

Foot Switch Configuration Tool Help

The Foot Switch Configuration Tool (hereinafter referred to as "tool") is used to customize the settings for the RS27H/28H/31H models. Any combination of keyboard commands can be assigned to each pedal, allowing the control of applications through hotkey shortcuts. You can also create setting templates for quick and easy configuration.

Key Benefits

Foot Switch (RS27H/28H/31H)

Application Usage

- Use with any web or standalone application that supports hotkey shortcuts.

Integration

- No device integration is needed in order to use the RS27H/28H/31H foot switches.

Virtualization

- No client drivers are required for use over virtual environments.
- Thin client and zero client support via native keyboard redirection.

Foot Switch Configuration Tool

- Light weight
- No installation required
- Simple operation allows ease of use
- Setting template functions (create/edit/delete)
- Custom hotkey combinations and pedal behaviour events
- Multimedia Key support
- Regular and multiple foot switch write modes for single or multiple device configuration

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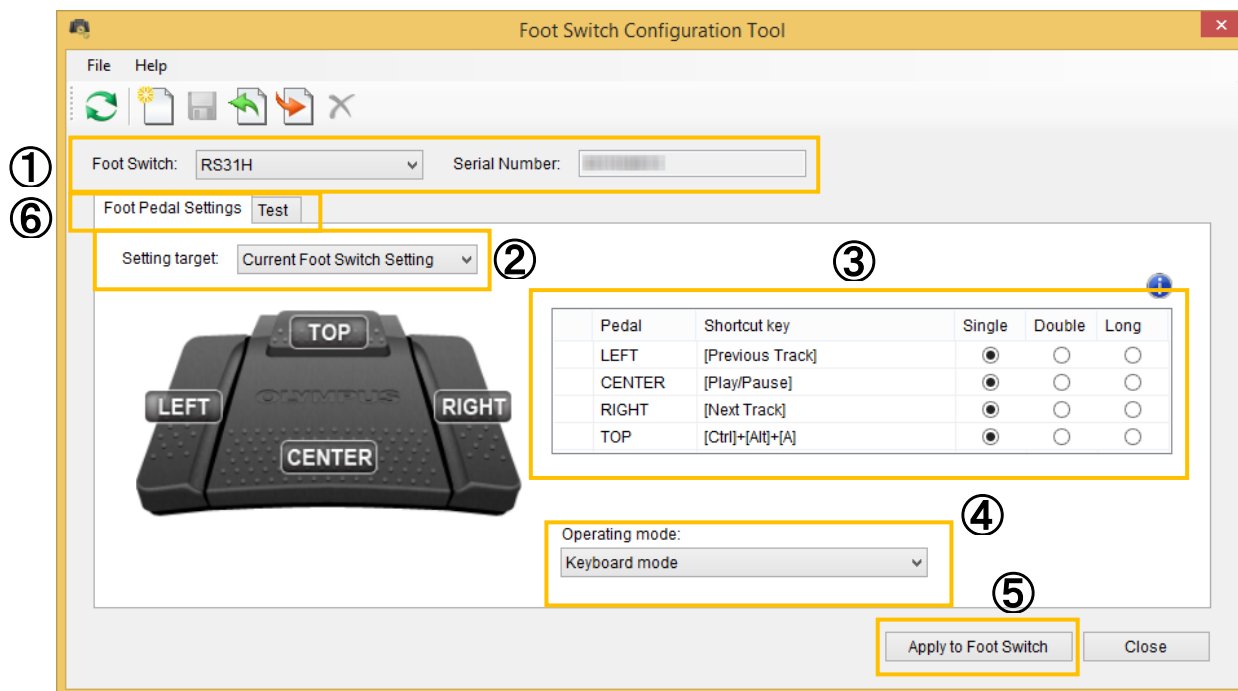
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Screen Layout

This is the screen layout of the tool.



①	Model Name The model and serial number are automatically displayed for the connected foot switch.
②	Target Setting Template The "Current Foot Switch Setting" displays the configuration for the connected foot switch, automatically upon connection. If no foot switch is connected, the last used custom setting template is displayed. Alternatively the "Default Template" is displayed when a custom template is not available. Manual selection of setting templates is also possible via this drop down menu.
③	Keyboard commands, action settings Pedal selection for assigning keyboard commands and setting the pedal event behavior.
④	Operating mode settings To change the operating mode of a connect foot switch.
⑤	Writing to foot switch Apply the displayed settings to the connected foot switch.
⑥	Function switching tab To switch between pedal Settings mode and Test mode. Test mode shows you whether keyboard commands are assigned properly.

Pedal Settings

Any keyboard commands can be assigned to pedals of a foot switch.

Connecting foot switch





After launching the tool, connect a foot switch (RS27H/28H/31H) to PC via USB. The foot switch name and serial number are displayed in ①. The current keyboard commands for each pedal are displayed in ③.

The previously selected template is loaded in case any footswitch is not connected. The default template setting is loaded in case any template is not saved.

Customizing each pedal

Select a pedal you want to assign in ③ and press a combination of keys. The assigned keys are displayed in the "Shortcut Key" area. [Multimedia keys](#) such as Play and Stop buttons can be assigned too. Click the Clear button () to remove the selected pedal's key combination. The table below describes the behavioral properties available for key commands, during the physical pedal press and release events. These can be applied accordingly to the desired result.

