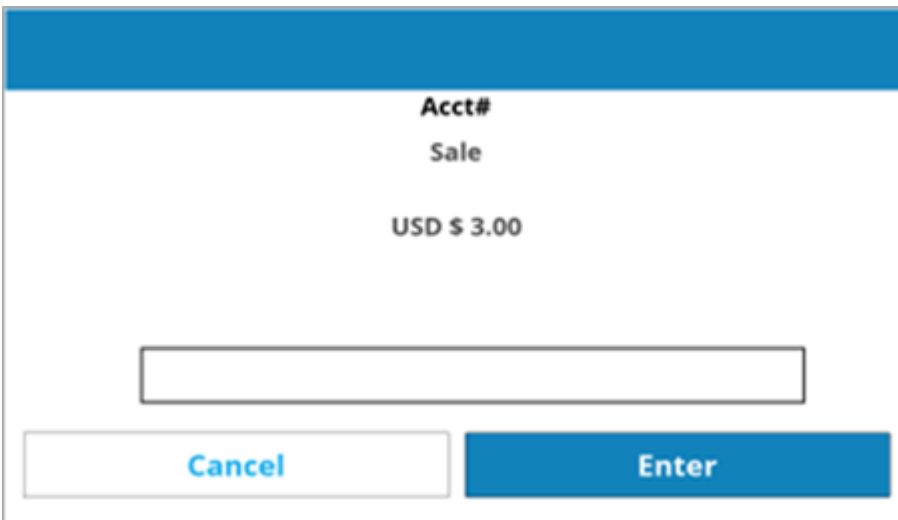
This is the Status screen as Sale Declined.

Sale - Manual Entry - For the transactions with manual card entry, following are the additional screens to gather card details.

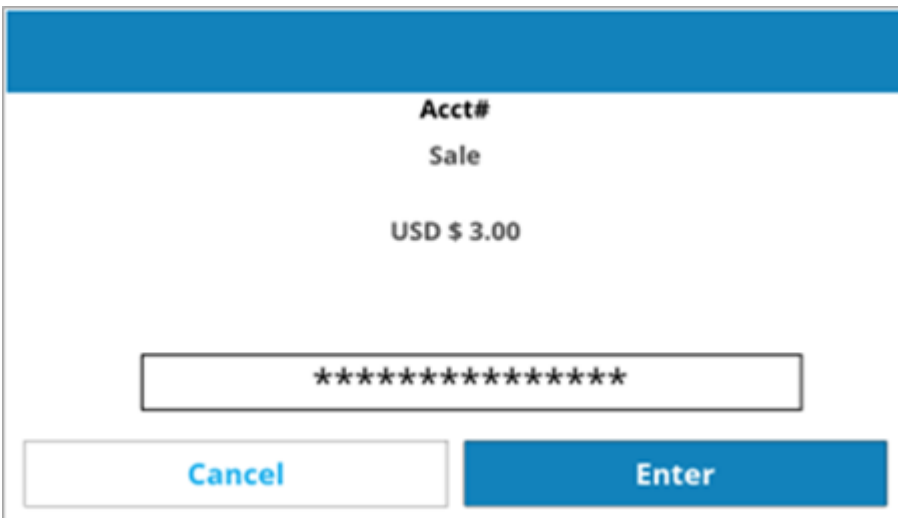
After three failed card swipe attempts, SCA will display 'Please Wait for the Cashier'. If the merchant configuration is enabled, then the device may next prompt for manual card entry.

Display

Description



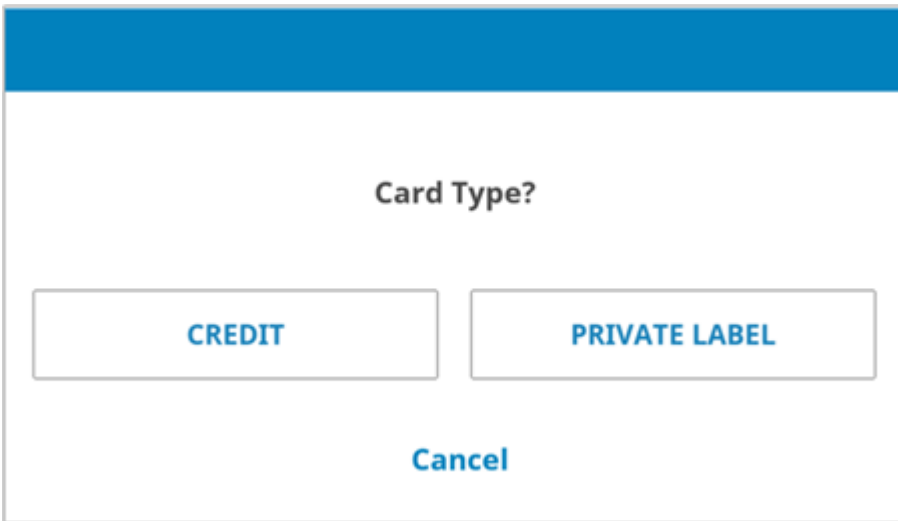
Tap the text box for keyboard input and type card number.



Press the green Enter key on the device keyboard to proceed to Card Type selection screen.

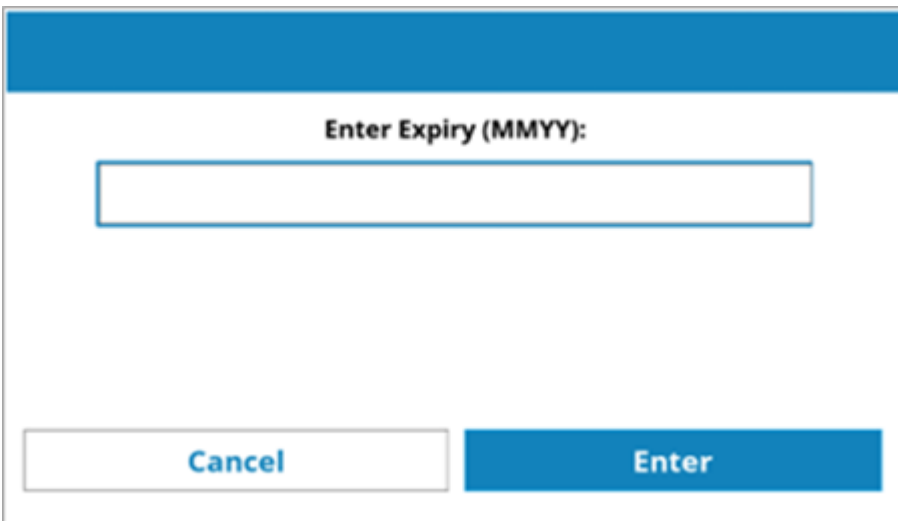
Display

Description




The screenshot shows a screen with a blue header bar. Below the header, the text "Card Type?" is centered. There are two buttons: "CREDIT" on the left and "PRIVATE LABEL" on the right. At the bottom center, there is a "Cancel" button.

