



[https://verifone.cloud/docs/sca-functional-specification/media\\_specifictn/ui\\_neo\\_device/disp\\_scrn\\_ui\\_neo\\_devc\\_m450\\_425](https://verifone.cloud/docs/sca-functional-specification/media_specifictn/ui_neo_device/disp_scrn_ui_neo_devc_m450_425)

Updated: 23-Jun-2025

## M450/M425 - User Interface

### 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 [Neo/Neo2 Devices Screen Resolution](#) for more information on Idle screen resolutions and media files.

### Line Items Screen

The Line Item Screen displays when the POS sends start transaction message or interactively as the POS scans line items. The key line item display fields are:

**Description**

**Display**

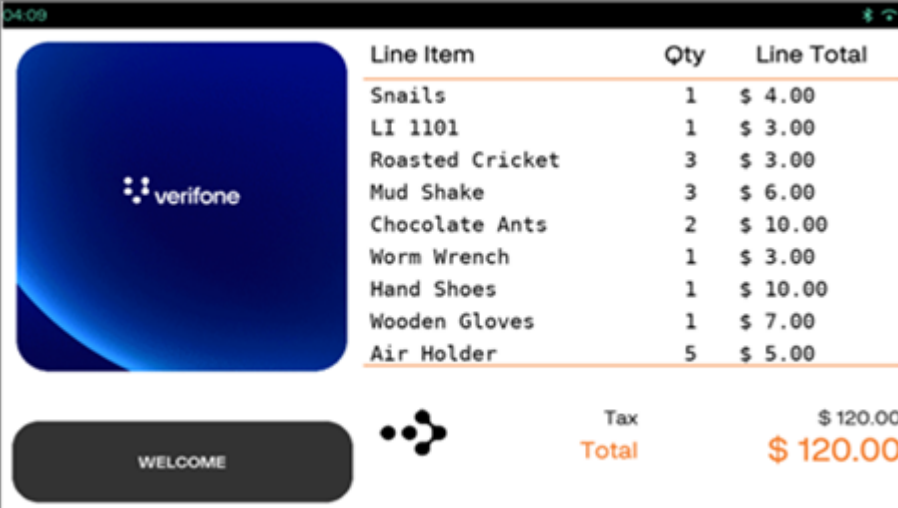
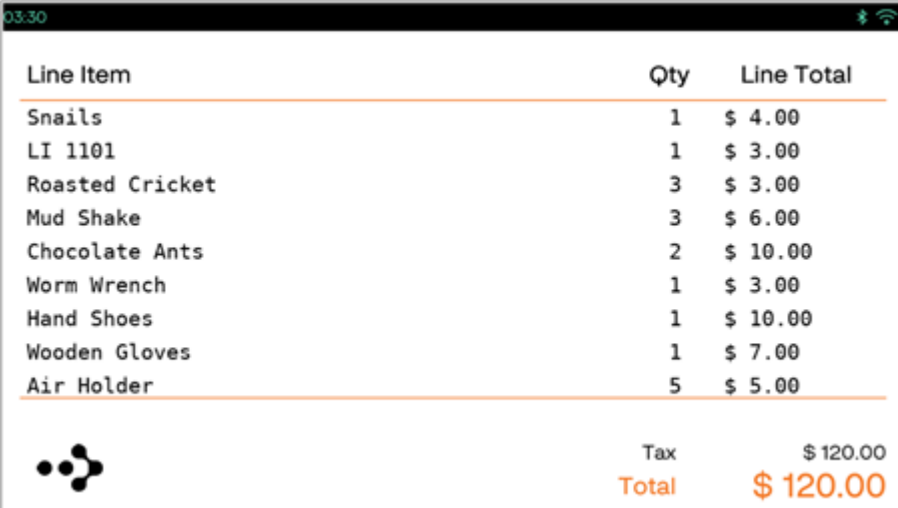
- Quantity
- Description
- Unit Price
- Extended Price
- Running Tax Total
- Running Sub Total (optional)
- Coupons or Discounts

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

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

Note

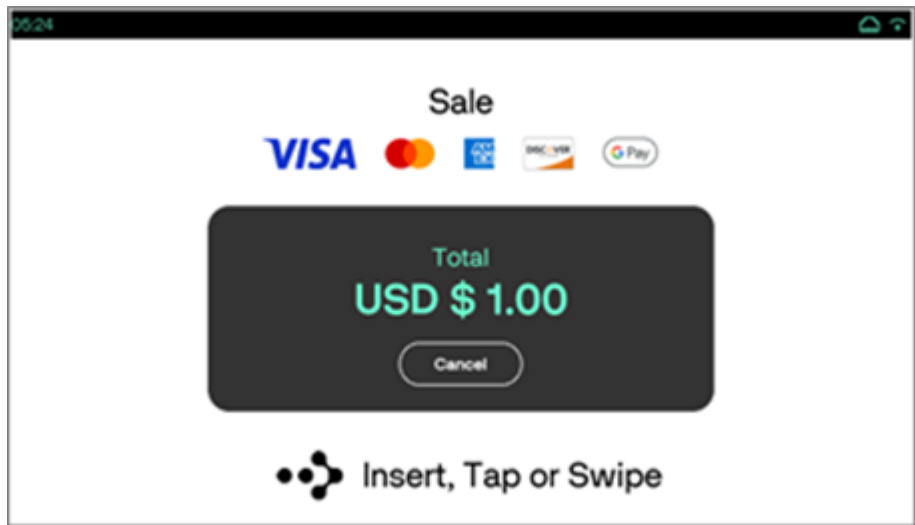
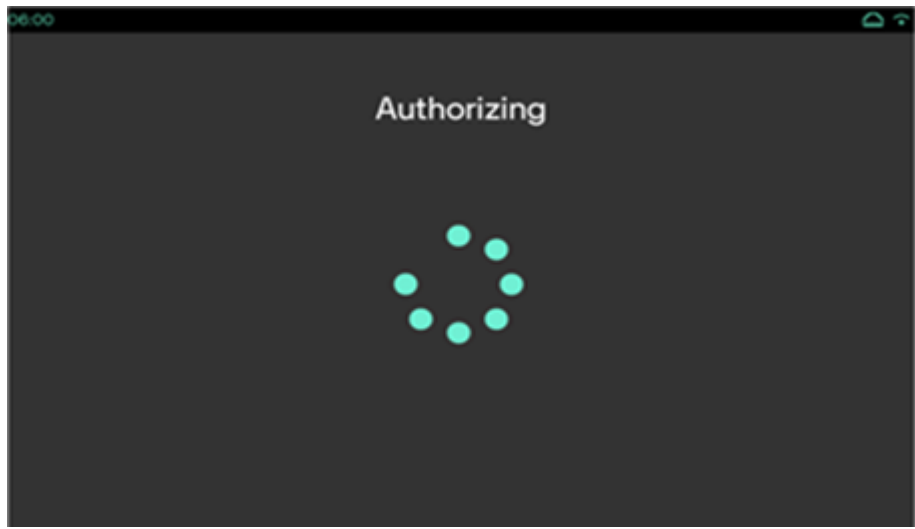
Refer to [Neo/Neo2 Devices Screen Resolution](#) for more information on Line Item screen resolutions and media files.

Display		Description	
		<p><b>Line Item (Split screen):</b> Line Item Screen with advertisement area image. The Line Item Display advertising area can be configured to include consumer selection options.</p>	
		<p><b>Line Item (Full screen):</b> Line Item Screen without advertisement area image.</p>	

Transaction Flows

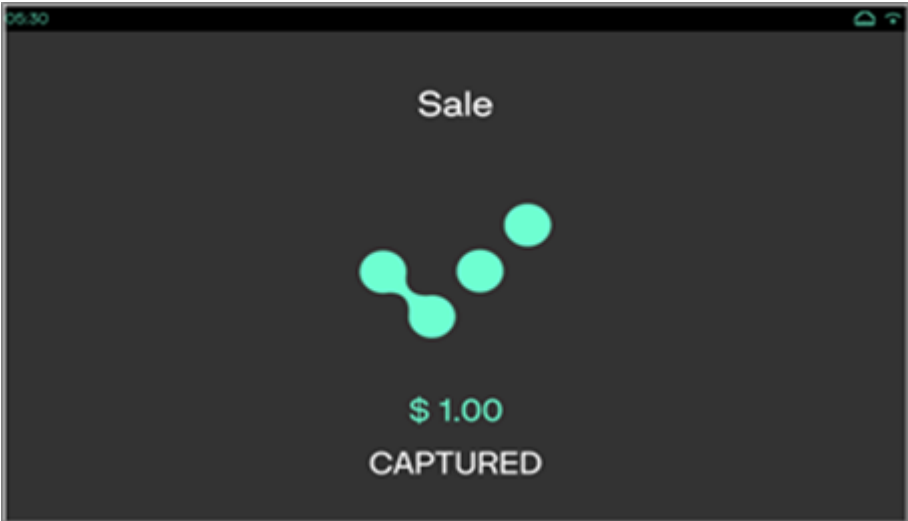
Sale (EMV CT and CTLS with Quick chip enabled)

Sale - Tap

Display	Description
	Select the card entry mode: Tap
	Authorization in progress screen.

**Display**

**Description**

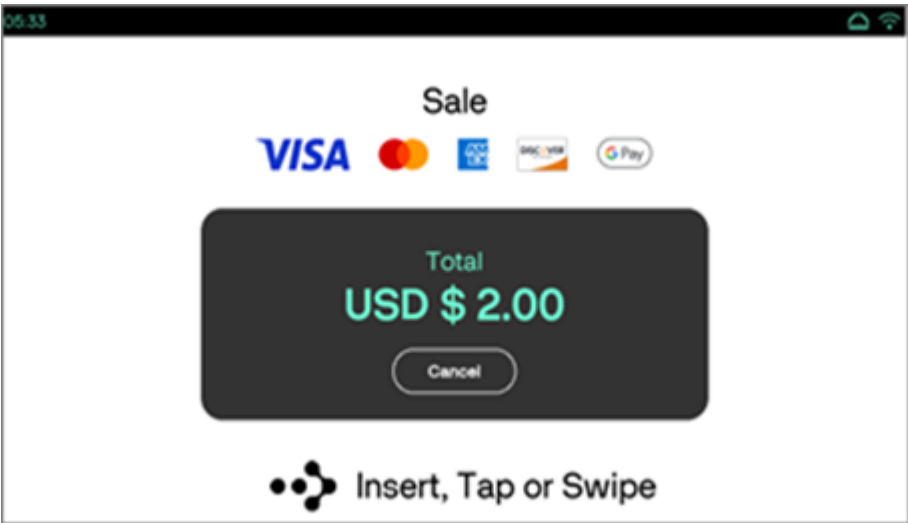


Transaction is approved screen. After the transaction is complete, the device will return to the Idle Screen.

