



**Symphony Interactive**

Wordpress Md5 Software License Plugin

## Overview

Symphony Interactive requires a Wordpress plugin that will allow customers to register/license their software products to a specific device. After purchasing a product, the customer will receive a confirmation email with the product code and a URL to a registration page. The plugin concatenates the product code, serial number and a secret salt and returns an upper case MD5 hash key to the user. The plugin will send the user a confirmation email containing the MD5 hash key.

This plugin will be designed for the Symphony Interactive web site, but will also be sold on the Symphony Interactive web store along with the AMX & Crestron modules to allow another developer to incorporate the same system into their own website.

## System Info

The web site is hosted on a Digital Ocean VPS. The site is designed in Wordpress and uses the U-Design Wordpress theme. The Plugin must be compatible with the theme and the associated plugins.

### Relevant Links

Symphony Interactive Web Site: <http://www.symphonyinteractive.com>

Digital Ocean: <http://www.digitalocean.com>

U-Design Theme - <http://themeforest.net/item/udesign-responsive-wordpress-theme/253220>

## Design Considerations

### Functionality

After purchasing software through the Symphony Interactive web store (controlled by WooCommerce) the user will be emailed instructions and an URL to visit to register/license their software. This will take the user to a registration page on the web site controlled by the plugin. The page will include intro text and form fields.

**The registration page allows a user to enter:**

- Product code
- Email Address (used for confirmation email)
- Serial number of the device they are licensing the product to.

Upon the user pressing SUBMIT the plugin concatenates the product code, serial number and a secret salt and returns an upper case MD5 hash key to the user.

A confirmation email will be sent to the user after successfully registering the product. The email will contain a confirmation message that they have successfully registered the software, and the MD5 hash key displayed in upper case characters.

## Admin Programmable Settings/Fields

The admin area will be accessible from a link in the Settings button of the Wordpress dashboard, and from a link on the Wordpress plugins page of the dashboard. A mockup of the desired setup is included at the end of this document.

**The Admin area will be split up into 5 sections:**

- An introduction section
- A section to program the MD5 salt
- A section to enter a verification email
- A section to configure the styling of the confirmation email
- A section to edit the text on the Product Registration page

The Admin settings page will contain Symphony Interactive branding. There will be a small Symphony Interactive logo, an email link, a link to the web site, and a link to the plugin's product page on the site.

### Intro Section

This section will contain a brief overview of the plugin.

### MD5 Settings Section

The secret MD5 Salt will be set in a field in this section. Instructions above the field will instruct the user to only use upper case characters when submitting the key. **The Salt must be hidden, and secure after submission.**

### Verification Email Section

The site admin will be able to enter an email address in this field. An email will be sent to the inputted address anytime a customer registers a product.

### Confirmation Email Settings Section

This section will control the styling of the registration confirmation email. This will include:

- The ability to upload a custom logo
- Optional fields to enter company information (web site address, email address, product support link, phone number)
- Fields to enter the email content (subject, body). The Content field will allow HTML formatting.

## Software Registration Page Settings

The Admin will be able to edit the intro text on the Product Registration page (see mock-up at the end of the document).

## Customer Registration Confirmation email

The customer confirmation of registration email will include a header with a logo, a link to the company web site, an email link, and a phone number as per the settings in the plugin Admin.

The body of the email will contain some descriptive text, and the uppercase MD5 key (see screenshot at the end of the document).

## Plugin Updates

The plugin will require updates to ensure compatibility with future Wordpress versions.

# Mock-ups

## Plugin Admin Settings Mock-up

General Settings • Symphony X

← → ↻ symphonyinteractive.ca/blog/wp-admin/options-general.php

Symphony Interactive - Interactive Design... New SEO BackWPup U-Design Howdy, Help

**Wordpress MD5 license plugin**  
By Symphony Interactive

This plugin allows customers to register/license software to a specific device. Upon submission, the customer will be able to view an uppercase MD5 hash key. They will also receive a confirmation email containing the key.

**MD5 Settings**  
Enter MD5 Salt in all uppercase characters  
 [Save Changes](#)

**Verification Email Settings**  
An email will be sent to this address anytime a customer registers a product.  
 [Save Changes](#)

**Confirmation Email Settings**  
Use these settings to configure the product registration confirmation email sent to the customer.

**Logo**  
 [Browse](#)  
Enter logo URL or use browse button to add logo  
If no logo image is uploaded, the Company Name from the Company Info field below will be used.

**Company Info**

|                      |                      |
|----------------------|----------------------|
| Company Name         | Email Address        |
| <input type="text"/> | <input type="text"/> |
| Phone Number         | Web Site Address     |
| <input type="text"/> | <input type="text"/> |

**Email Content**

Email Subject

Email Content (html allowed)  
  
[Save Changes](#)

**Product Registration Page Text**  
Edit the intro text on the Product Registration page (HTML allowed).  
  
[Save Changes](#)

## Registration Confirmation Email Mock-up

[Logo or Company Name]

[Web Site Address] • [Email Address] • [Phone Number]

You have successfully registered your [ **Company Name** ] product. Use the MD5 key below to complete the activation of your product.

[MD5 Key]

## Web Site Registration Page Mock-up

Blank - Symphony Interac
symphonyinteractive.ca/blank/
Call Us: +1 (905) 727-4427


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### Software Registration

Enter your product information below. After submitting the information, you will be able to view an MD5 hash key required to complete your product activation. You will also receive a confirmation email containing the key.

Email Address

Serial Number

Product Number

**Submit**

#### Contact:

**Address:**  
5191 Creekbank Rd. Suite e5  
Mississauga, ON  
L4W 1R3

**Phone:**  
+1 (905) 727-4427  
+1 (855) 727-4427

#### Map



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