

Xine Robotics



About Xine Robotics

Xine Robotics is a brand of eXplorentis, we are a technology research and design company based in Belgium at Lab of Tomorrow in Boom.

We specialize in light and motion technology for different markets, such as entertainment and bio responsive lighting.

Light shapes how we feel, grow and thrive, it's more than illumination, it's life itself.

† We believe light influences every vital emotion, our well-being, health, and quality of life, even shaping how we experience entertainment. Driven by this, we passionately collaborate with partners to develop intelligent light solutions that support and enhance living systems.

Our **team of specialists** have decades of cumulative research and development experience. They master multispectral LED lighting technology in addition to electronic, mechanical and software engineering.

As an extra dimension we combine motion with visual sources to express depth within 3D spaces of lamination.





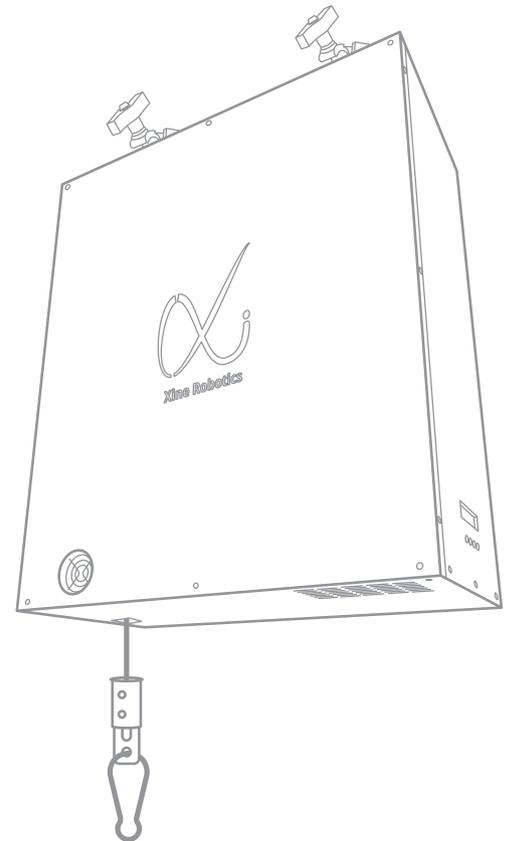
Network Controlled Winch Systems

At Xine Robotics, we design network controlled stage automation technology that blends engineering precision, digital control, and uncompromising safety.

Whether you're creating theatrical performances, stunning light shows, or dynamic media installations, we deliver motion systems that are quick and easy to program, including 3D simulations.

We've created a motion system which can be managed by standard light or video controllers, to ensure seamless integration and synchronicity for live performance.

Our network system is based on the KLSTR. technology which enables smart and fast system configurations, live monitoring, separate safety system, single or twin modus and accurate moves.





Unmatched Performance

Deliver smooth, silent, and precise motion with advanced motor control. Whether lifting lights, props, or set pieces, the WX2512 is engineered for stability and synchronization.



