ETC

Unison Mosaic Show Controller X

Control Series



GENERAL INFORMATION

Mosaic Show Controllers (MSCs) are the permanent part of your installation supporting DMX512 and DMX-Over-Ethernet protocols to control color-mixing fixtures, conventional dimmable fixtures and automated lights. The MSC X is available in capacities up to 51,200 outputs from a single controller. The MSC X has an extensive range of external and onboard triggering interfaces, as well as a built-in time clock to trigger events, including astronomical and lunar events. Additional triggering interfaces are supported by networking with Mosaic Remote Devices. The MSC X empowers you to send the data to your network using multiple DMX-over-Ethernet protocols simultaneously.

APPLICATIONS

- High-channel-count LED lighting control
- Pixel mapping
- Show control and lighting integration

FEATURES

- Playback for a wide range of fixture types and devices
- Pixel mapping for video effects
- DMX-over-Ethernet data output
- Built in triggering interface with conditional logic and timeclock based controls
- **VideoConnect**: Digital-video input for live-video mapping via optional capture card
- **RealEngine**: ensures an accurate representation of your show whether in software simulation or when played live to connected controllers
- **DesignerAccess**: internal web server with active pages providing status, configuration information, remote monitoring, and remote show uploads
- Programmed and configured using Mosaic Designer 2 Software

REGULATORY AND COMPLIANCE

- cETLus Listed
  - Conforms to UL-60950-1
  - Certified to CAN/CSA-C22.2 No. 60950-1
- CE Compliant
- California Title 20/24 compliant

ORDERING INFORMATION

Show Controller X

MODEL	DESCRIPTION
MSCX10	Mosaic 5120 Channel Show Controller
MSCX20	Mosaic 10240 Channel Show Controller
MSCX30	Mosaic 15360 Channel Show Controller
MSCX40	Mosaic 20480 Channel Show Controller
MSCX50	Mosaic 25600 Channel Show Controller
MSCX60	Mosaic 30720 Channel Show Controller
MSCX70	Mosaic 35840 Channel Show Controller
MSCX80	Mosaic 40960 Channel Show Controller
MSCX90	Mosaic 46080 Channel Show Controller
MSCX100	Mosaic 51200 Channel Show Controller
MSCX-B	Mosaic X Backup Controller

Add -VCC to the above model to include the Video Capture Card. This option must be specified at the time of order.

Related Mosaic Show Controllers

MODEL	DESCRIPTION
MTPC	Tessera Panel Controller
MSC_[1]	Mosaic Show Controller
MALC	Mosaic Atlas
MALCP	Mosaic Atlas Pro

[1] Available with one(1), two(2) or four(4) DMX universe output(s)

Realted Products

MODEL	DESCRIPTION
M108-__	Button Station
M-TS	Mosaic Touchscreen
MRIO-A	Audio/Timecode Remote Device
MRIO-D	DALI Remote Device
MRIO-I/O	Input/Output Remote Device w/ Serial

SPECIFICATIONS

GENERAL

- Available with 5120 to 51,200 outputs
- Support for DMX512/RDM and DMX-over Ethernet control output
  - Supports streamingACN, KiNet, Pathport, and ArtNet
  - Supports multiple protocol outputs simultaneously
- Supports triggering form sACN and Artnet level input
- Battery-backed real-time, astronomical and lunar timeclock
- Triggering and show-control integration using optional Remote Devices
- Simple integration with other Mosaic devices for large systems, including additional MSC X and Atlas controllers
- Solid-state, high-reliability components
- Five year warranty

FUNCTIONAL

- Control for LED fixtures, fountain jets, and moving lights
- Scalable up to 40 Mosaic controllers using standard Ethernet
- Project data stored in non-volatile, solid-state memory
- Resumes output automatically upon receiving power
- Supports conditional logic and scripting for integration
- Software and configuration upload using Ethernet
- DVI video (HDMI compatible) input for live video via optional video capture card
- Ethernet integration with Mosaic RIO modules, Button Stations, and other Mosaic Show Controllers
- Integrated web server provides active monitoring and remote triggering using Ethernet

MECHANICAL

- Low profile, one E.I.A 19 in rack unit tall
- Rugged aluminum enclosure with integrated heatsink
- Plug-able rear panel data and power connections

ELECTRICAL

- 100–240 VAC, 50/60 Hz power input using IEC connector
  - Total power consumption of 2 A at 120 V and 1 A at 240 V
- Two 10/100/1000 Ethernet ports for data output, programming and system integration
- One DVI video port for live video output to compatible devices
- Optional Video Capture Card supports DVI video input for video-mapping (-VCC)
- One DB9 port for RS232 serial integration

THERMAL

- Ambient temperature: 0°–50° C (32°–122° F)
- 10–50% relative humidity, non-condensing

PHYSICAL

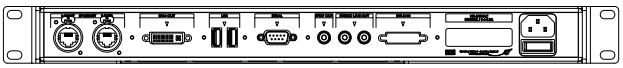
Show Controller X Dimensions*

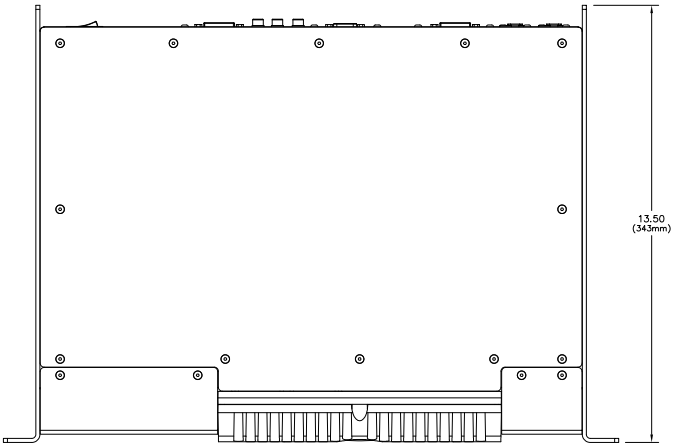
MODEL	HEIGHT		WIDTH		DEPTH	
	in	mm	in	mm	in	mm
All Models	1.75	45	19.0	483	13.5	343

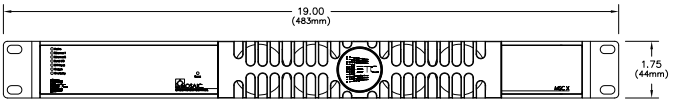
Show Controller X Weights*

MODEL	WEIGHT		SHIPPING WEIGHT	
	lb	kg	lb	kg
All Models	7.0	3.1	11.0	5.0

*Weights and dimensions typical







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