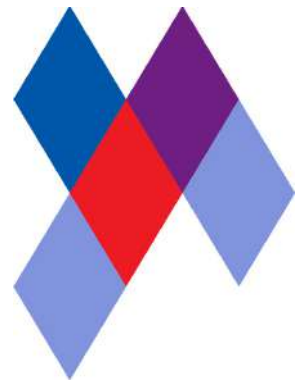


Harlequin Liberty Switch®



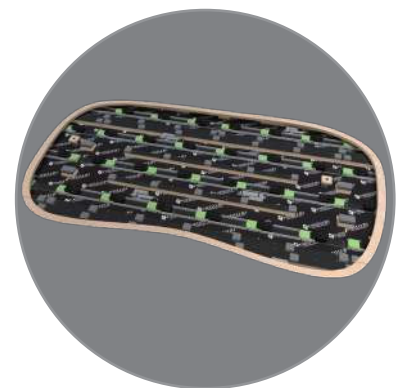
Harlequin Liberty Switch is a revolutionary new multi-use floor which transforms between a sprung performance floor and a rigid theatrical floor at the touch of a button. It is a modular floor system consisting of a base unit housing the control and drive mechanisms topped with a Harlequin Liberty sprung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

Testing Standards	BS EN 1990:2002 BS EN 1991-1-1:2002 BS EN 1995-1-1:2004
Load Rating (Standard 3 track system)	Rigid Theatre Mode
Point Load	>3.6kN
Distributed Load	>30kN/m ²
Performance (Testing standard BS EN 14904:2006)	Sprung Dance Mode
Point Load	>3.6kN
Distributed Load	>10kN/m ²
Shock Absorption	67%
Vertical Deformation	4.1mm
Area Deflection	12.8%
Weight	
Total Panel weight (Standard 3 track system)	82kg/28.5kg m ²
Size	
Panel Length	2400mm
Panel Width	1200mm
Minimum Floor Height	91mm (excluding performance surface)
Fire Rating	Bfls 1 to EN 13501
Impact Generated sound Level within Room (Δ Lw)	104.20DB
Thermal Resistance - R Value	1.52 m ² K/W
Thermal Insulation - U Value	0.658W/m ² K
Category of Use	A4
VOC Emissions	<0.10 mg/m ³
Warranty	System 10 years, electrical components 1 year
Installation	Installed by Harlequin's technical team
Patents	Australia: 2021227418 UK: GB2592382 USA: US 11,649,646 B2 International: WO2021/170970
Awards	ABTT - Engineering Product of the Year 2023 JTSE - Innovation Award 2023 SHOWTECH - DTHG Technology Product Award 2023 LDI - Best Debuting Product, Staging and Rigging Award 2022



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.
- Comes as a 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.



If you would like further information or advice please contact us on
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