POPE
PROFESSIONAL

One World One Sound

POPE Professional®
Sound Solutions

SoundNet®
Dante® & AES67

Product Catalogue

2025 - 26

POPE

PROFESSIONAL

One World One Sound

PROFILE

The **POPE Professional Acoustics Ltd** designs and manufactures a wide range of POPE Professional sound equipment for places of Worship, Auditoriums, Seminar halls, Conference halls, Discotheques and Live sound applications. In the sound industry, POPE Professional is one of the leading brands in India. Our extensive product range caters to the diverse needs and preferences of customers across all professional sound applications.

Our primary goal is to bring technologically advanced designs to our clients. We use the latest software available to aid our technicians in system design and to predict coverage and sound pressure levels within the seating environment.

Our comprehensive product range ensures that we can accurately meet our customer's technical and financial requirements. We offer competitive pricing, expert advice and information, using a wide selection of products to provide the right equipment for every need.

With the motto "One World One Sound" and ISO 9001:2008 certification, POPE Professional products are innovative, market-responsive, cost-effective and aligned with future technology demands. Every technical aspect of our products has been studied intensively to understand how complete systems function in real-world scenarios.

We have successfully completed numerous projects. In addition, our network of distributors and dealers have executed challenging projects across various states. We assure you of our dedicated service and support at anytime, anywhere.

POPE Professional is our registered brand, representing high-quality products backed by advanced technology.

VISION

"POPE Professional's vision is to be the world leader in sound equipment products and related services. We will earn our customer's enthusiasm through continuous improvement, driven by the integrity, teamwork and innovation of our people."

MISSION

POPE Professional Acoustics Ltd will design, develop, manufacture, supply, install, service, maintain inventory and distribute Line Arrays, Loudspeaker Systems, Power Amplifiers, Digital Signal Processors and Accessories. In addition, we will support systems yet to be developed. We understand and appreciate the many challenges system users face regarding sound clarity, system complexity, and tight deadlines. We support our users by providing not only standard products but also custom solutions tailored to their unique needs.

POPE Professional Acoustics Ltd is a valuable provider of sound equipment, not only offering standard items but also non-standard, small-quantity and specialized items. We are a key part of the complex chain that ensures your project is completed successfully.

COMMITMENT

- To provide the highest quality sound system equipment through our highly skilled and dedicated employees and state-of-the-art patented products.

- To pursue an aggressive, forward-thinking research and development program, ensuring our continued leadership in professional sound and related products.

- To provide the highest standards of service through our highly trained domestic and international field representatives and customer service personnel. Our team is committed to serving customers with exceptional technical expertise in the sound industry.

We will do our utmost to contribute to the successful completion of your projects.

Description

The Dante Digital Audio Network through Ethernet, is a widely adopted audio-over-IP (AoIP) technology that enables the transmission of high-quality, uncompressed, multi-channel audio over standard IP networks using Ethernet cables. It essentially transforms a standard Ethernet network into a digital audio highway, replacing traditional, complex analog cabling systems.

Features

- Simplified Cabling: Dante replaces bulky, expensive multi-channel analog or digital snakes with readily available Cat5e or Cat6 Ethernet cables, significantly reducing cabling requirements, setup time, and costs.
- Superior Audio Quality: Transmits lossless, uncompressed audio with high bit depths and sample rates (up to 32-bit and 192kHz), ensuring pristine sound quality even over long distances and eliminating interference or degradation common with analog signals.
- Low Latency: Offers ultra-low latency, crucial for live sound and recording applications, ensuring tight synchronization and minimal delay.

Advantages

- Scalability: Supports networks of varying sizes, from a small studio setup to large-scale installations with hundreds of channels, and can be easily expanded by adding more Dante-enabled devices.
- Flexibility and Ease of Use: The Dante Controller software automatically discovers devices, enables intuitive audio routing and channel labeling, and allows for quick reconfiguration of the network.
- Cost-effectiveness: Utilizes standard network equipment, reducing the need for specialized and often costly audio infrastructure.
- Compatibility and Interoperability: Widely adopted by numerous manufacturers, Dante ensures compatibility between devices from different brands within the same network.

