



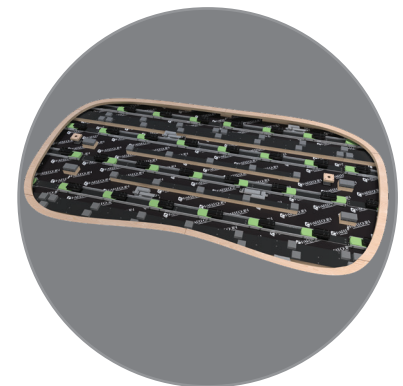
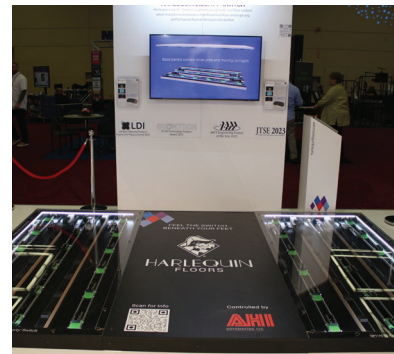
**Harlequin Liberty® Switch** is a revolutionary multi-use floor which transforms between a sprung performance floor and a rigid theatrical floor at the touch of a button. It is a modular floor system consisting of a base unit housing the control and drive mechanisms topped with a Harlequin Liberty® LatchLoc sprung floor.

## Application

Harlequin Liberty Switch is designed for venues who regularly put on both dance and theatrical performances and so require both a high-quality sprung dance floor and a rigid theatre floor in the same performance or rehearsal space.

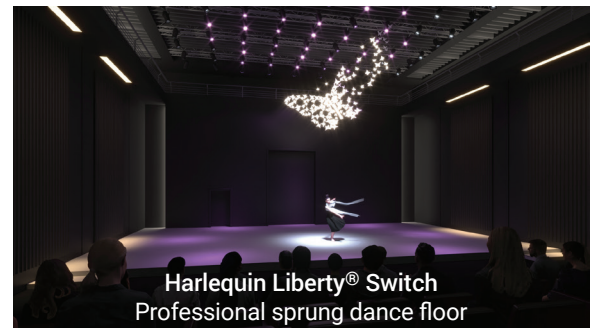
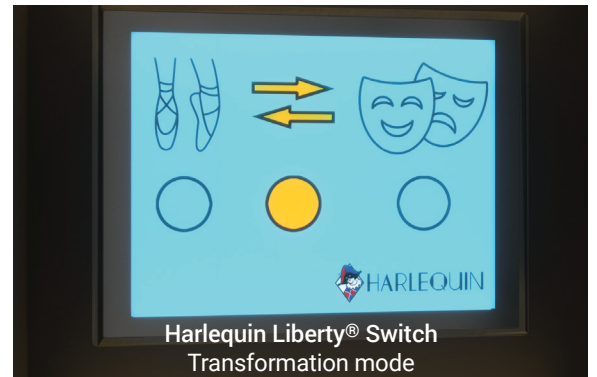
## Specification Guide

<b>Testing Standards</b>	BS EN 1990:2002 BS EN 1991-1-1:2002 BS EN 1995-1-1:2004 BS EN 14904:2006 (Sprung Dance Mode)
<b>Load Rating (Standard 3 track system)</b>	Rigid Theatre Mode
<b>Point Load</b>	>809 lbs
<b>Distributed Load</b>	>626 lbs/ft <sup>2</sup>
<b>Performance</b>	Sprung Dance Mode
<b>Point Load</b>	>809 lbs
<b>Distributed Load</b>	>208 lbs/ft <sup>2</sup>
<b>Shock Absorption</b>	67%
<b>Vertical Deformation</b>	0.16"
<b>Area Deflection</b>	12.8%
<b>Weight</b>	
<b>Total Panel weight (Standard 3 track system)</b>	176 lbs/5.5 ft <sup>2</sup>
<b>Size</b>	
<b>Panel Length</b>	96"
<b>Panel Width</b>	48"
<b>Minimum Floor Height</b>	3 5/8" nominal (excluding performance surface)
<b>Fire Rating</b>	Bfls 1 to EN 13501
<b>Impact Generated sound Level within Room (Δ Lw)</b>	104.20DB
<b>Thermal Resistance - R Value</b>	1.52 m <sup>2</sup> K/W
<b>Thermal Insulation - U Value</b>	0.658W/m <sup>2</sup> K
<b>Category of Use</b>	A4
<b>VOC Emissions</b>	<0.10 mg/m <sup>3</sup>
<b>Installation</b>	Installed by Harlequin's technical team
<b>Patents</b>	<b>UK:</b> GB2592382 <b>USA:</b> US 11,649,646 B2 <b>Australia:</b> 2021227418 <b>International:</b> WO2021/170970
<b>Awards</b>	<b>LDI</b> - Best Debating Product, Staging and Rigging Award 2022 <b>ABTT</b> - Engineering Product of the Year 2023 <b>JTSE</b> - Innovation Award 2023 <b>SHOWTECH</b> - DTHG Technology Product Award 2023



# Features and Benefits

- Transforms from sprung to rigid mode in less than 30 seconds (subject to size of installation).
- Simple one-touch operation using a hard-wired master control unit.
- Can be integrated with most existing stage control or building management systems.
- Allows for maximum use of space.
- No storage costs.
- Can be 'zoned' to create sprung or rigid areas within the floor if required.
- Requires no power to stay in selected mode.
- Modular system can be modified to meet any structural design requirements, ideal for studios, rehearsal rooms and stages.
- 3-track system as standard. Custom systems available for various load and space requirements.
- May be configured to incorporate features such as traps, lifts and revolves as required.
- Harlequin Liberty Switch is more sustainable than the traditional alternative of using a portable sprung floor or ballet wagon. Having one multi-purpose floor instead of two separate floors uses less resources. The floor does not need to be stored, moved, installed, or uninstalled for each performance, reducing the manpower required and energy consumed.
- Harlequin Liberty Switch uses no power to stay in the selected mode, minimizing energy consumption.
- All timber used in the manufacture of Harlequin Liberty Switch is responsibly sourced from sustainable well-managed forests that are FSC certified.



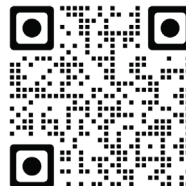
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For samples or information on Harlequin Floors complete range of vinyl and sprung floors.