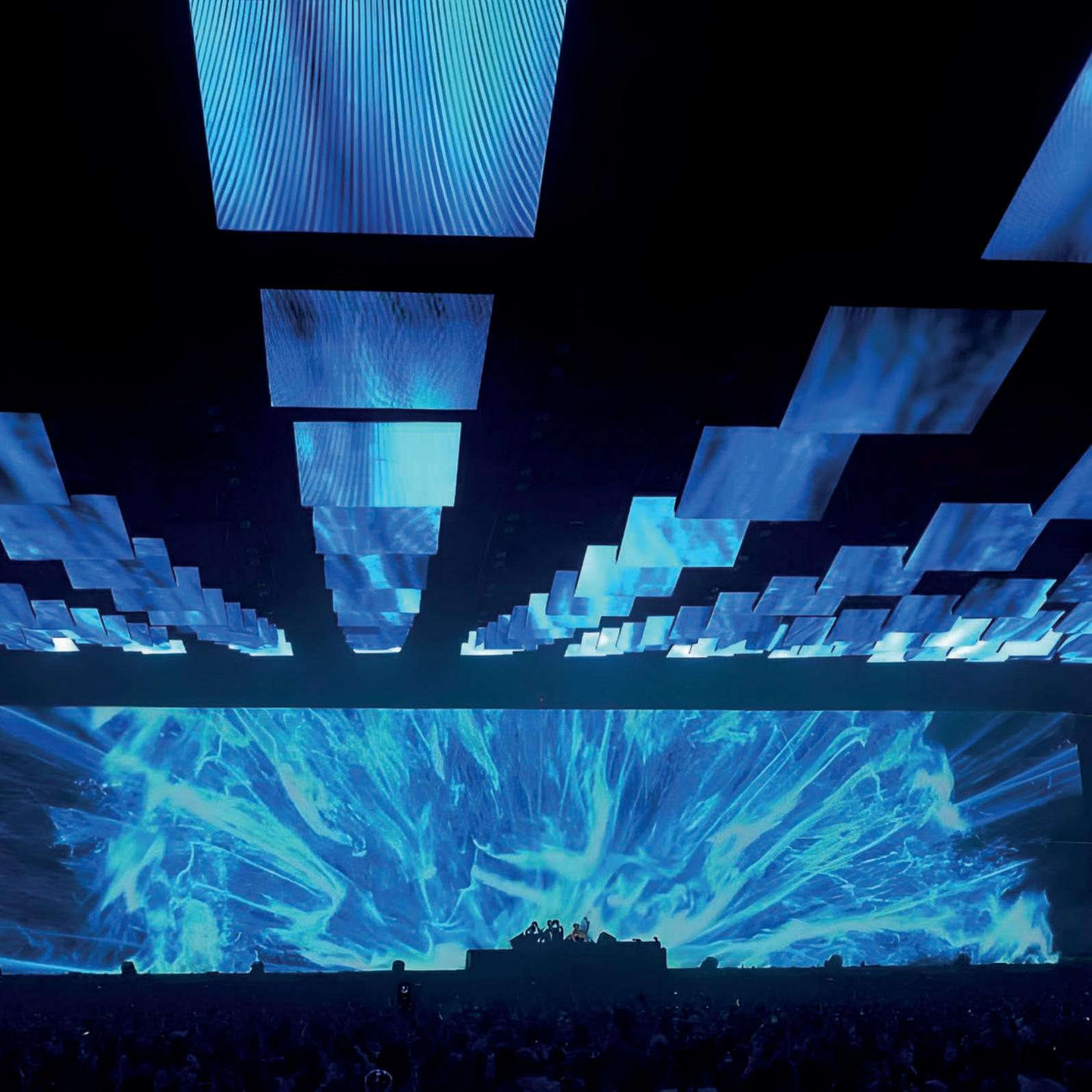
Safety You Can Trust

The integrated Safety SYS provides 24V looped redundancy with support for up to 14 units on a single line and each emergency processor has 5 safety loops in each safety box, handling maximum 120 units. Our Safesys controller is also network based to enable large scale productions. With a single safety distro, you can connect up to 560 winches (70 per safety box, with one safety distro controlling up to 8 safety boxes).



Intelligent Control

Control winches via DMX, ArtNet, or sACN with real-time channel mapping. Use the KLSTR.ctrl app or onboard menu for easy setup, addressing, and calibration.



Product

WX2512 Winch

Precision, performance, and safety, engineered for modern stage automation

Full Network-Based Control

The WX2512 is designed for control over standard entertainment networks like DMX, ArtNet and sACN, allowing operators to manage movement across multiple units from a single interface.

Built-In Safety System

A 24 volt safety loop connects all winches and safety boxes, making sure the system responds immediately to emergency stops and keeps movement locked unless all safety conditions are met.

Accurate Positioning

The motor uses 16-bit DMX resolution, allowing the load to move smoothly in very small steps, even when traveling the full height of 12 meters/ 39 feet.

Easy Rigging and Power Distribution

The winch can be mounted on trusses using standard clamps and includes feed through connectors for both power and data to support fixtures or other devices below. The weight of the winch is 36 kg/80 lb.

