VES series Network Audio system is a pure TCP/IP based solution developed especially for schools, universities, factories and any enterprise application. The system is designed with features to facilitate daily operations of any business entity as well as for the education sector.

This is one of the most simplified plug-and-play Network Audio System in the market. The solution is highly reliable and cost effective. It can be used with or without the Network System Manager as the main controller. The system also features the VES App that runs on mobile devices to allow users to control the system and make announcements conveniently directly from any smartphone.

On top of its simplicity and convenience, this system is fully equipped with the necessary control inputs for fire alarm, security system, panic buttons or any other safety and security system integration.

VES 21-IPC | VES Network System Manager

The Network System Manager is an optional unit providing PC paging, Time scheduled music and automated messages, as well as status monitoring of the VES Network Audio System. The unit will also provide the user interface for system initialization, configurations and monitoring as the system scales up. With its Time Scheduler feature, pre-recorded messages or music can be scheduled to broadcast to designated areas automatically. The Network microphone and paging consoles in the system are still capable of functioning even without the VES 21-IPC.

Technical Specifications

	VES 21-IPC
Network	10/100Mbit Ethernet
Operating System	Windows Embedded Standard 7
Application Interface	VectusNet Platform
Power Requirement	24Vdc, 5A Power Adaptor
Dimension (W x H x D)	197 x 65 x 197 mm

VES 401 | Network Audio Insert

This is an audio insert that accepts stereo analog audio, encodes and streams it via standard Ethernet (LAN). It accepts analog audio signal via the 3.5mm phone jack or panel feedthrough connector. This unit will serve as a Background Music Source or any other message player audio insert for the system. The unit has optional settings for "Always ON" or "Trigger ON" mode. This unit comes with a dry contact Control IN for remote triggering and can be used without a VES 21-IPC VES Network System Manager in the system.

Technical Specifications

	VES 401
Analog Audio Input	0 dB (Stereo) 3.5mm phone jack or panel feedthrough
Audio Encoding Format	MP3
Controls	1 Control IN
Networking	10/100Mbit Ethernet
Application Interface	VectusNet Platform
Power Requirement	24Vdc, 1A Power Adaptor
Dimension (W x H x D)	169 x 51.6 x 124 mm

VES 401-M | Network Audio Insert-EVAC

This is an audio insert that accepts stereo analog audio, encodes and streams it via standard Ethernet (LAN). It accepts analog audio signal via its 3.5mm phone jack or panel feedthrough connector. This unit will serve as a Background Music Source and an Evacuation message player. This unit comes with a dry contact Control IN for interface with any Fire Alarm panel. Once triggered the unit will stream a pre-stored message to all zones. The VES 401-S can be used without a VES 21-IPC VES Network System Manager in the system.

Technical Specifications

	VES 401-M
Analog Audio Input	0 dB (Stereo) 3.5mm phone jack or panel feedthrough
Built in Message format support	MP3 : Comes with built in storage for 1 Evacuation message file
Audio Encoding Format	MP3
Controls	1 Control IN
Networking	10/100Mbit Ethernet
Application Interface	VectusNet Platform
Power Requirement	24Vdc, 1A Power Adaptor
Dimension (W x H x D)	169 x 51.6 x 124 mm

VES 43 | Touch Screen Network Paging Console

This is a touch screen network paging console that allows user to operate the system through its simple and powerful User Interface (UI). Announcement to zones individually or collectively can be made from this console. From this console the user can control and trigger any messages to be played to any designated areas. This unit can be used with or without VES 21-IPC Network System Manager.

Technical Specifications

	VES 43
Network	10/100Mbit Ethernet
Touchscreen	10 inch Capacitive touch
Microphone	Non-removable condenser gooseneck microphone with windshield
Operating System	Android
Power Requirement	24Vdc, 2A Power Adaptor
Dimension (W x H x D)	304 x 150 x 151 mm

VES 44 & VES 44EM | Network Paging Console

This is a network paging console that allow users to make announcement from any network point. Its buttons can be programmed to assign zone or group of zones to it. The main unit VES 44, provides 8 zone buttons and the extension VES 44EM provide 12 zone buttons. This console can be used with or without the VES 21-IPC Network System Manager.

Technical Specifications

	VES 44 & VES 44EM
Network	10/100Mbit Ethernet
Microphone	Non-removable condenser gooseneck microphone with windshield
Main Console	8 zone buttons
Extension Console	12 zone buttons
Power Requirement	24Vdc, 2A Power Adaptor
Dimension (W x H x D) VES 44	105 x 51.2 x 249.4 mm
VES 44EM	105 x 51.2 x 249.4 mm

VES 601 | **Network Audio Extract**

This is a Network Audio Extract that decodes network audio signals into analog audio signal. This audio signal can be fed into AEX SYSTEM's range of power amplifiers. This unit comes with a Control IN, a Control OUT dry contact and an RS-232 communication port. This unit can be used with or without the VES 21-IPC Network System Manager.

Technical Specifications

	VES 601
Audio Output	0dB Mono Balanced (panel feedthrough)
Frequency Response	20Hz ~ 20kHz
Network Audio Input	1 no. Network Audio Stream
Audio Decoding Formats	PCM
	MP3
Controls	1 no. Control Out
	1 no. Control In
	RS232
Networking	10/100Mbit Ethernet
Application Interface	VectusNet Platform
Power Requirement	24Vdc, 1A Power Adaptor
Dimension (W x H x D)	169 x 51.6 x 124 mm

VES 604 | **4-Channel Network Audio Extract**

This is a 4-Channel Network Audio Extract that decodes network audio signals into analog audio signal. This audio signal can be fed into AEX SYSTEM's range of power amplifiers. This unit comes with a Control IN and Control OUT dry contact. This unit can be used with or without the VES 21-IPC Network System Manager.