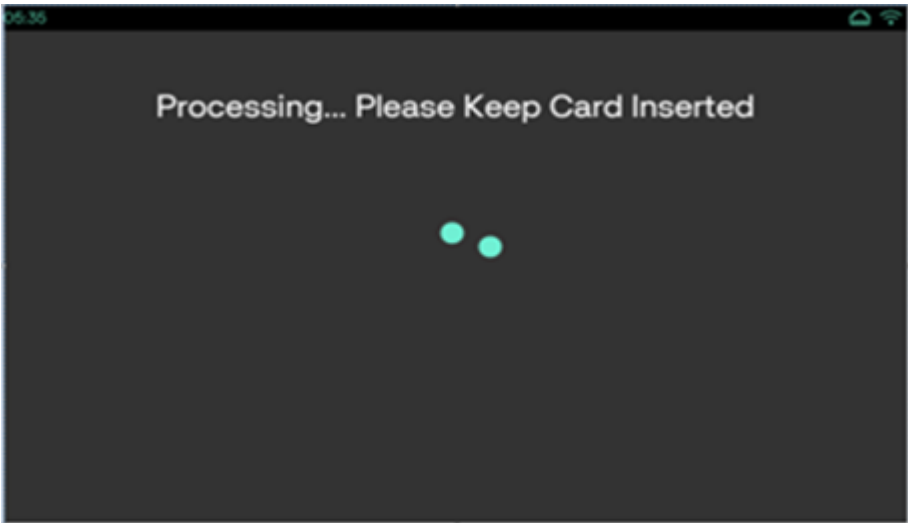
**Sale - Insert**

**Display**

**Description**



Select the card entry mode: Insert or Swipe.



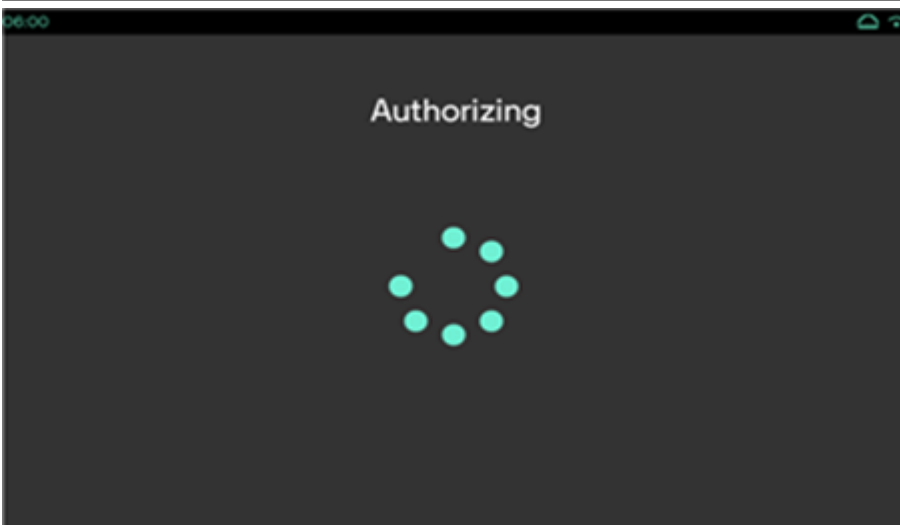
Processing screen and card should be inserted.

## Display

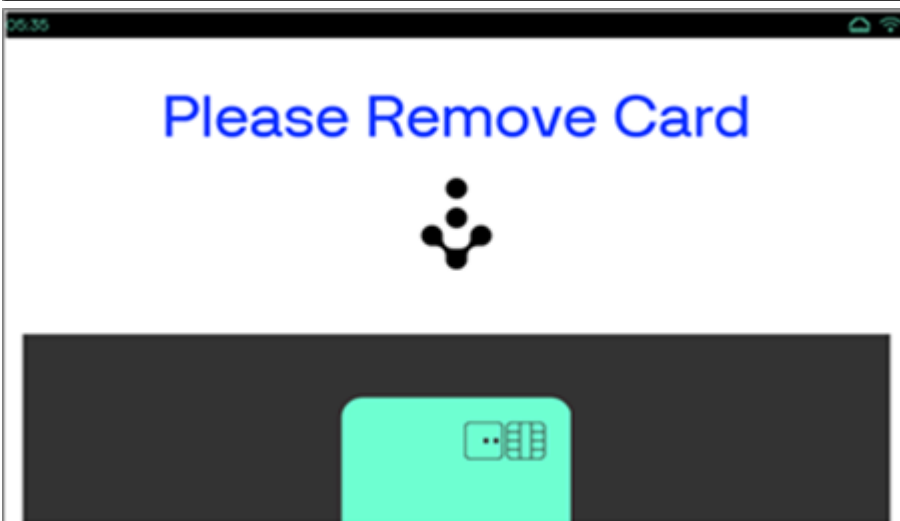
## Description



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



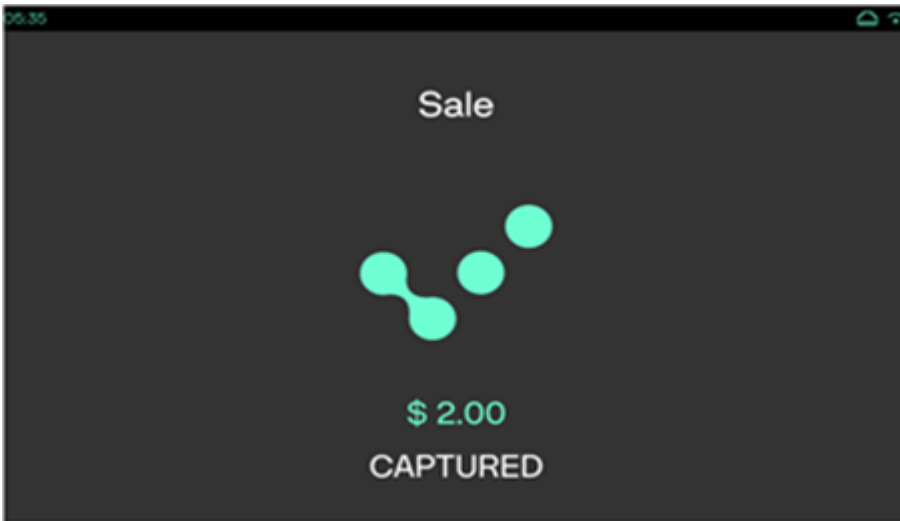
Authorization in progress screen.



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 Sale Approved.

