APX AuroMax®

Spatial audio processor

- **Affordable upgrade to immersive sound**

- **Add-on to existing Auro 11.1 systems**

- **DCI-compliant and future-proof for peace of mind**

AuroMax® is a revolutionary sound rendering technology that combines the best characteristics of object-based technology with the Auro 11.1 immersive sound format for the most realistic and natural immersive experience available. The APX AuroMax® spatial audio processor is the core component of the AuroMax® audio system. Fully futureproof, this processor will be software upgradeable to the single standardized format for immersive cinema sound, once this becomes available in the industry.

High-quality rendering of audio objects

The APX AuroMax® spatial audio processor provides superior rendering of audio objects by combining the unique ability of the Auro 11.1 format to create backward compatible immersive mixes with the revolutionary object-based rendering of Barco Audio Technologies (formerly IOSONO). Combined with the three-layer approach of the Auro 11.1 format, AuroMax® creates a truly lifelike representation of immersive audio.

Limited investment

This technology allows users to easily install immersive sound in both existing and new theaters without compromising on quality. Offering realistic immersive sound at up to half the cost of a typical object-based sound system, AuroMax® keeps the economics of your business healthy while enabling you to offer your guests the best cinema sound – which can only be experienced at your local theater.

Maximum flexibility

AuroMax® takes the 3 distinct surround layers and 6 screen channels from the Auro 11.1 speaker layout and adds additional zones to the room, which makes it upgradable for existing Auro 11.1 systems. This approach maintains the same large sweet spot and guarantees the most natural representation of channel and object-based immersive sound, regardless of room size.

BARCO

PRODUCT SPECIFICATIONS	APX AUROMAX®
Functionality	AP24 AuroMax add-on, DCI compliance ready
Control	Local control, TMS commands, APX client
Network connection	2 x RJ-45 ethernet connections (remote control, object-based audio data input)
Data Configuration storage	SD card slot for data backup
Audio Inputs	AES / EBU digital audio input: 2 x RJ-45, 16 mono channels
Audio output	■ APX: 32 channel analog audio ouput: 4 x D-sub (DB25F with UNC 4-40), servo balanced, 300 mV RMS @ -20 dB FS ■ APX-D: 32 channel digital audio ouput: 2 x D-sub (DB25F with UNC 4-40), AES / EBU audio ■ HI (hearing impaired), VI-N (visual impaired-narrative), MON (monitor), servo balanced, 300 mV RMS, 10 pin connector
Housing	19 in. / 2 RU
Dimensions (W x H x D)	483 x 89 x 370 mm / 19 x 3.5 x 14.6 in (without connectors)
Mounting	345 mm / 13.6 in mounting depth
Weight	5.44 kg / 12 lbs
Operating temperature	0 - 40 °C / 32 - 104 °F
Operating humidity	0 - 80 % RH, non condensing
Storage temperature	-20 - +60 °C / -4 - 140 °F
Storage humidity	0 - 80 % RH, non condensing
Power requirements	Mains: 100 - 240 VAC / 50 - 60 Hz
Power consumption	Mains: 50 W / 1.0 - 0.5 A
PSU	■ External bypass PSU input power requirements: 100 - 240 VAC / 50 - 60 Hz ■ External bypass PSU output voltage: 12 VDC
Accessories	■ US: SD card, monitor output connector, AuroMax sticker, AuroMax plaque, 4 times DB25 output breakout cables, safety instructions, user and installation manual (EN), external bypass PSU, US power cord, AP24 connection cable kit ■ GRC: SD card, monitor output connector, AuroMax sticker, AuroMax plaque, 4 times DB25 output breakout cables, safety instructions, user and installation manual (CH), CH power cord ■ Rest of world: SD card, monitor output connector, AuroMax sticker, AuroMax plaque, 4 times DB25 output breakout cables, safety instructions, user and installation manual (EN), EU power cord
Other accessories	AP24 connection cable kit, external bypass PSU
Certifications	CB, CE, UL / CSA
Warranty	24 month

Last updated: 21 Jan 2018

Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.

ENABLING BRIGHT OUTCOMES

BARCO