

# **StageShow**

Plugins for Wordpress

User Guide

# 1 Introduction

StageShow is a Wordpress plugin designed to enable amateur theatre groups and small theatres to sell tickets online.

Three versions are available as follows:

**StageShow** provides basic functionality and is primarily intended for use by theatre groups that put on one or two shows a year.

**StageShow+** extends the functionality of StageShow to add additional features for larger groups where the number of ticket sales is larger or shows are more frequent.

**StageShowGold** further extends the functionality of StageShow+ to add the facility for allocated Seating with customisable venue Seating Plans.

This document describes the setup requirements and the features of StageShowGold. The setup requirements and features of StageShow+ and StageShow are a subset of these. Features marked as (from StageShow+) are available with StageShow+ and StageShowGold only. Features marked as (from StageShowGold only) are available only available with StageShowGold.

## 2 Features Overview

A StageShow plugin, combined with a PayPal account, provides everything needed to add an online box-office to a Wordpress web site for small to medium sized theatres. This document describes the features available in StageShowGold. Some of these features will either not be available, or will have limitations in StageShow and StageShow+.

### 2.1 Versions

Three versions are available: StageShow provides basic functionality and is intended for use by theatre groups that put on one or two shows a year. StageShow+ extends the functionality of StageShow to add additional features for larger groups where the number of ticket sales is larger or shows are more frequent. StageShowGold further extends the functionality of StageShow+ to support allocated seating.

### 2.2 Shows

The StageShow system administrator can define one or more Shows for which tickets are to be offered for sale using the StageShow-Shows page. In addition to the Show name, a "Note" can be defined here, which can be in text or HTML format, which will be output with the Show name on the Box Office output. Each show can also be individually Deactivated which "hides" it from the Box Office output.

### 2.3 Performances

For each Show defined by the StageShow system administrator a number of Performances can be defined. This setup includes the date and time, a unique reference and the number of tickets available. A "Note" can be defined here, which can be in text or HTML format, which will be output with the Performance entry on the Box Office output. Each Performance can also be individually Deactivated which "hides" it from the Box Office output.

### 2.4 Seating Plans (StageShowGold only)

The StageShow system administrator can create one or more Seating Plans to define the seats available for a venue, and the identification of each row and seat number within that seating plan. A prospective purchaser is shown the seat availability on the Box-Office page and chooses the seat(s) they require during the purchasing process.

### 2.5 Prices

For each Performance a number of ticket prices are defined, each with its' unique price type reference. Prices Plans, a template of price values, can be also be defined using a StageShow+ admin page. One of these Price Plan entries can then be selected when adding a new performance, greatly reducing the time needed to set up a new show.

## 2.6 Box Office Output

StageShow displays Box Office output on a Wordpress Page or Post in response to a Wordpress Shortcode (a text sequence enclosed by square brackets) defined by the plugin code. Shows are output in date order, and are not displayed once the performance “expires” or it (or the Show it is part of) is deactivated.

Parameters can be applied to this shortcode to add extra facilities, for example to output a specific show or to limit the number of shows displayed.

## 2.7 Sales Emails

All sales are confirmed with an Email which can be customised to suit individual requirements. These are in either text only, or mixed HTML/Text format. Sample templates are included with the distribution. Optionally, an additional “Sales Summary” email with total sales can be sent to a designed email each time a new sale is recorded.

## 2.8 Ticket Validation

StageShow includes facilities to validate tickets. This can be performed either online, or an “Offline Validator”, which includes a snapshot of the sales database, can be downloaded, allowing offline ticket validation. StageShow+ add the facility to record online validations, and to display all previous validations when a ticket is validated .

## 2.9 Sales Logging

StageShow records all sales, which can then be viewed and edited if required. These sales records can be exported as text files, which can be imported other programs (for example to a spreadsheet), or as a file conforming to the OFX standard for further analysis.

## 3 Prerequisites

To use StageShow the following system prerequisites are required:

### 3.1 Website hosting with Wordpress Installed

The target website must have Wordpress set-up and working.

For correct operation of StageShow the “Timezone”, “Date Format” and “Time Format” entries on the Wordpress Settings-General admin page must be set to appropriate values. If these settings are incorrect, time or daylight saving discrepancies, or formatting errors can occur.

### 3.2 PayPal Account

A working PayPal account is required for StageShow to operate. A “Business” account is recommended. StageShow+ can operate without a PayPal account if it will only be used for “Reservations” (see section 15.2)

### 3.3 Wordpress Plugins

Either the StageShow or StageShow+ plugin must be downloaded, installed and activated.

The “User Role Editor” plugin is also recommended for use with StageShow.

If “Reservations” (see section 15.2) are to be enabled, a plugin that adds additional fields to the user profile may be required.

# 4 Installation

## 4.1 First Time Installation

- Download the StageShow or StageShow+ plugin archive
- Open the Wordpress Dashboard for you site
- Select the "Upload" option
- Click "Add New" under the "Plugins" menu
- Under "Install a plugin in .zip format" browse to the StageShow plugin archive file you downloaded
- Click Install Now.
- After it has installed, activate the plugin.

## 4.2 Upgrade

- On the WP Plugins Page deactivate StageShow
- Using FTP (or your ISPs file manager) delete the StageShow plugins folder in wp-content/plugins folder
- Now Proceed as for the First Time Installation

# 5 PayPal Setup

## 5.1 PayPal Settings

This section details settings which must be set-up on the PayPal account which will be used to collect payments for StageShow.

### 5.1.1 Merchant ID

The Merchant ID setting identifies the PayPal account to be used to collect payments.

### 5.1.2 API Access

The API Access settings allow access to the PayPal account from another website server. These settings can be created by selecting the Profile | My Selling Preferences | API Access menu on the PayPal account admin pages and choosing the "View API Signature" option. The API username, API password and Signature generated should be copied to the corresponding StageShow settings.