Applications

- Live Sound: Replacing traditional snakes for concerts, theatrical performances, and other events, offering high channel counts, low latency, and reliability.
- Recording Studios & Post-production: Streamlining studio setups by eliminating complex wiring and enabling flexible routing between interfaces, consoles, and other equipment.
- Commercial Installations: Simplifying audio distribution in hotels, conference centers, places of worship, stadiums, airports, and other large venues.
- Education: Facilitating clear communication and easy collaboration in classrooms and auditoriums.
- Broadcast: Ensuring high-quality and reliable audio transmission for radio and television productions.

Conclusion

The Dante has become a dominant force in the digital audio networking landscape, offering a powerful, versatile, and cost-effective solution for a wide range of applications. Its ability to simplify audio distribution, reduce cabling, and enhance flexibility has made it an essential technology for professionals and enthusiasts alike.

Category	Item	Series	Model	Page No.
Electronics				
	Digital Signal Processor	XT Series	XT-4040	6-7
	Power Amplifier	PM-D Series	PM-500D, PM-800D, PM-1250D, PM-2500D	8-9
	Dante Module	SN Series	SN-4	10
Powered	Powered Line Array & Sub-woofer	TA Series	TA-18BF & TA-10	12-13
	Sub-woofer & Full Range	Tara Series	Tara-18B & Tara-38	16-19
	Powered Line Array & Sub-woofer	TT Series	TT-28, TT-10, TT-210, TT-112, TT-12, TT-212	22-33
			TT-18BV1, TT-18BV2, TT-218BV1, TT-218BV2	35-38
	Connection	TT Series		39-40
	Powered Monitor	SM Series	SM-12C, SM-15C	42-43
	Powered System	SP Series	SP-12B, SP-15B, SP-18B	45-47
	Powered Sub-woofer	MP Series	MP-18BV1, MP-18BV2	49-50

Dante
Digital Network
Powered Systems

Description

The POPE Professional® XT-4040 is our most complete fixed architecture digital processor with a focus on audio performance, FIR / IIR filters, and digital I/O flexibility. Our state of the art processor provides 96 kHz sampling, 40 bit floating point Analog Devices Sharc DSP engine, high performance 24 bit converters, precise algorithms, FIR / IIR crossover filters, Analog, AES67, AESOP & Dante inputs. The result is best in class audio performance and feature set.

The POPE Professional® XT-4040 can be configured stand alone or remote controlled via with the supplied POPE Professional® SoundNet® Networking software application GUI. This Graphic User Interface is not only gives a clear overview off all settings, but at the same time provides you with real time hands on control over all your system parameters. For both fixed and touring applications, the XT-4040 offers you reliable top high end quality sound.

The XT-4040 DSP is having on board Analog, AESOP digital input, FIR / IIR filters and SoundNet® Networking. The customer can add POPE Professional® SN-2 AES67 or SN-4 Dante module at any time to enable digital signal input. The SN-2 or SN-4 digital signal input modules is an optional.