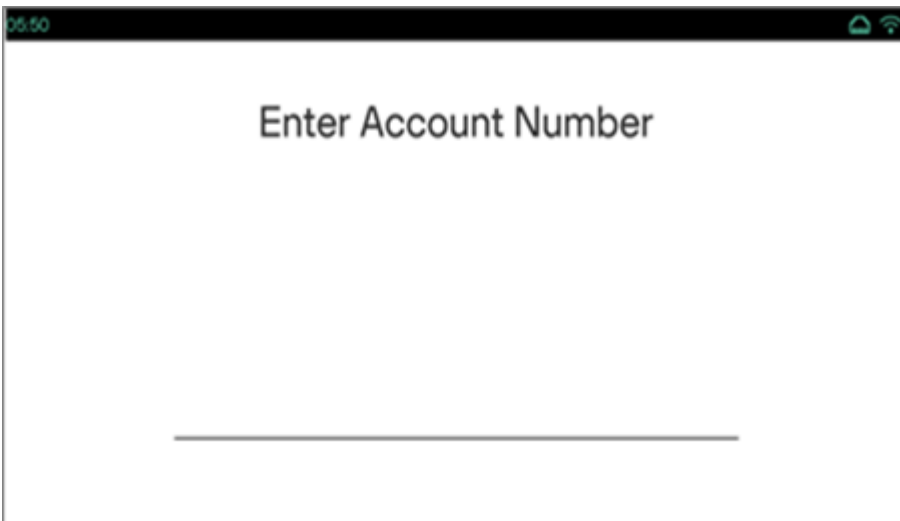
### Additional Sale Screens

**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

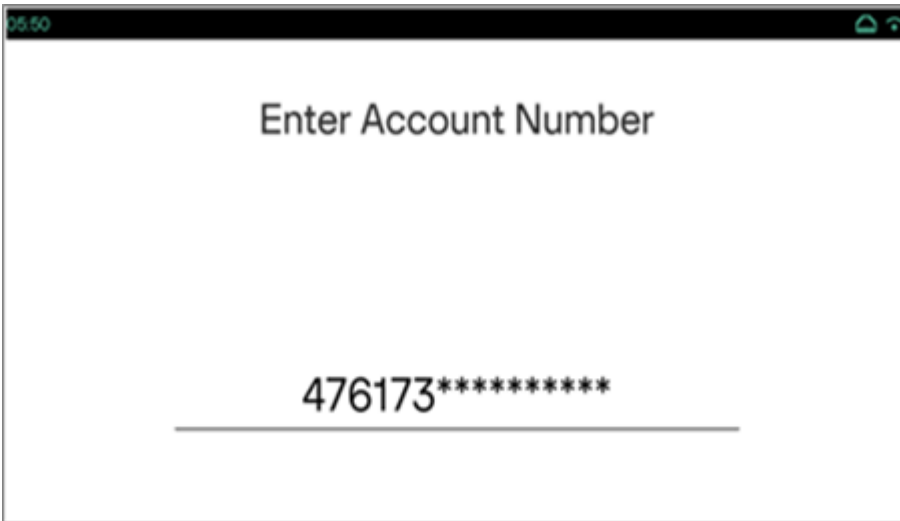
### Description



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

## Display

## Description



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



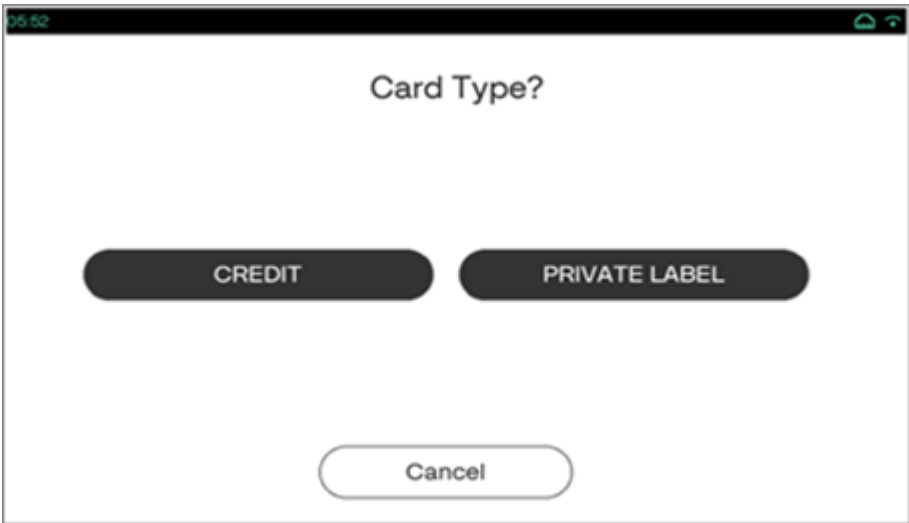
Tap the text box for keyboard input and type the expiration date in MMYY format. Press the green Enter key on the device keyboard. The device will next prompt for CVV Number.



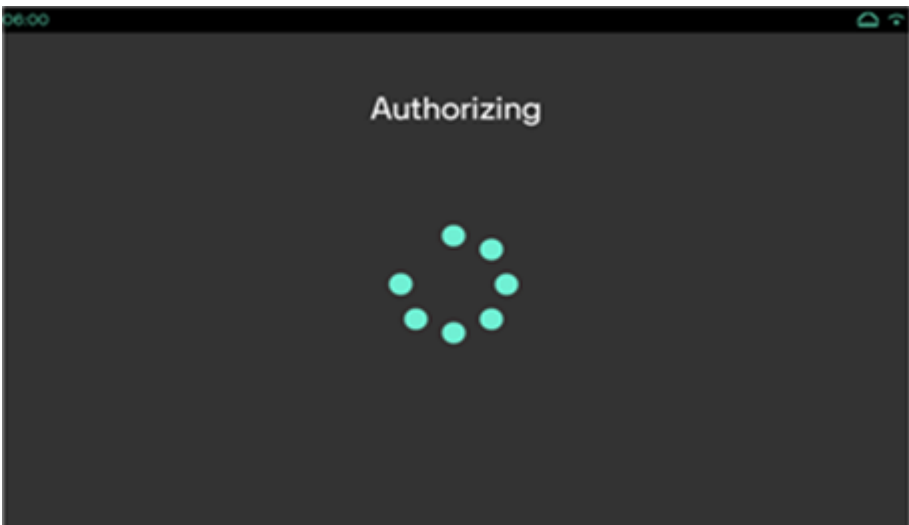
Tap the text box for keyboard input and type the Security Code. Press the green Enter key on the device keyboard.

Display

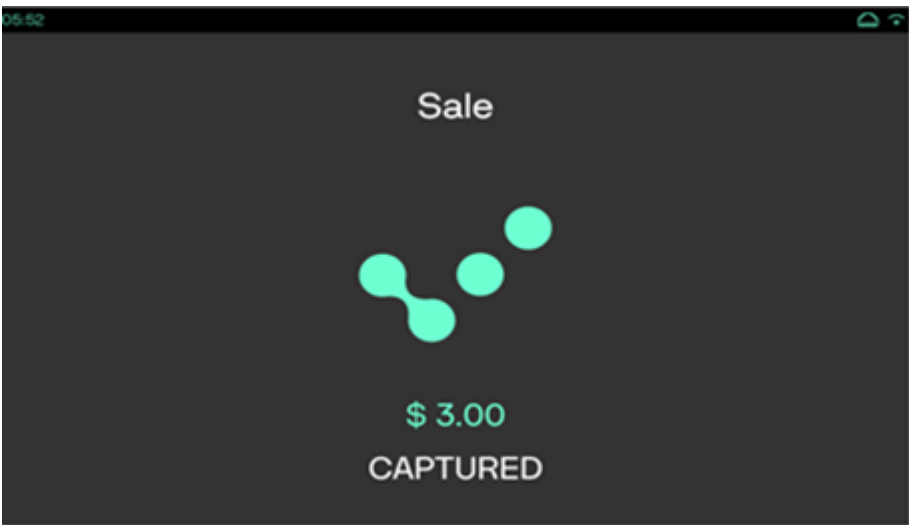
Description



Select the Card type and proceed to next screen.



Authorization in progress screen.

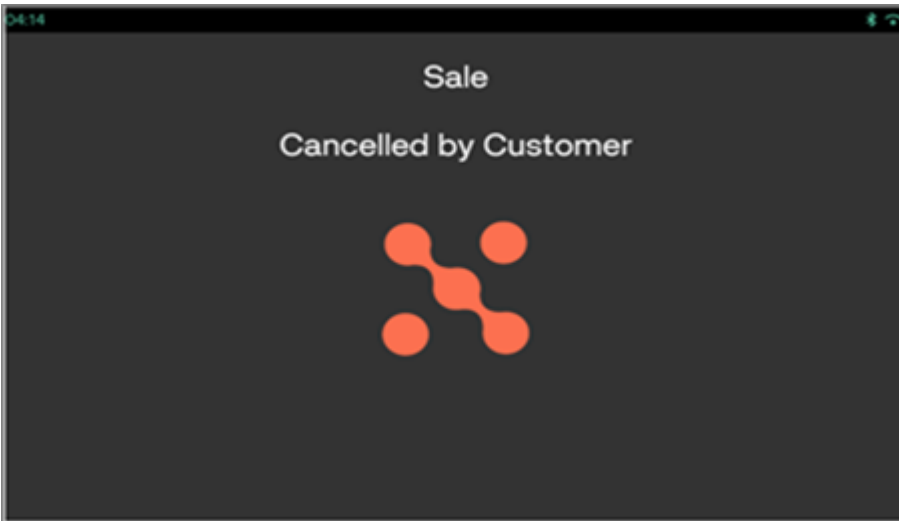


This is the Status screen as Sale Approved.

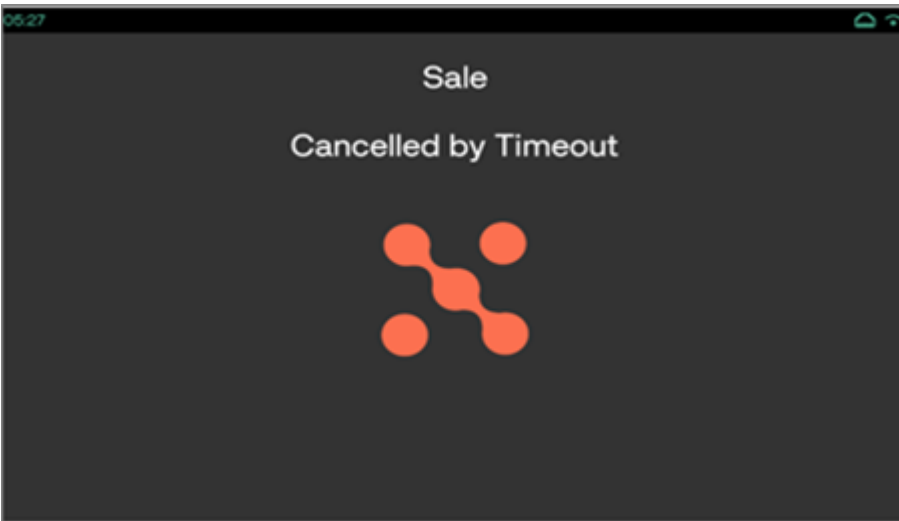


### Display

### Description



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



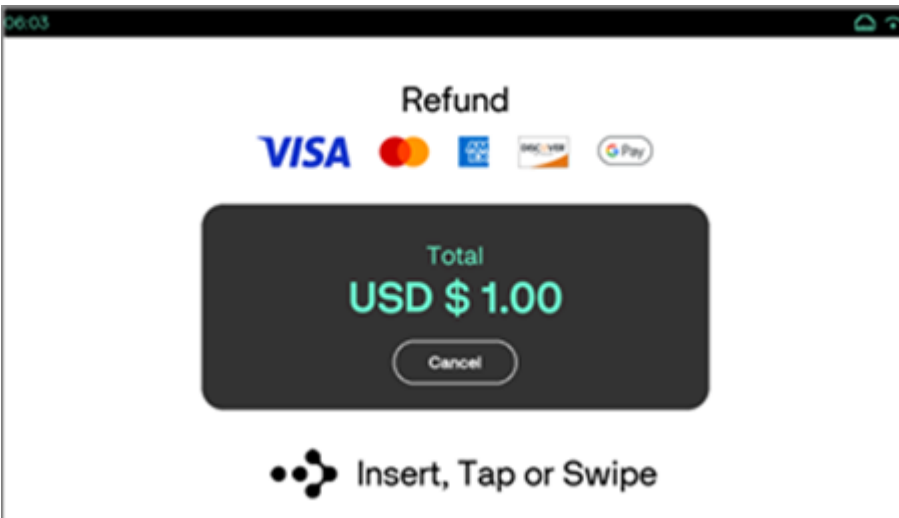
**Cancel by Timeout** - This is the Status screen if the Sale is cancelled due to Time out.