### 5.1.3 IPN Setting

The Instant Payment Notifications (IPN) settings control how PayPal sends information on sales to your website. These settings can be modified via the Profile | My Selling Preferences | Instant payment notifications menu. The Receive IPN messages option should be selected and the Notification URL should be set as follows:

`{Your-site}/wp-content/plugins/{pluginName}/StageShow_ipn_callback.php`

Where:

`{Your-site}` is the root URL of your Wordpress website

`{pluginName}` is stageshow or stageshowplus as appropriate

### 5.1.4 PayPal Account Optional

If you want your purchasers to be able to use a credit or debit card without the requirement to have or create a PayPal account, then the "PayPal Account Optional" setting for your PayPal account must be set. This setting can be modified via the Profile | My Selling Preferences | Website Preferences menu page. The setting should be set to "On" to make a PayPal account optional.

### 5.1.5 Purchasers Phone Number

If you want to force or allow your purchasers to enter their contact telephone number, then the "Contact Phone Number" option must be set appropriately on the PayPal account. This setting can be modified via the Profile | My Selling Preferences | Website Preferences menu page. The setting should be set to "On" to make PayPal capture phone number during the sale checkout process. StageShow will always record the phone number when it is requested by PayPal.

## 6 Show and Performances Setup

This section details how to add your show, performance, ticket and price details to your StageShow configuration. In general these admin screens will be used in the order they appear in the StageShow menu (and the order in this document).

### 6.1 Seating Plans Admin Page (StageShowGold only)

#### 6.1.1 Seating Plans

StageShow can use Seating Plans, created by the System Administrator, to define the layout of seating for a performance, and the naming/numbering of those seats. Each Seating Plan defines an entire seating area in a venue, (for example including areas which are located on different floors etc.). Each Seating Plan includes a "Seating Plan Ref" by which it is referenced elsewhere in the admin pages, and one or more Seating Zones (see 6.1.2).

#### 6.1.2 Seating Zones

Each Seating Plan includes one or more Seating Zones, defined by a Zone Specification (see 6.1.3), and identified by a unique "Zone Ref". These Seating Zones define areas of seats which have the same ticket types and range of ticket prices.

#### 6.1.3 Zone Specification

The Zone Specification defines what seats are available in a particular Seating Zone, and their layout when using the StageShow generated template. Each Zone Specification assumes that seats are laid out on a rectangular grid, with the position of each seat defined by a numerical row number and seat number within that row. For each position a seat may, or may not, actually be present. The System Administrator creates a Seating Plan Definition by creating a list of which seats within the grid exist, and StageShow creates an HTML template to display the seating layout and adds the template to the wordpress database. For layouts that cannot be represented by a rectangular grid, StageShow provides the facility to "Import" a custom layout template (see 6.1.5), which is then used to generate the box office output.

#### 6.1.4 Zone Specification Syntax

The Zone Specification consists of one or more Seat Range Specifications separated by a comma. Zone Specifications may specify a block of seats, or a single seat as follows:

Single Seat:	R.S
Where:	R is the Row Number S is the Seat Number within the Row
Range of Seats:	Rs.Ss-Re.Se
Where:	Rs is the Row Number of the start of the block Ss is the Seat Number of the start of the block Re is the Row Number of the end of the block Se is the Seat Number of the end of the block



A typical Seats Specification is as follows:

1.4-1.17, 2.3-3.18, 4.1-6.20, 7.1, 7.20

This sample specifies that Row 1 has seats 4 to 17, Row 2 and 3 have seats 3 to 18, Rows 4 to 6 have seats 1 to 20 and Row 7 just has seats 1 and 20.

### 6.1.5 Custom Layouts

The “Import Template” button allows a Custom Seating Layout Template to be imported into a StageShow installation. This template must include a discrete HTML tag for each seat, which must have an HTML id specified as below:

`id="stageshow-boxoffice-layout-seat-R_S"`

Where:                R is the Row Number  
                          S is the Seat Number within the Row

StageShow adds additional class name, and Javascript event handlers to the HTML tag for each seat when it is imported. The “Physical” layout of the seats is not of significance to StageShow which determines the seat and row numbers for each seat, purely from the HTML tag id. Once imported, the “View Template” button can be used to display the associated Seating Template, and each seat can be selected to test that selection of each seat is possible. If required the “Export Template” facility can be used to download the current template, which could be the default template generated by StageShow, which can then be used as a starting point in the development of a custom template.

### 6.1.6 Seat Decode Definition

StageShow defines the location of each seat using a row number and a seat number within that row. For each Seating Plan these locations can be converted into alternative descriptions that are consistent with the those used in the venue. The conversion between row/seat numbers and the seat descriptions passed to the purchaser are defined by a “Seat Decode Definition” file.

The Seat Decode Definition file is encoded as a “Tab Delimited Text” file. Each line of the file defines the conversion of a number to a row and seat description. The entries on a line are separated by a “Tab” character.

Sample Seat Decode Definition files, for alphabetical row descriptions, and for alphabetical seat descriptions are included in the StageShow distribution.

*Default: (None)*

## 6.2 Shows Admin Page

### 6.2.1 Show Name

This is the name of the show. This can include any printable characters up to a maximum length of 80 characters. This Show Name is shown on the Box Office entry for the show, and on sales emails for the show using the default email template.

To add a new show, click on the “Add New Show” button and a new show named “Unnamed Show N” will be added, where N is a number chosen to create a unique name. Once the new show has been added the name can be edited as required.

To edit the name of a show, type the new name of the show in the edit text box and click the “Save Changes” button below. Note that duplicate names will be rejected.

To delete a show or shows, select the shows to be deleted by selecting the associated checkbox(es), select Delete in the “Bulk Actions” drop down and click the Apply button. All selected shows will be deleted.

*Default: Unnamed Show N*

*Maximum Number of Shows: Unlimited\* (StageShow+), 1 (StageShow)*

### 6.2.2 Tickets Sold

This entry shows the number of tickets sold for this show. Clicking on the entry transfers the user to a page listing the sales for the associated show (see section 7.2 for details of the sales page).

**Note:** This entry cannot be edited.

### 6.2.3 State

This shows the current “state” of a show, and can be Active or INACTIVE. An INACTIVE show is excluded from the Box Office output.

The state of show(s) can be changed by ticking the associated checkbox, selecting Activate/Deactivate as appropriate in the “Bulk Actions” drop down and clicking the Apply button. The state of all selected shows will be “toggled”.

