

# Search Spell Correction Manual

## Welcome to the Search Spell Correction Guide!

Our **Search Spell Correction** extension is a simple, yet powerful component that will allow you to correct all misspells, that customers can do in queries.

First, please find your extension in your account in [My Downloadable Products](#) section, then proceed with the [Installation](#). It is best to follow our step-by-step guide to configure the best search results.

### Go ahead, dive in!

Our extension works out-of-the-box, so after installation, you need just to tune-up its [settings](#) for more effective work.

This should be a good beginning!

## Extension installation

1. Backup your store's database and web directory.
2. Login to the SSH console of your server and navigate to the root directory of the Magento 2 store.
3. Copy the installation instructions from the page [My Downloadable Products](#) to the SSH console and press ENTER.
4. Run command `php -f bin/magento module:enable Mirasvit_Core Mirasvit_Misspell` to enable the extension.
5. Run command `php -f bin/magento setup:upgrade` to install the extension.
6. Run command `php -f bin/magento cache:clean` to clean the cache.

7. Deploy static view files

```
rm -rf pub/static/frontend/*; rm -rf pub/static/backend/*; rm -rf  
var/view_preprocessed/*; php -f bin/magento setup:static-  
content:deploy
```

8. Run command `php -f bin/magento indexer:reindex mst_misspell` to reindex the extension index.

## Extension installation

1. Backup your store's database and web directory.
2. Login to the SSH console of your server and navigate to the root directory of the Magento 2 store.

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5. Run command `php -f bin/magento setup:upgrade` to install the extension.
6. Run command `php -f bin/magento cache:clean` to clean the cache.

7. Deploy static view files

```
rm -rf pub/static/frontend/*; rm -rf pub/static/backend/*; rm -rf var/view_preprocessed/*; php -f bin/magento setup:static-content:deploy
```

8. Run command `php -f bin/magento indexer:reindex mst_misspell` to reindex the extension index.

## Configure Search Spell Correction

All configuration options are located at **Store -> Configuration -> Mirasvit Extensions -> Search Spell Correction** section.

There are only two options for now. In both, our extension analyzes a customer's request and tries to find products whose names are most close to the original request.

- **Enable spell correction** - enables automatic spelling correction.

### Example

Let's assume that your store has '*Samsung*' products in the catalog.

When customer accidentally misspells *Samsang* phone, default Magento search will return nothing, since you have no such a product.

But with this option enabled, the customer will be notified about potential misspelling and will see the results for the corrected search phrase *Samsung* phone.

- **Enable fallback search** - enables searching for partial request satisfaction, when there are no results for the original request.

### Example

Let's assume that customer puts a phrase *red samsung* phone to the search, but you have only *samsung* phone product.

If the store has no such a product, the default Magento search also will return nothing.

But with this option enabled, the customer will be notified about the error, and will receive results by the correct search phrase *samsung* phone.

# Upgrade the Extension

To upgrade the extension, follow these steps:

1. Backup your store's database and web directory.
2. Login to the SSH console of your server and navigate to the root directory of the Magento 2 store.
3. Run command `composer require mirasvit/module-misspell:* --update-with-dependencies` to update current extension with all dependencies.

## Note

In some cases, the command above is not applicable, or it's not possible to update just the current module, or you need to upgrade all Mirasvit modules in a bundle. In this case, the command above will have no effect.

Run instead `composer update mirasvit/*` command. It will update all Mirasvit modules installed in your store.

4. Run command `php -f bin/magento setup:upgrade` to install the updates.
5. Run command `php -f bin/magento cache:clean` to clean the cache.
6. Deploy static view files

```
rm -rf pub/static/frontend/*; rm -rf pub/static/backend/*; rm -rf  
var/view_preprocessed/*; php -f bin/magento setup:static-  
content:deploy
```

# Disabling the Extension

## Temporarily Disable

To temporarily disable the extension please follow these steps:

1. Login to the SSH console on your server and navigate to the root directory of the Magento 2 store.
2. Run command `php -f bin/magento module:disable Mirasvit_Misspell` to disable the extension.
3. Log in to the Magento backend and refresh the store cache (if enabled).

## Remove the Extension

To uninstall the extension, please follow these steps:

1. Login to the SSH console of your server and navigate to the root directory of the Magento 2 store.
2. Run command `composer remove mirasvit/module-misspell` to remove the extension.
3. Run command `php -f bin/magento setup:upgrade`.