12 M CABLE

39 FT CABLE

(STEEL + POWER + CAT5E)

1.2 M/S

47 IN/S

MAX SPEED

0 TO 90

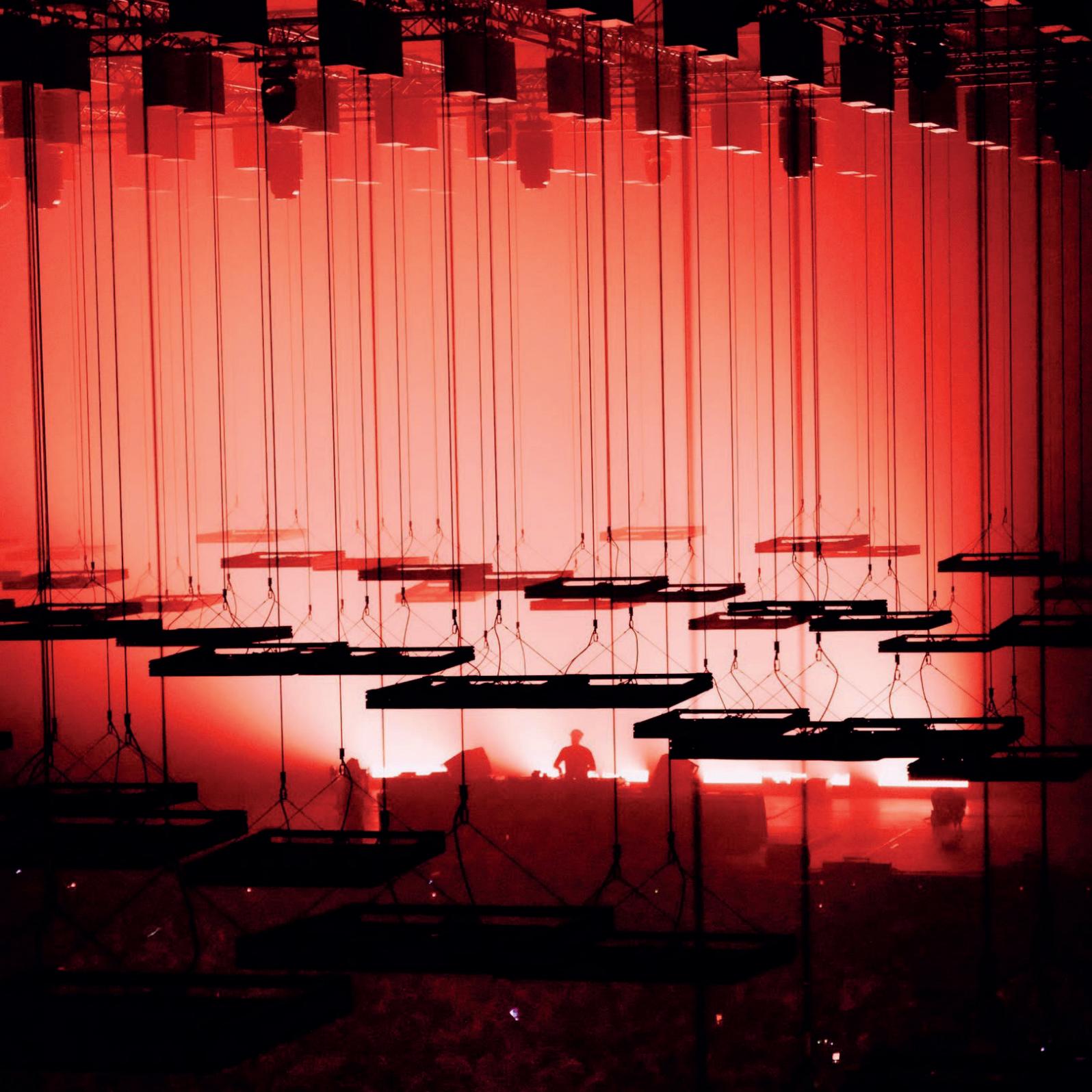
DEGREES

MAX ANGLE CONTROL

25 KG

55 lb

MAX LOAD



Powered by KLSTR.one

Smart Control Built In

These winches were co-developed with the developers at KLSTR and are equipped with the KLSTR.one chip. This chip enables a simplified workflow, easy setup, redundancy, and strong control over the system.



Intelligent Safety Integration

Smart Emergency Stop System

Built-In Response for Any Scenario

Our winch systems feature three distinct emergency stop methods to ensure maximum safety during operation. Whether you need immediate shutdown or a controlled stop, the system responds instantly and reliably.

Reliable Data Transmission

Trigger a full system halt by pressing an E-stop button, disconnecting mains power, or interrupting the 24V safety loop. This stops all motion immediately, ideal for emergencies but puts maximum stress on the system.