Behavior type	Operation
Single (Press)	Key commands "ON" and "OFF" are both issued once upon the pedal press event. The "Single" property can be used to action a toggled behavior in software. For example where the same key command is used to action Play/Stop, press to play (ON-OFF) and press again to stop (ON-OFF).
Double (Press/Release)	Key commands "ON" and "OFF" are both issued twice... Once upon the pedal press event and once upon the pedal release event. The "Double" property can be used to action a toggled behavior in software, upon a pedal's press and release event. For example where the same key command is used to action Play/Stop, press to Play (ON-OFF) and release to Stop (ON-OFF).
Long (Press/Hold)	Key commands "ON" and "OFF" are individually issued once... "ON" is issued upon a pedal press event and "OFF" upon the pedal release event. The "Long" property works similarly to a regular keyboard key press. For example when a key is pressed "ON" is issued and "OFF" is only issued upon the key's release.

Status of foot switch pedal		
Image of keyboard signal issuing timing	Single	
	Double	
	Long	

Apply the displayed settings to the connected foot switch by clicking the button [Apply to Foot Switch].

Checking pedal operation

Select the Test tab in ⑥ then operate a foot switch to see commands for each pedal.

Changing operating mode

The operating mode determines how the foot switch is recognized by the computer and the method in which the foot switch sends the pedal press and release events.

Operating mode	Operation
Olympus mode (Default)	The Olympus Mode (HID vendor class) sets the foot switch for use with the Olympus Dictation Management System, DSS Player Pro Release 5 and other applications that have been developed using the Olympus SDK(s).
Keyboard mode	The Keyboard mode (HID keyboard class) enables hotkey combinations to be applied to each pedal, allowing the control of third party applications.

Template Setting

Create, save and apply pedal configuration settings by using templates. Multiple templates can be created to control a whole host of custom applications by switching templates.

Saving Setting Templates

To save a settings template click on the menu [File] - [Save Template As] and specify a file name. Upon save the template is added to the "Setting Target" list as the chosen file name.

Loading template

Templates can be loaded by clicking the menu [File] - [Load Template], then browse to the template location.

Editing template

Load the template or select the template to be edited from the "Setting Target" menu. A pedal configuration can be deleted by clicking the eraser icon ③ as show in section "Screen Layout".

Other Settings

Changing language to be displayed

Go to [File] - [Select Display Language] in the menu, choose a language to be displayed.

Resetting foot switch to default factory settings

Go to [File] - [Reset Foot Switch] when a footswitch is connected. Assigned keyboard commands, actions, and [operating modes](#) are initialized.

Writing setting to multiple foot switches in write mode

In addition to the regular setting mode, the tool has a write mode that allows you to write settings to multiple foot switches successively.

1. [Save a template with a file name](#) after launching the tool and setting pedals.
2. Close the tool then re-launch it with pressing the [ESC] key.
⇒ The write mode is launched.



Key commands cannot be assigned in the write mode.

3. Specify a template you saved previously after launching the tool, then a pedal setting is loaded. Confirm pedal settings then connect a footswitch.
⇒ A pedal setting is transferred to a footswitch after the tool confirms its connection.
The following message is displayed at the end.



The set up for the Foot Switch is completed.
Please remove the Foot Switch from PC.



After a footswitch is disconnected, the same process will be executed when another footswitch is connected.

Exit from the tool after a setting for all foot switches is completed.

Multimedia Key List

The Foot Switch Configuration Tool supports the following multimedia keys as well as regular keyboards.



An operation from multimedia key is required if you assign multimedia keys to a foot switch.

Definition	Function	Windows	Macintosh
Brightness Increment	Increases brightness		
Brightness Decrement	Decreases brightness		
Scan Next Track	Skips to next track	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Scan Previous Track	Back to previous track	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Stop	Stop	<input checked="" type="checkbox"/>	
Eject	Eject		<input checked="" type="checkbox"/>
Play/Pause	Play/Pause	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Volume	Volume		
Mute	Mute	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bass	Bass		
Treble	Treble		
Bass Boost	Bass Boost		
Loudness	Loudness		
Volume Increment	Increases volume	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Volume Decrement	Decreases volume	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bass Increment	Increases bass		
Bass Decrement	Decreases bass		
Treble Increment	Increases treble		
Treble Decrement	Decreases treble		
AL Consumer Control Configuration	Launches Media Player	<input checked="" type="checkbox"/>	
AL Email Reader	E-mail	<input checked="" type="checkbox"/>	
AL Calculator	Calculator	<input checked="" type="checkbox"/>	
AL Local Browser	My Computer	<input checked="" type="checkbox"/>	
AC Search	Search	<input checked="" type="checkbox"/>	
AC Home	WWW	<input checked="" type="checkbox"/>	
AC Back	Back	<input checked="" type="checkbox"/>	
AC Forward	Forward	<input checked="" type="checkbox"/>	
AC Stop	Stop	<input checked="" type="checkbox"/>	
AC Refresh	Refresh	<input checked="" type="checkbox"/>	
AC Bookmarks	Favorites	<input checked="" type="checkbox"/>	

System Requirement

The operating environment for the tool is as follows.

Windows:

Item	Requirements
OS	Microsoft® Windows Vista® Ultimate / Enterprise / Business / Home Premium / Home Basic SP2 (x86/x64) Microsoft® Windows® 7 Ultimate / Enterprise / Professional / Home Premium SP1 (x86/x64) Microsoft® Windows® 8 / 8.1 Enterprise / Pro / Windows 8/8.1 (x86/x64)
.NET Framework	.NET Framework 3.5 or later
Display	Resolution: 1024 x 768 or higher 65,536 colors or more (1.677 million colors or more recommended)
USB	1 or more USB ports can be used
Supported languages	English, French, German, Russian, Swedish, Czech, Japanese

Macintosh:

Item	Requirements
OS	Mac OS X 10.5 - 10.10
Display	Resolution: 1024 x 768 or higher 65,536 colors or more (1.677 million colors or more recommended)
USB	1 or more USB ports can be used
Supported languages	English, French, German, Russian, Swedish, Czech, Japanese