*Default: Active*

### 6.2.4 Options (from StageShow+)

The options column provides a Show/Hide button which can be used to Display (Show) or Hide additional options for the associated show. When displayed the additional options are shown below the row with the Show Name.

*Default: Hidden*

### 6.2.5 Note (from StageShow+)

This entry provides the facility to add a “note” entry for a particular show. This is included with the Box Office output immediately below the Show Name.

The text can include HTML markup, so images, links etc. can be added here if required.

*Default: Empty*

## 6.3 Price Plans Admin Page (from StageShow+)

A “Price Plan” is one or more ticket types and associated prices that can be applied to a new performance when it is created. The number of price plans is unlimited\*.

To add a new Price Plan, click on the “Add New Price Plan” button and a new entry named “Unnamed Price Plan N” will be added with a single ticket type (TYPE1), where N is a number chosen to create a unique name. Once the new Price Plan has been added the Price Plan name, ticket Ref and Price can be edited as required. Note that duplicate Price Plan names will be rejected.

**Note:** Once a performance has been created changing the price plan used to create it will not change the prices or ticket types of the performance.

### 6.3.1 Name

Each “Price Plan” is identified by its’ unique name. This can include any printable characters up to a maximum length of 20 characters.

To edit the name of a Price Plan, type the new name in the text edit box and click the “Save Changes” button.

*Default: Unnamed Price Plan N*

### 6.3.2 Type

This entry specifies the ticket type entry that will be created when a performance is created using this Price Plan. (see section 6.5.2 for details on Ticket Types).

*Default: TYPE1*

### 6.3.3 Price

This entry specifies the ticket price when a performance is created using this Price Plan. (see section 6.5.3 for details on Prices).

*Default: 0.00*

### 6.3.4 Visibility

This entry specifies the ticket price when a performance is created using this Price Plan. (see section 6.5.4 for details on Visibility).

*Default: Public*

### 6.3.5 No of Seats (from StageShow+)

This entry specifies the No of Seats when a performance is created using this Price Plan. (see section 6.5.5 for details on No of Seats).

*Default: 1*

## 6.4 Performances Admin Page

This page is used to add performance dates to your show(s).

To add a new Performance, select the “Price Plan” (from StageShow+) and click on the “Add New Performance” button and a new entry with default values will be added. Once the new Performance has been added the Performance Date & Time, Reference and Max Seats can be edited as required.

**Note:** Performances do not appear in the Box Office output until Prices have been specified.

### 6.4.1 Date & Time

This is the date and time of the start of the performance. To change the entry, change the values and click the “Save Changes” button.

The format of this entry is always YYYY-MM-DD hh:mm:ss

Note that duplicate date and time entries will be rejected.

*Default: Current Local Time*

### 6.4.2 Reference

Each performance is identified by its’ unique reference. This can include any printable characters up to a maximum length of 16 characters. The default entry includes a numeric value (N) chosen to create a unique name.

To edit the reference, type the new reference in the text edit box and click the “Save Changes” button. Note that duplicate references will be rejected.

*Default: PERF N*

### 6.4.3 Max Seats

The maximum number of tickets available can be limited if required. StageShow (and PayPal) will limit the number of tickets to this value.

To change the entry, enter the new value and click the “Save Changes” button. Any negative number will be interpreted as “Unlimited” (shown as ∞).

*Default: Unlimited (∞)*

### 6.4.4 Tickets Sold

This entry shows the number of tickets sold for this performance. Clicking on the entry transfers the user to a page listing the sales for the associated performance (see section 7.2 for details of the sales page).

This entry cannot be edited.

### 6.4.5 State

This shows the current “state” of a performance, and can be Active or INACTIVE. An INACTIVE performance is excluded from the Box Office output.

The state of performance (s) can be changed by ticking the associated checkbox, selecting Activate/Deactivate in the “Bulk Actions” drop down and clicking the Apply button. The state of all selected performances will be “toggled”.

*Default: Active*

#### **6.4.6 Options (from StageShow+)**

The options column provides a Show/Hide button which can be used to Display (Show) or Hide additional options for the associated performance. When displayed the additional options are shown below the row with the performance details.

*Default: Hidden*

#### **6.4.7 Expires (from StageShow+)**

This entry shows the date & time that the booking window for the performance closes. This value is initialised to the performance Date & Time (see 6.4.1) less the Expire Limit (see 15.3.11) from the settings.

To change the entry, change the values and click the “Save Changes” button.

The format of this entry is always YYYY-MM-DD hh:mm:ss

*Default:*

#### **6.4.8 Note Position (from StageShow+)**

This entry specifies the position of the performance Note (see 6.4.9).

*Default: Empty*

#### **6.4.9 Note (from StageShow+)**

This entry provides the facility to add a “note” entry for a particular performance. This is included with the Box Office output and will be either immediately above or immediately below the performance entry depending on the “Note Position” setting (see 6.4.8).

The text can include HTML, so images, links etc. can be added here if required.

*Default: Empty*

## 6.5 Prices Admin Page

This page lists the ticket types and their associated prices for each show.

To add a new ticket type, click on the “Add New Price” button. A new entry will be added with ticket type set to TYPEN, where N is a number chosen to create a unique ticket ID.

Once an entry has been added the Performance Date, Ticket Type and Price can be edited as required. Click on the “Save Changes” button to Save all the changes for a particular show. Note that duplicate Ticket Types will be rejected.

### 6.5.1 Performance

This drop down selection box allows the performance date to be specified.

*Default: First Performance*

### 6.5.2 Type

The “Type” entry is used as a reference for the ticket type, and is also the description of the ticket used on the Box Office page, and within sale emails.

This entry is a maximum of 10 characters long.

*Default: TYPEN*

### 6.5.3 Price

The price of the ticket, in the currency specified in the StageShow PayPal Settings (see 15.1.8).

This entry must be numeric, with or without a decimal point. The currency symbol should not be included here, but if required can be selected in the StageShow settings (see section 15.3.7).

