

Sola Payments Gateway for Adobe Commerce (Magento 2) Plugin User Guide

Summary

The Sola Payments plugin allows you to charge credit cards via the Sola Payments gateway.

It enables credit card payments for customers on the storefront and merchants in the Admin portal.

The plugin supports **Authorize Only, Capture, Void, Cancel, and Refund** transactions. The merchant's web servers remain out of the transaction's scope, keeping card data secure and simplifying PCI compliance.

Features

- Credit Card & Vault Payment method
- **Tokenization vault:** Store cards securely for subscriptions and returning shoppers—no raw PAN ever touches your environment.
- **3-D Secure 2.0 built in:** Step-up authentication meets PSD2/SCA and shifts fraud liability away from you.
- Add Giftcard to Cart Page & Checkout Page.
- **One-tap wallets:** Supports Apple Pay & Google Pay
- Supports **Authorization Only** as well as Authorization and **Capture** processing methods
- Ability to **refund, partially refund**, and **void** transactions without leaving Magento
- Supports **Split Capture**

- **Country-level payment controls:** Restrict transactions by geography in a single click to meet compliance or business rules.
- **Omni-processor flexibility:** Connect multiple acquirers and let Sola route each transaction for the best uptime and rates.
- Support **Google reCAPTCHA** for Payment method-wise
- **Hosted iFields + SAQ-A scope:** Sensitive card data posts directly to Sola, keeping your Magento server out of PCI scope.

The Cardknox plugin supports four types of payment methods:

1. Credit Card
2. Vault Payment Method
3. Google Pay
4. Apple Pay

Security & compliance

- Sola is a **PCI DSS Level 1** service provider.
- Our iField technology, tokenization, and 3-D Secure workflows keep sensitive data off your stack so you can qualify for the simplest SAQ-A questionnaire.

1. Credit Card Payment Method Setup

Navigate to [Admin](#) > [Stores](#) > [Configuration](#) > [Payment Methods](#) > [Sola Payment](#), which will bring you to the configuration page (see below).

Sola Payments


| | |
|---|---|
| Enabled <small>[website]</small> | Yes |
| Credit Card Title <small>[store view]</small> | Credit Card - Sola Payments |
| Vault Enabled <small>[website]</small> | Yes |
| Vault Title <small>[store view]</small> | Stored Cards - Sola |
| Sola API Key (Transaction Key) <small>[website]</small> | |
| Sola iFields Key (Token Key) <small>[website]</small> | |
| Debug <small>[website]</small> | Yes |
| Payment Action <small>[website]</small> | Authorize and Capture |
| Enable 3D Secure <small>[website]</small> | Yes |
| 3D Secure Environment <small>[website]</small> | Staging |
| Payment From Applicable Countries <small>[website]</small> | All Allowed Countries |
| Payment From Specific Countries <small>[website]</small> | <div><div>Afghanistan</div><div>Åland Islands</div><div>Albania</div><div>Algeria</div><div>American Samoa</div><div>Andorra</div><div>Angola</div><div>Anguilla</div><div>Antarctica</div><div>Antigua & Barbuda</div></div> |
| Sola Payments Gateway Endpoint <small>[website]</small> | https://x1.cardknox.com/gateway |
| Sola Payments Gateway 3D Secure Verify Endpoint <small>[website]</small> | https://x1.cardknox.com/verify |
| Google reCAPTCHA V2 Enable <small>[store view]</small> | No |
| | Visible Google Recaptcha enable |
| Enable Sola Giftcard <small>[website]</small> | Yes |
| Sola Giftcard Title <small>[website]</small> | Cardknox Gift Card |
| Sort Order <small>[website]</small> | |

