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Welcome to Lightspeed Retail POS + Magento

Module Connector v2.X - Documentation



lightspeedRetail

+

MAGENTO 1



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Module Connector v2.1.X - Documentation
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Overview

The module connector allows a bi-synchronization between Lightspeed Retail POS and Magento eCommerce platform Community Edition or Enterprise Edition.

The module was built with the goal of using Lightspeed as the source content feeder (Master Catalog), and Magento as a distribution channel.

Out of the box, the module connector offers an **Omni-channel environment**. With all Management centralized in the Retail Point of Sales system. After syncing initialized, catalog datas are pulled to Magento and completed orders are pushed back to Lightspeed keeping the inventory up-to-date and latency to a minimum.

Smart HASH Catalog logic was implemented to sync only changes detected from Lightspeed. I.E. A product description changes in Lightspeed, there's a hash code mismatch with the Magento version, hence that SKU is flagged to be part of the next available sync.

Lightspeed API bucket size range from 30/90, our module conforms to the Bucket's range.



Definition

Lightspeed Retail

Product carried by the Lightspeed HQ company. It is a cloud-based POS system, with everything you need to manage inventory effectively and intuitively.

Magento eCommerce

Amazing expandability and robustness for businesses looking for a solid platform to sell online. Magento eCommerce offers great capability to integrate with 3rd party services.

Lightspeed + Magento connector

Simply a bridge connector developed to marry both platforms together and make them work seamlessly hands in hands.



The connector offers robust and intelligent capabilities to handle different limitations and integrate with ease with different store environments.

This documentation will illustrate all features and operations logic. If you have any specific questions or concerns, kindly drop us a line from the Support section.



Module Connector v.2 features

In red find all the new additions compared to the connector deprecated version 1.

- Catalog syncing
 - Simple Products
 - Name
 - SKU
 - Descriptions
 - Price
 - Tax Class
 - Images
 - Additional images support on Magento side
 - Multiple images from LS mapped as gallery
 - Inventory
 - Stock levels
 - Products changes (Hash used for version comparison)
 - Inventory status
 - Backorder support
 - Configurable Products (known as Matrix in LS)
 - Color/Size support
 - Association with related Simple Products
 - Configurable products SKU in Magento: prefix **CONF-LS-**
 - Categories
 - Subcategories
 - Sub-Subcategories
- Orders syncing
 - “Completed” orders status instantly pushed to LS
 - Order sync status in Grid
 - RED: Synced (with direct link to attached order in Lightspeed)
 - GRAY: Pending sync (clickable to manually Sync it if needed)
 - YELLOW: Not syncable



- Syncing methods
 - Manual syncing buttons (up to 500 latest)
 - Product' sync on Catalog>Products
 - Initial sync button in System>Config
 - Import products sync
 - Initial import sync
 - CRON job (recurrent sync)
 - Retry "Pending sync" orders
 - Update inventory levels
 - Sync catalog products with unmatched hashes
- Manufacturers
 - LS manufacturers populated as attribute **lsmanufacturers** in Magento
- Payment Methods
 - Maps to existing "Card Payment" in LS
- Configuration
 - Map specific LS store to specific Magento store
 - Lightspeed store ID (if multiple shop location enabled in LS, default is 1)
 - Magento website/store ID (Magento store view to map with)
 - The register ID to work with
 - Lightspeed register ID (if multiple shop location is enabled in LS, default is 1.)
 - Employee ID
 - Lightspeed employee ID (API key requester)
 - Skips orders before
 - Date to sync orders from
 - Shipping mapping
 - If unspecified
 - "cost" field in LS is used for shipping costs
 - Specified non-inventory item
 - Define the item ID to include as Sales Item
- API features for Developers
 - Extensive logs stored in db, 30-days accessible from admin
 - Throw error with full details
 - Module conforms to LS API Leaky Bucket implementation



Catalog synced fields

'name' =>

'short_description' =>

'description' =>

'width' =>

'height' =>

'length' =>

'weight' =>

'price' =>

'categories' =>

'images' =>

'additional_attributes' =>

'last_updated' =>

'brand' =>



Standard Magento installation

Step 1. Log in and download the package from your account at [Maurisource.com/store](https://maurisource.com/store) under “My downloadable products”

Step 2. Upload and Install on your store using System > Magento Connect > Magento Connect Manager. Upload the compressed file there and wait for success message. If unsuccessful extract package and Merge content of “Maurisource_Lightspeed” into your Magento root folder manually.

