AFC
ACTIVE FIELD CONTROL

Open Architecture Digital Signal processor.

The DME10 is a highly-powerful digital signal processor with Dante interface.

DME10 main features

■ Extremely Powerful and Scalable 96 kHz Digital Signal Processor.

■ Native redundant Dante interface with 256 inputs and 256 outputs.

■ Includes a 32 objects inputs / 16 outputs AFC (Immersive Processor) license, software upgradeable up to 128 inputs / 64 outputs.

■ Includes dozen of audio components such as Ambient Noise Compensator, Auto Gain Control, Program Ducker, Feedback Suppressor and more.

■ Supports OSC (Open Sound Control) protocol to interface with remote control software, mixing consoles and 3rd party compatible hardware.

NEXO

nexo-sa.com

The NEXO DME10 processor, codevelopped with Yamaha, is a 96 kHz Digital Signal Processor with very high computing resources.

Developed with Yamaha know-how

Introduced in the years 2000's, the DME24 and DME64 were among the first digital audio processors with open architecture, letting user creating its own audio flow and components routing.

The DME10 extends capacity thanks to the 256 inputs / 256 outputs Dante Interfaces and last generation 96 kHz 64-bits processor.

Additionally, a 8 channels USB audio interface, a SD card reader and a GPIO port extend the connectivity.

Expandable Immersive Processor

The DME10 natively includes a 32 audio objects input / 16 audio channels output AFC Image component, the reference Immersive processing engine developed by Yamaha.

By activating additional software license (NX-AFC-I) the AFC Image component can be extended to 64 in / 32 out (with 1x NX-AFC-I license) or up to 128 in / 64 out (with 2x NX-AFC-I license)

Incredible amount of processing capacity

By offering three times the computing resources of its little brother the Yamaha DME7, the NEXO DME10 ensures enough capacity to run additional audio processing than the AFC Image Immersive processing component, like multiple AFC components for several rooms, high number of channels AFC component, additional level/delay matrix, or future processing.

Comprehensive software suite

The DME10 relies on the Yamaha Software Suite consisting in the following software.

Provisionaire Design allows to configure, off-line and on-line, real-time, the internal architecture of the DME10.
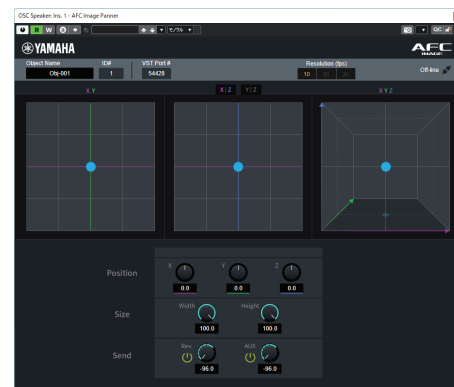
AFC Image Editor is dedicated to setup the AFC Image component through a local area network.

Finally, Provisionaire Cloud website and Provisionaire Portal app are used for additional license activation if needed. Please check NEXO website for additional information.

Please note that other Provisionaire software like PV Edge, PV Control Plus and PV Kiosk are also compatible with DME10. Please refer to Yamaha website for additional information.

Extended control through OSC protocol

Thanks to the OSC (Open Sound Control) protocol supported by the DME10, 3rd party remote control software or 3rd party remote control hardware such as mixing desk, control surface and trackers can interact with the processor.

AFC Image Editor showing the possibility to move an object along the three axis

NEXO is one of the world's leading sound reinforcement loudspeaker manufacturers. Founded in 1979, the company is dedicated to crafting practical solutions with solid engineering. Each new design begins with a proprietary sophisticated computer simulation process that allows every parameter to be extensively modeled and simulated, leading to breakthrough cost and performance gains. NEXO's comprehensive product line includes loudspeakers, analogue and digital control electronics and amplification; all designed to deliver consistent sound quality and long term reliability for a broad range of applications.

GENERAL SPECIFICATIONS	
Dante Interface	256 In / 256 Out, Redundant
Dante Sampling Frequency	44.1 / 48 / 88.2 / 96 kHz
Dante Bit Depth	24 / 32 Bit
USB Audio Interface	8 In / 8 Out with SRC
USB Audio Sampling Frequency	44.1 / 48 / 88.2 / 96 kHz
CONNECTORS	
Dante	etherCON x 2 (Primary / Secondary)
	1000Base-T
DCP	RJ45 x 1
USB To Host	USB 2.0 Type-C (USB Audio)
USB To Device	USB 2.0 Type-A (For file saving)
Network	RJ45 x 1 / 100Base-TX
GPIO	Euroblock 16 pin (mini) x 2
	(GPI x 16, GPO x 8, +5 V Power x 4)
MIDI	DIN 5pin x 2 (In, Out)
AC IN	AC Inlet (IEC, V-Lock) x 2
SYSTEM OPERATION	
AC Power Requirement	100 V to 240 V; 50 Hz/60 Hz
Power Consumption	100 W
Operation Temperature	0 °C to +40 °C
Storage Temperature	-20 °C to +60 °C
Dimensions (W x H x D)	480 x 132 x 363 mm (3U)
	(18.90 x 5.20 x 14.29 inch)
Net Weight	9.5 kg (20.94 lbs)

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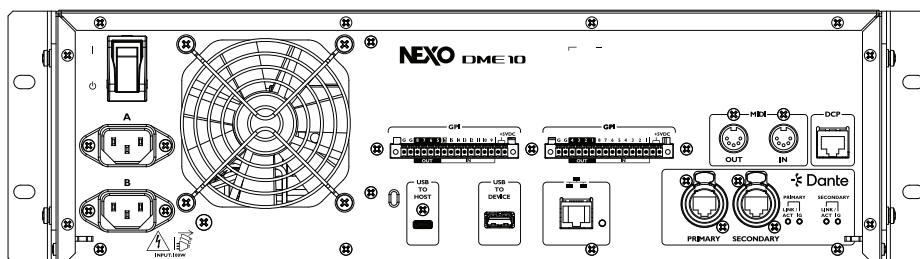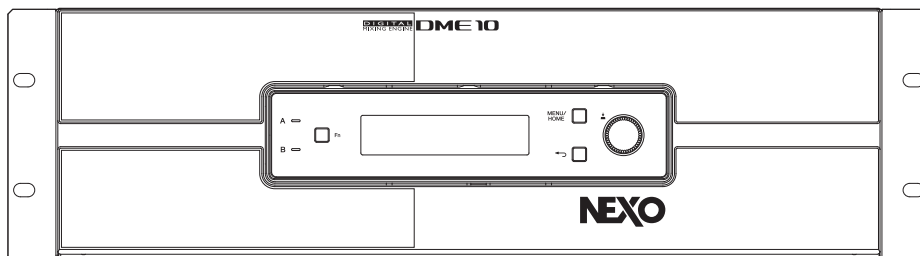Fax: +33 (0) 3 44 99 00 30
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