1.1 Configuration Options

| | |
|--|---|
| Enabled | This enables the Sola / Cardknox Module. Set to 'Yes' to enable Sola payments. |
| Credit Card Title | Name of payment method. This will appear to users when selecting a payment method. We recommend selecting 'Credit Card.' |
| Vault Enabled | This enables the customer to save cards for later use on the site. |
| Vault Title | Name of vault payment method. This will appear to users when selecting a card on file. We recommend selecting 'Stored Cards.' |
| Sola API Key (Transaction Key) | Your Sola API transaction Key. (Contact Sola Support if you do not have this information) |
| Sola iFields Key (Token Key) | Your Sola token key (iFields key). (Contact Sola Support if you do not have this information) |
| Debug | Logs transaction data for troubleshooting purposes. |
| Payment Action | Sets the transaction payment mode. If 'Authorize' is selected, all transactions will need to be captured when invoicing an order. |
| Enable Split Capture For Credit Card | When Payment action is set to Authorize, this will allow you to split capture when capturing (invoicing) a transaction. |
| Enable 3D Secure | This enables 3D Secure on credit card payment method |
| 3D Secure Environment | Set Environment 'Staging' if you are using Sandbox otherwise you can use 'Production' |
| Payment From Applicable Countries | Select 'Specific Countries' to only allow payment from the 'Payment From Specific Countries' whitelist. |
| Payment From Specific Countries | Select countries you wish to whitelist. |
| Sola Payments Gateway Endpoint | Sola URL to which transactions are routed (this setting should not be modified unless advised to do so by Sola Support). |
| Sola Payments Gateway 3D Secure Verify Endpoint | Sola Payments 3DS endpoint will use if 3DS is enabled. |
| Google reCAPTCHA V2 | This enables Google Recaptcha on credit card payment |

| | |
|---------------------------------------|---|
| Enable | methods before the place order button |
| Google reCAPTCHA v2 Site Key | Your Google reCAPTCHA Site Key V2 |
| Google reCAPTCHA v2 Secret Key | Your Google reCAPTCHA Secret key V2 |
| Enable Sola Giftcard | This enabled Gift card functionality on the cart & checkout page |
| Sola Giftcard Title | Name of Giftcard. This will appear to users on the Cart & Checkout page |
| Sort Order | Priority of Sola in list of payment methods. |

1.2 Frontend Credit Card Payment method:

 Credit Card



☒ My billing and shipping address are the same

John Cohen
 LR
 4472 Rardin Drive
 San Carlos, California 94070
 United States
 9876543210