Step 3. Flush Magento Cache and Logout / Login admin panel again.

Authorization

Authorization of the module has changed since Lightspeed’s OAuth2 implementation. Lightspeed no longer uses the API Key and will be deprecated on 1st of January 2017.

Please follow the guideline illustrated on the the [Help Center](#) to connect the module to your Lightspeed Retail account.

Other instruction articles can be found here:

<https://maurisource.zendesk.com/hc/en-us/categories/202582267-LIGHTSPEED>



Lightspeed Configuration Settings

[Full resolution image here](#)



Settings

Enabled	<input type="text" value="No"/>	[GLOBAL]	→ Swith module On/Off
License Key	<input type="text" value="0016a39a9d72d045aa1cebcc68"/> <small>▲ This is the License Key you received via email when you bought the module.</small>	[GLOBAL]	→ Secure a OAuth connection with your Lightspeed Retail account. This step replaced the obsolete API KEY
	<div style="border: 1px solid yellow; padding: 5px;"><small>Step 1. Paste your License key above and Save Config. Step 2. Authorize the application to Access your Lightspeed Retail account following this link. Maurisource Lightspeed API Registration Having troubles? Check Help Center for steps by steps</small></div>		
Employee Id	<input type="text" value="1"/>	[GLOBAL]	→ Employee ID is usually the Lightspeed admin who made the initial authorization
Shop Id	<input type="text" value="1"/>	[GLOBAL]	→ Change only if you have multi-shop location
Register Id	<input type="text" value="1"/>	[GLOBAL]	→ and want to map the sync to a specific one
SKU suffix	<input type="text"/> <div style="border: 1px solid yellow; padding: 5px;"><small>important: If specified this will add a suffix to your existing SKUs, use only if existing catalog SKUs are preventing syncing</small></div>	[GLOBAL]	→ Leave empty. Only to be used to alter existing Magento SKUs in the way of the product syncing
Root Category To Sync	<input type="text" value="Default Category"/>	[GLOBAL]	→ Define the Root Category to sync with
Sync To Websites	<div style="border: 1px solid gray; padding: 5px;"><input checked="" type="checkbox"/> All <input type="checkbox"/> Main Website <input type="checkbox"/> Wholesale</div>	[GLOBAL]	→ Define which website all products and orders will sync to
Shipping Item Id	<input type="text" value="9"/>	[GLOBAL]	→ Leave blank to not attach with SalesLines
Cloud LightSpeed domain to use	<input type="text" value="east32.merchantos.com"/> <small>▲ This will be use for linking to the order on POS</small>	[GLOBAL]	→ Found in URL after login Lightspeed
Order Date	<input type="text"/> <small>▲ Date from which order will be sync to Lightspeed. Leave Blank for all orders</small>	[STORE VIEW]	→ Define to ignore past orders
	<div style="border: 1px solid orange; padding: 2px; display: inline-block;">Sync Now</div> <small>▲ This will import Catalog data from Lightspeed to Magento</small>	[GLOBAL]	→ Useful for small catalogs, otherwise it may hit a Php max execution timeout
	<div style="border: 1px solid orange; padding: 2px; display: inline-block;">Reset</div> <small>▲ This will reset the lock file if update has crashed.</small>	[GLOBAL]	→ Terminate any ongoing sync



Employee ID. Find your Employee ID. Select the same admin Employee that authorized access to the Integration i.e. "Magento Admin" (That way in reports you'll know exactly where the sales are coming from)

1. Go to Setting > Employee Setup
Hover your mouse over an Employee and you'll see a suffix at the end of the URL
`form_name=view&name=admin.views.employee&id=1`

The screenshot displays the Maurisource admin interface. The sidebar on the left contains the following menu items: Sales, Web Store, Inventory, Customers, Reports, and Settings. The main content area is titled 'Employees' and shows a table with one employee named 'manesh'. The URL in the browser's address bar is `https://east32.merchantos.com/?form_name=view&name=admin.views.employee&id=1`, with a red arrow pointing to the `id=1` part of the URL.



