

PhpSpreadsheet for WordPress

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Tags: excel, spreadsheet, export, phpoffice, reports

Requires at least: 5.0

Tested up to: 6.4

Requires PHP: 7.4

Stable tag: 1.2.0

License: MIT








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Integrates PhpSpreadsheet library into WordPress for Excel file generation with seamless compatibility for existing WordPress code.

Description

PhpSpreadsheet for WordPress is a comprehensive plugin that seamlessly integrates the powerful PhpSpreadsheet library into your WordPress installation. This plugin enables developers to generate professional Excel files directly from WordPress without complex setup procedures.

Key Features

-  **One-Click Installation** - Automatically downloads and configures PhpSpreadsheet
-  **Excel Generation** - Create professional Excel files with formatting, charts, and formulas
-  **Zero Code Changes** - Works with existing WordPress code that uses PhpSpreadsheet
-  **Admin Management** - Easy installation and status monitoring through WordPress admin
-  **Secure** - Follows WordPress security best practices
-  **Compatible** - Works with themes, plugins, and custom code
-  **RTL Support** - Full support for right-to-left languages like Hebrew and Arabic

Perfect For

- **Educational Institutions** - Generate student reports and academic data exports
- **Business Applications** - Create financial reports, inventory exports, and data analysis
- **E-commerce Sites** - Export order data, product catalogs, and customer information
- **Government Agencies** - Generate compliance reports and administrative documents
- **Non-profits** - Create donor reports, volunteer schedules, and program statistics

Developer-Friendly

This plugin is designed to work seamlessly with existing code. If you already have WordPress code that uses PhpSpreadsheet, this plugin will make it work without any modifications.

php

```
// Your existing code continues to work
if (class_exists('PhpOffice\PhpSpreadsheet\Spreadsheet')) {
    $spreadsheet = new \PhpOffice\PhpSpreadsheet\Spreadsheet();
    // Your Excel generation code here
}
```

Technical Features

- **Multiple Installation Methods** - Supports Composer and precompiled installation
- **Smart Autoloading** - Automatically detects and loads the library
- **Error Handling** - Comprehensive logging and fallback mechanisms
- **WordPress Integration** - Uses WordPress HTTP API and Filesystem API
- **Memory Efficient** - Optimized for large dataset processing
- **Hook System** - Provides actions and filters for developers

Installation

Automatic Installation

1. Log in to your WordPress admin panel
2. Navigate to **Plugins > Add New**
3. Search for "PhpSpreadsheet for WordPress"
4. Click **Install Now**
5. Activate the plugin
6. The plugin will automatically install PhpSpreadsheet library

Manual Installation

1. Download the plugin ZIP file
2. Upload to `/wp-content/plugins/phpspreadsheet-wp/`
3. Activate the plugin through the **Plugins** menu
4. Go to **Settings > PhpSpreadsheet** to manage the library

Requirements

- WordPress 5.0 or higher
- PHP 7.4 or higher
- At least 128MB PHP memory limit (256MB recommended)
- WordPress write permissions for plugin directory

Frequently Asked Questions

Does this plugin work with my existing code?

Yes! This plugin is designed to work seamlessly with existing WordPress code that uses PhpSpreadsheet. No modifications to your existing code are required.

How do I know if PhpSpreadsheet is installed correctly?

Go to **Settings > PhpSpreadsheet** in your WordPress admin. The status will show as "✓ Loaded" if the library is properly installed.

Can I use this with custom themes and plugins?

Absolutely! This plugin provides PhpSpreadsheet functionality to any WordPress theme or plugin that needs Excel generation capabilities.

What happens if the automatic installation fails?

If automatic installation fails, you can:

1. Try the manual installation button in **Settings > PhpSpreadsheet**
2. Check the plugin logs for error details
3. Install PhpSpreadsheet manually via Composer
4. Contact support for assistance

Is this plugin compatible with multisite?

Yes, the plugin works with WordPress multisite installations. Each site in the network can have its own PhpSpreadsheet configuration.

Does this plugin affect site performance?

The plugin only loads PhpSpreadsheet when it's actually needed, so it has minimal impact on site performance. The library is not loaded on every page request.

Can I generate files with Hebrew or Arabic text?

Yes! The plugin fully supports RTL (right-to-left) languages and UTF-8 encoding for international text.

What Excel features are supported?

PhpSpreadsheet supports extensive Excel features including:

- Multiple worksheets
- Cell formatting and styling
- Formulas and calculations

- Charts and graphs
- Images and shapes
- Data validation
- Conditional formatting
- And much more

Usage

For Developers

Once installed, PhpSpreadsheet is available throughout your WordPress installation:

php

```
// Check if PhpSpreadsheet is available
if (class_exists('PhpOffice\PhpSpreadsheet\Spreadsheet')) {
    // Create new spreadsheet
    $spreadsheet = new \PhpOffice\PhpSpreadsheet\Spreadsheet();
    $sheet = $spreadsheet->getActiveSheet();

    // Add data
    $sheet->setCellValue('A1', 'Hello World');
    $sheet->setCellValue('B1', 'WordPress');

    // Save as Excel file
    $writer = new \PhpOffice\PhpSpreadsheet\Writer\Xlsx($spreadsheet);
    $writer->save('/path/to/file.xlsx');
}
```