*Default: 0.00*

### 6.5.4 Visibility (from StageShow+)

This entry determines if this price will be visible on the Box Office page. When set to “Public” the price will be available on the Box Office page but if set to “Admin Only” it will only be available in the Add/Edit Sale admin pages. This allows the system administrator to create prices that are not generally available (for example discounted or free tickets).

*Default: Public*

### 6.5.5 No of Seats (from StageShow+)

This entry determines the number of Seats that will be allocated for each sale of a ticket with the associated price. Typically this value is set to a value greater than 1 for family tickets etc.

*Default: 1*

# 7 Sales Log and Reports

This section details StageShows' sale recording and reporting functions.

## 7.1 Recording Sales and IPN

StageShow uses the shopping cart within PayPal as the interface between the prospective purchaser and the web site at the point at which the purchaser commits to the purchase. Subsequently PayPal uses its' IPN facility to pass the details of the sale back to StageShow. These sale reports are saved to a database by StageShow and can be displayed or exported as required using the facilities described below.

**Note:** Sale details will only be received by StageShow if the IPN settings in PayPal (see section 5.1.1) are correctly set up.

## 7.2 Sales Admin Page

The Sales Page gives an administrator access to the sales records recorded by StageShow, and enables new ones to be created manually. In addition StageShow+ displays details of any reservations and allows existing records to be edited.

### 7.2.1 Sales List

The Sales Page lists all sales in reverse chronological order. For each sale the sale details can be viewed by clicking the "Show" button, and concealed by clicking the "Hide" button. The sale details include the purchasers name, email and address, the transaction ID and a list of tickets purchased.

Long lists of sales will be broken up into two or more "pages", which can be viewed using the arrow buttons at the top or bottom of the list.

### 7.2.2 Searching

The search facility allows the Sales list to be searched for entries that match a specified text entry. Enter the text to be searched for in the edit box next to the "Search Sales" button, and click the button. A list of sales is displayed where the text entered matches all or part of the buyers name, PayPal Username or email address.

### 7.2.3 Adding a Sale

The "Add Sale" button opens a new page which allows a sale record to be added manually. All fields of the sale record are displayed and can be changed, and the ticket quantities for every performance can be specified. Click on "Save Changes" to save the sale record.

When saved the admin screen will be updated to show an acknowledgement that the sale has been added. This includes a "View Ticket" button which opens a new browser window with a ticket identical to what would have been generated for an online sale. This can then be printed if required.

**Note:** StageShow does not currently handle payment of any payment due when a sale is added using this "Add Sale" facility.

### **7.2.4 Editing a Sale**

The “Edit Sale” button (from StageShow+) opens an editor page which allows a sale record to be modified. All fields of the sales can be changed, and the ticket quantities for every performance can be specified. Click on “Save Changes” to save the updated sale record.

When saved the admin screen will be updated to show an acknowledgement that the sale has been updated. This includes a “View Ticket” button which opens a new browser window with a ticket identical to what would have been generated for an online sale. This can then be printed if required.

**Note:** StageShow does not currently handle payment of any refund or payment due when ticket quantities are changed using the sale editor.

### **7.2.5 Deleting a Sale**

To delete a show or shows, select the sales to be deleted by selecting the associated checkbox(es), select Delete in the “Bulk Actions” drop down and click the Apply button. All selected shows will be deleted.

### **7.2.6 Updating Reservations (StageShow+)**

To change one or more reservations to completed sales, select the reservations to be updated by selecting the associated checkbox(es), select Set Completed in the “Bulk Actions” drop down and click the Apply button. All selected reservations will be updated.

### **7.2.7 View Ticket (StageShow+)**

The “View Ticket” button is shown when a new manual entry sale is added, or an existing sale is edited and saved. Clicking on this button opens a new window containing the sale ticket, which can then be printed or saved as required.



# 8 Tools

This section details the facilities available on the StageShow-Tools page.

## 8.1 Validate Sale

The “Validate Sale” section of the tools page, provides the facility to verify a transaction ID for a particular performance and to record all such actions. When a valid transaction ID is entered and the “Validate” button is clicked the sale database is searched for a matching transaction ID for the specified performance, and, if a match is found, the matching sale record is shown.

The control element “focus” is set to the Transaction ID when the page is loaded, and the “Enter” key performs the same action as clicking the enter key. As a result using a bar-code scanner to read the bar-code in a sale confirmation email when the StageShow-Tools page is active will automatically enter the scanned TransactionID into the form, and, provided the scanner terminates its’ output with a “Return”, will trigger the sale validation.

Each valid validation is recorded, and displays a “Already Verified” warning if the sale has already been verified. This facility can be used to assist in detection of fraudulent repeat usage of the same transaction ID. As an additional option the identity or location of the PC used to verify the sale can be set on the StageShow-Settings page, and this is recorded when the sale is verified, and displayed, along with a date/time stamp, when a repeat verification is carried out.

[Note: Validate Sale functionality is only available to users with StageShow\\_Validate or StageShow\\_Admin capability.](#)

[Note: The selection of performance is only possible when the Tools menu is selected from the Wordpress admin menu, and when the page is reloaded after a verification attempt the performance will be set to the previously selected value.](#)

## 8.2 Export

The export section provides the facility to export data from the Wordpress database that can subsequently be imported into other programs for further processing or analysis.

### 8.2.1 Format

The “Format” drop down box determines the file format of the exported file, as described below.

#### 8.2.1.1 Tab Delimited Text (TDT) Format

Exported files are encoded as a “TAB Delimited Text” format file to your computer. In this format the file is in text format with columns of data separated by a TAB character. This format can be imported to many other programs, for example a spreadsheet for analysis, financial reporting etc. In all cases the first line of output gives identifies data field name that follows in that column.

#### 8.2.1.2 Open Financial Exchange (OFX) Format

Exported file are encoded in accordance with the Open Financial Exchange Specification. This format is a standard using by many financial management and accounting application.

[Note: OFX format is only available with StageShow+](#)

## **8.2.2 Type**

### **8.2.2.1 Sales Summary**

This export request outputs sales records where each data line of the output file corresponds to a single sale for a single performance, with the total quantity of tickets purchased and a breakdown of the number of tickets of each type.