Shop ID. By default it's 1. (Optional: for multiple-shop location setup in Lightspeed, If you want your inventory to match a specific store location, then you can change it here.)

1. Find the Shop ID under Settings > Shop as shown on screenshot below

SHOP NAME	ADDRESS 1	ADDRESS 2
maurisource	100	

[New Shop Location](#)

https://east32.merchantos.com/?form_name=view&name=admin.views.shop&id=2



F - Register ID. By default it's 1. Optional: If you have multi-shop locations setup, then you have different Register ID. (This sets to which Register you want your Magento orders to sync with.)

Find your Register ID under the actual shop. (watch the recording below)

<http://recordit.co/VZFEcwRbaP>

G - Sync to website. To which Magento website you want your products and orders to sync with? It can be all of them, or a specific one.

H - Shipping Item ID. (Optional). You can create a non-inventory product in LS to append your shipping cost to it and have better understanding on your Reports. I.E. "CUSTOMER SHIPPING"

If you don't specify anything, Shipping will be mapped as "cost" by default in your Totals in LS.

If you do specify the Shipping Item ID, Shipping will still be mapped as "cost" by default in your Totals + the non-inventory Item ID will be included under your **Sale Lines** as below.

The screenshot shows a software interface for a transaction report. The top header includes 'New Shop Location Register B', 'manesh sonah', and 'REPORTS Transaction / Transaction ID: 767, \$7590.04'. Below the header are buttons for 'Save Changes', 'Re-Open', and 'Print Quote'. A left sidebar contains navigation options: Lock, Sales, Web Store, Inventory, Customers, Reports, and Settings. A central menu lists 'Details', 'Payments', 'Lines', 'Shipping', 'Email', 'Event Log', and 'Void Sale'. The main content area displays 'Sale Lines' with a table of 3 results. The table has columns for ITEM, CLASS, EMPLOYEE, QTY., and PRICE. The rows are: 'Testing product' (Item, Manesh Sonah, 1, \$6678.00), 'Magento Test Product' (Item, Manesh Sonah, 1, \$30.00), and 'CUSTOMER SHIPPING' (Item, Manesh Sonah, 1, \$10.00). Below the table is an 'Inventory Lines' section with the message 'No lines were found.'

ITEM	CLASS	EMPLOYEE	QTY.	PRICE
Testing product	Item	Manesh Sonah	1	\$6678.00
Magento Test Product	Item	Manesh Sonah	1	\$30.00
CUSTOMER SHIPPING	Item	Manesh Sonah	1	\$10.00



I - Cloud Lightspeed domain to use. This is attributed to you once you've created a Lightspeed Retail account based on your location.

To find it: Once you logged in Lightspeed Retail, this is the domain you see in your web browser: I.E <https://east32.merchantos.com/>

Only input this under settings: us.merchantos.com

J - Order date. If you want to set a timestamp for orders syncing in order to ignore orders before a certain date, this is where you do it.

K - Sync now. Trigger an initial sync (up to 500 products) ideal to test if things are working. It's limited to 500 recent products to avoid possible timeouts. This is not a replacement to using Magento's default CRON.