Select the Card type and proceed to next screen.



The screenshot shows a screen with a blue header bar. Below the header, the text "Enter Expiry (MMYY):" is centered. There is a text input field below the text. At the bottom, there are two buttons: "Cancel" on the left and "Enter" on the right.

Tap the text box for keyboard input and type the expiration date in MMY format. Press the green Enter key on the device keyboard. The device will next prompt for CVV Number.



The screenshot shows a screen with a blue header bar. Below the header, the text "Enter CVV:" is centered. There is a text input field below the text. At the bottom, there are two buttons: "Cancel" on the left and "Enter" on the right.

Tap the text box for keyboard input and type the Security Code. Press the green Enter key on the device keyboard.

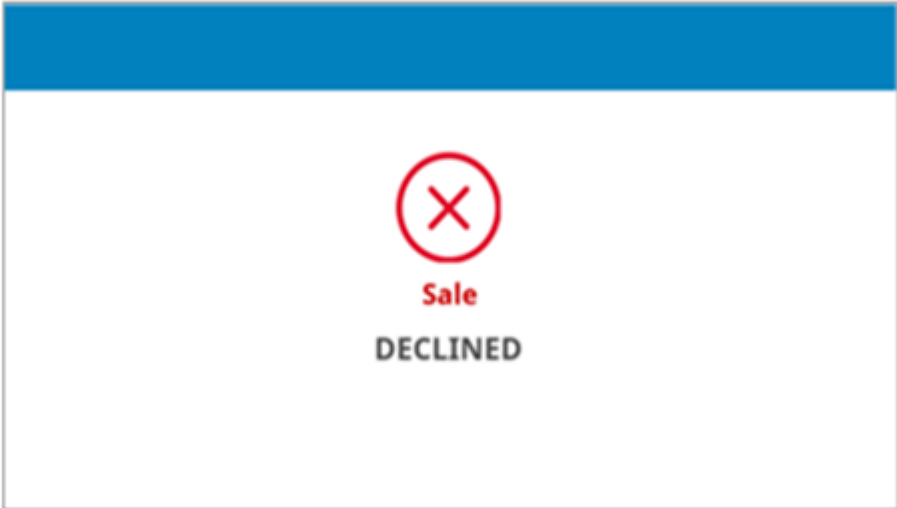
Additional Sale Screens

Display

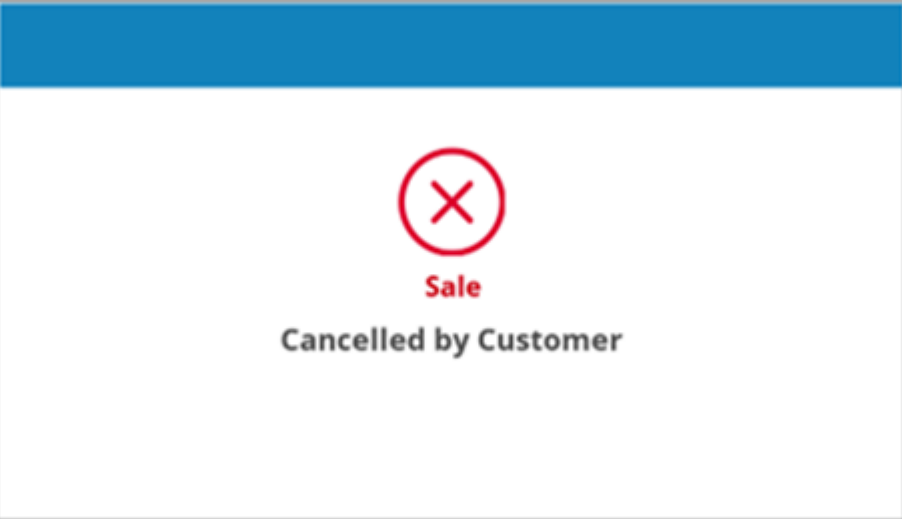
Description



This is the Card Read screen with payment brands.



Cancel by Customer - This screen will be displayed if the transaction is cancelled manually at any point.



Cancel by Timeout - This is the Status screen if the Sale is cancelled due to Time out.

Refund

Refund - Tap

Display

Description

Tap, Insert or Swipe



Select the card entry mode: Tap

Refund USD \$1.00



Authorization in progress screen.

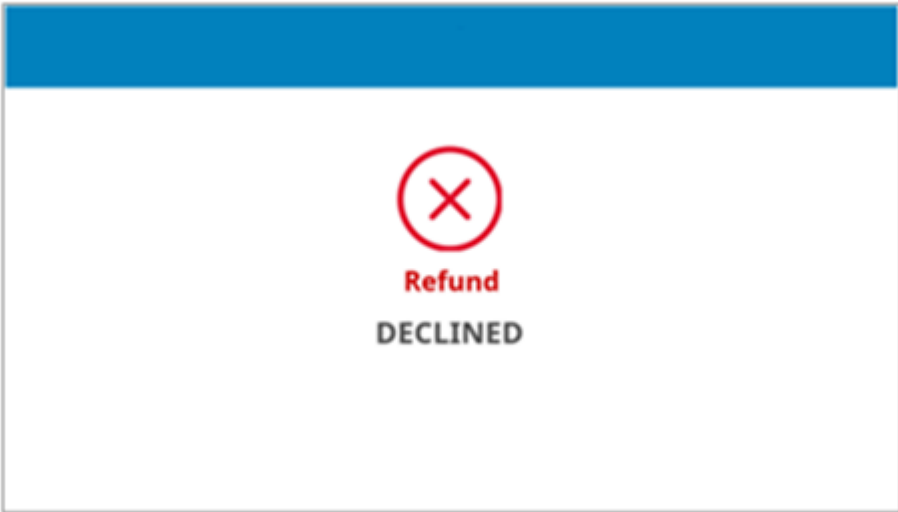
Authorizing



Transaction is approved screen. After the transaction is complete, the device will return to the Idle Screen.