### **8.2.2.2 Tickets**

This export request outputs sales records where each data line of the output file corresponds to a single sale for a single performance and a single ticket type.

### **8.2.2.3 Settings Export**

This export request outputs the Show, Performance and Prices settings

Note: Settings export is only available if the logged in user has StageShow\_Setup capability (see section 9.6)

## **8.2.3 Show**

This drop down selector allows the user to select export of either all shows or a specified show.

## **8.2.4 Performance**

Where a show is specified by the Show drop down selector, the performance drop down selector allows the user to further refine the records exported by selecting a specified performance, or all performances.

## **8.3 EMail Sale Test**

The “EMail Sale Test” section of the tools page, provides the facility to resend a sale confirmation Email, or to test the creation of them from an Email Template.

The “Divert Email To” entry allows the user to specify an alternative Email address that will be used as the destination. If this is not specified the Email is sent to the original recipient(s).

The “View Ticket” button (from StageShow+) opens a new window containing the sale ticket for the selected sale, which can then be printed or saved as required.

# 9 Capabilities

## 9.1 Overview

When activated StageShow adds four custom “Capabilities” to the Wordpress site, and enables them all for the Administered role. These Capabilities can be used to control access to StageShow admin pages by users.

The capabilities for a particular user can be edited from the Wordpress Users admin menu page, or by installing and using the “User Role Editor” plugin for wordpress.

## 9.2 StageShow\_Reservations

Enabling this category makes the “Reservations” facility available to a user, when enabled in the settings (see ).

## 9.3 StageShow\_Validate

Enabling this category adds access to the Validate Sale and Export Sales sections of the StageShow-Tools page for a user.

## 9.4 StageShow\_Sales

Enabling this category adds access to the StageShow-Sales page, with the capability to add a sales manually for a user.

## 9.5 StageShow\_Admin

Enabling this category adds access to all StageShow admin pages except for the StageShow-Settings page for a user.

## 9.6 StageShow\_Setup

Enabling this category adds access to the StageShow-Settings page for a user.

## 9.7 StageShow\_ViewSettings

Enabling this category adds read-only access to the StageShow-Settings page for a user.

# 10 Advanced Customisations

## 10.1 Email Templates

StageShow generates emails based on template files. Default template files are included in StageShow distributions, and are copied to a subfolder of the wordpress uploads folder when the plugin is activated or updated. Working copies of the email templates are located in the following folder:

`{Your-site}/wp-content/uploads/{StageShow--folder}/emails`

Emails can be customised as required by making a copy of the default template with a new name and then editing this new template as required. This revised template can then be selected on the StageShow settings page.

**Note:** The default templates can be edited, but these edits will be lost if the plugin is updated.

## 10.2 Box Office Output

The format of the Box Office Output is controlled by CSS style classes. By default these styles are defined in the `stageshow.css` file, and can be determined by using the “Inspect Element” option on a suitable browser.

The format of the Box Office output can be customised by modification of these styles. These customisations can be implemented by adding entries to the style sheets in the site theme. Where a “standard” wordpress theme, or a theme supplied by a third party is in use, it is recommended that a child theme of the original theme is used, and that any CSS customisations are applied to this.

**Note:** Any changes made to `stageshow.css` will be overwritten if the plugin is updated.

## 10.3 Date & Time Format

By default, the format of date and time output of both the Box Office output, and the shopping trolley output is determined by the Wordpress “Date Format” and “Time Format” settings, set on the Wordpress General Settings page. These settings can be overridden for the StageShow output by defining the value of `STAGESHOW_DATETIME_BOXOFFICE_FORMAT` in the `wp_config.php` file. A typical definition is as follows:

```
define('STAGESHOW_DATETIME_BOXOFFICE_FORMAT', 'd-m-Y H:i');
```

## 10.4 Checkout Header Image

The image used for the PayPal Checkout page can be customised to use a user defined image. The default image is included in StageShow distributions, and is copied to the following folder when the plugin is activated or updated:

`{Your-site}/wp-content/uploads/{StageShow--folder}/images`

To customise the Checkout Header, create a new image (750px by 90px) in gif, png or jpg format, transfer it to the above folder and then select the new image on the StageShow-Settings page.

## 10.5 Email Logo Image

The logo image which may be included in Emails can be customised to use a user defined image. The default image is included in StageShow distributions, and is copied to the following folder when the plugin is activated or updated:

{Your-site}/wp-content/uploads/{StageShow--folder}/images

To customise the Logo, create a new image in gif, png or jpg format, transfer it to the above folder and then select the new image on the StageShow-Settings page. The default image is 180px by 34px but the customised image can be any size the user desires.

**Note:** The Email Logo is only available for StageShow+ with an HTML email template.

## 10.6 Barcode Size (StageShow+)

The barcodes generated by StageShow conform to the Code39 Barcode specification. This specifies two widths for the component parts of the barcode, a “Thin” width and a “Thick” width. These values are determined by constants defined by StageShow. There are also constants for the height of the barcode, and the size of the associated text. These constants are as follows:

Constant	Default Value
BARCODE_THINWIDTH	1
BARCODE_THICKWIDTH	3
BARCODE_HEIGHT	45
BARCODE_FONTSIZE	5

These settings can be overridden by defining the value of in the wp\_config.php file for the site. A typical definition is as follows:

```
define(' BARCODE_THINWIDTH ', 2);
```

**Note:** For Compliance with the Code39 specification the ratio between BARCODE\_THINWIDTH and BARCODE\_THICKWIDTH must be between 1:2 and 1:3.

# 11 Translation

## 11.1 Overview

StageShow supports the mechanism built into Wordpress for localisation of its text output. This mechanism uses a POT file (Portable Object Template), created by the plugin developer, to define the English language messages that can be generated by the plugin. This file is then used, by a translator, to create a PO file (Portable Object) which defines both the English language message and its' translation in the target language. The PO file can then, if required, be bundled in with the plugin distribution to add the translation to the standard distribution.

Wordpress uses the value of `WP_LANG` (usually defined in `wp_config.php`) to determine the language for translations, and this must be set for translation of the StageShow plugin to work. If `WP_LANG` is not defined Wordpress defaults to `en_US`.