Specifications

Model	XT-4040
Class	4 In / 4 Out Digital Signal Processor
Front Panel Controls	
Display	OLED Display
Level meters	5 Segment LEDs
Menu Selection	1 Dial Encoder
Connectors	
Analog	3-pin XLR (four female for input & four male for output)
Networking	2 x RJ-45 Female
AES67 / Dante® Module	Male 2 x 25 pin dual header connector, Plastic quick connector
Power	Standard IEC Socket
Inputs and Outputs	
Input Impedance	>10k Ohms
Output Impedance	50 Ohms
Maximum Level	+20dBu
Type	Electronically balanced
Audio Performance	
Frequency Response	20 to 20kHz
Dynamic Range	115 dB typ (unweighted)
CMMR	>100dB (50 to 10kHz)
S/N Ratio	> 117dBA on analog In- / Output
	> 120dBA on Dante Input / AES
THD+N	< -100dB @ 1kHz
Digital Audio Performance	
Processor (DSP)	40-Bit Floating Point
Sampling Rate	96kHz
Analog Converters	Super Performance 24-bit
Propagation Delay	1.5ms (1.75-7.75 with FIR)
Audio Control Parameters	
Gain	-100 to +15dB in 0.1 dB steps
Polarity	+/-
Delay	Up to 300 ms per In, 20 ms per Out, 400 ms per Group

Features

- AES67 / Dante / AESOP Digital Input
- Analog 4 in 4 out configuration
- FIR / IIR Filter per Input & Output
- Supplied with SoundNet® Networking software
- Ethernet Connectivity
- 24 bit AD/DA converters
- Sampling rate 96 kHz - 40 bit floating point DSP
- X-Over, Dynamic / RMS / PEAK Limiters
- Phase correction and 24 Presets
- Up to 255 devices in one network
- 1U Rack design

Application

- Live Sound
- Touring Concerts
- Club Systems
- Places of Worship
- Large Nightclubs
- Cinema Theaters

In - Gain / IIR	
Variable Equalizer	7 per In
Mode	BYPASS, PEAK EQ, HP 12dB, LP 112dB, HISHELV, LOSHELV, HISHELV-Q, LOSHELV-Q
Gain	-15 to +15dB in 0.1dB steps
Frequency	20Hz to 20kHz
In - FIR	Load / Flat / Builder
Out - Filter	
Variable Equalizer	10 per Out
Mode	BYPASS, PEAK EQ, HP 12dB, LP 112dB, HISHELV, LOSHELV, HISHELV-Q, LOSHELV-Q, ALLPASS1, ALLPASS2
Gain	-15 to +15dB in 0.1dB steps
Frequency	20Hz to 20kHz
Quality	0.5-100
X-Over	
Frequency	20Hz to 20kHz
Mode	BS LP6, BS LP12, BS LP18, BS LP24, BS LP48, BS HP6, BS HP12, BS HP18, BS HP24, BS HP48
	BW LP6, BW LP12, BW LP18, BW LP24, BW LP48, BW HP6, BW HP12, BW HP18, BW HP24, BW HP48
	LR LP12, LR LP24, LR HP12, LR HP24
	Hardmann HP24, Hardmann HP48
Out - FIR	Load / Flat
Limiter	
RMS	
Threshold	-60dBFs to 10dBFs
Attack time	10 to 10000 ms
Release time	10 to 10000 ms
PEAK	
Threshold	-60dBFs to 10dBFs
Attack time	0 to 1000 ms
Release time	1 to 5000 ms
DYNAMIC	
Threshold	-60dBFs to 10dBFs
Slope	0.50 to 5
Attack time	1 to 1000 ms
Release time	1 to 5000 ms
Mode	PEAK EQ, HISHELV, LOSHELV, HISHELV-Q, LOSHELV-Q
Frequency	20Hz to 20kHz
Quality	0.5 - 100
Filter 1 & 2	
Gain	-15 to +15dB in 0.1dB steps
Frequency	20Hz to 20kHz
Quality	0.5 - 100
Line Array	BYPASS, PEAK EQ, HP 12dB, LP 12dB, HISHELV, LOSHELV, HP 6 dB, LP 6dB, HISHELV-Q, LOSHELV-Q
Line Length	1 to 20
Frequency	20Hz to 20kHz
Gain	-20 to 0dB in 0.1dB steps
Curving	
Frequency	20Hz to 20kHz
Gain	-20 to 0dB in 0.1dB steps
System Parameters	
No. of Preset	24
Delay Units	Millisecond, Feet, Meter, SP
Inputs	Copy / Paste / Default
Mode	User / Administrator
General	
Power	90-265 VAC (50/60Hz)
Dimensions (H x W x D)	44mm x 483mm x 229 mm
Weight	3.6 Kg

Description

The POPE Professional® introduces new Class D amplifier technology offering smooth and responsive handling with massive power output while maintaining POPE Professional's famous sonic integrity. The POPE Professional PM-D Series is using SMPS technology with built in 4 in 4 out DSP, the resulting high power, lightweight units designed for install and professional touring sound applications.