Card Number *

Card Number

Expiration Date *

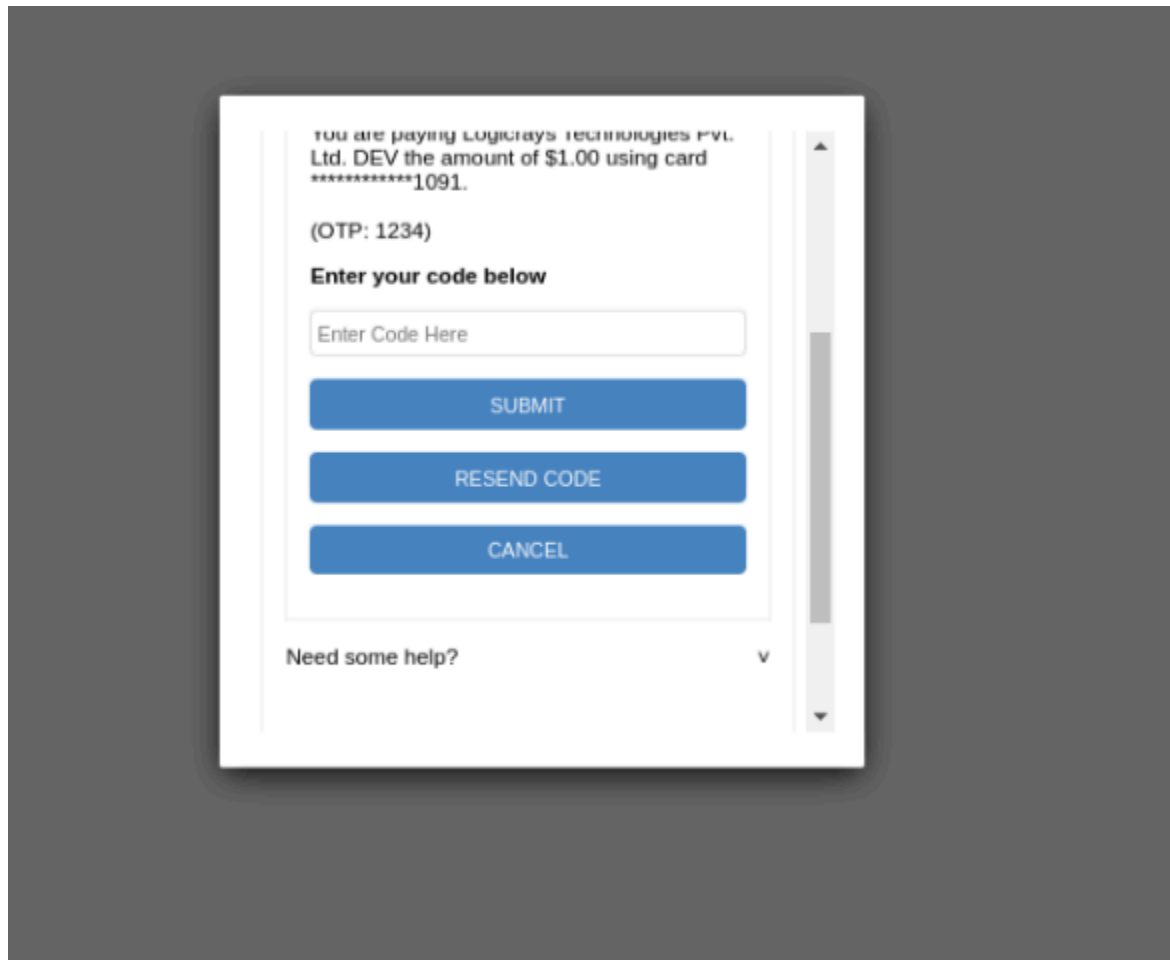
Month ▼ Year ▼

Card Verification Number *

CVV ?

Place Order

1.3 Magento 3DSecure Popup



1.4 Vault Payment Method

Payment Method

☐ **VISA** ending 4xxxxxxxxxxx1111 (expires: 0226)

☐ **VISA** ending 4xxxxxxxxxxx2503 (expires: 0227)

☐ **VISA** ending 4xxxxxxxxxxx1111 (expires: 0126)

2. GooglePay Payment Method Setup

Sola Google Pay

| | |
|---|---|
| Enabled <small>[website]</small> | Yes ▼ |
| Enable Google Pay on Cart Page <small>[website]</small> | Yes ▼ |
| Enable Show Summary Google Pay Popup on Cart Page <small>[website]</small> | Yes ▼ |
| Title <small>[store view]</small> | Google Pay |
| Merchant Name <small>[store view]</small> | Cardnox |
| Environment <small>[store view]</small> | Test ▼ |
| GooglePay Payment Action <small>[website]</small> | Authorize ▼ |
| Enable Split Capture For GooglePay <small>[website]</small> | Yes ▼ |
| Button Style <small>[store view]</small> | Black ▼ The Google Pay place order button style |
| Google Pay Button Type <small>[store view]</small> | short ▼ The Google Pay place order button type |
| Button Size Mode <small>[store view]</small> | static ▼ If you want button smaller, use button type = short and button size mode = static. |
| Payment From Applicable Countries <small>[website]</small> | All Allowed Countries ▼ |
| Payment From Specific Countries <small>[website]</small> | <div><div>Afghanistan</div><div>Åland Islands</div><div>Albania</div><div>Algeria</div><div>American Samoa</div><div>Andorra</div><div>Angola</div><div>Anguilla</div><div>Antarctica</div><div>Antigua & Barbuda</div></div> |
| Sort Order <small>[website]</small> | |