### Refund

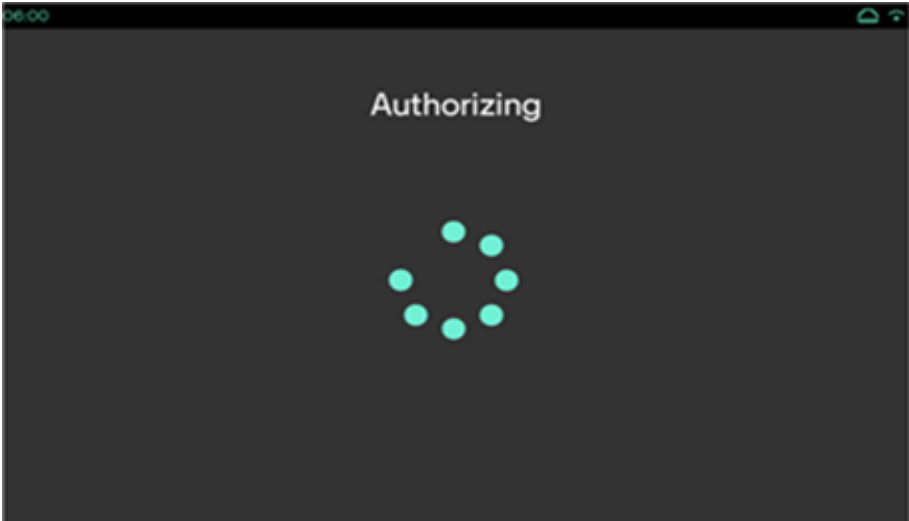
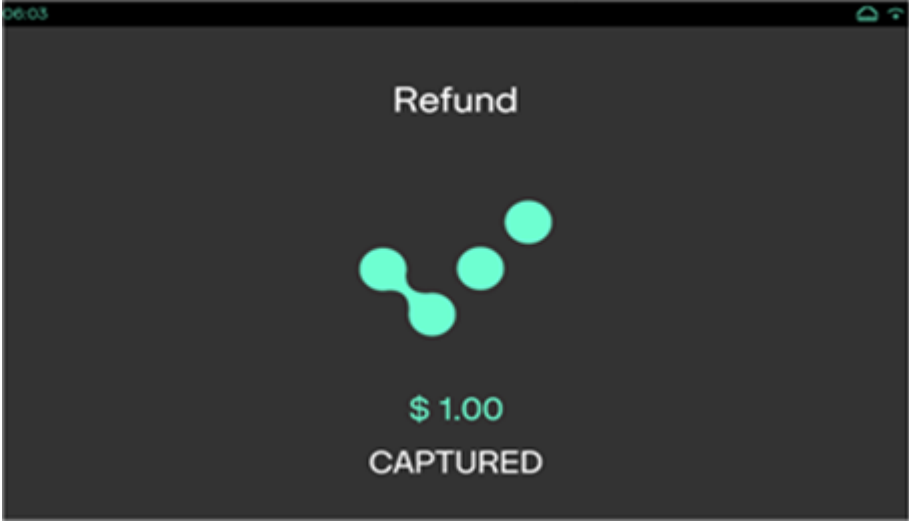
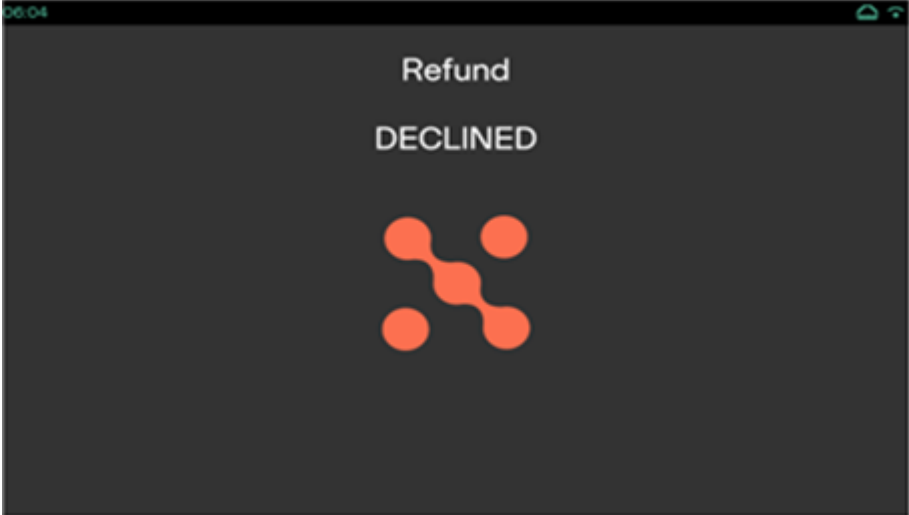
#### Refund - Tap

### Display

### Description

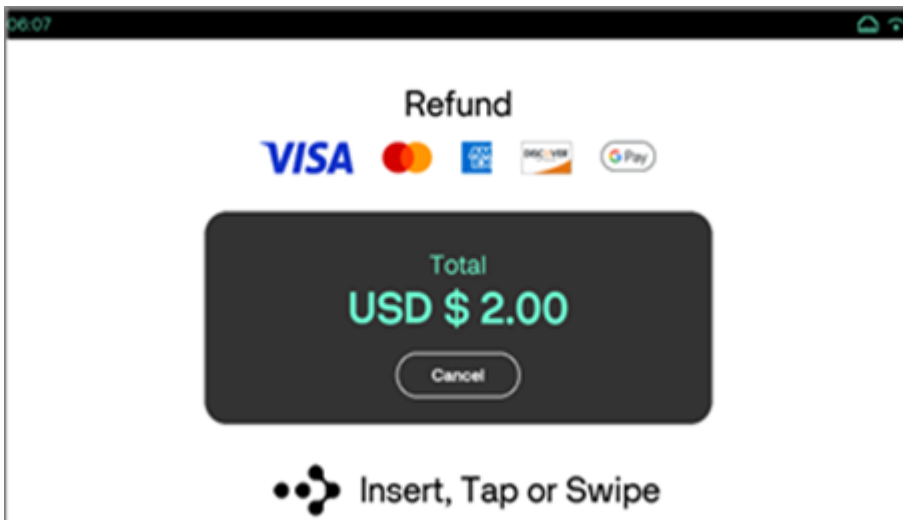


Select the card entry mode: Tap

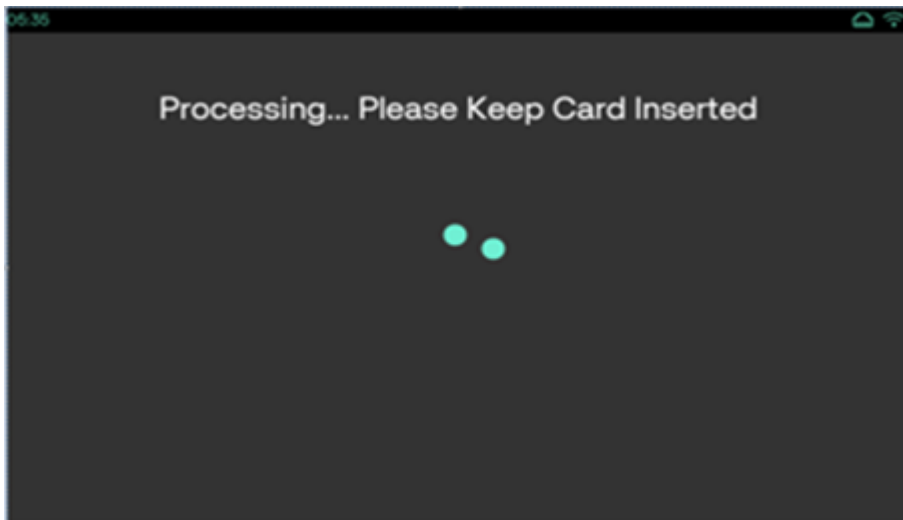
Display	Description
	Authorization in progress screen.
	Transaction is approved screen. After the transaction is complete, the device will return to the Idle Screen.
	This is the status screen as Refund Declined if the transaction is not approved.

**Refund - Insert**

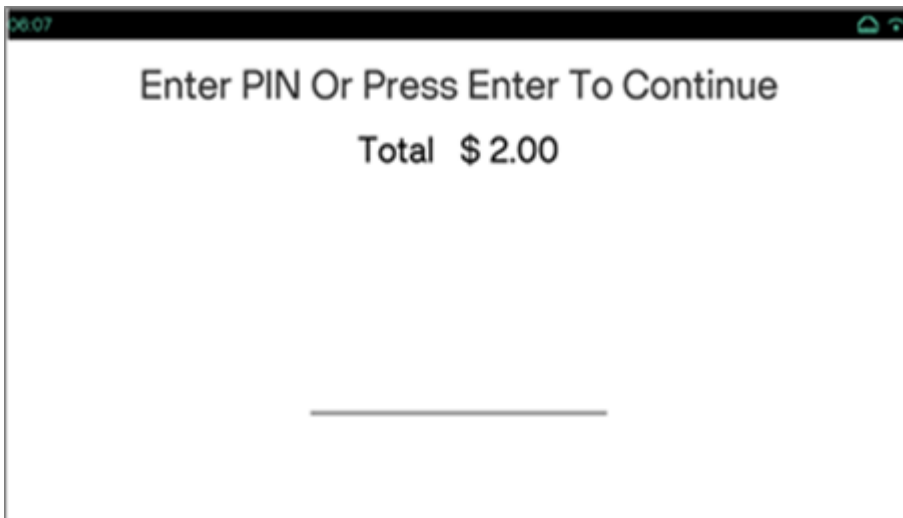
Display	Description



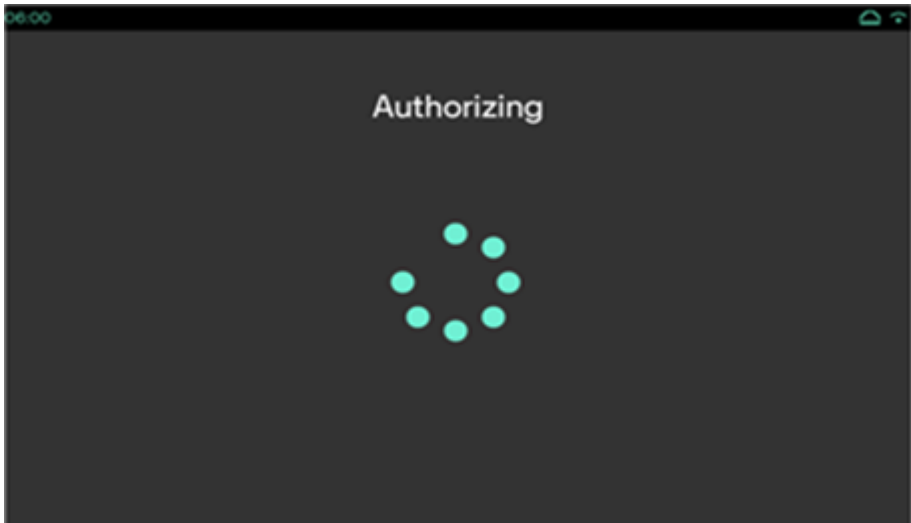
Select the card entry mode: Insert or Swipe.