The POPE Professional® PM-D Series is a range of 4 channels, high output power amplifiers. The PM-D Series has been designed to provide that, Powerful Pure Sonic Performance which is now so synonymous with the POPE Professional® brand name. With the introduction of the PM-D Series POPE Professional® aim to deliver simple, pure and reliable power for applications where cost and ease of use are paramount without lose of integrity. The PM-D Series amplifiers are having on board FIR/IIR filters, Analog In/Out, AESOP digital signal In/Out and SoundNet® Networking. The customer can add POPE Professional® SN-4 Dante Network module at any time to enable digital networking. The SN-4 Dante module is an optional.

Features

- Class - D Technology
- FIR / IIR Filter per Input & Output
- Four-channel flexibility
- XLR input and output connectors
- Sampling rate 96 kHz - 40 bit floating
- Up to 255 devices in one network
- 24 bit AD/DA converters
- X-Over, Dynamic / RMS / PEAK Limiters
- 24 Presets
- AES67 / Dante / AESOP Digital Input
- Supplied with SoundNet® Networking GUI

Applications

- Stadium
- Concerts
- Touring events
- Clubs and Discos
- Places of worship
- Theatre and Auditorium
- Educational Institutions

Power Output

Ratings (RMS @ 1% THD @ 230VAC)

Model	Total Channels	4Ω Per Channel	8Ω Per Channel	4Ω Bridged	8Ω Bridged	70/100V
PM-500D	4	500W	250W	2*1250W	2*1250W	2*800W
PM-800D	4	800W	400W	2*2500W	2*1600W	2*1600W
PM-1250D	4	1250W	1250W	-	-	4*800W
PM-2500D	4	2500W	1600W	-	-	4*1600W

Specifications

THD	< 0.05 % (20 Hz - 20 kHz, 8 Ω load, 3 dB below rated power)
Signal-to-Noise Ratio	> 120 dB (A-weighted, 20 Hz - 20 kHz, 8 Ω load)
Frequency Response	20 Hz - 20 kHz ± 0.25 dB / 20 Hz - 20 kHz ± 0.15 dB (8 Ω load, 1 dB below rated power)
Output Circuitry	Class D - full bandwidth PWM modulator with ultra low distortion
Input impedance	15 kΩ balanced
Damping Factor	> 2000 (8 Ω load, 1 kHz and below)
Digital Signal Processor	
In/Out	4 In / 4 Out
DSP	40 bit / 96kHz DSP
Filters	FIR / IIR, Frequency, Gain, RMS, Peak, Dynamic Limiter
Analog Signal	Balanced Input / Output
Digital Signal	Dante® / AES67 / AESOP (SN-2 AES67 / SN-4 Dante Module - Optional)
Connectors	XLR male / female and Ethernet
Control	Ethernet - SoundNet® Networking
Preset	24
	For more specifications about DSP, check the XT-4040 product catalogue.
Connectors and Switches	
Input connectors (per ch)	3-pin XLR, electronically balanced
Output connectors (per ch)	3-pin XLR, electronically balanced
Amplifier Output	4 Pin Speakon 1: +1-1 CH-1, +2-2 CH-2, 4 Pin Speakon 2: +1-1 CH-2,
	4 Pin Speakon 3: +1-1 CH-3, +2-2 CH-4, 4 Pin Speakon 4: +1-1 CH-4
Power on/off	on front-panel switch
Cooling	Fans, front-to-rear airflow
Front-panel indicators	
Display	OLED Display
Per channel	Signal / Clip / Protect
Safety	
	Input limiter, short circuit protection, DC protection of output, under & over voltage protection,
Protection Circuits	SOA protection, intelligent mains fuse protection, power stage overload protection,
	temperature protection for transformer
Power	
Type	Universal & regulated switch mode power supply with Power Factor Correction
Operating voltage	Universal Mains, 90-270V AC
Mains	Power Cord

