

ARCHITECTS & ENGINEERS SPECIFICATION for the X6-16OUT unit

The device shall be a 16-channel analog-AES/EBU converter unit to transform analog signals to AES/EBU and vice versa. It shall be equipped with 16 XLR line level outputs. The device shall function in applications where the D/A conversion is needed. The 16 XLR outputs shall include the adjustment of the channel level in two steps: 0 dBFS and -10 dBFS. The signals shall be converted by premium D/A technology. Two AES/EBU ports on the rear panel shall enable the split of the digital signals. One shall be used as an I/O port to receive the 16 digital AES/EBU channels. The second one shall function as a split port in order to transfer AES/EBU signals to other devices with AES/EBU interfaces. The Word Clock IN / OUT and THRU shall enable the synchronization of the units to an external source and shall be used to pass on the word clock from one unit to the next. For stand-alone applications, the devices shall be equipped with an internal word clock. Configuration and control shall be possible using the USB and RS232 ports. Control software shall operate on a PC, offering full remote access and upgradeable internal logic. LED banks on the front of the device shall provide comprehensive status control. The module shall be compliant with the CE conformity and shall be used in E1, E2, E3, E4, or E5 environments according to the harmonized European standards EN55103-1 and EN55103-2.

The optical, digital I/O network module shall be the Optocore® X6-16OUT unit.