Technical Specifications

	VES 604
Audio Output	4 nos. of 0dB Mono Balanced (panel feedthrough)
Frequency Response	20Hz ~ 20kHz
Network Audio Input	1 no. Network Audio Stream
Audio Decoding Formats	PCM
	MP3
Controls	4 nos. Control Out
	1 no. Control In
	RS232
Networking	10/100Mbit Ethernet
Application Interface	VectusNet Platform
Power Requirement	24Vdc, 1A Power Adaptor
Dimension (W x H x D)	169 x 51.6 x 169 mm

VES 6003PD-L | **30W Network Audio Amplifier**

This network amplifier receives and decodes IP audio streams. This unit features a built-in 2 x 15W digital amplifier and is designed to power low impedance speakers. This unit is suitable to be deployed at areas that require high quality audio reproduction. This unit comes with a Control IN, a Control OUT and an RS-232 communication port. This unit can be used with or without the VES 21-IPC Network System Manager.

Technical Specifications

	VES 6003PD-L
Rated Output Power	2 x 15W (8 ohm)
Frequency Response	20Hz ~ 20kHz
Protection	Short Circuit and Overload Protection
Network Audio Input	1 no. Network Audio Stream
Audio Decoding Formats	PCM
	MP3
Gain Controls	Volume control for amplifier output
Controls	1 no. Control Out
	1 no. Control In
	RS232
Networking	10/100Mbit Ethernet
Application Interface	VectusNet Platform
Power Requirement	24Vdc, 2A Power Adaptor
Dimension (W x H x D)	169 x 51.6 x 169 mm

VES 6003PM-L | **30W Network Power Mixer**

This is network power mixer receives and decodes IP audio streams and features a built-in 2 x 15W digital amplifier. This Power Mixer has provision for local Microphone input and Auxiliary input. There is a MUTE function to mute the IP BGM signals, but still allowing the higher priority IP audio signals to distribute through this power mixer. This unit comes with a Control IN, a Control OUT and an RS-232 communication port. This unit can be used with or without the VES 21-IPC Network System Manager.

Technical Specifications

	VES 6003PM-L
Rated Output Power	2 x 15W (8 ohm)
Frequency Response	20Hz ~ 20kHz
Protection	Short Circuit and Overload Protection
Analog Audio Input	1 no. AUX (-20dB) Stereo Line Input
	1 no. Mic (-60dB) Microphone Input
Network Audio Input	1 no. Network Audio Stream
Audio Decoding Formats	PCM
	MP3
Gain Controls	Gain control for Local inputs
	Volume control for amplifier output
Controls	1 no. Control Out
	1 no. Control In
	RS232
Networking	10/100Mbit Ethernet
Application Interface	VectusNet Platform
Power Requirement	24Vdc, 2A Power Adaptor
Dimension (W x H x D)	169 x 51.6 x 169 mm

VES 606LS | **Network Audio Extract Expander**

This Network Audio Extract Expander decodes the network audio and distribute it into 6 zones. Audio signals fed into the 6 zones are coupled with trigger signals to activate the PM 1003-L amplifiers. This unit comes with a Control IN and a RS-232 communication port.

Technical Specifications

	VES 606LS
Audio Output	6 nos of 0dB Mono Balanced (RJ 45)
Frequency Response	20Hz ~ 20kHz
Trigger Signals	6 nos of Dry Contacts (RJ45)
Network Audio Input	1 no. Network Audio Stream
Audio Decoding Formats	PCM
	MP3
Controls	1 no. Control IN
	RS232
Networking	10/100Mbit Ethernet
Application Interface	VectusNet Platform
Power Requirement	24Vdc, 3A Power Adaptor
Dimension (W x H x D)	169 x 51.6 x 169 mm

VES 612LS | Network Audio Extract Expander

This Network Audio Extract Expander decodes network audio and distribute it into 12 zones. Audio signals fed into the 12 zones are coupled with trigger signals to activate the classroom amplifiers. This unit comes with a Control IN and a RS-232 communication port.

Technical Specifications

	VES 612LS
Audio Output	12 nos of 0dB Mono Balanced (RJ 45)
Frequency Response	20Hz ~ 20kHz
Trigger Signals	12 nos of Dry Contacts (RJ45)
Network Audio Input	1 no. Network Audio Stream
Audio Decoding Formats	PCM
	MP3
Controls	1 no. Control IN
	RS232
Networking	10/100Mbit Ethernet
Application Interface	VectusNet Platform
Power Requirement	24Vdc, 3A Power Adaptor
Dimension (W x H x D)	169 x 51.6 x 169 mm

PM 1003-L | 30W Audio Amplifier

This ultrasmall form factor mixer amplifier is designed to work with the VES 606LS or VES 612LS. The unit allows local mic and AUX line input along with overriding signal from the VES 606LS/VES 612LS unit. The PM 1003-L unit amplifies the audio signal via its 2 x 15W digital amplifier.

Technical Specifications

	PM 1003-L
Rated Output Power	2 x 15W (8 ohm)
Frequency Response	20Hz ~ 20kHz
Protection	Short Circuit and Overload Protection
Analog Audio Input	1 no. AUX (-20dB) Stereo Line Input
	1 no. Mic (-60dB) Microphone Input
Gain Controls	Gain control for Local inputs
	Volume control for amplifier output
Power Requirement	24Vdc, 2A Power Adaptor
Dimension (W x H x D)	169 x 51.6 x 124 mm

VES 22-App | VES App

This is an App that allows user to make wireless remote paging and remote control to the system via App Paging, BGM assigning, Message Broadcasting and Time Scheduling functions using a mobile device. It supports Android devices.