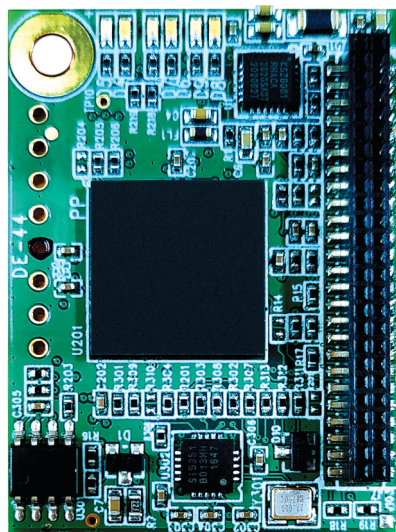| Model	PM-500D	PM-800D	PM-1250D	PM-2500D
Amplifier Dimension	482 mm x 485 mm x 88 mm (W x D x H)		482 mm x 550 mm x 88 mm (W x D x H)	
Packing Dimension	535 mm x 555 mm x 195 mm (W x D x H)		535 mm x 615 mm x 195 mm (W x D x H)	
Size	2U			
Net Weight	9.30 kg	9.60 kg	13.80 kg	14.30 kg
Gross Weight	10.80 kg	11.10 kg	15.70 kg	16.20 kg

Note:

1) All specifications are typical values.

2)   The amplifier will be fully operational at 2 ohm loads, but due to physical constraints in the construction, this mode of operation is not recommended.

3) The PM-500D & PM-800D amplifiers have to select bridge mode for 70/100V operation.

Description

The POPE Professional® SN-4 is an ultra compact 4 In / 4 Out Dante network module. The SN-4 Dante module is compatible with POPE Professional® XT-4040 DSP, PM-D Series amplifier, TT, TA, Tara, SP, MP & SM Series powered speakers. The SN-4 module can simply plug and play with DSP through female 2x25 pin dual header socket.

The SN-4 Dante network modules are pre-programmed, cost-effective and they can also be quickly, easily integrated into POPE Professional® DSP. All SN-4 Dante network modules are rigorously tested and fully programmed prior to shipping.

The SN-4 modules are SoundNet Ready. The AES is supported for connection to non-Dante networks.

SoundNet® Ready

Features

- 4 in 4 out ARM Processor Chip
- 48kHz Sample rates
- Female 2x25 pin dual header socket
- Compatible with POPE Professional® DSP*
- 100Mbps Ethernet interface

Application

- Live Sound
- Touring Concerts
- Club Systems
- Places of Worship
- Nightclubs
- Cinema Theaters
- Permanent Install

Specifications

Model	SN-4
Class	Dante Network module
In / Out	4 In / 4 Out
Connector	Female 2x25 pin dual header socket
Networking Speed	100Mbps
Firmware Update	Via POPE Professional® SoundNet® Network
Power	Via POPE Professional® DSP
Inputs and Outputs	Via POPE Professional® DSP
Compatibility	Only with POPE Professional® DSP
Dimensions (H x W x D)	2.5mm x 40mm x 30mm
Weight	7 Grams

POWERED SYSTEM

TA Series
Powered Sub-woofer and Line Array

Description

The POPE Professional® TA Series, TA-10 is a two-way Passive Line Array Speaker and it's powered by TA-18BF flyable Sub-woofer. One TA-18BF flyable Sub-woofer can power the two TA-10 Line Arrays. The POPE Professional's innovated rigging hardware can fly 8 cabinets array with 9:1 safety standard. The 35 mm pole mount is making the system easy to use for smaller venues and front fill application.