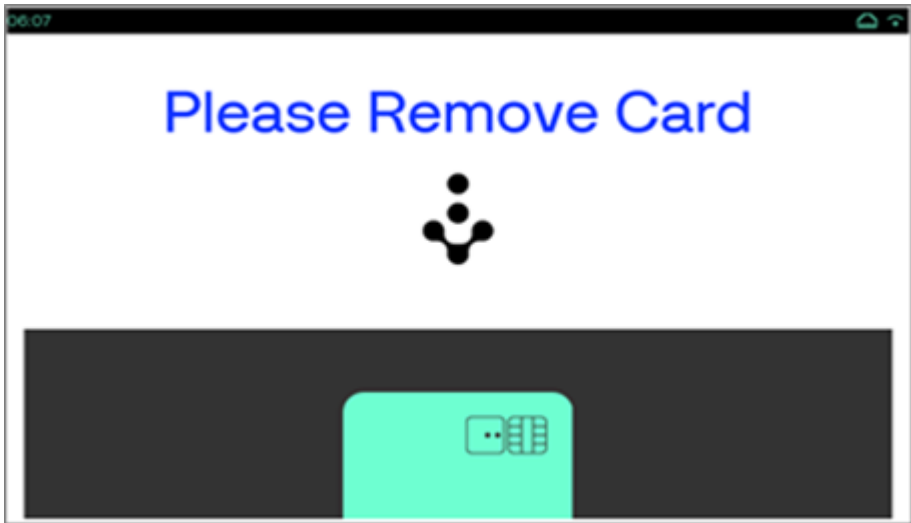
Processing screen and card should be inserted.



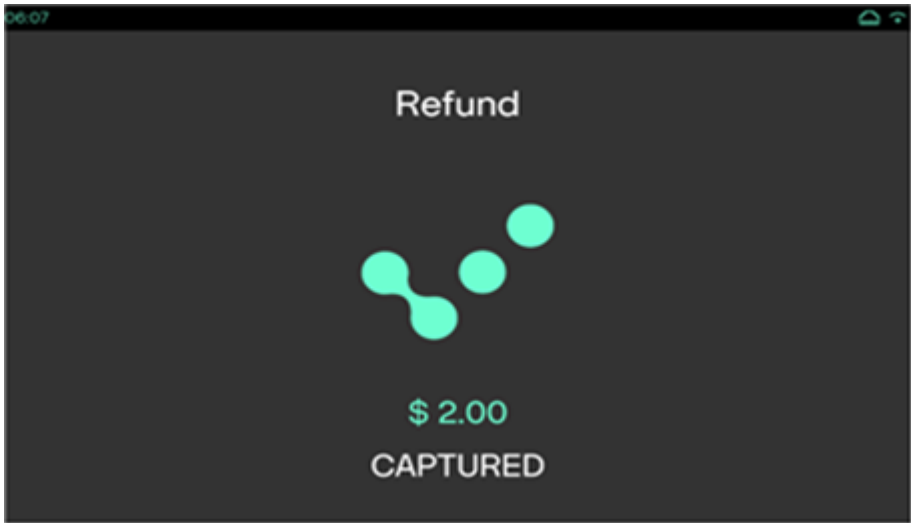
Tap the text box for keyboard input and type the PIN or press the Enter key to continue to next screen.



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.

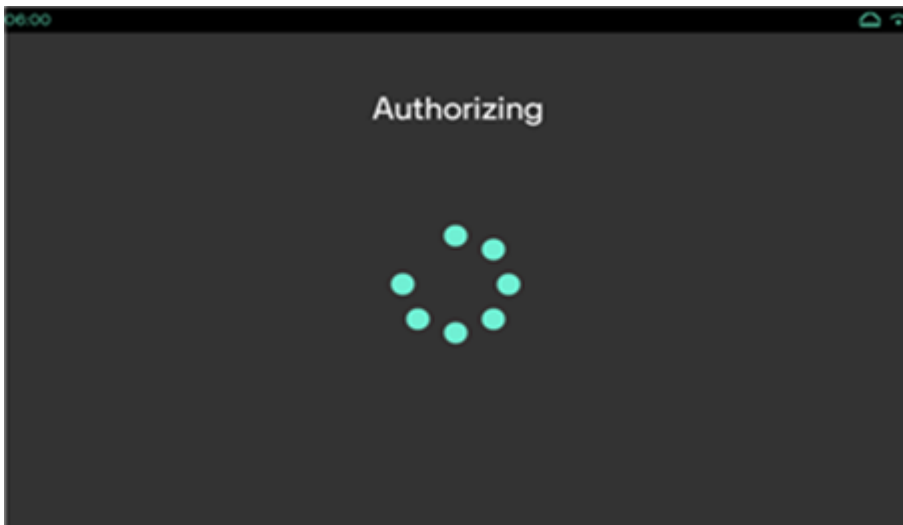


This is the Status screen as Refund Approved.

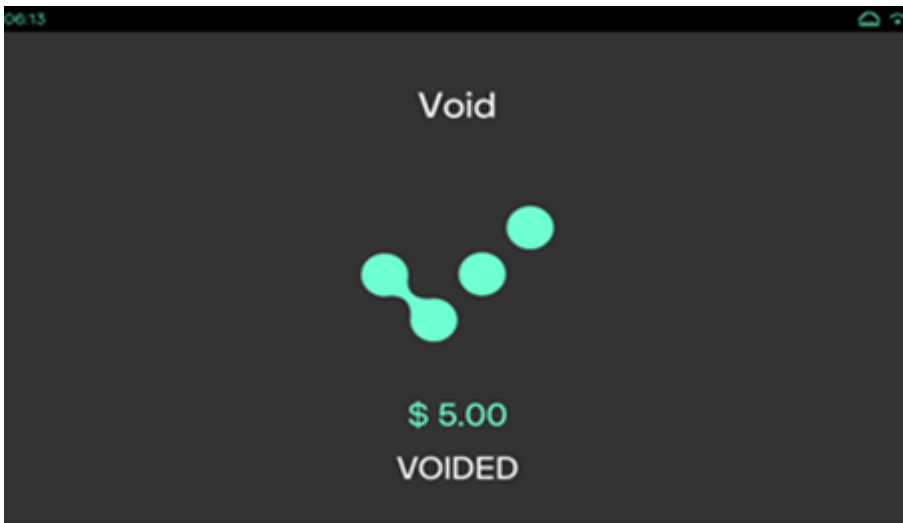
Void

Display

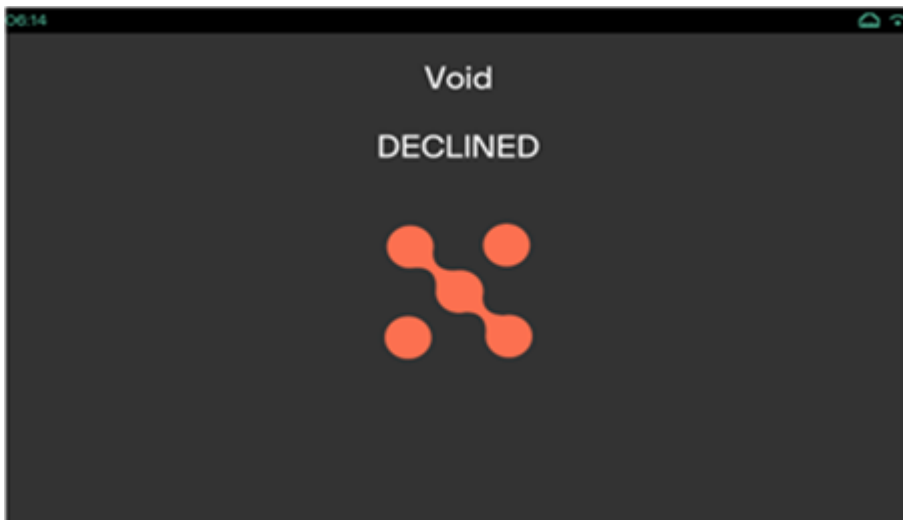
Description



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



This is the Status screen as Voided (success).



Void declined status screen.