## 11.2 Location of Language Files

StageShow will check for language files in two directories. Firstly the Wordpress system language directory is checked. This directly is defined by the `WP_LANG_DIR` system constant. If a StageShow translation file is not located there, the 'lang' directory in the StageShow plugin folder is checked. This folder also contains all language files shipped with StageShow, so any custom language files stored here will be lost when StageShow is updated.

## 11.3 Tools

A number of tools exist to assist translators with the process of creating a PO file from a POT file. The plugin author recommends POEDIT, and open source cross-platform tool which can be downloaded from <http://www.poedit.net/>.

## 11.4 Translating With Poedit

- Download a local copy of the `stageshow.pot` file from the lang sub-folder of the StageShow plugin on your website.
- Download, install and run POEDIT.
- Click the "Open" button to display the open file dialogue. Select the "All Files" file filter, browse to the `stageshow.pot` file and click open.
- The main window shows a list of all source text entries, and their translations if one exists. When an entry is selected in the main window, the source text is shown in the window below the list, and the editable translation is shown in the window below that.
- Items in the list may specify entries for singular and plural forms of the message. In this case the middle and bottom windows show multiple entries for the source text and translations.
- Work through the source text list, adding translations in the bottom window as required. A summary of the total number of source text entries, and the number remaining un-translated is shown at the bottom of the window.

- To save your translations, click **File** → **Preferences** and on the **Editor tab** confirm that the *Automatically compile .mo file on save* box is checked (select this option and click OK if it is not). Then go to **File** → **Save as...** and save your translations as a PO file. The file name should be `stageshow-ls_CC.po` where `ls` is the language specified for the target language and `CC` is the country code. Complete lists of language codes can be found at [http://en.wikipedia.org/wiki/List\\_of\\_ISO\\_639-1\\_codes](http://en.wikipedia.org/wiki/List_of_ISO_639-1_codes) and country codes at [http://en.wikipedia.org/wiki/ISO\\_3166-1\\_alpha-2](http://en.wikipedia.org/wiki/ISO_3166-1_alpha-2).
- Upload the `stageshow-ls_CC.mo` file you have created to the `lang` sub-folder of the StageShow plugin on your website.

# 12 Testing StageShow

This section details how to test that a new installation works correctly. The same general procedures, modified where required, can be used to test an existing setup. Note that to fully test your StageShow installation, you will need to make an actual transaction. This transaction can subsequently be refunded, but PayPal fees may still be payable (see PayPal terms and conditions for details on fees and refunds).

## 12.1 Setup Tickets

Login to your PayPal account and set up API Access (see 5.1.2) and enable IPN (see 5.1.3) as required, if you have not already done so

Install and activate the StageShow plugin, and add the PayPal Settings (see 15.1), if you have not already done so.

You can create a sample setup by clicking the “Create Sample” button on the StageShow Overview admin page. This sample includes at least one show, with performance dates, prices and a few sample sales. Alternatively use the Show, Performance and Prices admin pages to set up a sample setup.

Create a new Page or Post (which can be saved as Draft) using the Wordpress admin pages and add the [sshow-boxoffice] shortcode to it. Now view the page or post you have just created. The page/post should include the StageShow Box Office output with a number of performance and ticket type options, each of which has a drop-down box to select a quantity and an “Add” button to add the quantity to the shopping cart.

## 12.2 Summary Email (StageShow+)

StageShow can be configured to send a email with a summary of ticket sales for all performances whenever a new sale is recorded. To test this enter a email address to the “Sale Summary Report Email” entry (see section 15.4.1) in the setting page before making a test sale.

## 12.3 Making a Sale

On the Box Office page you created above, select a number of tickets for one of the shows, and click the “Add” button. The page will refresh with a “Shopping Trolley” section including tickets for the performance you have just selected. Go back to the Box Office page and add some more tickets. Again the page will refresh with the new tickets added. Once you have sufficient tickets for testing purposes select “Check Out” and complete the purchase using a PayPal account or Credit Card. (Note that you will not be able to use the PayPal account used by StageShow to make the purchase).

Once the purchase has been completed check that you receive an Email from PayPal with the details of the sale and the purchaser. If required you can then refund the sale by logging in to your PayPal account, navigating to the details for the transaction and clicking on the “Issue a Refund” button.



## 12.4 Sales Log

If correctly setup StageShow will record all sales in its' sales log. Check this by looking at the sales log once a test sale (see section 12.2) has been successfully completed. Sales are listed in reverse chronological order, and the details of each sale can be seen by clicking the "Show" button next to it. Note that sales can take a few minutes to be shown due to processing time delays on the PayPal servers.

## 12.5 StageShow Sale Emails

Once StageShow has recorded a sale, a confirmation email will be sent to the purchaser and (optionally, see section 15.3.6) to the StageShow admin email address. A summary email (see section 12.2) can also be sent. The content of these email is determined from the sale details and the email templates selected (see 15.3.2 and 15.4.2).

# 13 Fault Finding

Even with the correct settings, there is the possibility of problems with StageShow caused by server configuration. This section is provided to give guidance on resolving any such issues.

## 13.1 Error Saving PayPal Settings

When API Access (see 5.1.2) settings are saved, StageShow makes a test transaction with the PayPal server to confirm that the values entered are correct. Any error in the entries will result in an error, which is reported when the settings are saved. The error code is that which is reported by the PayPal server and should give an indication of the type of error experienced.

## 13.2 Sales missing in Sales Log

If sales are being reported by PayPal but are missing from the Sales Log, there is a problem with IPN (see 5.1.3).

Firstly check that PayPal is sending IPN notifications. Log in to your PayPal account and go to History | IPN History. Change the date filter to include the sale that you want to check and click "Search". You should see an entry for the sale in the list. If you do not see any IPN requests then the problem lies in your PayPal IPN settings.