The manual sync button can also be seen under Catalog > Manage products (Top-Right section) there will be a button named "Import from Lightspeed)

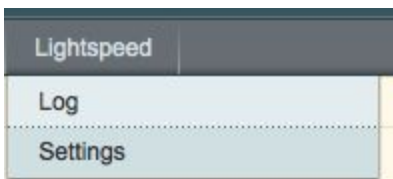


Extra admin UI features

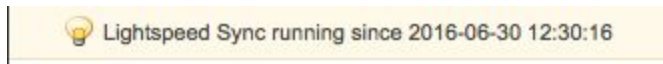
1. The manual sync button can also be seen under Catalog > Manage products (Top-Right section) there will be a button named “Import from Lightspeed”)



2. New Lightspeed shortcuts to Settings and Logs in navigation panel.



3. Last executed sync notification



4. Lightspeed > Log is for developers/admin to monitor syncing errors if any may arise.



5. Sales > Orders. There is a new Lightspeed column in grid. (easy view of properly synced orders and problematic ones.) See icons color meanings here: [Order sync status in Grid](#)

Orders Create New Order

Page 1 of 1 pages | View 20 per page | Total 17 records found | [New Order RSS](#) | Export to: CSV | [Export](#) | [Reset Filter](#) | [Search](#)

Select Visible | Unselect Visible | 0 items selected | Actions | [Submit](#)

	Order #	Purchased From (Store)	Purchased On	Bill to Name	Ship to Name	G.T. (Base)	G.T. (Purchased)	Status	Action	Lightspeed
Any			From: To:			From: To:	From: To:			
<input type="checkbox"/>	10000017	Main Website Main Website Store Default Store View	Jun 2, 2016 2:53:14 PM	Manesh Test	Manesh Test	CA\$911.00	CA\$911.00	Complete	View	
<input type="checkbox"/>	10000016	Main Website Main Website Store Default Store View	Jun 1, 2016 3:30:34 PM	Manesh Test	Manesh Test	CA\$865.70	CA\$865.70	Complete	View	
<input type="checkbox"/>	10000015	Main Website Main Website Store Default Store View	May 16, 2016 11:46:28 AM	Manesh Test	Manesh Test	CA\$157.97	CA\$157.97	Complete	View	
<input type="checkbox"/>	10000014	Main Website Main Website Store Default Store View	May 16, 2016 11:41:49 AM	Manesh Test	Manesh Test	CA\$394.93	CA\$394.93	Canceled	View	
<input type="checkbox"/>	10000013	Main Website Main Website Store Default Store View	May 16, 2016 11:28:13 AM	Manesh Test	Manesh Test	CA\$39.49	CA\$39.49	Complete	View	
<input type="checkbox"/>	10000012	Main Website Main Website Store Default Store View	May 3, 2016 3:19:47 PM	test test	test test	CA\$7,217.24	CA\$7,217.24	Canceled	View	
<input type="checkbox"/>	10000011	Main Website Main Website Store Default Store View	May 3, 2016 1:42:22 PM	test test	test test	CA\$7,587.64	CA\$7,587.64	Complete	View	

6. Overview of actual Simple Product attribute mapping (Color/Size and Manufacturer). From the Lightspeed tab in any Simple Product with Attrib. Set Name "Lightspeed".

Choose Store View:
Default Values

Product Information

- General
- Prices
- Meta Information
- Images
- Recurring Profile
- Design
- Gift Options
- Lightspeed**
- Inventory
- Websites

Vintage Popover Blue Chambray XXL (Lightspeed)

Lightspeed

Color: Blue Chambray

Size: XXL

Manufacturer: Stutterheim



Manufacturers from Lightspeed

Pulled from Lightspeed to Magento they can be found under the attribute "Ismanufacturers"

They are automatically pulled and viewable from **Catalog > Attributes > Manage Attributes > "Ismanufacturers" > Manage options / labels**

Edit Product Attribute "Manufacturer"

 If you do not specify an option value for a specific store view then the default (Admin) value will be used.

Manage Titles (Size, Color, etc.)