Refund

\$ 1.00 CAPTURED

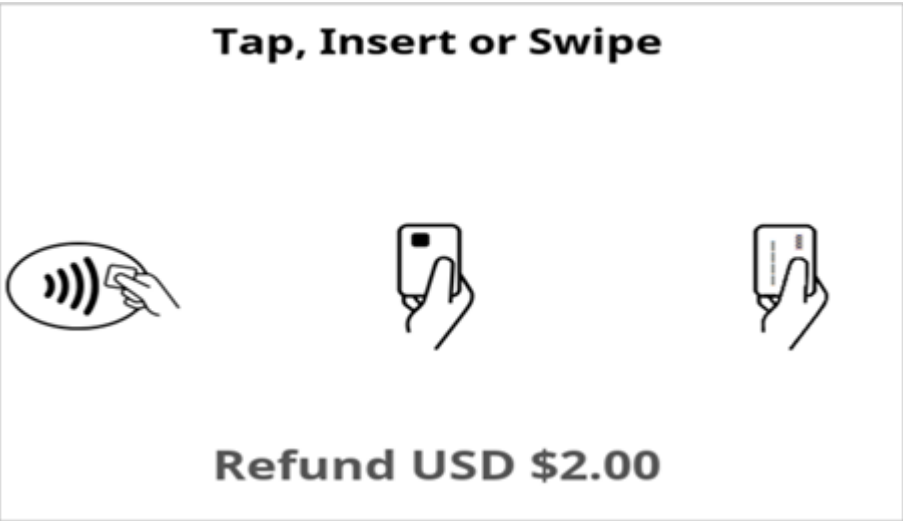


This is the status screen as Refund Declined if the transaction is not approved.

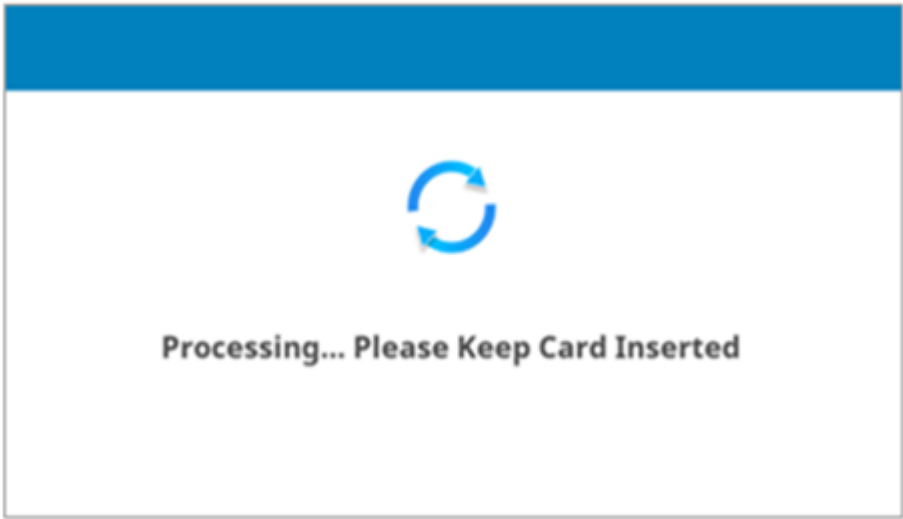
Refund - Insert

Display

Description



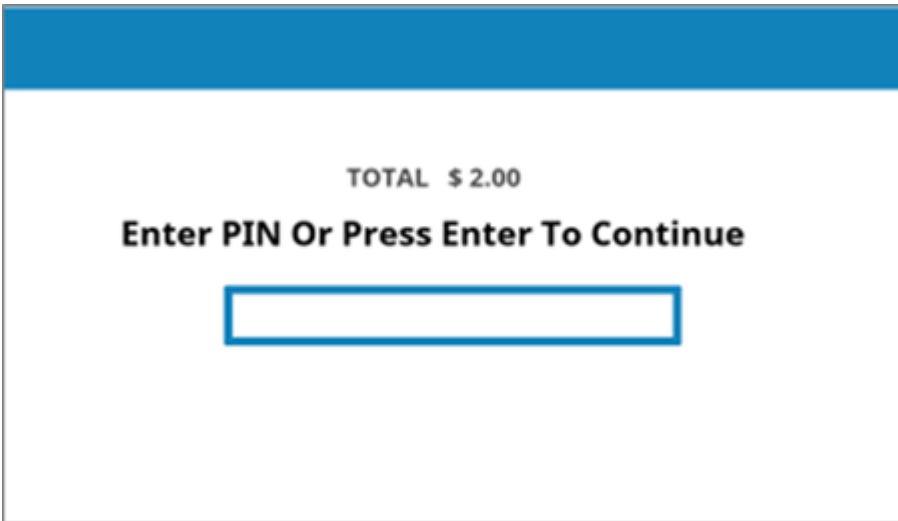
Select the card entry mode: Insert or Swipe.



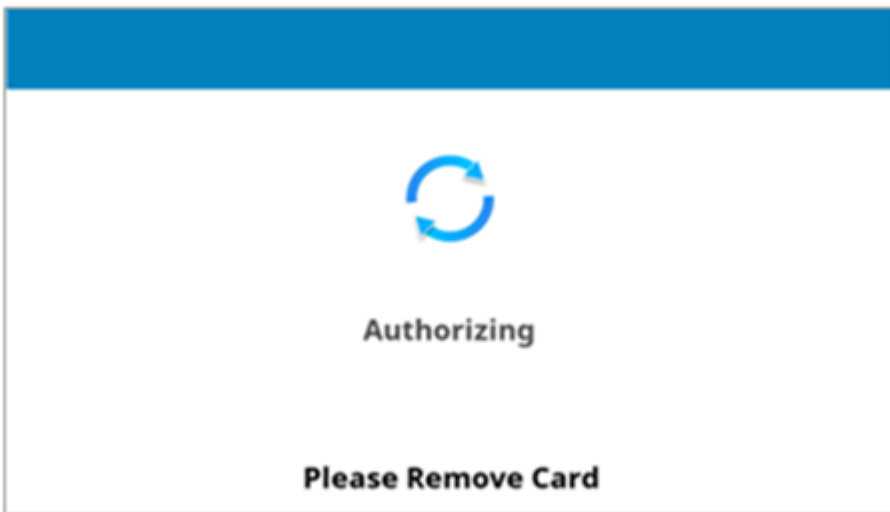
Processing screen and card should be inserted.