Helper Functions

The plugin provides convenient helper functions:

php

```
// Check if library is loaded
if (phpspreadsheet_wp_is_loaded()) {
    // Safe to use PhpSpreadsheet
}

// Get library version
$version = phpspreadsheet_wp_get_version();

// Force load library
phpspreadsheet_wp_load_library();
```

WordPress Hooks

The plugin provides hooks for advanced customization:

php

```
// Hook fired when PhpSpreadsheet is loaded
add_action('phpspreadsheet_wp_loaded', 'my_custom_function');

// Example usage
function my_custom_function() {
    // PhpSpreadsheet is now available
    // Your initialization code here
}
```

AJAX Integration

For AJAX-based Excel generation:

php

```
// AJAX handler example
add_action('wp_ajax_generate_excel', 'handle_excel_generation');
add_action('wp_ajax_nopriv_generate_excel', 'handle_excel_generation');

function handle_excel_generation() {
    // Verify nonce
    if (!wp_verify_nonce($_POST['nonce'], 'excel_nonce')) {
        wp_die('Security check failed');
    }

    // Generate Excel file
    if (class_exists('PhpOffice\PhpSpreadsheet\Spreadsheet')) {
        $spreadsheet = new \PhpOffice\PhpSpreadsheet\Spreadsheet();
        // ... your Excel generation code

        // Output file
        header('Content-Type: application/vnd.openxmlformats-officedocument.spreadsheetml.sheet');
        header('Content-Disposition: attachment;filename="report.xlsx"');

        $writer = new \PhpOffice\PhpSpreadsheet\Writer\Xlsx($spreadsheet);
        $writer->save('php://output');
    }

    exit;
}
```

Screenshots

1. **Admin Settings Page** - Easy management and status monitoring
2. **Library Status** - Real-time status of PhpSpreadsheet installation
3. **Installation Process** - One-click installation interface
4. **Generated Excel File** - Sample Excel output with formatting
5. **Error Handling** - Comprehensive error reporting and logging

Changelog

1.2.0 (2025-05-28)

- **Added:** Improved autoloader with better PHP compatibility
- **Added:** Enhanced error handling and logging
- **Added:** Support for multiple installation methods
- **Fixed:** Autoloader syntax errors on some PHP versions
- **Fixed:** Admin page void assignment issues
- **Improved:** WordPress Filesystem API integration
- **Improved:** Better Composer executable detection

1.1.0 (2025-05-15)

- **Added:** WordPress admin interface
- **Added:** One-click installation functionality
- **Added:** Helper functions for developers
- **Added:** Hook system for extensibility
- **Improved:** Error handling and user feedback
- **Improved:** Security with nonce verification

1.0.0 (2025-05-01)

- **Initial Release**
- **Added:** Basic PhpSpreadsheet integration
- **Added:** Automatic library detection
- **Added:** WordPress compatibility layer

Upgrade Notice

1.2.0

This version includes important fixes for PHP compatibility and improved installation reliability. Recommended for all users.

1.1.0

Major update with admin interface and enhanced functionality. Backup your site before upgrading.

Support

Documentation

- [Plugin Documentation](#)
- [PhpSpreadsheet Official Docs](#)
- [WordPress Codex](#)

Getting Help

1. **Check Settings** - Go to Settings > PhpSpreadsheet to verify installation
2. **Review Logs** - Check plugin logs for error details
3. **WordPress Forums** - Search WordPress.org support forums
4. **GitHub Issues** - Report bugs on our GitHub repository

Common Solutions

Library Not Loading:

1. Check PHP version (7.4+ required)
2. Verify write permissions in plugin directory
3. Try manual installation via admin interface
4. Check server memory limits

Excel Files Not Generating:

1. Verify PhpSpreadsheet is loaded (Settings > PhpSpreadsheet)
2. Check PHP memory limit (256MB recommended)
3. Ensure proper file permissions
4. Test with simple Excel generation code

Performance Issues:

1. Increase PHP memory limit
2. Use streaming for large datasets
3. Process data in chunks

4. Enable PHP OPcache if available

Contributing

We welcome contributions from the WordPress community!

Ways to Contribute

- **Report Bugs** - Submit detailed bug reports
- **Suggest Features** - Propose new functionality
- **Submit Code** - Send pull requests with improvements
- **Improve Documentation** - Help make our docs better
- **Test Beta Versions** - Help us test new releases

Development

```
bash

# Clone repository
git clone https://github.com/example/phpspreadsheet-wp.git

# Install dependencies
composer install

# Run tests
phpunit

# Build for distribution
composer build
```

License

This plugin is licensed under the MIT License. See LICENSE file for details.

PhpSpreadsheet library is licensed under the MIT License.

WordPress is licensed under the GPL v2 or later.

Credits

- **PhpOffice Team** - For the excellent PhpSpreadsheet library
- **WordPress Community** - For the robust CMS foundation
- **Contributors** - All developers who have contributed to this project