Admin	Default Store View
<input type="text" value="Manufacturer"/>	<input type="text"/>

Manage Options (values of your attribute)

Admin	Default Store View	Position	Is Default	
-------	--------------------	----------	------------	--

Lightspeed Manufacturer List

Lightspeed Id	Manufacturer
1	Jane Iredale
2	Dr. Hauschka
3	Brittanie's Thyme
4	Good Clean Love
5	Lurk
6	Wakaya
7	Beard Balm
8	Grateful Body
9	Pura Botanica
10	Intelligent Nutrient
11	Humble Brush
12	Organic Essence



You can edit the attribute Frontend settings in the Properties tab to allow showing on frontend

Matrix / Configurable products

Called Matrix in Lightspeed and Configurable Products in Magento.

The module will sync Color/Size or combination of both as Configurable type in Magento.

No SKUs are existent in Lightspeed for Matrix elements, only IDs. So in Lightspeed we attached the SKU prefix **CONF-LS-** following the Lightspeed ID.

I.E **CONF-LS-5** (relates to the ID element 5 in Lightspeed)

Inventory works as by default in Magento's Configurable Products and is controlled by Associate Products which are the Simple Products associated to it. (*Associated Products* can be found in any Configurable Product tab see screenshot)



As per screenshot below you see 2 simple products mapped to the Matrix / Configurable products synced from Lightspeed Retail.

Chalkstripe GL2 Pant (Lightspeed)

[Back](#)
[Reset](#)
[Delete](#)
[Duplicate](#)
[Save](#)
[Save and Continue Edit](#)

- Prices
- Meta Information
- Images
- Design
- Gift Options
- Lightspeed
- Inventory
- Websites
- Categories
- Related Products
- Up-sells
- Cross-sells
- Product Reviews
- Product Tags
- Customers Tagged Product
- Custom Options
- Associated Products**

Quick simple product creation

Name * [STORE VIEW]
Autogenerate

SKU * [GLOBAL]
Autogenerate

Weight * [GLOBAL]

Status * [WEBSITE]

Visibility * [STORE VIEW]

Color *

Size *

Qty *

Stock Availability

[Quick Create](#)

Super product attributes configuration

Price values for options should be specified in system base currency.
Attribute names can be specified per store.

Color	Attribute Name: <input type="text" value="Color"/>	<input type="checkbox"/> Use default (Color)
	Option: Grey	Price: <input type="text"/> Fixed
Size	Attribute Name: <input type="text" value="Size"/>	<input type="checkbox"/> Use default (Size)
	Option: 1	Price: <input type="text"/> Fixed
	Option: 3	Price: <input type="text"/> Fixed

Page of 1 pages | View per page | Total 2 records found [Reset Filter](#) [Search](#)

<input checked="" type="checkbox"/>	ID	Name	Attrib. Set Name	SKU	Price	Inventory	Color	Size	Action
<input checked="" type="checkbox"/>					From: <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
<input checked="" type="checkbox"/>	2337	Chalkstripe GL2 Pant Grey 1	Lightspeed	21000002287	CAS\$1,375.00	Out of Stock	Grey	1	Edit
<input checked="" type="checkbox"/>	2622	Chalkstripe GL2 Pant Grey 3	Lightspeed	21000002572	CAS\$1,375.00	Out of Stock	Grey	3	Edit



Support & Terms

Maurisource provides free updates to this module branch 2.x.x, based on recommendations and bugs reported by our trusted customers. Newly release versions will be deployed frequently and can be found under “my account” . Following same installation guidelines. (Don't worry, your settings won't be overridden when upgrading.)

We provide 1 free installation support per license domain. If you need more installations on other domains, you will need to place new orders respectively.

Here's our 2 support channels:

support@maurisource.zendesk.com

<https://maurisource.com/store/support/>

IMPORTANT: Usage of this module is limited to 1 license per domain as agreed by our [Terms of use](#). If you need multiple license to use with other domains please place your order again and have proper support for your products. **Breaching our softwares will result in immediate account termination and in some cases appropriate legal actions.**

Thank you, and looking forward doing business with you.

M.Sonah @ <https://maurisource.com>

Change logs

[Lightspeedv2 Live feed](#)