Display

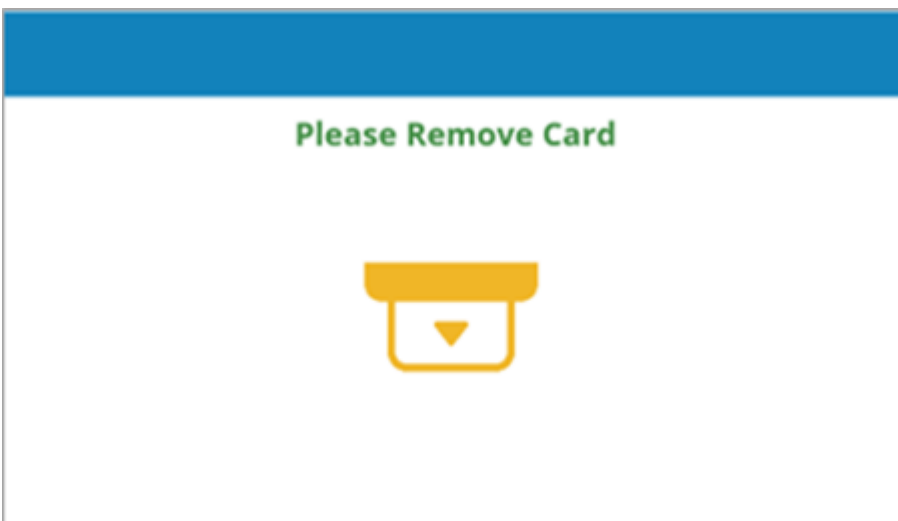
Description



Tap the text box for keyboard input and type the PIN or press the Enter key to continue to next screen.



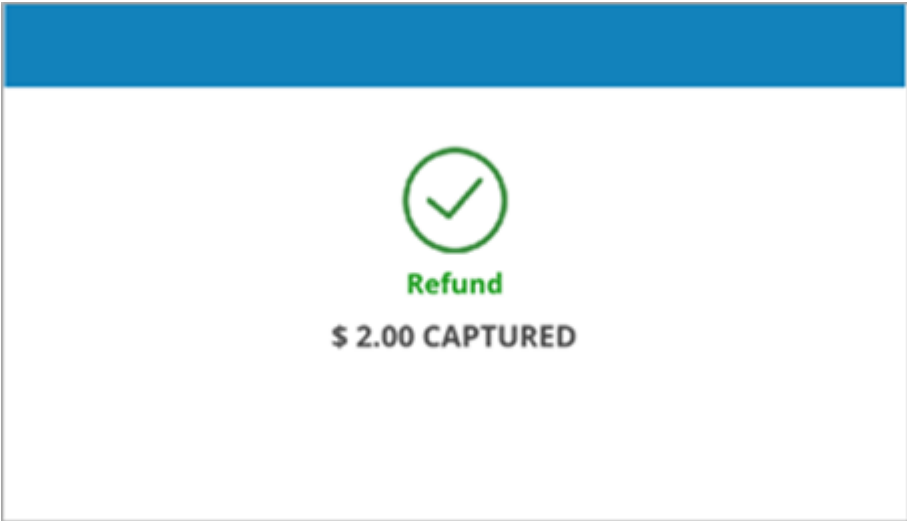
Authorization is in progress screen.



The transaction is completed, and the card can be removed. After the card is removed the status screen is displayed, until the next command is sent.

Display

Description

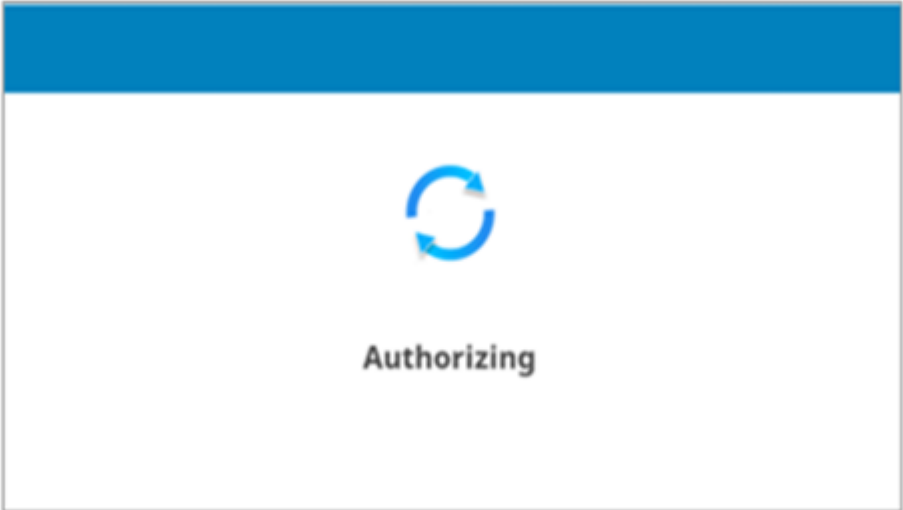


This is the Status screen as Refund Approved.