## Optional Screens

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

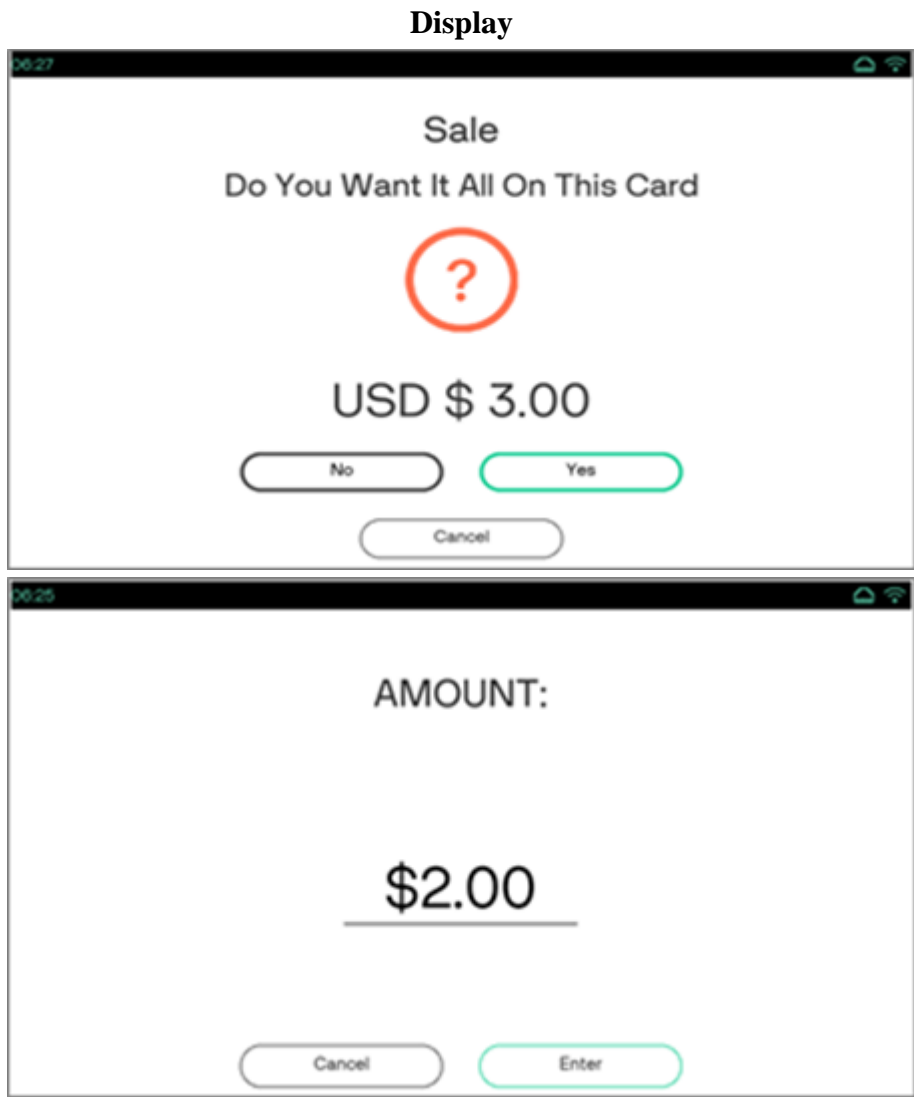
Welcome Screen



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.

Split Tender



Description

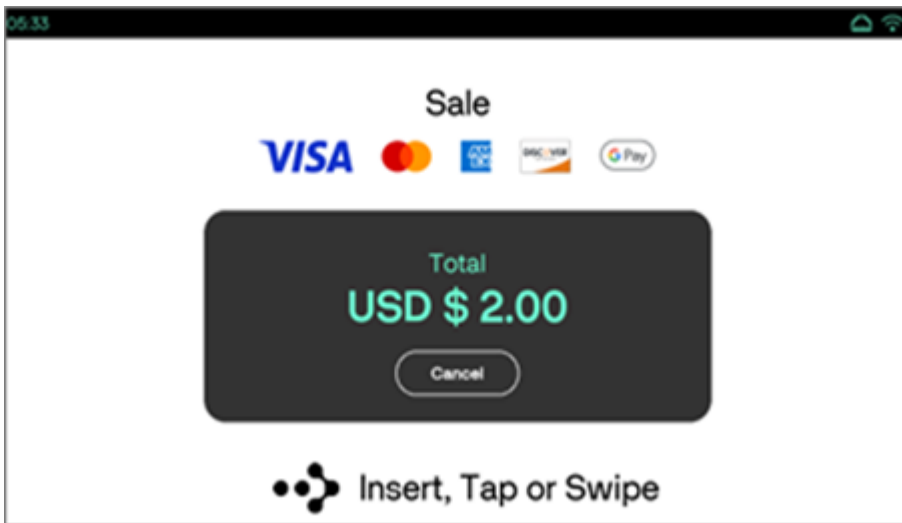
Option to choose if the amount would be divided to two cards.

- 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.

Enter the amount.

### Display

### Description

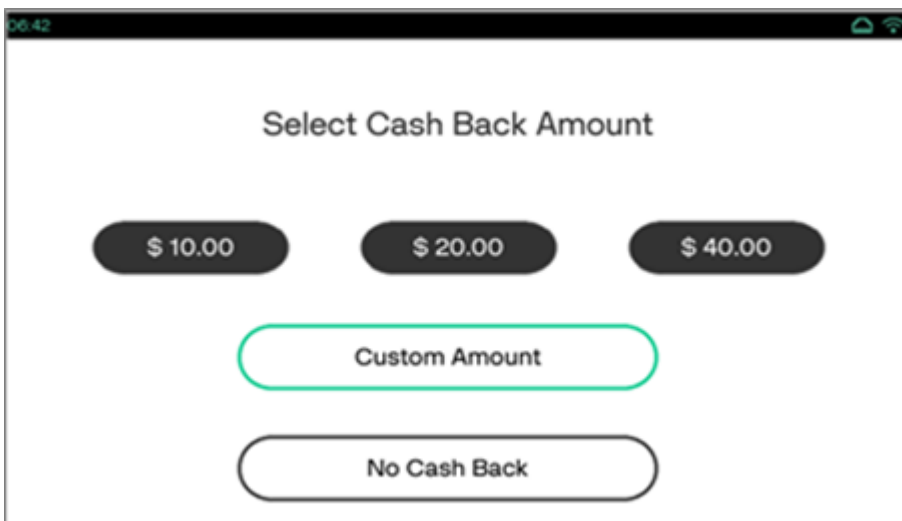


Card Read screen.

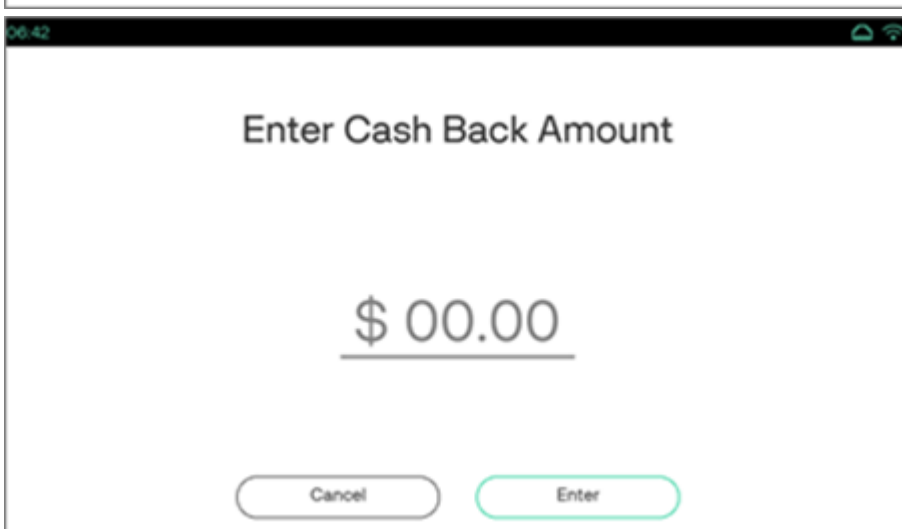
### Cash Back

### Display

### Description



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 the cashback amount and press OK.

