

# **Retail Point-of-Sale Financing Fairstone Payment Extension Magento Installation Guide**

**Version 1.0**

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## CONTEXT

The Fairstone finance service payment extension has been built adhering to Magento best practice and is a classic Magento payment extension. It is built on standard Magento capabilities and features, to maximize compatibility to as many Magento 2.3 / 2.4 LUMA based installations as possible.

These installation instructions assume that the reader is familiar with Magento 2.3 and above, installation and configuration of extensions and ideally also payment extensions. It is assumed that the person is in possession of or have access to all required credentials and keys for Fairstone onboarding.

The payment extension is configurable in the Magento administration backend, and a specific entry point has been created in the right hand-side menu. Further business configuration of the plug-in is described in a separate document.

## INTRODUCTION

The Fairstone payment connector is a privately distributed Magento connector. It interacts with the Fairstone Payment Gateway through a REST API to obtain the list of plans and to record the shopper's selection. Upon installation, the merchant must enter a key provided by Fairstone that uniquely identifies the merchant. That key must be stored on the platform to be retrieved and used during plan selection. The connector is integrated within the online store by the merchant. Once configured, it is presented as a payment option at checkout. The connector then fetches the available payment plans for the merchant, order amount and language through the API. The payment plans and their product SKUs<sup>1</sup> are returned. This allows the app to fetch the admin fee to be charged for any plan selected by the shopper. Once selected, the invoice is modified to reflect the admin fee along.

Once the shopper confirms the payment plan and checks out, UI control is given to the Fairstone payment gateway. The shopper will authenticate, authorize and confirm the purchase. Upon completion, UI control is relinquished back to Magento. The payment gateway will return an authorization token used to uniquely identify the purchase. It will also send an asynchronous message through a webhook specified by the connector to provide the official status of the transaction.

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<sup>1</sup> Mapping of SKUs is the responsibility of the Merchant and Fairstone.

## INSTALLING THE MAGENTO 2 FAIRSTONE PAYMENT EXTENSION

Please use the `--keep-generated` option in production.

### Install from Zip file

- Unzip the zip file in `app/code/Fairstone`
- Enable the module by running `php bin/magento module:enable Fairstone_Payment`
- Apply database updates by running `php bin/magento setup:upgrade`
- Flush the cache by running `php bin/magento cache:flush`
- Configure Fairstone payment method:
  - Go to [Configuration](#)
  - Set Enable Fairstone Payment to Yes
  - Fill Merchant Key, Merchant Hash and Secret
  - Click Test Connection button and make sure, that there are no error messages
- Go to [Admin Fee Management](#) in Magento admin and create admin fee with specific ID, name, price and tax class

### Install from Composer

- Make the module available in a composer repository for example:
  - private repository `repo.magento.com`
  - public repository `packagist.org`
  - public github repository as VCS
- Add the composer repository to the configuration by running `composer config repositories.repo.magento.com composer https://repo.magento.com/`
- Install the module composer by running `composer require fairstone/module-payment`
- enable the module by running `php bin/magento module:enable Fairstone_Payment`
- apply database updates by running `php bin/magento setup:upgrade`
- Flush the cache by running `php bin/magento cache:flush`
- Configure Fairstone payment method:
  - Go to [Configuration](#)
  - Set Enable Fairstone Payment to Yes
  - Fill Merchant Key, Merchant Hash and Secret

- Click Test Connection button and make sure, that there are no error messages
- Go to 0
- Manage in Magento admin and create admin fee with specific ID, name, price and tax class

### Configuring the Payment Extension

In Magento 2 admin panel go to *Stores -> Configuration*, click *Sales -> Payment Methods* and select *Fairstone*

An overview of the Fairstone payment method configurations

Table 1 Fairstone Magento Payment Extension Installation Configuration Parameters