2.1 Configuration Options

| | |
|---------|--|
| Enabled | This enables Sola Google Pay . Set to 'Yes' to enable Google Pay. Please ensure that your Sola account is configured for Google Pay. |
|---------|--|

| | |
|--|---|
| | Please contact Sola support to confirm |
| Enable Google Pay on Cart Page | This enables the GooglePay on the Cart Page. Set to 'Yes' to enable Sola payments. |
| Enable Show Summary Google Pay Popup on Cart Page | This allows the customers to show summaries like subtotal, Shipping Amount, Tax, Discount & Grandtotal etc. |
| Title | Name of payment method. This will appear to users when selecting a payment method. We recommend selecting 'Google Pay' |
| Merchant Name | Enter the merchant name (DBA) |
| Environment | Sets the Google Pay environment. This must match the environment set on the Sola account. Set your environment, Test for Sandbox Mode and Production for live. Please contact Sola support to confirm |
| GooglePay Payment Action | Sets the transaction payment mode. If 'Authorize' is selected, all transactions will need to be captured when invoicing an order. |
| Enable Split Capture For GooglePay | It only works if the payment action is 'Authorize', You can split an invoice. When the Payment action is set to Authorize, this will allow you to split capture when capturing (invoicing) a transaction. |
| Button Style | This sets the Google Pay button style. Button will display either Black or White |
| Google Pay Button Type | Button types are pay , buy , plain , short , order , and continue |
| Button Size Mode | If you want the button smaller, use button type = short and button size mode = static . |
| Payment From Applicable Countries | Select 'Specific Countries' to only allow payment from the 'Payment From Specific Countries' whitelist. |
| Payment From Specific Countries | Select countries you wish to whitelist. |
| Sort Order | Priority of Google Pay in list of payment methods. |

