

SandBox EMX2/10

A new generation DMX-on-Demand™ device



The SandBox EMX2/10 is the first member of a new generation portable Ethernet to DMX devices that will open up for exciting new applications and possibilities in the world of lighting control networks. The compact and rugged package facilitates DMX-on-Demand™, a concept that makes it possible to employ the EMX2/10 when and where you actually need DMX.

The SandBox EMX2/10 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 enabling DMX input and output from a wide variety of lighting control systems from industry leading manufacturers. The EMX2/10 supports 10BaseT and all the standard network protocols for easy integration with most Ethernet topologies.

The SandBox EMX2/10 works well in small stand-alone systems with only one or two devices, as well as in networks with a large number of different consoles, dimmers, moving lights, scrollers, and other DMX devices. The EMX2/10 is also a native SandNet device for applications with extensive requirements for network processing, management, and monitoring.

- Compact, rugged, portable unit for DMX-on-Demand™.
- Two 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.
- Comprehensive protocol stack with UDP, TCP/IP, IPX, etc., etc....
- 10BaseT Ethernet interface.
- Supports most manufacturer specific "DMX over Ethernet" protocols.
- Supports all open "DMX over Ethernet" protocols.
- Firmware uploads over Ethernet.
- Power over Ethernet or external supply.
- 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 F XLR.

Ethernet Neutrik EtherCon™ RJ-45.

Power Jack 2.1 x 6mm.

LED Indicators:

Ethernet Activity.

2 DMX input status and activity.

2 DMX output status and activity.

2 DMX EOL Termination.



Power:

250mA 9-48VDC or

Power over Ethernet 48V 2W

Ordering Info:

SB-EMX2/10FF SandBox with 2 female DMX ports

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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