Field	Description
<i>Enable Fairstone Payment</i>	Enable/Disable payment method. If disable - will be not visible in checkout
<i>Debug mode</i>	Enable debug mode. If enabled - all requests and responses between Magento and Fairstone API will be logged into file [magento_root]/var/log/fairstone.log
<i>Title</i>	The name for this payment method that appears to customers in order details and emails. Default value: "Fairstone"
<i>Environment</i>	Which environment will be used for sending data. Use Staging environment for testing and Production environment for live instances
<i>Merchant Key</i>	Store specific secret key
<i>Merchant Hash</i>	Fairstone-assigned account ID
<i>Secret</i>	This unique secret key will be used for signing payload to check if it's really was sent from specific merchant
<i>Test Connection Button</i>	Try to validate Merchant Key and Merchant Hash. If it is not correct - you will get error message
<i>Payment method logo</i>	Determines the Fairstone payment method logo that appears in store checkout
<i>New Order Status</i>	Determines the initial order status assigned to orders paid by a check or money order. Default value: Pending
<i>Payment from Applicable Countries</i>	Determines the countries from which you accept payment by check or money order. Options: All Allowed Countries / Specific Countries
<i>Payment from Specific Countries</i>	Identifies the specific countries from which you accept payment by check or money order
<i>Sort Order</i>	A number that determines the order that Fairstone payment method appears when listed with other payment methods during checkout. Enter 0 to place it at the top of the list

## Manage Admin Fee

Merchant can manage Administration fee, that can be added to order totals in case of Fairstone payment option selection. This admin fee can have tax class (taxable), like Magento product. Steps to create new admin fee:

- Go to Fairstone -> Manage Fee

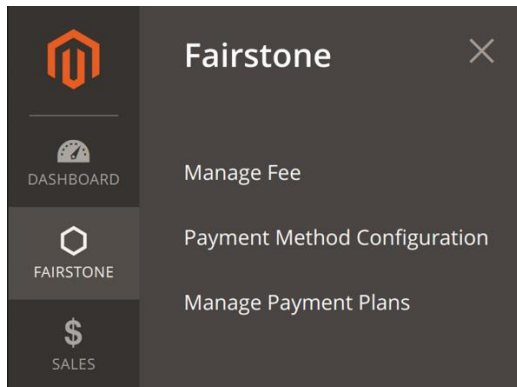


Figure 1 Fairstone Magento Configuration Quick links

- 1) Click button Add a new fee
- 2) Fill all required fields in form
- 3) Click Save fee



# INSTALLING THE MAGENTO 2 FAIRSTONE PAYMENT CALCULATOR MODULE

## Payment Calculator High Level Description

The payment calculator is a promo tool to make customers aware of the fairstone services that they can use. The main functionality is displaying & calculation of the down payment rates to be shown on product detail page and products listing page.

## Payment Calculator Installation

in production please use the `--keep-generated` option

### Installation from Zip file

- Unzip the zip file in `app/code/Fairstone`
- Enable the module by running `php bin/magento module:enable Fairstone_Payment`
- Apply database updates by running `php bin/magento setup:upgrade`

### Go to

- Payment Calculator Configuration and make sure, that calculator functionality is enabled
- Flush the cache by running `php bin/magento cache:flush`

## Installation using Composer

- Make the module available in a composer repository for example:
  - private repository `repo.magento.com`
  - public repository `packagist.org`
  - public github repository as VCS
- Add the composer repository to the configuration by running `composer config repositories.repo.magento.com composer https://repo.magento.com/`
- Install the module composer by running `composer require fairstone/module-calculator`
- enable the module by running `php bin/magento module:enable Fairstone_Calculator`
- apply database updates by running `php bin/magento setup:upgrade`

### Go to

- Payment Calculator Configuration and make sure, that calculator functionality is enabled
- Flush the cache by running `php bin/magento cache:flush`

### Payment Calculator Configuration

In Magento 2 admin panel go to Stores -> Configuration. Then click Fairstone -> Calculator

An overview of the Fairstone calculator configurations

Field	Description
<i>Enable Calculator</i>	Enable/Disable calculator. If disabled - it will be not visible on PDP and PLP
<i>URL link</i>	Setup URL of a page, through which customers can become Fairstone clients

### Manage Payment Plans for Payment Calculator

- Go to Fairstone -> Manage Payment Plans
- Click Add a new payment plan
- Fill payment plan form and click Save payment plan

Field	Description
<i>Minimum Value</i>	Min product price. Current payment plan will be visible for this product if his price will be equal or above
<i>Maximum Value</i>	Max product price. If price is above - current plan will be not applicable for this product
<i>Down Payment Duration</i>	Plan duration in months
<i>Is Active</i>	Enable / Disable plan

## **LICENSE**

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