2.2 Checkout Page:



Google Pay

☒ My billing and shipping address are the same

John Cohen

LR

4472 Rardin Drive

San Carlos, California 94070

United States

9876543210



2.3 Cart Page:

Summary

Estimate Shipping and Tax




Subtotal \$9.00

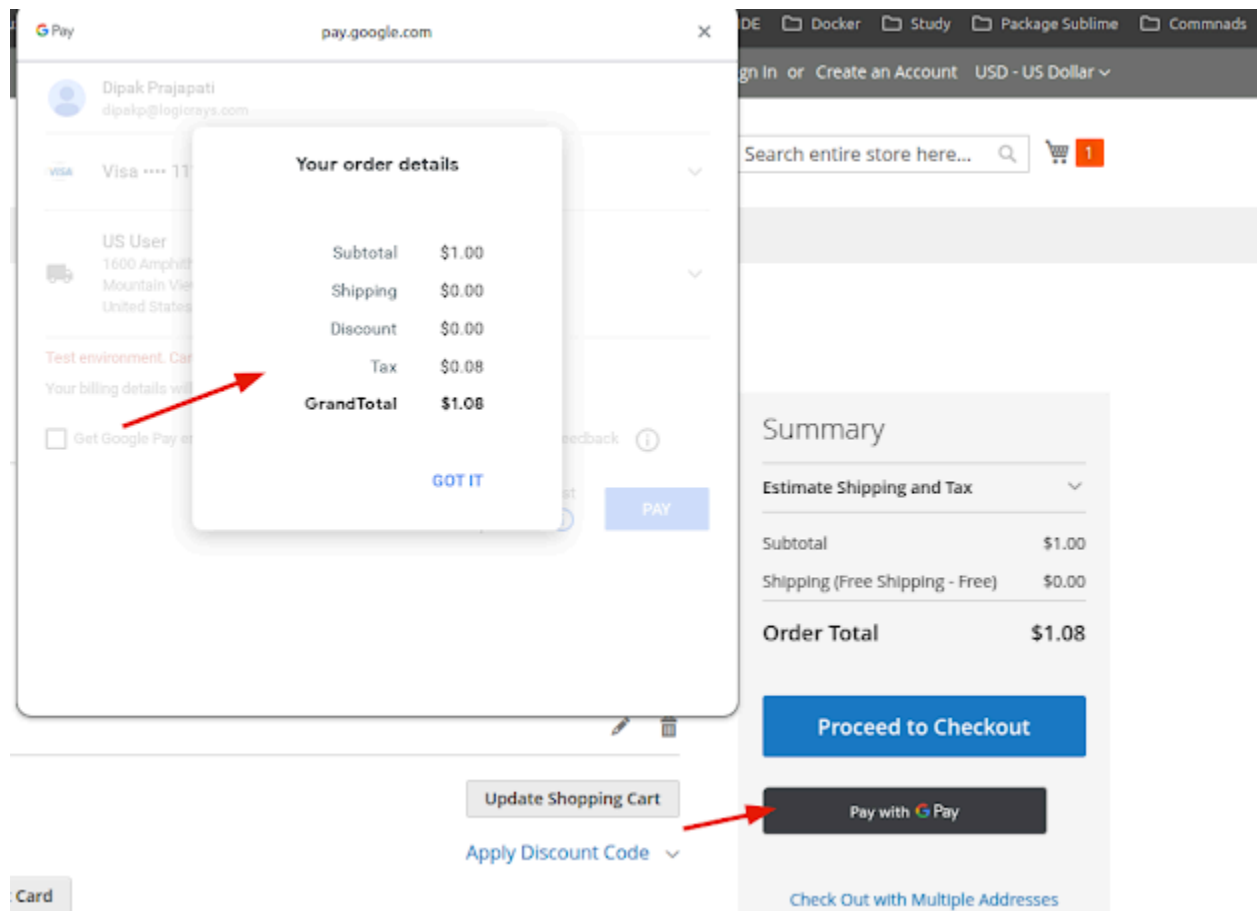
Shipping (Free Shipping - Free) \$0.00

Order Total \$9.74

Proceed to Checkout

Pay with  Pay

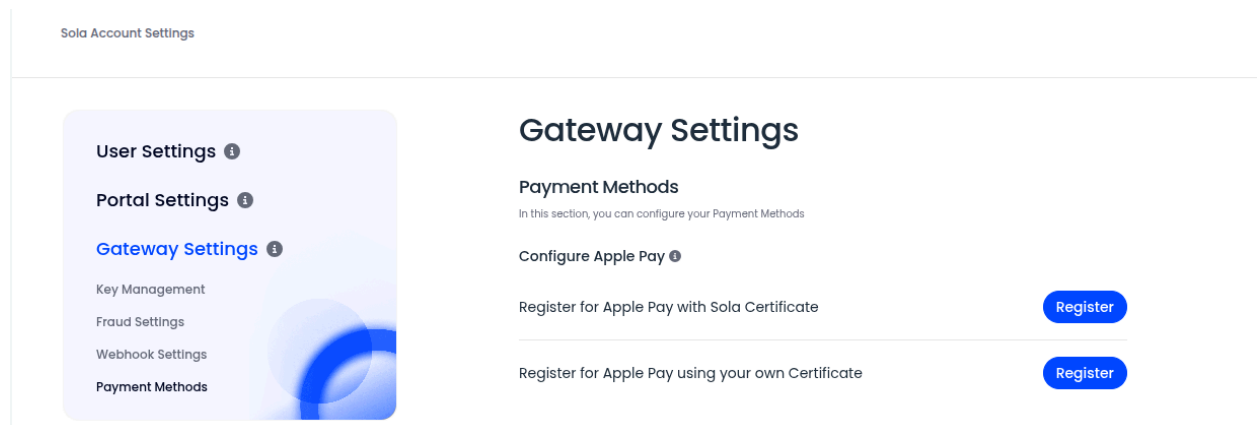
2.4 Enable Show Summary:



3. ApplePay Payment Method Setup

Applepay Domain Register:

Please complete the Apple Pay Domain Registration [here](#) prior to enabling Sola Apple Pay.



