

DX series



- ▶ 30,60 or 120 2.4kW dimmers per rack
- ▶ Dual 2.4kW or single 6kW dimmers per module
- ▶ 350,500 and 800 microsecond rise-time options
- ▶ Fully magnetic dimmer circuit breakers
- ▶ Dimmer feedback and status reporting option
- ▶ Advanced configuration programming
- ▶ 99 backup cues
- ▶ Opto-isolated dual DMX connections
- ▶ Ethernet-based networking option
- ▶ Off-line programming



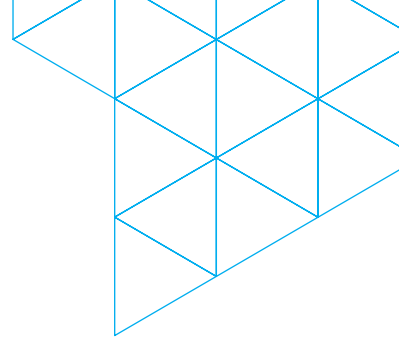
Lehigh's DX Series dimming system provides the industry's highest dimmer density with 120 – 2.4kW dimmers in one cabinet.

With 30 to 120 dimmers, the DX Series racks are ideal for small to large projects including professional and educational theatres, television studios, hotels, churches, and convention centers.

The System Control Module (SCM) provides the sophisticated control functions required for theatrical productions: dual DMX-512 control inputs; program, edit, and recall backup presets; programmable panic control; Ethernet based communication; and dimmer status reporting. All SCM functions are programmable using the rack control station or a PC which can also provide off-line editing. As an option, the DX-30 dimmer rack is available without the SCM for small projects that require only a single DMX control input.

The DX dimmer racks are compatible with Lehigh's Collage architectural system and provide a seamless interface between a theater's stage and house light controls. For architectural applications, the basic Collage system provides 24 presets in each of 16 independent areas with 128 system control channels while the advanced Collage option expands the system to 512 channels over 64 areas.

An Ethernet option provides the connection for remote system monitoring, programming, and subsystem networking. All Ethernet based control and monitoring can be provided using a compatible console or PC. Architectural applications can be designed as smaller subsystems and networked for single point control, ideal for convention center and large hotel projects.



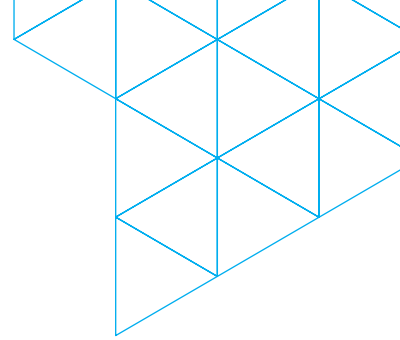
DX series

Dimmer Racks

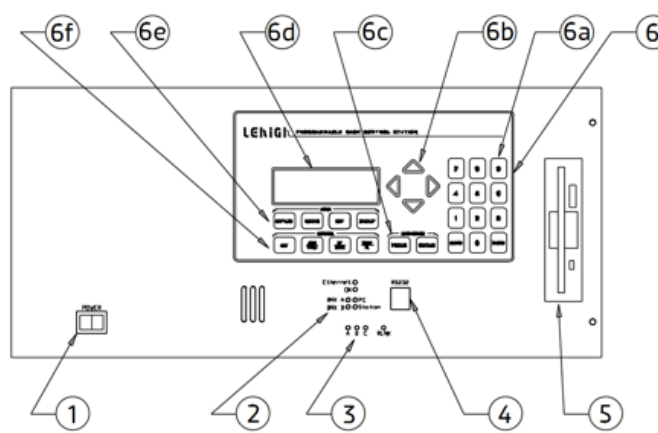
Dimmer module



Catalog No.	Description
Standard Modules :	
D22	Dual 2.4 KW dimmer module with 350µs chokes
D22S	Dual 2.4 KW dimmer module with 350µs chokes with sensing
D22HR	Dual 2.4 KW dimmer module with 500µs chokes
D22HRS	Dual 2.4 KW dimmer module with 500µs chokes with sensing
D12EHR	Single 2.4 KW dimmer module with 800µs chokes
D12EHRS	Single 2.4 KW dimmer module with 800µs chokes with sensing
D16	Single 6.0 KW dimmer module with 350µs chokes (no output circuit breakers)
D22CB	Dual 20A constant circuit breaker module
D12FPC	Single 2.4 KW fluorescent dimmer module for phase control dimmable fluorescent ballasts (2 or 3 wire).
D22FDC	Dual 2.4 KW fluorescent dimmer module for dimmable fluorescent ballasts with 0-10V DC control.
D22ND	Dual 20A non-dim module
DFM	Dimmer filler module
Dual Width Modules : (Requires two dimmer module spaces)	
D16HR	Single 6.0 KW dimmer module with 500µs choke and 4-20A branch circuit breakers
D16HRS	Single 6.0 KW dimmer module with 500µs choke with sensing and 4-20A/1P branch circuit breakers

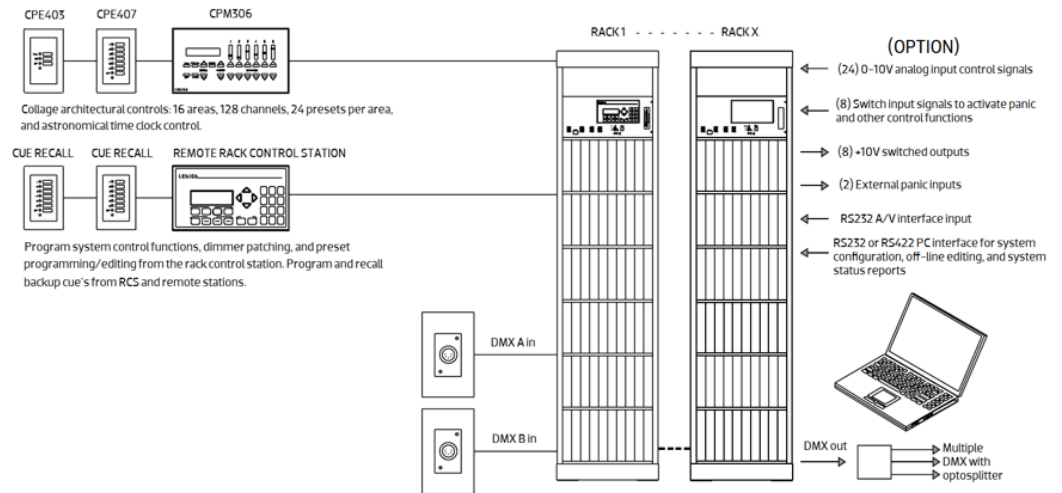


Control Panel Details



- ① Power Switch
- ② Control Indicators
- ③ Status Indicators
- ④ RJ11 Jack PC Port
- ⑤ Floppy Disk Drive
- ⑥ Rack Control Station
 - ⑥a Numeric Keypad
 - ⑥b Scroll Keys
 - ⑥c Focus Check
 - ⑥d LCD Display
 - ⑥e Menu Keys
 - ⑥f Control Keys

Typical System Riser



Control system uses industry standard DMX-512 control protocol. Dual DMX-512 option permits simultaneous input from two DMX-512 sources.

Some control functions shown above require optional equipment.

See the system specifications for optional control features or contact Cristal for additional information.