

GiftCards Module Release Notes

Version 1.0 release notes for Shop gift card products, editable templates, wallet passes, issued balances, and redemption workflows.

Gift Cards is packaged as its own Shop submodule. The latest update adds Inventory-style settings controls, Apple Wallet and Google Wallet issuance, provider-specific previews, safer wallet credential handling, stronger random code/token generation, POST-only administrative state changes, upload validation, and rate limiting.

New Since the Prior Pack

- Gift Card Settings now includes a module enable/disable toggle; all GiftCards menu items hide when the module is disabled except settings.
- Apple Wallet and Google Wallet can be enabled independently from settings.
- Apple and Google wallet settings and previews are shown only when their provider is enabled.
- Provider previews render side by side and use color picker fields, uploaded logo previews, and clear provider labels.
- The settings screen supports drag/drop and click-to-browse PNG logo uploads.
- Wallet provider setup links are available directly from the settings screen.
- Issued card screens include Apple Wallet and Google Wallet actions when enabled.
- Wallet generation is limited to active, unexpired gift cards.
- Wallet pass barcodes and links open the customer Gift Cards page and do not expose claim tokens.
- Gift card codes and claim tokens now use cryptographic randomness for new issuance.
- Apple private key password is read from GIFT_CARDS_APPLE_PRIVATE_KEY_PASSWORD instead of stored settings.
- Wallet credential paths are restricted to protected/wallet and wallet logo paths to uploads/gift-card-wallet.
- Wallet logo uploads are limited to PNG files no larger than 1 MB and 1024 x 1024 pixels.
- Administrative adjust, expire, void, and resend claim actions now require POST.
- Gift card claim/apply endpoints include module-local rate limiting.
- Gift Card Settings still includes Templates at /GiftCards/admin/giftCardTemplate/index, and default templates remain editable.

Backend Navigation

Menu	Item	Route
Gift Card Settings	Attribute Groups	/Shop/admin/attributeGroup/admin/productType/gift-cards
Gift Card Settings	Attributes	/Shop/admin/attribute/admin/productType/gift-cards
Gift Card Settings	Categories	/Shop/admin/productCategory/admin/productTypeAlias/gift-cards

Menu	Item	Route
Gift Card Settings	Collections	/Shop/admin/ProductCollection/admin/productTypeAlias/gift-cards
Gift Card Settings	Templates	/GiftCards/admin/giftCardTemplate/index
Gift Cards	Gift Card Products	/Shop/admin/product/index/typeAlias/gift-cards
Gift Cards	Designer	/GiftCards/admin/giftCardDesigner/index
Gift Cards	Issued Cards	/GiftCards/admin/giftCard/index
Gift Cards	Ledger	/GiftCards/admin/giftCard/ledger
Gift Cards	Liability Report	/GiftCards/admin/giftCard/liabilityReport

Template Management

- Open the Gift Card Designer and create a saved design.
- Open Gift Card Settings -> Templates.
- Create a new template or edit a seeded default template.
- Choose a saved design as the source to replace template artwork.
- Set category, status, and sort order to control designer availability and placement.

Designer Improvements

Improvement	Result
Managed dropdown	Active settings templates drive the designer list once defaults have seeded.
Default templates visible in settings	Admins can edit the templates users actually select.
White custom card	Selecting Custom Design clears generated imagery and starts from a clean white card.
Store selector cleanup	Only real stores appear in the Store dropdown.
Better graphics	USA 250 uses a flag/250 graphic; Christmas has Santa, Snowman, and Presents; Birthday has multiple audiences/color schemes.

Wallet and Settings Improvements

Area	Update	Result
Settings enablement	Inventory-style module toggle plus provider toggles.	GiftCards navigation and wallet configuration stay hidden until usable.
Apple Wallet	Signed pass generation for active issued cards.	Customers and admins can download Apple Wallet passes when enabled.
Google Wallet	Signed save-link generation using issuer/class/service account settings.	Customers and admins can add active cards to Google Wallet when enabled.
Credential handling	Credential paths restricted to protected/wallet; Apple key password moved to environment.	Secrets are not stored in Gift Card settings and arbitrary file reads are blocked.
Logo handling	PNG upload validates type, size, dimensions, and controlled path.	Wallet branding is easier to manage without widening the file-read surface.
Security hardening	CSPRNG codes/tokens, no claim tokens in wallet passes, POST-only admin actions, and rate limiting.	GiftCards is safer for production rollout.

Installation Notes

- Deploy the updated GiftCards module files.
- Run `/admin/Admin/module/update/id/GiftCards` so the template table/routes are registered.
- Open `/admin/GiftCards/admin/giftCardTemplate/index` to seed default templates.
- Confirm the seeded default rows appear and can be edited.
- Open the designer and confirm template groups appear in the dropdown.

QA Focus Areas

- No authentication bypass on GiftCards admin routes.
- Gift Card Settings -> Templates renders for authorized admins.
- Default templates seed exactly once and do not duplicate after rename.
- Editing a default template preserves built-in artwork unless a source design is selected.
- Source saved designs can replace template artwork.
- Custom Design creates a white card preview.
- Store dropdown contains no Custom option.
- QR/barcode rendering still works in the designer.
- Existing gift card purchase/redemption flows remain module-gated.

Known Constraints for Version 1.0

- Fixed denominations only.
- Subproducts are used as value variants.

- One recipient choice per gift-card line item is assumed.
- Default template artwork still uses designer-side canvas functions unless replaced by a saved design snapshot.
- Email templates and scheduled expiry processing may need site-specific launch wiring.
- Production rollout should include order/payment end-to-end testing in the target store.