Applepay Configuration:

⌵ Sola Apple Pay

Important:
Please complete the Apple Pay Domain Registration [here](#) prior to enabling Sola Apple Pay.

Enabled [website] Yes ▼

Enable Apple Pay on Cart Page [website] Yes ▼

Enable Show Summary Apple Pay Popup on Cart Page [website] Yes ▼

Title [store view] Apple Pay

Merchant Identifier [store view] merchant.cardknox.com

Environment [store view] Test ▼

Apple Pay Button Style [store view] Black ▼

The Apple Pay place order button style

Apple Pay Button Type [store view] Pay ▼

The Apple Pay place order button type

Payment Action [website] Authorize ▼

Payment From Applicable Countries [website] All Allowed Countries ▼

Payment From Specific Countries [website]

Afghanistan

Åland Islands

Albania

Algeria

American Samoa

Andorra

Angola

Anguilla

Antarctica

Antigua & Barbuda

Sort Order [website]

3.1 Configuration Options

| | |
|---|--|
| Enabled | This enables Sola Apple Pay. Set to 'Yes' to enable Apple Pay. Please ensure that your Sola account is configured for Apple Pay. Please contact Sola support to confirm |
| Enable Apple Pay on Cart Page | This enables the ApplePay on the Cart Page. Set to 'Yes' to enable Sola payments. |
| Enable Show Summary Apple Pay Popup on Cart Page | This enables the customers to show summary like subtotal, Shipping Amount, Tax, Discount & Grandtotal etc. |
| Title | Name of payment method. This will appear to users when selecting a payment method. We recommend selecting 'Apple Pay' |
| Merchant Identifier | The default value is `merchant.cardknox.com` |
| Environment | Set your environment, Test for Sandbox Mode and Production for live. |
| Apple Pay Button Style | This sets the Apple Pay button style. Button will display either Black, White & WhiteOutline |
| Apple Pay Button Type | This sets the Apple Pay button type. Button types are Pay, Buy, Plain, Donate, Order, Continue & Checkout |
| Payment Action | Sets the transaction payment mode. If 'Authorize' is selected, all transactions will need to be captured when invoicing an order. |
| Payment From Applicable Countries | Select 'Specific Countries' to only allow payment from the 'Payment From Specific Countries' whitelist.. |
| Payment From Specific Countries | Select countries you wish to whitelist. |
| Sort Order | Priority of Apple Pay in the list of payment methods. |

3.2 Checkout Page

☒ Apple Pay

☐ My billing and shipping address are the same

John Cohen

Cardknox

506, Street1

California, New York 10002

United States


9874563210

Edit

Apple Pay

3.3 Cart Page

Summary

Estimate Shipping and Tax 

Subtotal \$1.00

Order Total \$1.00

Proceed to Checkout

Apple Pay

[Check Out with Multiple Addresses](#)

4. Payment Method Actions

4.1 Capture Action:

If 'Authorize' is selected as the Payment Action in the Sola Payment Gateway module settings (see Payment Actions in the Configuration Options section of this document), select '**Capture Online**' to capture the transaction before submitting the invoice.

Please note that previously voided transactions cannot be captured and will result in an error.

| | |
|--|---------------|
| Grand Total | \$1.08 |
| Amount | |
| <input type="text" value="Capture Online"/> | ▼ |
| <input type="checkbox"/> Append Comments | |
| <input type="checkbox"/> Email Copy of Invoice | |
| <input type="button" value="Submit Invoice"/> | |

4.2 Void

Use 'Void' to cancel transactions on orders that have not yet been invoiced. This is only available if 'Authorize' is selected as the Payment Action in the Cardknox module settings (see Payment Actions in the Configuration Options section of this document). Once an order has been invoiced, use 'Credit Memo' to refund the transaction.