Soft Stop with DMX Control

For safer, smoother intervention, set the Speed Channel to DMX value 255 or adjust the Motor Enable Channel to the “Motor Disabled” range (DMX 0–120). Both methods trigger a controlled ramp-down, even if applied abruptly.

Whether you're preprogramming cues or reacting live during a show, the WX2512's safety system ensures reliable control at every stage.



Up to 70 winches Safety Box

Our smart Safety Box allows you to connect and safeguard up to 70 winches, enabling a complete system stop without just cutting the main power. With a single emergency stop, the unit delivers safety that goes far beyond simply removing the power stream.

The system operates entirely independent of winch control hardware, running on a fully separate safety circuit to ensure maximum reliability and protection.

Winches connect via a 6-pin XLR cable with a maximum length of 100 meters or 328 feet, while all emergency stops link to the Safety Box using NL4 Speakon cables.



14 units max on 1 safety loop = 70 units on 1 safety box



□ XLR 6 Pin

□ NL4

□ CAT6A

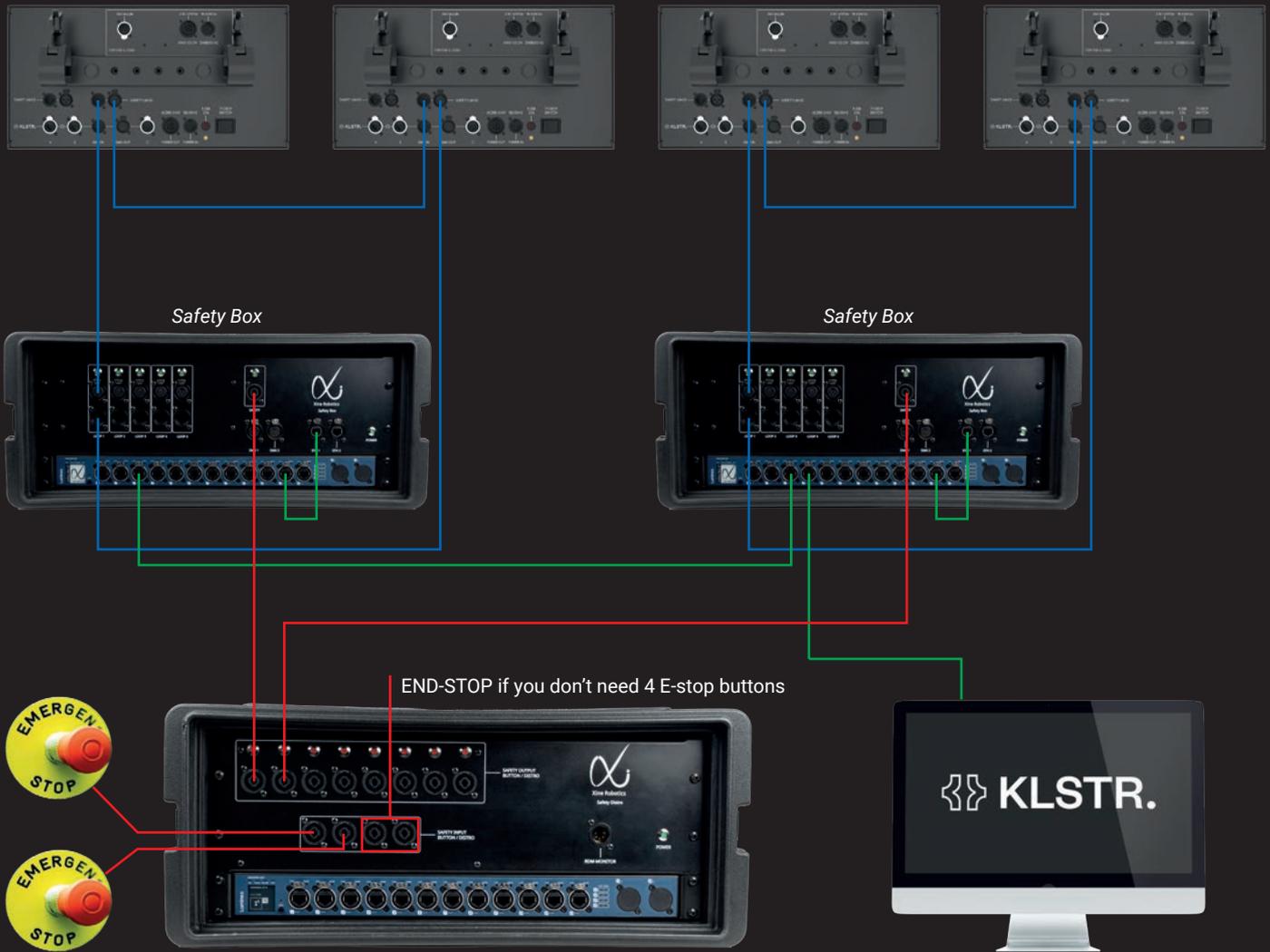
More than 70 winches Safety Distro

For larger installations requiring more than 70 winches or multiple emergency stops, the Safety Distro expands your system capacity up to an impressive 560 connected winches.