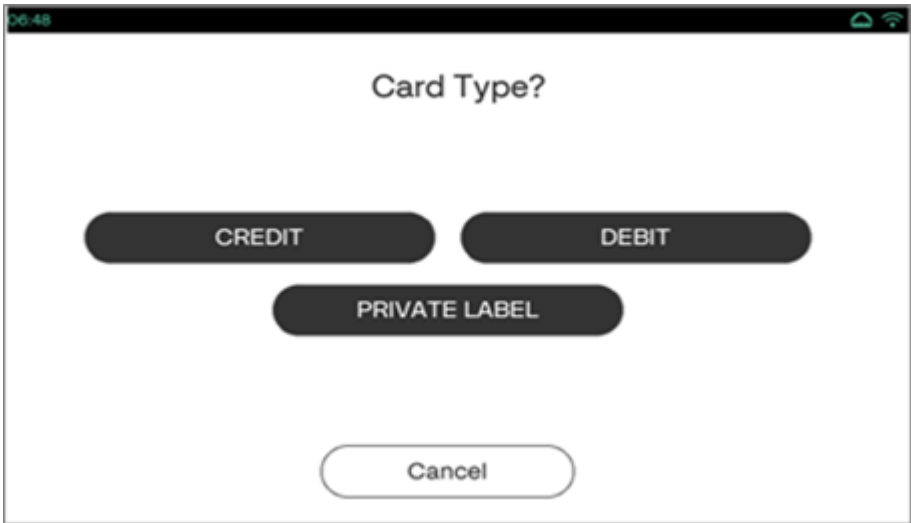
**Display**

**Description**



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

**Card Type/Payment Type Selection**

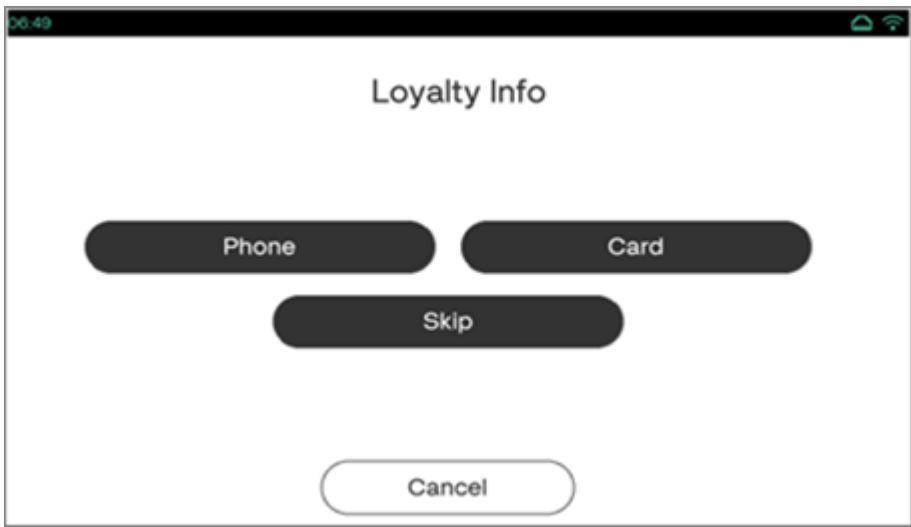


**Loyalty Entry Method**

**Display**

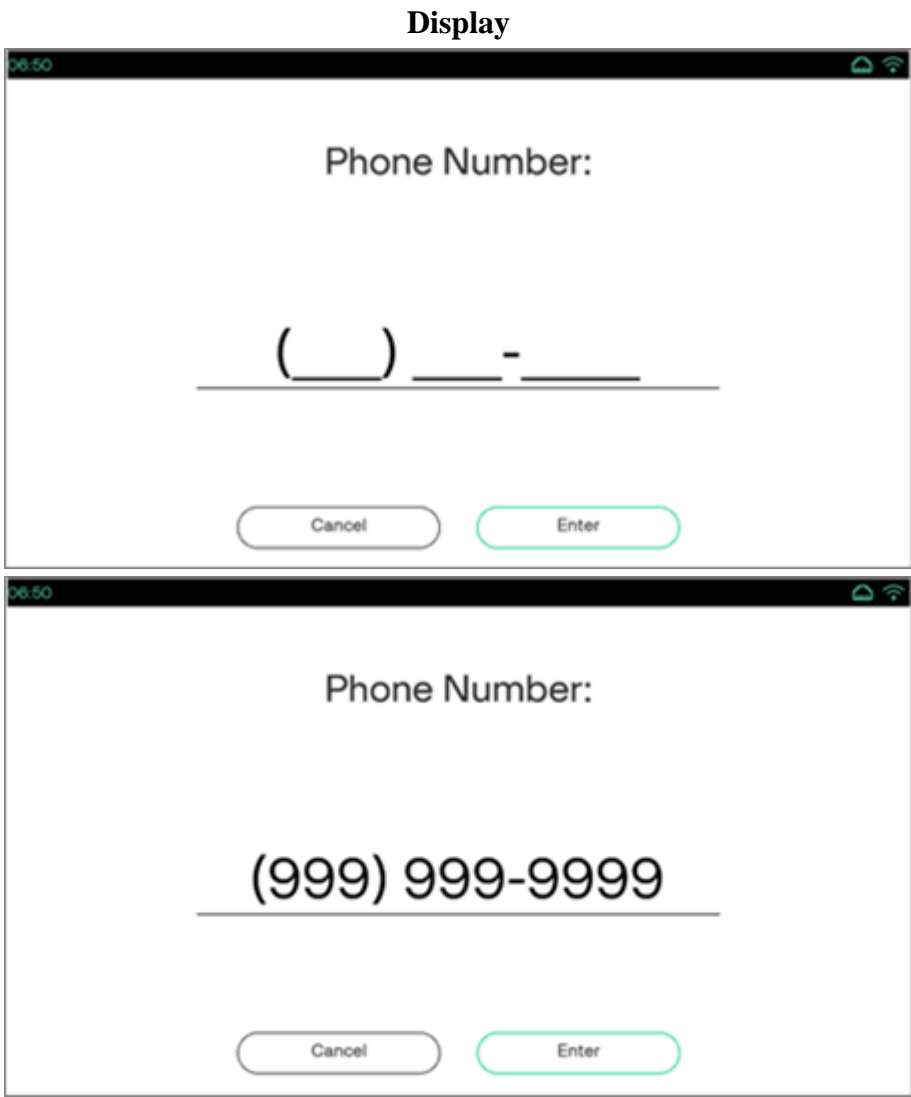
**Description**





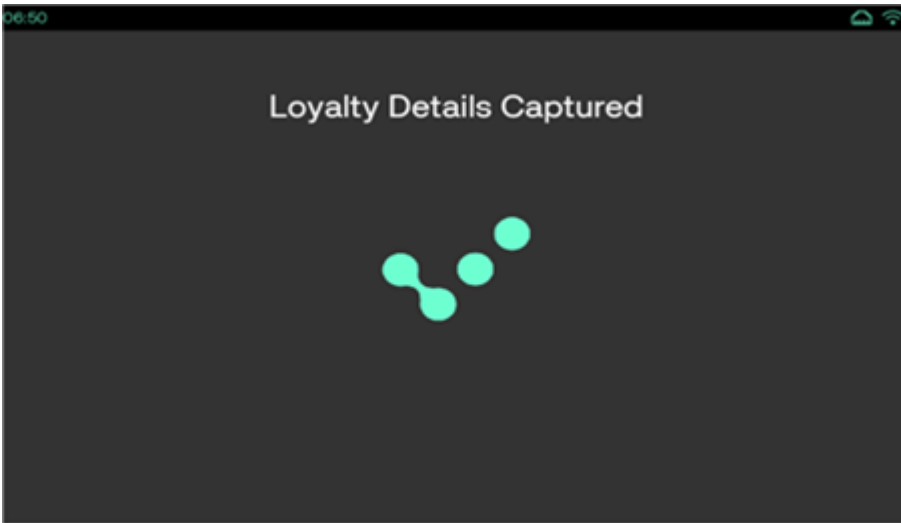
Select **Phone** option to enter phone number or select **Card** option to go to Loyalty Card for card swipe or entering account number. Select **Skip** if Loyalty Entry Method is not required.

**Phone Number**



### Display

### Description

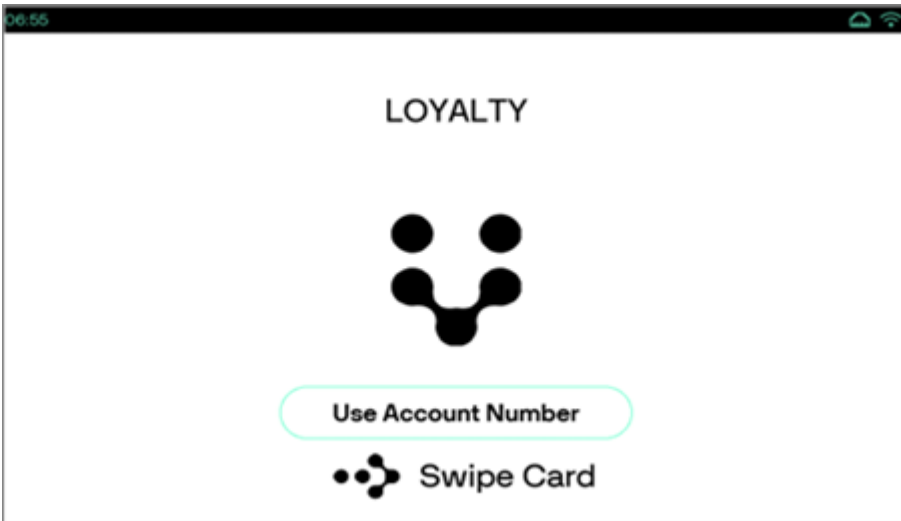


Status screen as Loyalty details captured.

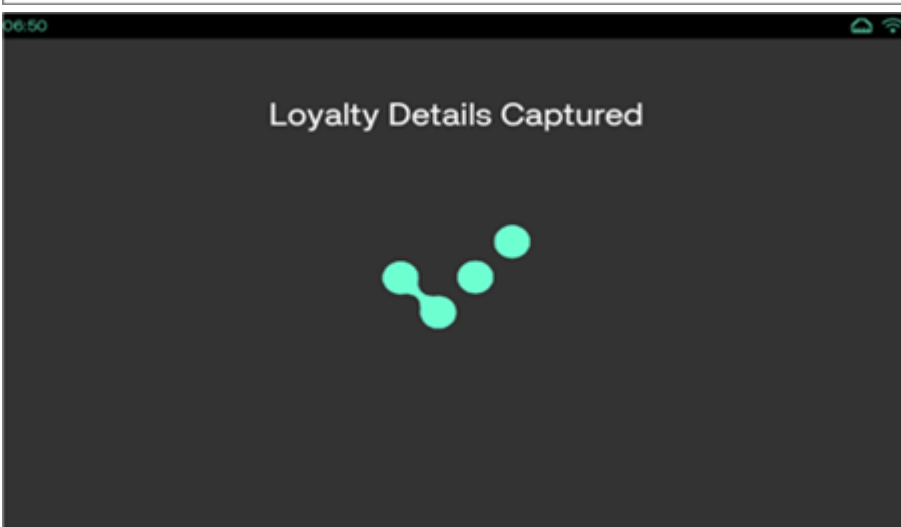
## Loyalty Card

### Display

### Description



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

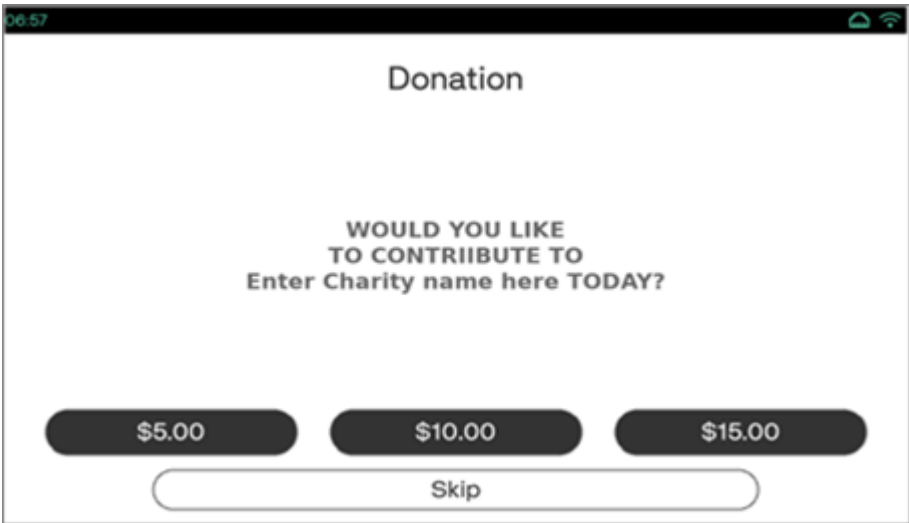


Status screen as Loyalty details captured.

## Device Command Screens

Display

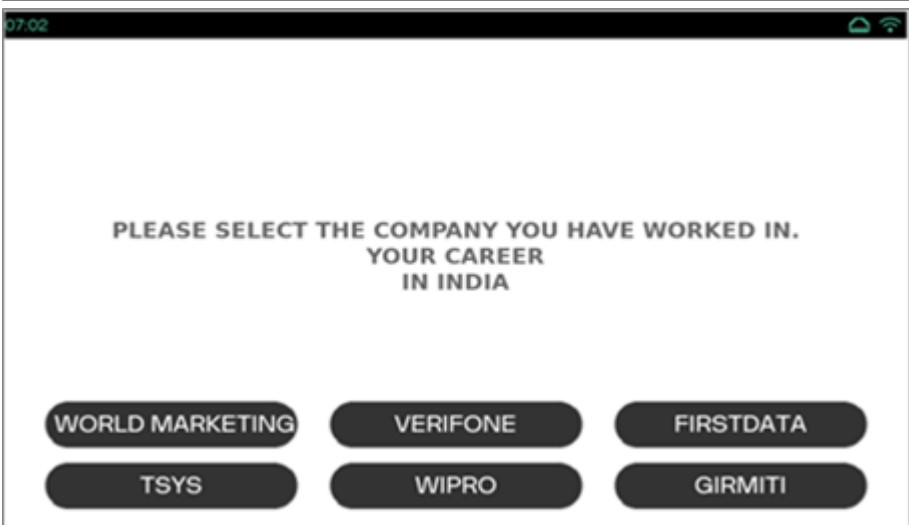
Description



Charity Donation.