Now click on a message ID entry in the list to see the details of the IPN request, and check the "HTTP response code". This code indicates the result when PayPal attempts to access the IPN Notification URL on your website, with 200 indicating a successful request, and anything else indicates an error. (A complete list of HTTP response codes can be found on the internet at <http://www.w3.org/Protocols/HTTP/HTRESP.html>). As an additional test the IPN Notification URL, which must be public ally accessible, can be opened in your browser by entering the following URL:

`{Your-site}/wp-content/plugins/{StageShow--  
folder}/StageShow_NotifyURL.php`

The response in the browser should be the single word "INVALID".

PayPal will continue to attempt to send IPNs at intervals for sales that have not been recorded until a timeout determined by the PayPal server (possibly 28 days) is exceeded. This means that any sales recorded by PayPal may still be logged by StageShow even if there are IPN issues when the sale is made (provided IPN was enabled).

# 14 StageShow “In Action”

This section describes how StageShow might be used in a number of different sales scenarios.

## 14.1 Online sales – Tickets Collected (Pre-selected)

The website is used to sell tickets, which are then held for collection at the door or box-office.

The email generated by PayPal for each sale is used to extract the purchasers' name and the tickets requested. Then, typically, paper copies of these tickets would be grouped together for collection by the purchaser later.

This scenario will work without IPN enabled, but sales reports will only be available if IPN is enabled.

## 14.2 Online sales – Tickets posted

The website is used to sell tickets, which are then sent to the purchaser by post.

This is identical to the “Online sales – Tickets Collected” scenario except that tickets are mailed out on receipt of a sales email.

## 14.3 Online sales – Tickets collected at Performance

The website is used to sell tickets, which are then collected by the purchaser when they arrive for the performance.

The sale “Transaction Id” is used as the reference for the transaction, and the Validate Sale option on the Tools menu is used to verify the sale. This displays the tickets purchased, and logs that the tickets have been collected. Paper tickets corresponding to the sale are then given to the purchaser,

This scenario requires that IPN is enabled.

## 14.4 Online sales – E-Tickets

The website is used to sell tickets, with the confirmation Email generated by StageShow being used as an E-Ticket.

As for the “Online sales – Tickets collected at Performance” scenario, the sale “Transaction Id” is used as the reference for the transaction, and the Validate Sale option on the Tools menu is used to verify the tickets at the auditorium door.

This scenario requires that IPN is enabled.

## 14.5 “Offline” Sales Verification

If it is not possible to have a online terminal at the venue, then the “Offline Validator” can be downloaded prior to the performance once ticket sales have closed, and used in place of online sale validation.

## 14.6 Transaction ID Barcodes

StageShow+ provides the facility to add a barcode of the Transaction ID to the sale confirmation email, and this can be scanned using a barcode reader to authenticate a sale (see 8.1).

# 15 Settings

This section details the entries on the StageShow-Settings admin page.

## 15.1 PayPal Settings

This section details settings used by StageShow to interface to the PayPal server.

### 15.1.1 Environment

The PayPal environment to use for StageShow. PayPal has a test environment used by developers called the “Sandbox”. For normal usage this option should be set to “Live”.

*Default: Live*

### 15.1.2 Merchant ID

The Merchant account ID from the Business details in the PayPal account.

*Default: {Blank}*

### 15.1.3 API User

The API username from the PayPal API Access settings (see 3.2).

*Default: {Blank}*

### 15.1.4 API Password

The API Password from the PayPal API Access settings (see 3.2).

*Default: {Blank}*

### 15.1.5 API Signature

The password from the PayPal API Access settings (see 3.2).

*Default: {Blank}*

### 15.1.6 Account Email

The primary email for the PayPal account, as shown on the PayPal “My Business Details” page.

*Default: {Blank}*

### 15.1.7 Checkout Timeout

The time interval, in minutes, before a “Pending Sale” that remains unpaid is discarded. A pending sale is created when a buyer clicks on the Checkout button within the “Shopping Trolley” section. This action launches the PayPal checkout window for the buyer to complete the purchase.

*Default: 60 minutes*

### 15.1.8 Currency

The currency selected for PayPal transactions.

*Default: GBP*

### **15.1.9 PayPal Header Image File**

The Header image which PayPal will use as the header for shopping cart and checkout pages. The image size should be 750 x 90 pixels.

*Default: /StageShowHeader.gif*

### **15.1.10 EMail Logo Image URL**

The URL of a Logo image which can be added to the top of all emails sent by StageShow. The image size should be 180 x 34 pixels.

*Default: StageShowLogo.jpg*

### **15.1.11 Checkout Complete URL**

The URL of a page that PayPal will redirect to after a successfully completed purchase. The “Auto Return for Website Payments” option in the PayPal “Website Preferences” settings determines the detail of how this works; if clear the buyer will be offered a link to return to the sellers website, if set the return will occur automatically but only if the “PayPal Account Optional for new users” option is not set.

*Default: {Empty}*

### **15.1.12 Checkout Cancelled URL**

The URL of a page that PayPal will redirect to after a PayPal checkout is cancelled.

*Default: {Empty}*

## 15.2 Reservations (from StageShow+)

This section details settings used by StageShow+ to determine if reservations are enabled and the capture of user information when a reservation is made.

Note: The options offered are the “standard” Wordpress user fields from the user profile, and any additional fields added by plugins extending the user profile. These plugins must be installed and activated, and the user profile for the current user (probably admin) must be updated and saved, for any extra fields to appear. The value of these fields for the logged in user are included in brackets to assist in identifying the correct field.

If fields created by plugins are used in the settings, and the plugin is subsequently removed the settings must be updated to reassign these fields.

### 15.2.1 Enable Reservations

This checkbox controls whether the option to make a reservation is offered to a logged in user. When ticked reservations will be enabled.

Note: Reservations will only be offered to a user with a “Role” that has the StageShow\_Reservations “Capability” enabled.

*Default: Disabled*

### 15.2.2 Address 1

Defines the user profile field that maps to the first element in the users address.

### 15.2.3 Address 2

Defines the user profile that maps to the second element in the users address. If defined, this entry is merged with the preceding address element.

### 15.2.4 Address 3

Defines the user profile that maps to the third element in the users address. If defined, this entry is merged with the preceding address element.

### 15.2.5 City

Defines the user profile that maps to the city entry of the users address.

### 15.2.6 County

Defines the user profile that maps to the county entry of the users address.