Operating on the same smart safety principle as the Safety Box, it provides an extended safety network with up to four E-stop stations; allowing emergency-stop buttons to be placed at multiple key locations such as front of house, stage left, stage right, or backstage.

The Safety Distro links directly to the Safety Box using NL4 Speakon cables, creating a seamless and reliable extension of your dedicated safety circuit.





□ XLR 6 Pin

□ NL4

□ CAT6A

Get the Tools to Set Up and Operate
**Everything You Need to
Get Started**

Find all essential resources for installing, operating, and mastering your WX2512 system. From downloadable manuals to expert-guided setup sessions.

**System Setup
Components**

Interested in the full system setup for your WX2512 installation?

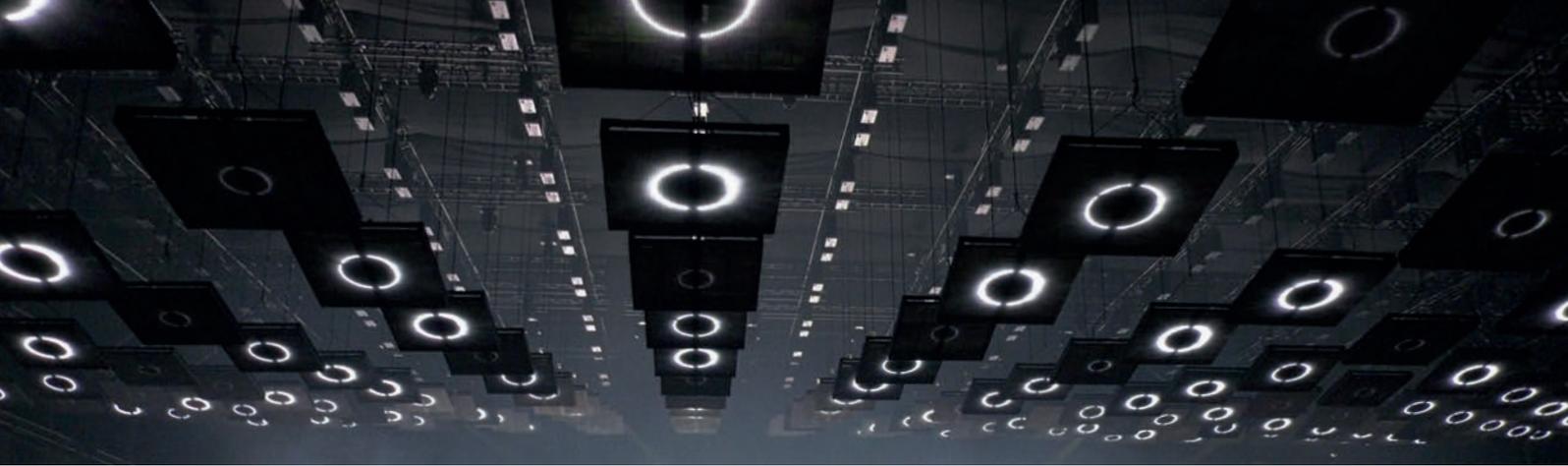
**User
Manual**

Need detailed technical info on installation, configuration, and safety?

**Operation
Guidelines**

Want to operate the WX2512 system with full confidence?





Contact Us

Xine Robotics is a brand of FACE Innovation and developed in house from our R&D team.



Karel De Piere
Founder & CEO



Frederik Colman
Product Designer

✉ info@xinerobotics.com

☎ +32 3 844 67 97

📍 Hoek 76 - Unit 301
2850 Boom, Belgium



Xine Robotics

xinerobotics.one