The POPE Professional's TA-18BF flyable sub-woofer have the same outer entire steel and aluminium rigging hardware like TA-10 Line Array and it can be hang together. Also TA-10 Line Array can be stacked on TA-18BF as ground stacking array system.

The POPE Professional TA-18BF flyable sub-woofer utilizes an 18" LF transducer and provides extremely high levels of tight, punchy bass to the lowest octave of human hearing. The TA-10 Line Array utilizes a 10" LF transducer and a 1.4" throat HF compression driver. It's engineered both a companion and applications requiring extremely high output in a relatively small package.
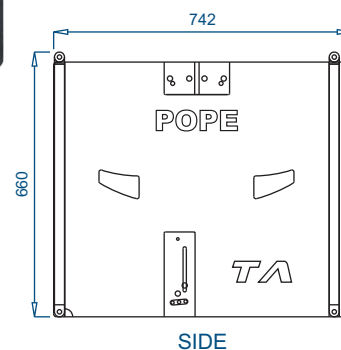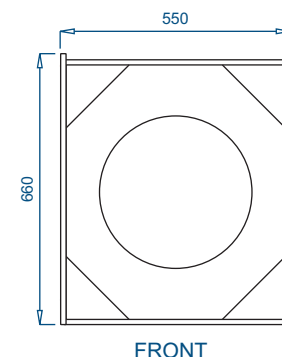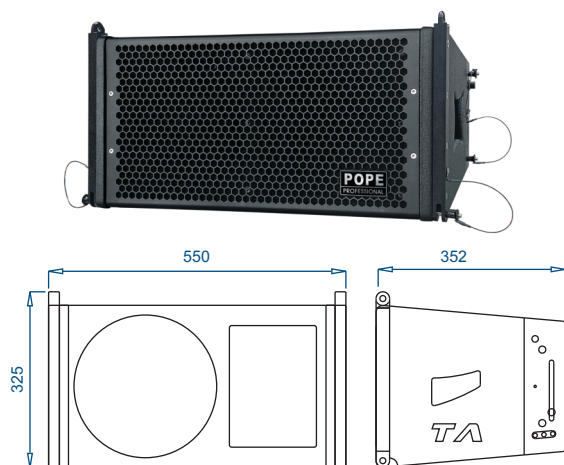
The TA-18BF flyable sub-woofer is having on board FIR/IIR filters, Analog In/Out, AESOP digital signal In/Out and SoundNet® Networking. The customer can add POPE Professional® SN-2 AES67 Network module or SN-4 Dante Network module at any time to enable digital networking. The SN-2 AES67 or SN-4 Dante module is an optional.

Features

- High efficiency and light weight Neodymium Drivers
- HF horn and Phase Aligned LF drivers for exceptional 100° horizontal coverage pattern
- 9:1 safety standard rigging hardware
- 10" LF and 1.4" throat Compression driver
- Powered by 18" Sub-woofer

- Class-D amplification
- Built-in DSP
- FIR/IIR Filters
- Dante / AES67 / AESOP / Analog Input
- 40 bit floating point / 96kHz DSP Processing

Applications

- Small and medium-scale Live Sound Reinforcement events
- Arenas, live theaters, concert venues, corporate AV, Places of worship

Specifications

Line Array Element

Model	:	TA-10 & TA-18BF
Class	:	Two way Line Array Speaker & Flyable Powered Sub-woofer
Frequency Response	:	24Hz - 20kHz
Horizontal Coverage Angle	:	100°
Vertical Coverage Angle	:	10°
Rigging Hardware	:	Heat treated steel front and aluminium rear fittings, from 0° to 10° Angle adjustable slots
SPL**	:	126dB Continuous, 135dB peak