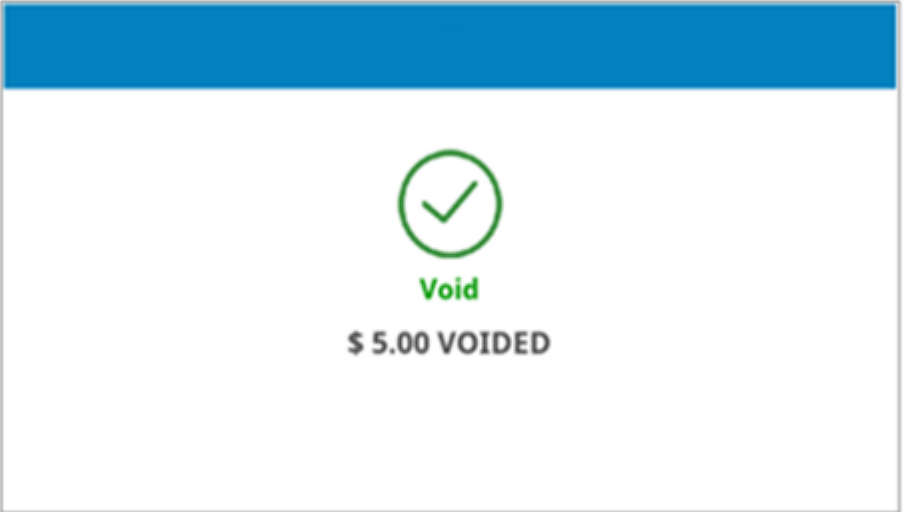
Void

Display

Description

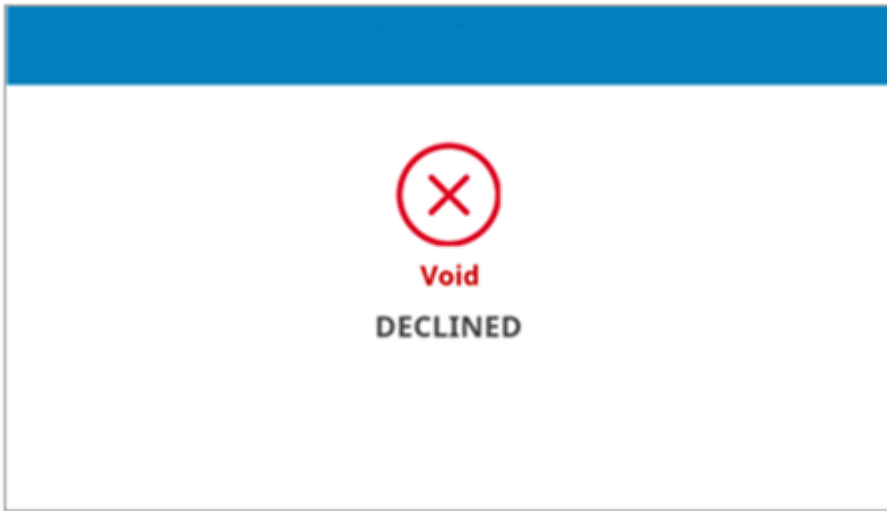


Void transaction is processed, and authorization is in progress screen.



This is the Status screen as Voided (success).

Display



Description

Void declined status screen.

Optional Screens

Optional Screens are displayed during the Sale flow and these screens can be configured based on required parameters.

Welcome Screen

Display



Description

This is the screen within the session when LINEITEMDISPLAY parameter should be set to 0 (disabled) and pre-swipe (SWIPE_AHEAD) field should be sent as 0 (disabled) in Start session command.

Display

Description

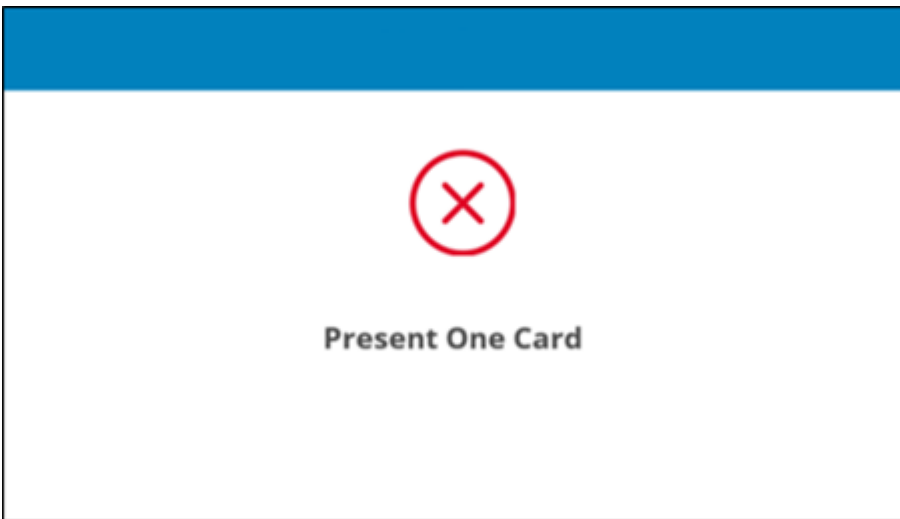


This is the Welcome screen with Card read option.

Split Tender

Display

Description



Option to choose if the amount would be divided to two cards.

- Select No to enter the partial amount to pay.
- Select Yes to pay full amount in one card, and Card Read screen would be displayed.

Cash Back

Display

Description

Cash Back?

Select any Cashback amount or No Cash Back option. This selection will prompt for Enter PIN screen. If Other option selected, then Enter Cash Back screen will be prompt.

Enter Cash Back

0

Enter the cashback amount and press OK.

TOTAL \$ 4.00

Enter PIN

Enter the PIN and press Enter key to prompt for Card Entry screen.

Card Type/Payment Type Selection

Display

Description

Card Type?

Select the card type.

Tip Selection

Display

Select a Tip Amount
TOTAL \$ 200.00

Tip

Description

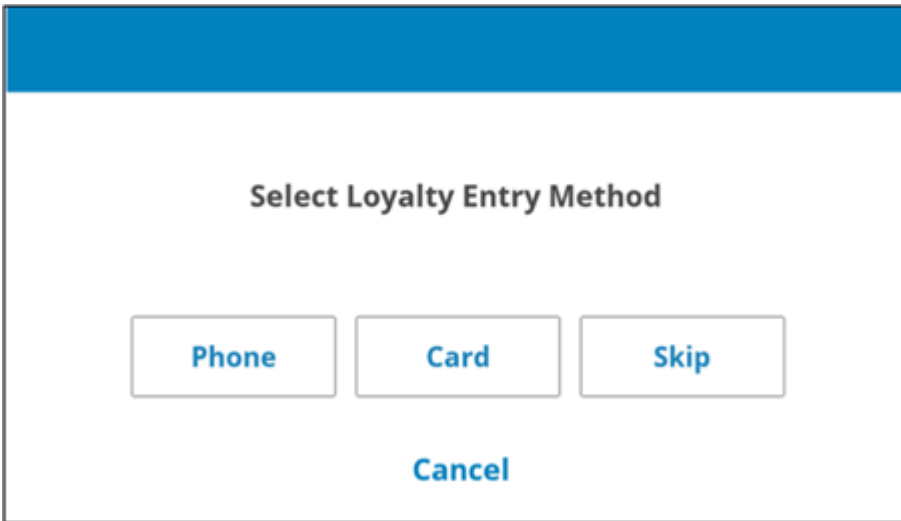
Select any predefined Tip amount.

