The Soundweb London BLU-100 represents a premium, open-architecture solution in the form of a highly flexible, cost-effective and scalable package.

**Fixed I/O Configuration**

The BLU-100 offers a fixed configuration of 12 inputs and eight outputs. The analog inputs of the BLU-100 provide software-configurable gain in 6dB steps up to +48dB per channel and software selectable Phantom Power per channel. Phantom Power, Signal Present and Clip information per channel is easily accessible without the requirement for a PC, thanks to front-panel LED indicators.

**Open Architecture Processing**

The BLU-100 features configurable signal processing and logic processing. The signal path between the inputs and outputs can be completely tailored to an application, and all of the processing objects and logic objects used in a Soundweb London system are made available to designers within the BLU-100. The configurable signal processing offered by the BLU-100 is roughly twice that of the Soundweb London BLU-80 and BLU-16 devices.

**Digital Audio Bus**

The BLU-100 features a low-latency, fault-tolerant, 48-channel digital audio bus of 100m length, which is standard Category 5 cabling giving a distance of 100m between compatible devices. Three twisted-pairs are used to achieve a maximum distance of 100m for an imageable 48-channel digital audio bus when integrated with the BLU-800, BLU-320, BLU-160, BLU-120 or BLU-BOB devices. The 48-channel digital audio bus can share channels on a single bus.

**Configuration, Control and Monitoring**

The BLU-100 is configured, controlled and monitored from HiQnet™ London Architect v3.0 or later. This facilitates straightforward design processes for integrators and designers. Whether the system includes a single BLU-100 or multiple BLU-100 devices or larger hybrid systems, the design is encapsulated within a single software application.

**External Control**

As with other Soundweb London devices, 12 Control Inputs and six Logic Outputs allow the BLU-100 to be integrated with GPIO compatible devices. An RS-232 port allows integration with third-party control systems or simple serial control of third-party devices such as projectors, displays and lighting controllers. In addition to providing the connection for configuration, control and monitoring, the Ethernet port allows integration with third-party control systems using IP control.

**Evolution**

The BLU-100 is an example of Soundweb London technology, with the leverage of Soundweb London's technology, functionality and flexibility, the BLU-100 represents a significant new product. The BLU-100 broadens the reach of Soundweb London and makes a solution strongly associated with high-profile projects available to many more applications. The BLU-100 and the other members of the Soundweb London family provide the building blocks of the perfectly tailored system solution.
Whether a solo or a full ensemble, Soundweb London delivers the perfect performance.