Electronic

Amplifier

Model	:	VT-6
Total Power	:	10000W Peak, 5000W RMS Continuous
Amplifier Output (Sub)	:	5000W Peak, 2500W Continuous
Amplifier Output (CH-3 & CH-4)	:	5000W Peak, 1250W + 1250W @ 4Ω Continuous
Speakon Wiring	:	CH-3: +1 -1 and CH-4: +2 -2
Cooling	:	Aluminium heat Sink with Fan
Power Connector	:	In with Rubber sealing cover
Power	:	AC 85-265V @ 50-60Hz

Processor

In/Out	:	4 In / 4 Out
DSP	:	40 bit / 96kHz DSP
Filters	:	FIR / IIR, Frequency, Gain, RMS, Peak, Dynamic Limiter
Analog Signal	:	Balanced Input / Output
Digital Signal	:	Dante® / AES67 / AESOP (SN-2 AES67 / SN-4 Dante Module - Optional)
Connectors	:	XLR male / female and Ethernet
Control	:	Ethernet - SoundNet® Networking
Preset	:	24

For more specifications about DSP, check the XT-4040 product catalogue.

Transducer

High Frequency

	:	1*1.4" Throat POPE Professional® Compression driver
Voice Coil Diameter	:	75 mm (3")
Magnet Material	:	Neodymium
Diaphragm Material	:	Titanium
Speakon Wiring	:	+2, -2

Low Frequency

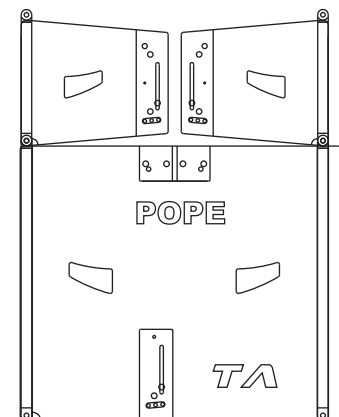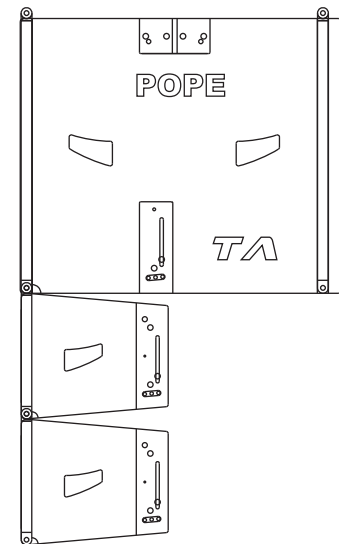|		
	:	1*10" (250 mm) Diameter POPE Professional® Transducer
Voice Coil Diameter	:	78.91 mm (3")
Magnet Material	:	Neodymium
Speakon Wiring	:	+1, -1

Sub-woofer

	:	1*18" (457 mm) Diameter POPE Professional® Transducer
Voice Coil Diameter	:	100 mm (4")
Magnet Material	:	Ferrite

Enclosure

Box Construction	:	15 mm, 9-ply birch Faced plywood 5 degree Trapezoidal Line Array &
		18 mm, 11-ply birch Faced plywood Rectangle Flyable Sub-woofer enclosure
Grille	:	Powder coated, black, 16-gauge perforated steel grille
Surface Finish	:	SoundFlex® environment friendly coating
Suspension System	:	Integral hinge bars, quick release pins & 35mm pole mount
Packing	:	Foam with wooden crate carton box packing

Model	TA-10	TA-18BF
Dimensions (H x W x D)	325 mm × 550 mm × 352 mm	660 mm × 550 mm × 742 mm
Net Weight	22 kg	70 kg
Gross Weight	29 kg	81 kg

Tara Series
Portable Column System

Description

The POPE Professional Tara Series speakers consists of 3" Neodymium Full Range Speakers and 12", 15", 18" Sub-woofers. The Tara Speakers and Sub-woofers powered by Class D amplifier with 40 bit / 96kHz DSP. The plate amplifier is mounted on the sub-woofer. The sub-woofer will be connecting the Tara-38 full range speaker via male / female connector with pole mount. The dedicated pole mount will be packed with Tara-38 speaker.