Custom Tip: If selected Custom option in Tip Amount screen, then tap the text box to enter the Tip amount and press OK or Enter key.

Loyalty Entry Method

Display

Description



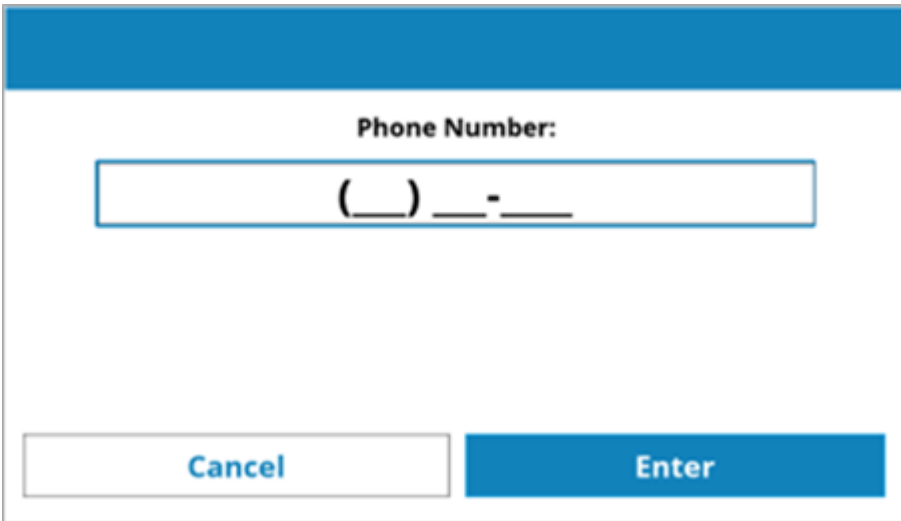
The screenshot shows a white screen with a blue header bar. The title "Select Loyalty Entry Method" is centered. Below the title are three buttons: "Phone", "Card", and "Skip", each in a white box with a blue border. At the bottom center is a "Cancel" button in a white box with a blue border.

Select **Phone** option to enter phone number or select **Card** option to go to Loyalty Card for card swipe or entering account number. Select **Skip** if Loyalty Entry Method is not required.

Phone Number

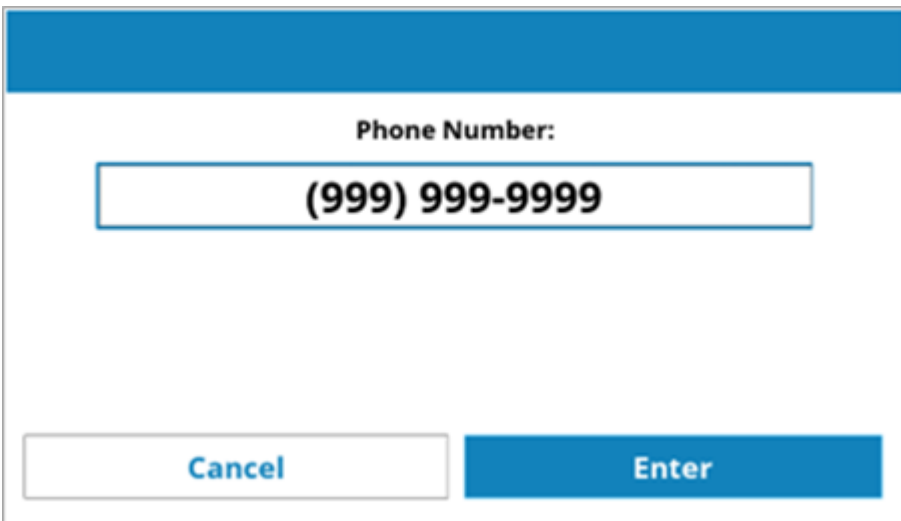
Display

Description



The screenshot shows a white screen with a blue header bar. The title "Phone Number:" is centered. Below the title is a text input field containing "() - ". At the bottom are two buttons: "Cancel" in a white box with a blue border and "Enter" in a blue box.

Tap the text box for keyboard input and type the phone number.

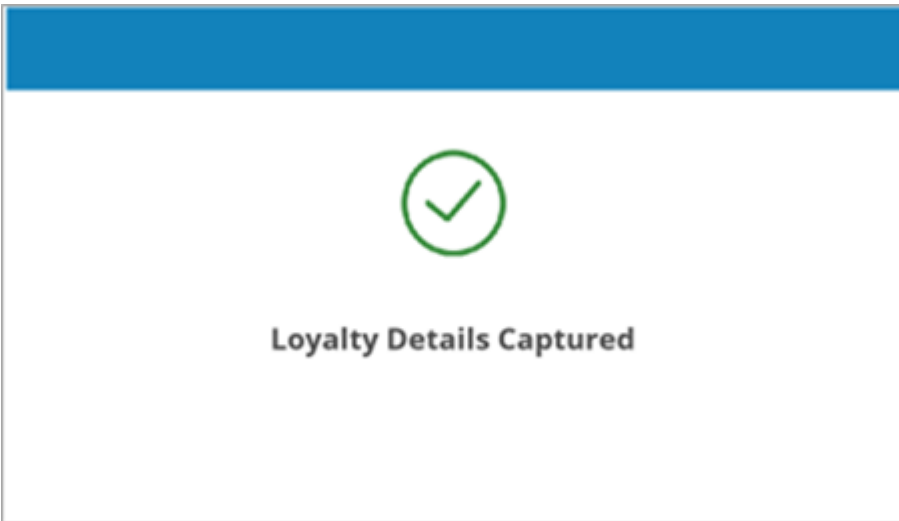


The screenshot shows a white screen with a blue header bar. The title "Phone Number:" is centered. Below the title is a text input field containing "(999) 999-9999". At the bottom are two buttons: "Cancel" in a white box with a blue border and "Enter" in a blue box.

