

Barco R9801500 IOSONO CORE Audio processor/MM configuration with 128 speaker outputs via MADI

Housing	19 in. / 4RU
Power supply	Voltage / Frequency range: 100-240 VAC / 50-60 Hz
Display	7" color display with resistive touchscreen provides basic controls and preset selection
Volume control	Hardware volume wheel and remote control software
Remote control	Remote control software for Microsoft Windows provides control of all functionalities over standard TCP/IP network connection. Static IP and DHCP possible. Media control commands can be received via network and RS232.
Connectors	<ul style="list-style-type: none"> • USB: 2 x USB 2.0, Type A • Ethernet ports: 1 x Gigabit ethernet, RJ45 (Remote control) / 1 x Gigabit ethernet, RJ45 (Extension/s) • RS232: 1 x Sub-D (DE-9M with UNC 4-40) • Wordclock input / output: 1 x BNC 75 ohm / 1 x BNC 75 ohm • Video sync input: 1 x BNC 75 ohm • Linear timecode (LTC) input: 1 x BNC ohm
Audio connectors	<ul style="list-style-type: none"> • MADI optical input / output: 1 x SC per 64 channels / 1 x SC per 64 channels • MADI electrical input / output: 1 x BNC 75 ohm per 64 channels / 1 x BNC 75 ohm per 64 channels • AES/EBU input / output: 1 x Sub-D (DB-25F with UNC 4-40) per 8 mono input / output channels
Standard software	<ul style="list-style-type: none"> • 2D rendering for loudspeaker setups consisting of one single layer • Object-based and discrete multi channel audio formats • Synchronization via audio input, wordclock input and video input • Rendering of 128 audio objects simultaneously to all available audio outputs with up to 24 bit / 48 kHz
Software options	<ul style="list-style-type: none"> • Player: playback of object based IOSONO content from internal storage as well as streamed content from external devices. Playback of 48 kHz multichannel wave files from internal storage. Synchronization possible over LTC timecode input • 3D renderer: upgrade from 2D to 3D Rendering. Speaker setups with multiple layers and dome shapes supported. • Render+: real-time processing of 5.1 and 7.1 audio inputs for enhanced spatial distribution of audio scenery • System tuning: acoustical tuning and sound improvement of an IOSONO system based on multiple microphone measurements and individual FIR filters for every loudspeaker • Remote convolver: real-time convolution of audio signals and FIR filters generated in MATLAB • Processing at 96 kHz sample rate
Hardware configurations	<ul style="list-style-type: none"> • All configurations also available with redundant power supply • 64 MADI input / output mono channels • 128 MADI input / output mono channels • 32 AES input / output mono channels • 64 MADI input / output mono channels + 16 AES input / output mono channels
Hardware extension	IOSONO CORE extension: extends the number of output channels by steps of 128 per extension. Two or more units can be connected to a IOSONO CORE processor which works as the head unit.
Dimensions (W x H x D)	485 x 178 x 615 mm / 19 x 7 x 24.2 inches Installation depth (without connectors): 555 mm (21.9 in.)
Weight	20 kg / 44.1 lbs
Certifications	CE, KC, CCC, UL, RCM