

SandBox EMX2/100

Portable, compact DMX-on-Demand™ device



The SandBox EMX2/100 is not merely an Ethernet pathway for DMX signals, but a true second-generation network device enabling a multitude of new features and functions.

The SandBox EMX2/100 hosts a powerful processor and protocol stack that supports a comprehensive set of networking standards in addition to today's manufacturer specific and open "DMX over Ethernet" protocols. This offers an exceptional level of connectivity with DMX input and output from a wide variety of lighting control systems from industry leading manufacturers. The EMX2/100 supports both 10BaseT and 100BaseT for unparalleled throughput and easy integration with high traffic network topologies.

The SandBox EMX2/100 scales very well from small stand-alone systems with only one or two devices to server based networks with a large number of different consoles and controllers, thousands of devices, and many thousands of channels. The EMX2/100 is also a native SandNet device that excels in environments with sophisticated requirements for network processing, management, and monitoring. The EMX2/100 supports firmware uploads over Ethernet to accommodate the evolving world of entertainment networks and will easily handle emerging standards like RDM and ACN.

- Compact, rugged, portable unit for DMX-on-Demand™.
- Two individually isolated bi-directional DMX-512 ports.
- Configuration and management via built-in web server or Sand Net Local-Link.
- Extensive DMX routing, patching, and processing functionality.
- Full protocol stack with UDP, TCP/IP, IPX, SMTP, etc., etc....
- Supports both 10BaseT and 100BaseT.
- Automatic, programmable, error and status e-mails.
- RDM ready with remote EOL and Fail-Safe termination.
- Power over Ethernet per 802.3af or external supply.
- Available with male or female XLRs or combination.
- LEDs for Ethernet, power, and DMX port direction, activity, and termination.

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Sand Network Systems

Physical:

Enclosure:

Extruded black anodized aluminum.

Molded urethane feet.

40 x 67 x 113mm / 1.6 x 2.6 x 4.5".

225g / 8 oz.

Connectors:

2 DMX Neutrik gold plated 5P M or F XLR.

Ethernet Neutrik EtherCon™ RJ-45.

Power Jack 2.1 x 6mm.

Power Neutrik 4P M XLR.

LED Indicators:

Ethernet Activity.

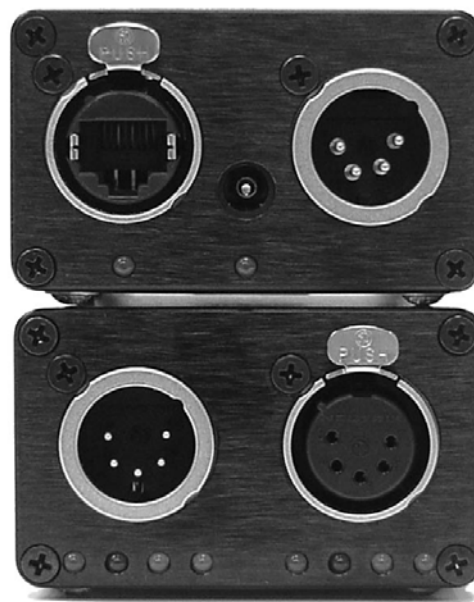
Power OK.

2 DMX input status and activity.

2 DMX output status and activity.

2 DMX EOL Termination.

2 RDM Fail-safe Termination.



Power:

250mA 9-48VDC or

Power over Ethernet IEEE 802.3af 2W 48W

Ordering Info:

SB-EMX2/100FF	SandBox with 2 female DMX ports
SB-EMX2/100MF	SandBox with 1 male and 1 female DMX port
SB-EMX2/100MM	SandBox with 2 male DMX ports
SB-EMXW	Wall mount bracket
SB-EMXC	C-Clamp bracket
SB-EMXPS	External Power Supply

Related Info:

SandNet LocalLink for SandBox configuration and management is available to download from www.sandsys.com for free. Other SandNet products offer a variety of middleware packages that facilitate extensive protocol conversion, processing, management, and monitoring of entertainment and control networks. SandBox is also available with an USB interface with 2 DMX ports, the UMX2, or 4 DMX ports, the UMX4.

Sand = Scalable autonomous network devices

Implementation of RDM, ACN, 802.3af, other emerging standards and the general specifications are subject to change without notice.
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