Customer Question.



Customer Button.

Display

Description

07:03

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

1 2 3 4 5

Skip Submit

Customer survey 5.

07:04

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

Skip Submit

Customer survey 10.

07:06

PLEASE ENTER YOUR NAME

DAVID

Cancel Submit

q w e r t y u i o p  
a s d f g h j k l  
[space] z x c v b n m [backspace]  
[x] 123 [!@#] [.] [done]

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

## Display

## Description



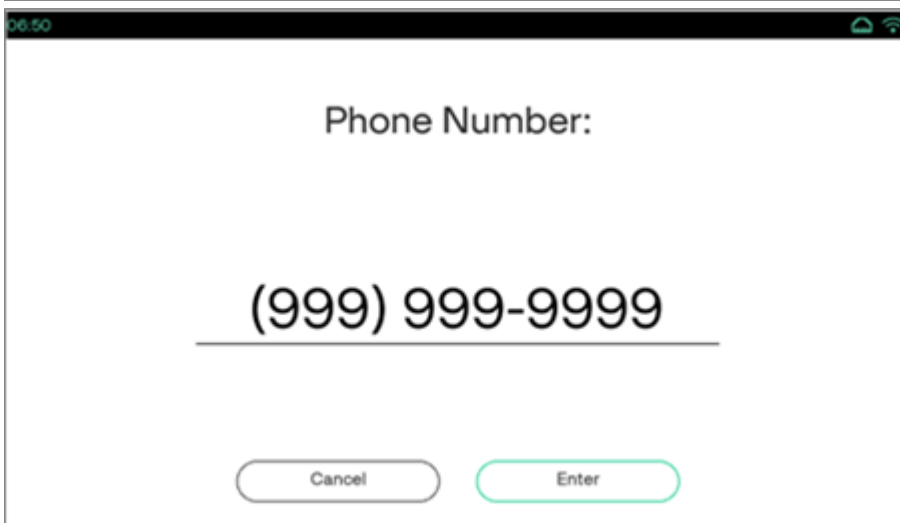
07:06

PLEASE ENTER YOUR PHONE NUMBER

( ) -

Cancel Submit

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



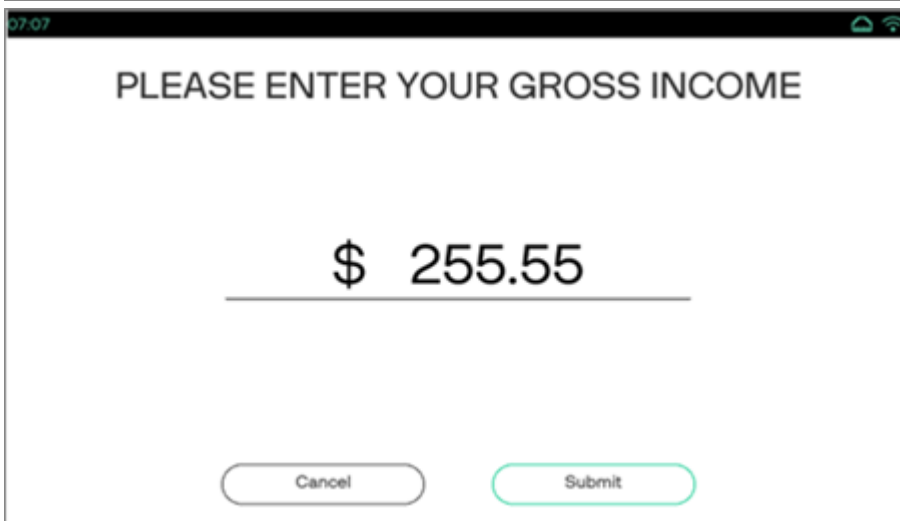
06:50

Phone Number:

(999) 999-9999

Cancel Enter

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



07:07

PLEASE ENTER YOUR GROSS INCOME

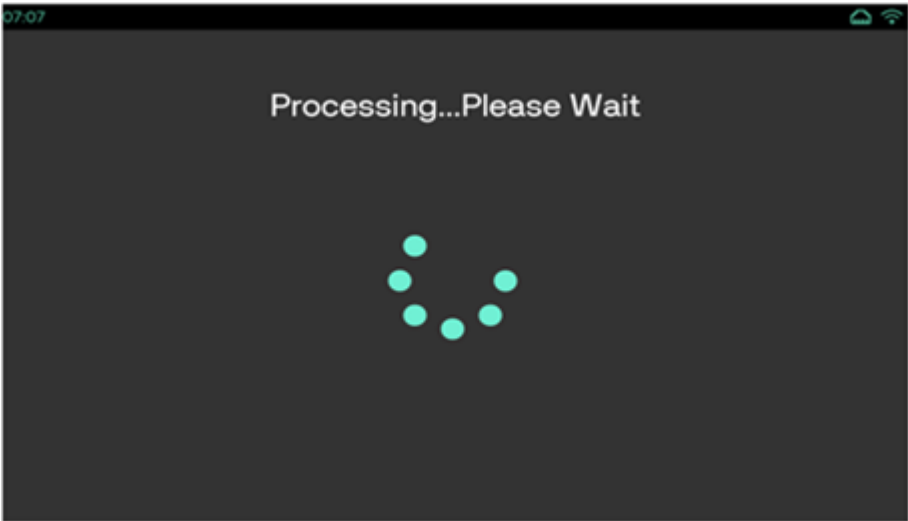
\$ 255.55

Cancel Submit

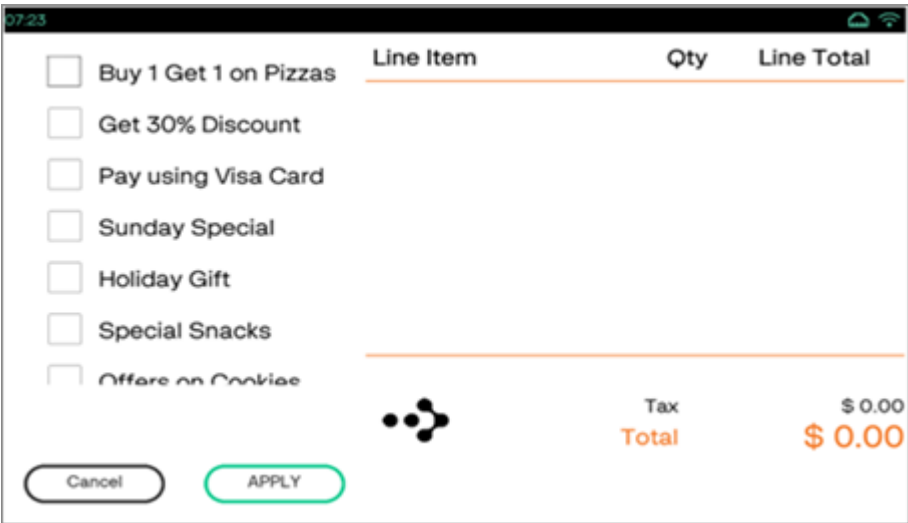
**Credit Application** - Tap the text box for keyboard input to type the gross income and press Enter to confirm and the data will be processed as shown below.

Display

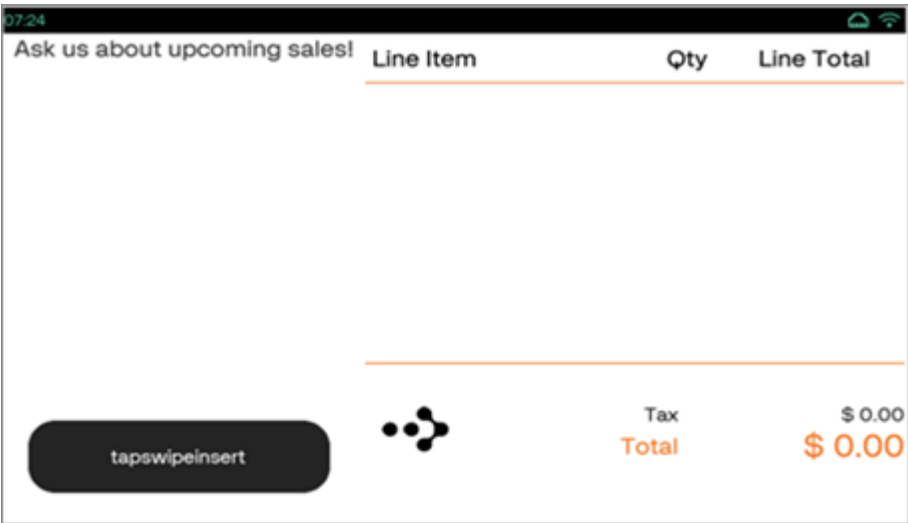
Description



Credit Application - Details processing.



Display left panel.



Display

Description

07:26

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

☐ Price

☐ Usability

☐ Features

☐ Support

☐ Software update

Cancel OK

Check box.

07:14

WELCOME TO VERIFONE

OK

Display message.

07:12

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

Cancel - \_ . @

Email address.

Display

Description

07:13

Enter E-Mail Address

abc@email.com

1234567890

qwertyuiop

asdfghjkl

zxcvbnm.com

Cancel - \_ . @

07:28

Sign to Authorize Transaction

I hereby agree to use no more than 4000 characters, and I am aware the Display allows for 230-300 characters

Cancel

Clear

OK

Signature Extended

07:30

Sign to Authorize Transaction



I hereby agree to use no more than 4000 characters, and I am aware the Display allows for 230-300 characters

Cancel

Clear

OK

Signature captured.