Please note that 'Void' cancels the credit card transaction but does not cancel the order. To cancel the order as well, see the Cancel section below.

4.3 Cancel

Use Cancel to void an uncaptured transaction and cancel the associated order.

4.4 Credit Memo

Issue a Credit Memo to refund an order that has already been invoiced.

Mar 10, 2025 7:11:39 AM | Closed | Customer **Not Notified**
We refunded \$1.08 online. Transaction ID: "10265037517-refund"

New Order - Merchant - Admin Order Create

Payment Method

☒ Credit Card

Credit Card Number *

Expiration Date *

| | |
|-------|---|
| Month | ▼ |
| Year | ▼ |

Card Verification Number *

☐ Save for later use.

Retrieve Sola Reference #:

Sola transaction reference numbers can be found in the Transaction History section of any order page and are referred to as 'Transaction ID'.

This can be useful when viewing your transactions on the Sola Payment Gateway portal or when contacting Sola Support regarding specific transactions.

Mar 10, 2025 7:08:12 AM | Processing | Customer **Not Notified**
Captured amount of \$1.08 online. Transaction ID: "10265037517"

Mar 10, 2025 7:05:46 AM | Processing | Customer **Not Notified**
Order Placed by test test using Admin Panel

Mar 10, 2025 7:05:46 AM | Processing | Customer **Not Notified**
Order Placed by Store Administrator

Mar 10, 2025 7:05:46 AM | Processing | Customer **Not Notified**
Authorized amount of \$1.08. Transaction ID: "10265035449"

Giftcard Form on Cart Page:

Cardknox Gift Card ^

| | |
|----------------------|---------------|
| <input type="text"/> | Add Gift Card |
|----------------------|---------------|

[Check Gift Card status and balance](#)

Giftcard - Check Balance

Cardknox Gift Card ^


Giftcard status is Active. Your giftcard remaining balance is \$3.00

6900643043081707

Add Gift Card

Check Gift Card status and balance

Add Giftcard:

| Item | Price | Qty | Subtotal |
|--|--------|-----|----------|
|  Test Product2 | \$1.00 | 10 | \$10.00 |

Cardknox Gift Card ^

The gift card was applied successfully with an amount of \$3.00

6900643043081707 Cancel

Check Gift Card status and balance

Update Shopping Cart

Apply Discount Code ^

Summary

Estimate Shipping and Tax ^

| | |
|---------------------------------|---------------|
| Subtotal | \$10.00 |
| Gift Card | -\$3.00 |
| Shipping (Free Shipping - Free) | \$0.00 |
| Order Total | \$7.83 |

[Proceed to Checkout](#)

[Pay with !\[\]\(98f8456b37eccb83c047e8149b58e871_img.jpg\)](#)

[Check Out with Multiple Addresses](#)

Checkout Page Giftcard:

Cardknox Gift Card ^

6900643043081707

Cancel

Check Balance

Giftcard Redeem:

Dec 5, 2025 1:19:17 AM | Processing | Customer **Not Notified**

Gift Card Authorized amount of \$3.00. 6xxxxxxxxxxx1707. Transaction ID: 10800390353.

Dec 5, 2025 1:19:13 AM | Processing | Customer **Not Notified**

Captured amount of \$2.00 online. Transaction ID: "10800390349"

Giftcard Order Summary Section:

Order Totals

| | |
|-----------------------|---------------|
| Subtotal | \$5.00 |
| Shipping & Handling | \$0.00 |
| Sola Giftcard Amount | -\$3.00 |
| Grand Total | \$2.00 |
| Total Paid | \$2.00 |
| Total Refunded | \$0.00 |
| Total Due | \$0.00 |

Thank you