### 15.2.7 Postcode

Defines the user profile that maps to the postcode entry of the users address.

### 15.2.8 Country

Defines the user profile that maps to the country entry of the users address.

### 15.2.9 Phone

Defines the user profile that maps to the phone entry of the users address.

## 15.3 General Settings

### 15.3.1 Organisation ID

The name of the theatre or other organisation selling tickets.

StageShow will substitute any [organisation] entries in the selected email template with this value, and will use the value as the “Friendly Name” for the “from” email address in any emails it sends.

*Default: Site Title*

### 15.3.2 Sale EMail Template

This entry determines the template file used to create sales emails.

*Note: Only StageShow+ supports emails in HTML format.*

*Default: Site Title + “Sales”*

### 15.3.3 Reservation EMail Template (from StageShow+)

This entry determines the template file used to create reservations emails.

*Default: Site Title + “Sales”*

### 15.3.4 StageShow Sales EMail Name (from StageShow+)

This entry, if defined, will replace the Organisation ID (see section 15.3.1) as the “Friendly Name” for the “from” email address in any emails StageShow creates.

*Default: Site Title + “Sales”*

### 15.3.5 StageShow Sales EMail

The EMail address used as the “from” address for emails sent by StageShow. This email is also used as the destination for any admin emails sent by StageShow.

*Default: Site Administrator E-mail Address*

### 15.3.6 Bcc EMail to WP Admin

If this option is selected, StageShow will send a “Blind Copy” (bcc) of any emails it sends to the Sales EMail (see section 15.3.2)

*Default: Selected*

### 15.3.7 Currency Symbol

If this option is selected, StageShow will include the currency symbol associated with the currency selected in the PayPal Settings (see section 15.1.8) with any prices displayed within the box office output.

*Default: NOT Selected*

### **15.3.8 Box Office Below Trolley**

In normal operation the Box-Office output generated by StageShow replaces a shortcode in a Page (or Post), and its' position is determined by the location of the shortcode in the Page. The Shopping Trolley is always positioned (by CSS) at the top of the page. Selecting this option relocates the Box-Office output when a shopping trolley is active, so it is immediately below the Shopping Trolley.

*Default: NOT Selected*

### **15.3.9 Items per Page**

This option sets the maximum number of entries in that will be displayed on admin page lists. If the number of pages exceeds this value, StageShow will split the entries across two or more pages.

*Default: 20*

### **15.3.10 Max Ticket Qty**

This option sets the maximum number of tickets of each type that will be available to the prospective purchaser in the quantity drop down box within the box office output. Note that the user can still select the add button again to increase the number of tickets purchased. In all cases the maximum number of tickets available is always limited by the Performances configuration (see section 6.4.3).

*Default: 4*

### **15.3.11 Performance Expires Limit (from StageShow+)**

StageShow removes each performance from the Box Office output a set time interval before the performance start time. This option sets the default time interval and can be specified in hours, minutes or seconds.

*Note: This time interval is ignored for a particular performance if its' Expires time (see 6.4.7) has been changed.*

*Default: Zero*

### **15.3.12 Terminal Location (from StageShow+)**

This option is used to specify the physical computer being used to access StageShow, and is stored as a cookie so can be unique for each computer used. This location is used during sale validation.

*Default: Unknown*

### **15.3.13 Sale Transaction ID (from StageShow+)**

This setting specifies the Transaction ID as shown on the StageShow+ sale invoice, used for sale verification purposes. This must be specified for auto-update of the StageShow+ plugin to operate.

*Default: {Blank}*

### **15.3.14 Sale Txn EMail Address (from StageShow+)**

This setting specifies the purchasers Email address as shown on the StageShow+ sale invoice, used for sale verification purposes. This must be specified for auto-update of the StageShow+ plugin to operate.

*Default: {Blank}*



## 15.4 Advanced Settings

### 15.4.1 Sale Summary Report EMail (from StageShow+)

This entry, if defined, specifies an email address that a Sale Summary email will be sent to on each new sale. The file specified by the Summary Email Template entry (see 15.4.2) is used as an EMail template to generate this EMail. This template can be modified if required, but any changes may be overwritten when the plugin is updated.

If this entry is left blank, no summary email is generated.

*Default: {Blank}*

### 15.4.2 Summary EMail Template (from StageShow+)

This entry determines the template file used to create sales summary emails.

*Default: StageShowplus\_SummaryEMail.php*

### 15.4.3 Allocated Seating (StageShowGold)

Selecting this option adds the options to create Seating Plans and to optionally allocate a seating plan to any performance. When allocated seating is enabled, the ticket selection process includes additional steps to select a performance, seats and ticket types.

### 15.4.4 Checkout Note Position

This entry determines the position of the Checkout Note (see 15.4.4).

*Default: {Blank}*

### 15.4.5 Checkout Note

This entry defines a text “note” entry to be included with the “Shopping Trolley” output. This can be in one of a number of positions within the output, specified by the Checkout Note Position (see 15.4.4).

The text can include HTML markup, so images, links etc. can be added here if required.

*Default: {Blank}*

### 15.4.6 Seats Available

Selecting this option adds a line to the Box-Office for each performance with the number of unsold seats.

*Default: NOT Selected*

### 15.4.7 Booking Fee (from StageShow+)

This option sets a Booking Fee for each sale. When this entry is set, an additional line for the booking fee will automatically be added to the Shopping Trolley when the first ticket is added.

*Default: {Blank}*

### **15.4.8 Custom Stylesheet**

Specifies the name of the custom stylesheet (if any) to load after the standard StageShow stylesheet. StageShow searches for stylesheets in the following folder:

{Your-site}/wp-content/uploads/{StageShow--folder}/css

### **15.4.9 Log Files Folder Path (from StageShow+)**

The path used for any log files created by StageShow. The path is relative to the root folder of the site. Note that the path should be chosen so that any log files generated are not published on the internet.

*Default: ../logs*

### **15.4.10 Website Link (from StageShow+)**

Selecting this option removes the “Driven by StageShow\*\*” entry at the bottom of the StageShow Box-Office output.

*Default: {Blank}*