4. Completely clear the store cache.

Go to **System > Cache Management**. Click the button **Flush Magento Cache**. *If you want to clear the cache manually, remove the folder `var/cache` on the server.*

# Change Log

## 1.0.40

(2021-12-14)

### Fixed

- wrong event blocking advanced search
- 

## 1.0.39

(2021-06-30)

### Improvements

- Wrong store url in autocomplete results
  - Misspell corrects second search attempt
  - Fallback run out of memory
- 

## 1.0.38

(2020-10-15)

### Improvements

- Misspelling corrections
- 

## 1.0.37

(2020-07-28)

### Improvements

- added comment for incompatibility with Fast Mode Autocomplete
- Speedup spell correction

### Fixed

- misspell run on every new query
  - improve misspell results
  - fallback functionality improvements
- 

## 1.0.36

*(2020-03-16)*

- Code refactoring

## 1.0.35

*(2020-01-24)*

### Improvements

- Improve performance with InnoDB tables
- 

## 1.0.34

*(2019-10-08)*

### Fixed

- Misspell split functionality
  - Set misspell tables to MyISAM engine
- 

## 1.0.33

*(2019-09-18)*

### Fixed

- Spell correction don't return suggested result
- 

## 1.0.32

*(2019-08-13)*

### Fixed

- Marketplace compatibility
- 

## 1.0.31

*(2019-05-27)*

**Fixed**

- Generators cannot return values using “return”
- 

## 1.0.29

*(2019-02-12)*

**Fixed**

- Allowed memory size error
- 

## 1.0.28

*(2018-11-29)*

**Fixed**

- Compatibility with Magento 2.3
- 

## 1.0.27

*(2018-10-01)*

**Fixed**

- ECHO
- 

## 1.0.26

*(2018-09-19)*

**Fixed**

- Issue with first suggesting in some cases
- 

## 1.0.24

*(2018-05-31)*

**Fixed**

- Issue with indexation cyrillic terms
- 

## 1.0.23

*(2018-04-11)*

### Fixed

- Issue with error 22003
- 

## 1.0.22

*(2017-12-25)*

### Improvements

- Integrated with Search Autocomplete
  - Added Reindex validator
- 

## 1.0.21

*(2017-12-13)*

### Improvements

- Fallback search logic
- 

## 1.0.20

*(2017-11-17)*

### Fixed

- Issue with \_cl table
- 

## 1.0.19

*(2017-10-26)*

### Fixed

- Possible issue with null values during indexation
- 

## 1.0.18

*(2017-09-28)*

## **Fixed**

- Issue with calculation number of results for suggested search phrase
- 

## **1.0.17**

*(2017-09-26)*

## **Fixed**

- M2.2
  - Issue with highlighting
- 

## **1.0.16**

*(2017-08-09)*

## **Fixed**

- Issue with check zero result
- 

## **1.0.15**

*(2017-07-12)*

## **Fixed**

- Issue with Changelog changes
- 

## **1.0.14**

*(2017-07-10)*

## **Improvements**

- Fallback search logic
- 

## **1.0.13**

*(2017-06-20)*

## **Fixed**

- Compatibility issue with Amasty Shopby
-

## **1.0.12**

*(2017-05-10)*

### **Improvements**

- Remove spell correction index if it disabled
- 

## **1.0.11**

*(2017-04-11)*

### **Improvements**

- Switched to API interfaces
- 

## **1.0.10**

*(2017-02-20)*

### **Improvements**

- Changed all string fuctions to mb\_\*
- 

## **1.0.9**

*(2017-02-03)*

### **Improvements**

- Added Recurring setup script for check fulltext indices
- 

## **1.0.8**

*(2016-11-21)*

### **Improvements**

- Compatibility with M 2.2.0
- 

## **1.0.7**

*(2016-06-24)*

### **Fixed**

- Compatibility with Magento 2.1
- 

## 1.0.6

*(2016-06-16)*

### Fixed

- Fixed an issue with changing index mode for misspell index
- 

## 1.0.5

*(2016-04-27)*

### Improvements

- Improved extension performance
- i18n

### Documentation

- Updated installation steps
- 

## 1.0.4

*(2016-02-23)*

### Fixed

- Fixed an issue with segmentation fault during reindex (PHP7)
- 

## 1.0.3

*(2016-02-07)*

### Documentation

- Added user manual