

IX DMX INTERFACE

IX range

The IX range is Nexmosphere's category of intelligent interfaces for connecting third-party products to our platform. Designed for integrations such as DMX lighting and merchandise security, it expands the possibilities for interactive experiences. By bridging Nexmosphere technology with trusted external systems, the IX range delivers flexibility, simple implementation, and more connected, creative applications.



DMX interface

The DMX interface is designed to connect third-party lighting systems directly to the Nexmosphere platform. Housed inside an XLR connector, this compact interface enables seamless integration of DMX lighting into interactive installations. It allows lighting effects to respond intelligently to sensor input, creating more immersive and dynamic experiences. With its smart form factor and direct X-talk compatibility, the DMX interface offers a simple, reliable way to add professional lighting control to your Digital Signage installations.

Features

- Controls one DMX512 universe
- Direct ramping of 4 channels
- Transitions between scenes

X-talk

The IX DMX interface can easily be connected to any Nexmosphere controller using the X-talk interface. All settings of the IX interface are programmable via the controller, enabling seamless integration into your application.

- Compatible through any Nexmosphere Xperience controller
- Powered by and configurable with Nexmosphere Xperience controller

Control DMX

The DMX interface is designed to control a single DMX512 universe, allowing multiple daisy-chained lighting fixtures to be controlled through a single interface.

Direct ramps

Ramp commands control up to four channels simultaneously, transitioning each channel to a new value over a ramp time of between 0.1 and 9.0 seconds. Multiple ramp commands can be executed in sequence.

This function is typically used for simple DMX fixtures, such as RGBW LED bars or spotlights.

Scene transitions

The IX-DM6 allows you to predefine multiple scenes, each containing up to 48 channels. You can transition to a specific scene using a configurable ramp time, enabling smooth changes between scenes and the creation of dynamic lighting programs.

This makes scene transitions especially suitable for more complex DMX fixtures, such as moving heads.

Benefits

- Housed inside an XLR connector for direct connection to a DMX fixture via an industry-standard 3-pin XLR cable
- Multiple DMX interfaces can be connected to a Nexmosphere controller to control multiple DMX universes
- No pre-programming required; control is handled directly via Nexmosphere's easy-to-implement Serial or UDP API

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Thermal specifications

Operating temperature: +10°C...+40°C/ +50°F ... +104°F
Storage temperature: -20°C...+50°C/ -4°F ... +122°F

Electrical specifications

- Operating voltage: 5V DC (via X-talk interface)
- Power consumption: 100mA

Miscellaneous

- Standard 180cm cable length
- Custom cable lengths available on request
- 2-year warranty (optional 3-year extended warranty available)

Packaging

Items per carton 1, 10 or 50 pcs

Standards and Certifications

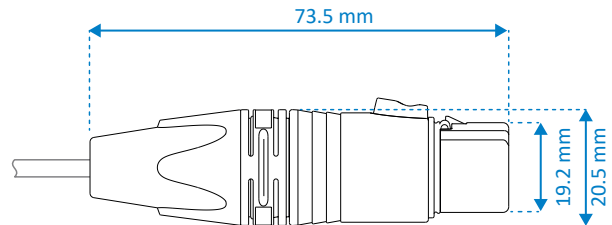


RoHS
compliant

UL certification pending

Mechanical dimensions

LxWxH: 73.5 x 20.5 x 20.5 mm



Hardware interface

3-pin female XLR connector

Ordering information

Product ID	Description	Net weight	Quantity
IX-DM3	DMX interface (no scenes), 180cm cable	57g	1 pc
IX-DM6	DMX interface with scenes, 180cm cable	57g	1 pc

Nexmosphere

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