

# SandBox SB-BBB1/100™

## Portable 1 Universe Art-Net & sACN Node with PoE



- **Compact portable unit for DMX-on-Demand™ .**
- **Art-Net I, II, & 3 and Streaming ACN E1.31.**
- **One bi-directional DMX-512A port.**
- **User selectable Ethernet to DMX or DMX to Ethernet.**
- **Self-healing ESD & transient protection.**
- **Male and female XLRs for ease of use.**
- **LEDs indicate DMX port direction and activity.**
- **Support for both 10BaseT and 100BaseT.**
- **Powerful 32bit ARM processor.**
- **Auto MDI/MDI-X for straight or cross-over CAT5/6 cabling.**
- **Power over Ethernet PoE 802.3af or external supply.**
- **Free software for configuration, testing, and management.**

The SB-BBB1/100 was designed as a versatile and budget friendly connectivity solution for the Ethernet protocols most commonly used in today's stage, studio, and architectural lighting applications. This highly portable and rugged package enables Art-Net and Streaming ACN input and output for the majority of today's lighting control systems, show controllers, and visualizers.

The DMX port is bi-directional for maximum flexibility so that the port can be configured as an input or output. The SB-BBB1/100 supports 10BaseT and 100BaseT for unparalleled throughput and easy integration with any network topology. Auto MDI/MDI-X eliminates the need to worry about straight vs. cross-over cabling. Power over Ethernet provides effortless power to the unit via PoE switches or mid-span PoE injectors. An external wall-wart style power supply can be used when PoE is unavailable.

SandBoxes are easily configured and managed with the free Sand Device Browser or with any other SandNet software application. A factory default button provides a convenient configuration starting point for the novice user. SandBoxes also supports firmware uploads over Ethernet to accommodate the rapidly evolving world of entertainment networks.

## Specifications:

### Enclosure:

Extruded black anodized aluminum.  
Molded urethane feet.  
40 x 67 x 113mm / 1.6 x 2.6 x 4.5".  
222g / 7.8 oz.

### Connectors:

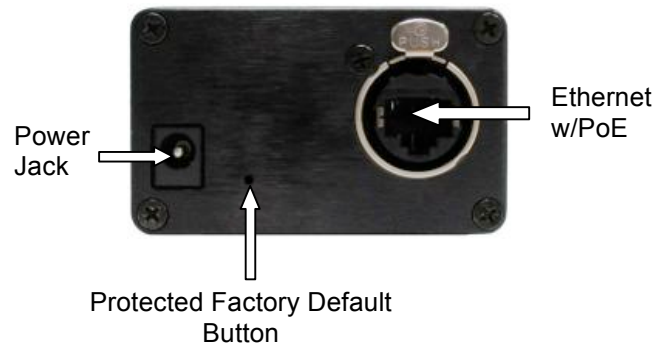
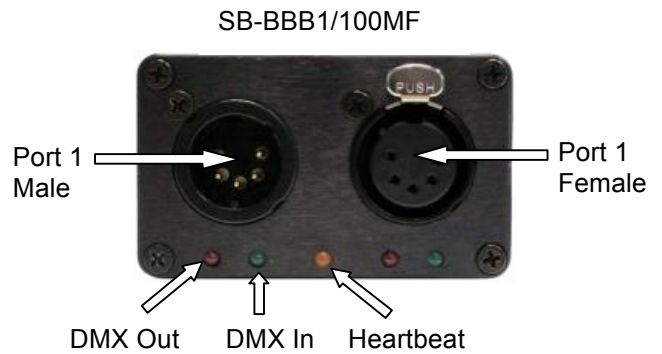
2 x DMX - gold plated 5P M and F XLR.  
1 x Ethernet - Neutrik EtherCon™ RJ-45.  
1 x Power jack 2.0x6.5mm, positive center pin.

### User Interface:

1 x Status / heartbeat indicator LED.  
1 x DMX input status and activity LED.  
1 x DMX output status and activity LED.  
1 x Factory default configuration button.

### Power:

Power over Ethernet IEEE 802.3af 2W 48V  
or 9 - 12VDC 300mA Max on power jack.



## Ordering Info:

|               |   |
|---------------|---|
| SB-BBB1/100MF | SandBox BBB1/100 with 1 male and 1 female XLR connector.        |
| SB-PWR/120    | External 120V power supply North America – Edison / U-ground    |
| SB-PWR/U      | External 100-240VAC universal power supply with global adapters |
| SN-CD         | Sand Device Browser on CD                                       |

## Related Info:

Free configuration and management software is available to download from:

[www.sandsys.com](http://www.sandsys.com)

SandBoxes are also available in a variety of enclosure configurations. Other SandNet products offer a variety of middleware packages that facilitate extensive protocol conversion, processing, management, and monitoring.

\*All features might not be available at the time of the product release. All specifications are subject to change without notice.  
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