Press Enter to process.

Display

Description

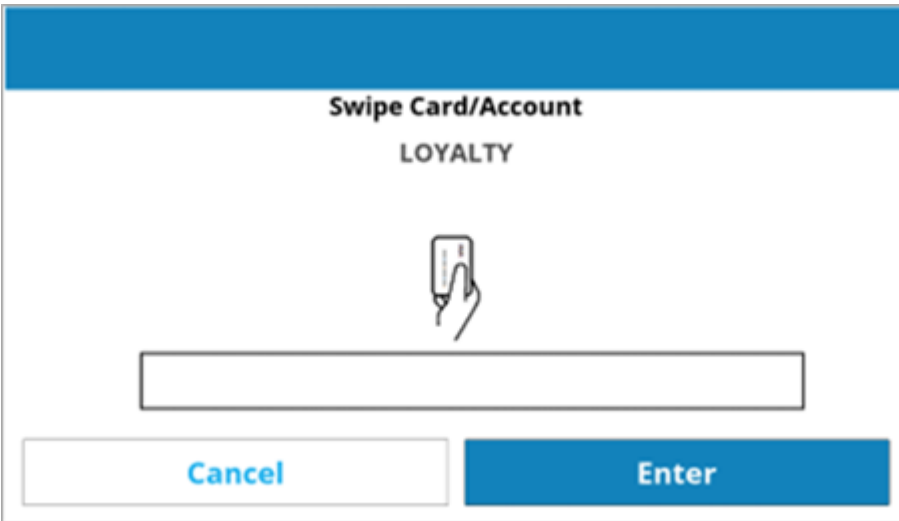


Status screen as Loyalty details captured.

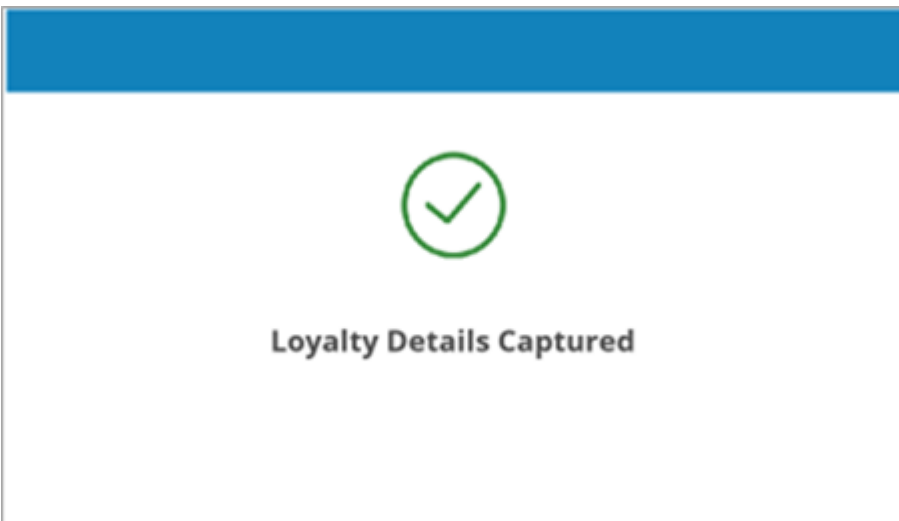
Loyalty Card

Display

Description



Tap the text box for keyboard input to type the account number or Swipe the card.



Status screen as Loyalty details captured.

Device Command Screens

Display

Description

Donation

WOULD YOU LIKE TO CONTRIIBUTE TO XYZ FOUNDATIONS TODAY?

\$5.00 \$10.00 \$15.00

Skip

Charity Donation.

WOULD YOU LIKE TO SIGN UP FOR EMAIL COUPONS

No Yes

Customer Question.

PLEASE SELECT THE COMPANY YOU HAVE WORKED IN YOUR CAREER IN INDIA.

WORLD MARKETING VERIFONE FIRSDATA

TSYS WIPRO GIRMITI

Customer Button.

Display

Description

HOW WOULD YOU RATE YOUR SERVICE TODAY WITH 5 BEING BEST AND 1 BEING WORST

1 2 3 4 5

Customer survey 5.

HOW WOULD YOU RATE YOUR SERVICE TODAY WITH 10 BEING BEST AND 1 BEING WORST

1 2 3 4 5

6 7 8 9 10

Customer survey 10.

PLEASE ENTER YOUR NAME

DAVID

Q W E R T Y U I O P
A S D F G H J K L
CAP Z X C V B N M 
Cancel 123 Space .#*

Credit Application - Tap the text box for keyboard input to type the name.

Display

Description

PLEASE ENTER YOUR PHONE NUMBER

() -

Cancel Enter

Credit Application - Tap the text box for keyboard input to type the phone number.

PLEASE ENTER YOUR PHONE NUMBER

(999)999-9999

Cancel Enter

Credit Application - Once the number is added then press Enter.

PLEASE ENTER YOUR GROSS INCOME

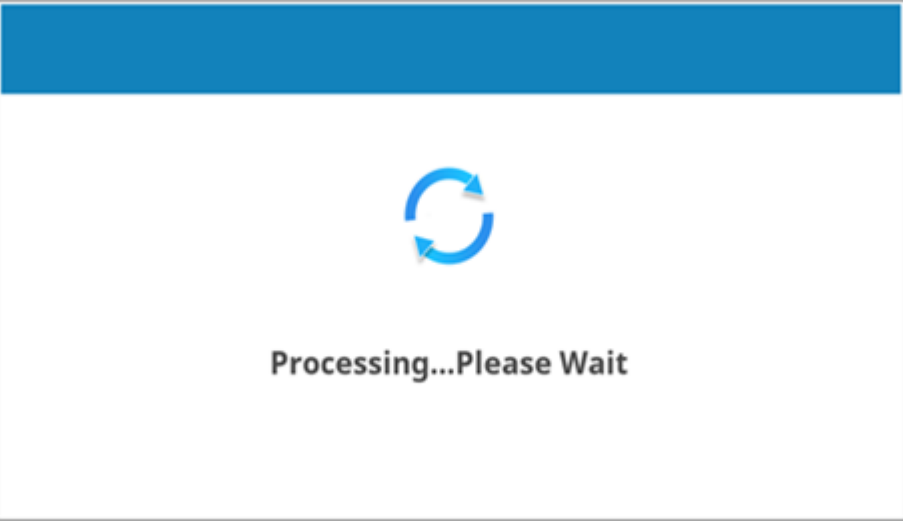
\$ 25555.55

Cancel Enter

Credit Application - Tap the text box for keyboard input to type the gross income and press Enter to confirm and the data will be processed as shown below.

Display

Description



Processing...Please Wait

Credit Application - Details processing.

<ul style="list-style-type: none"> <input type="checkbox"/> Buy 1 Get 1 on Pizzas <input type="checkbox"/> Get 30% Discount <input type="checkbox"/> Pay using Visa Card <input type="checkbox"/> Sunday Special <input type="checkbox"/> Holiday Gift <input type="checkbox"/> Special Snacks <input type="checkbox"/> Offers on Cookies <input type="checkbox"/> Pay using Private Card <input type="checkbox"/> Sleepwell Beds <input type="checkbox"/> Get Pedigrees for Free <p><input type="button" value="Cancel"/> <input type="button" value="APPLY"/></p>	<p style="text-align: center;">Line Items</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;"></td> <td style="width: 20%;"></td> </tr> <tr> <td style="background-color: #e6f2ff;">Tax</td> <td style="text-align: right;">\$ 0.00</td> </tr> <tr> <td style="background-color: #e6f2ff;">Total</td> <td style="text-align: right;">\$ 0.00</td> </tr> </table>			Tax	\$ 0.00	Total	\$ 0.00
Tax	\$ 0.00						
Total	\$ 0.00						

Display left panel.

<p>Ask us about upcoming sales!</p> <p style="text-align: center;">Tap, Insert or Swipe</p>	<p style="text-align: center;">Line Items</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;"></td> <td style="width: 20%;"></td> </tr> <tr> <td style="background-color: #e6f2ff;">Tax</td> <td style="text-align: right;">\$ 0.00</td> </tr> <tr> <td style="background-color: #e6f2ff;">Total</td> <td style="text-align: right;">\$ 0.00</td> </tr> </table>			Tax	\$ 0.00	Total	\$ 0.00
Tax	\$ 0.00						
Total	\$ 0.00						

Display

Description

What factors are important to you when buying a Verifone product?

- Price
- Usability
- Features
- Support
- Software update
- Services

Check box.

WELCOME TO VERIFONE

Display message.

Enter E-Mail Address

< | >

1 2 3 4 5 6 7 8 9 0
q w e r t y u i o p
a s d f g h j k l
@ z x c v b n m .com
. - _ ☒ Space Cancel Submit

Enter the Email address.

Display

Description



Enter E-Mail Address

abc@email.com

1 2 3 4 5 6 7 8 9 0

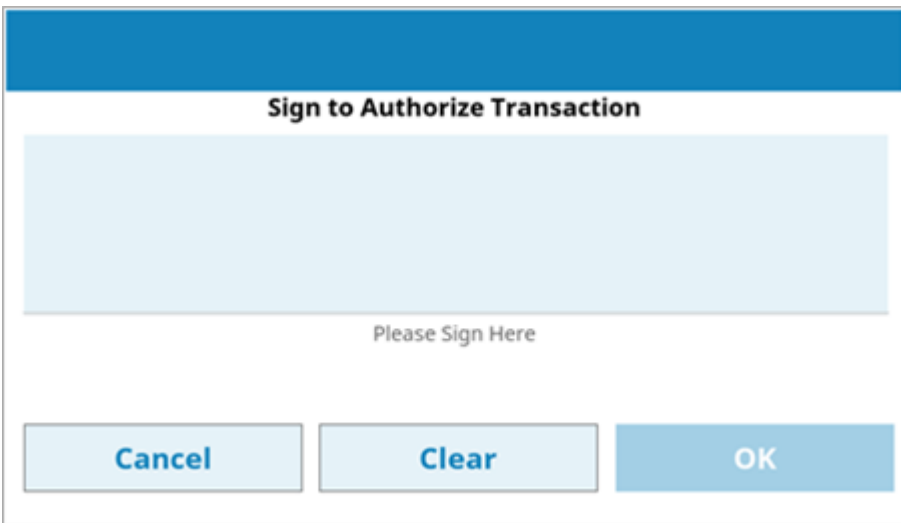
q w e r t y u i o p

a s d f g h j k l

@ z x c v b n m .com

. - _  Space Cancel Submit

Press Ok or Enter.

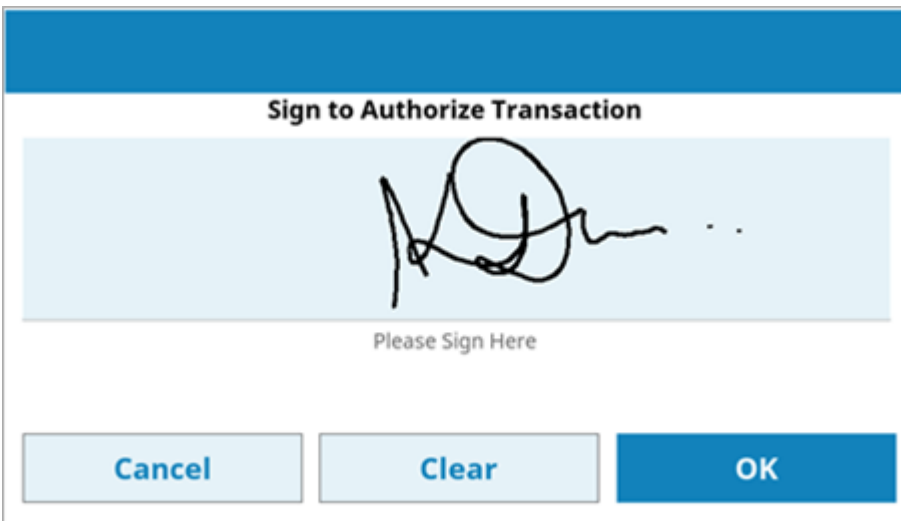


Sign to Authorize Transaction

Please Sign Here

Cancel Clear OK

Signature Extended



Sign to Authorize Transaction

Please Sign Here

Cancel Clear OK

Signature captured.