The Tara Series can combine with any brand analog or digital sound mixer. The Tara Series is the perfect choice for Place of Worship, Ball Rooms, party halls, bands, musicians, AV rentals, DJ and any other sound reinforcement applications which is required in a super compact and portable package.

The Tara-18B Sub-woofer is having on board FIR/IIR filters, Analog In/Out, AESOP digital signal In/Out and SoundNet® Networking. The customer can add POPE Professional® SN-2 AES67 Network module or SN-4 Dante Network module at any time to enable digital networking. The SN-2 AES67 or SN-4 Dante module is an optional.
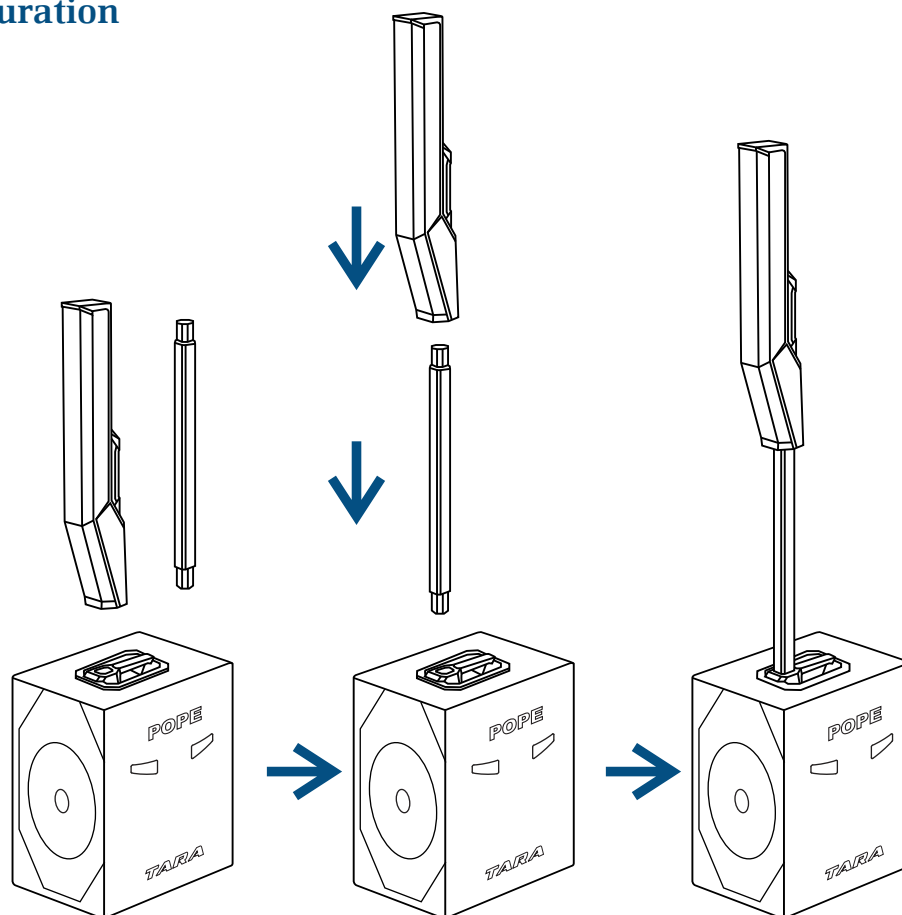
Features

- High Efficiency 3" Neodymium Drivers
- Class D Amplification
- PC control via Ethernet
- Compact and portable package
- Weather Resistant enclosure
- 120° x 16° (H x V) nominal coverage
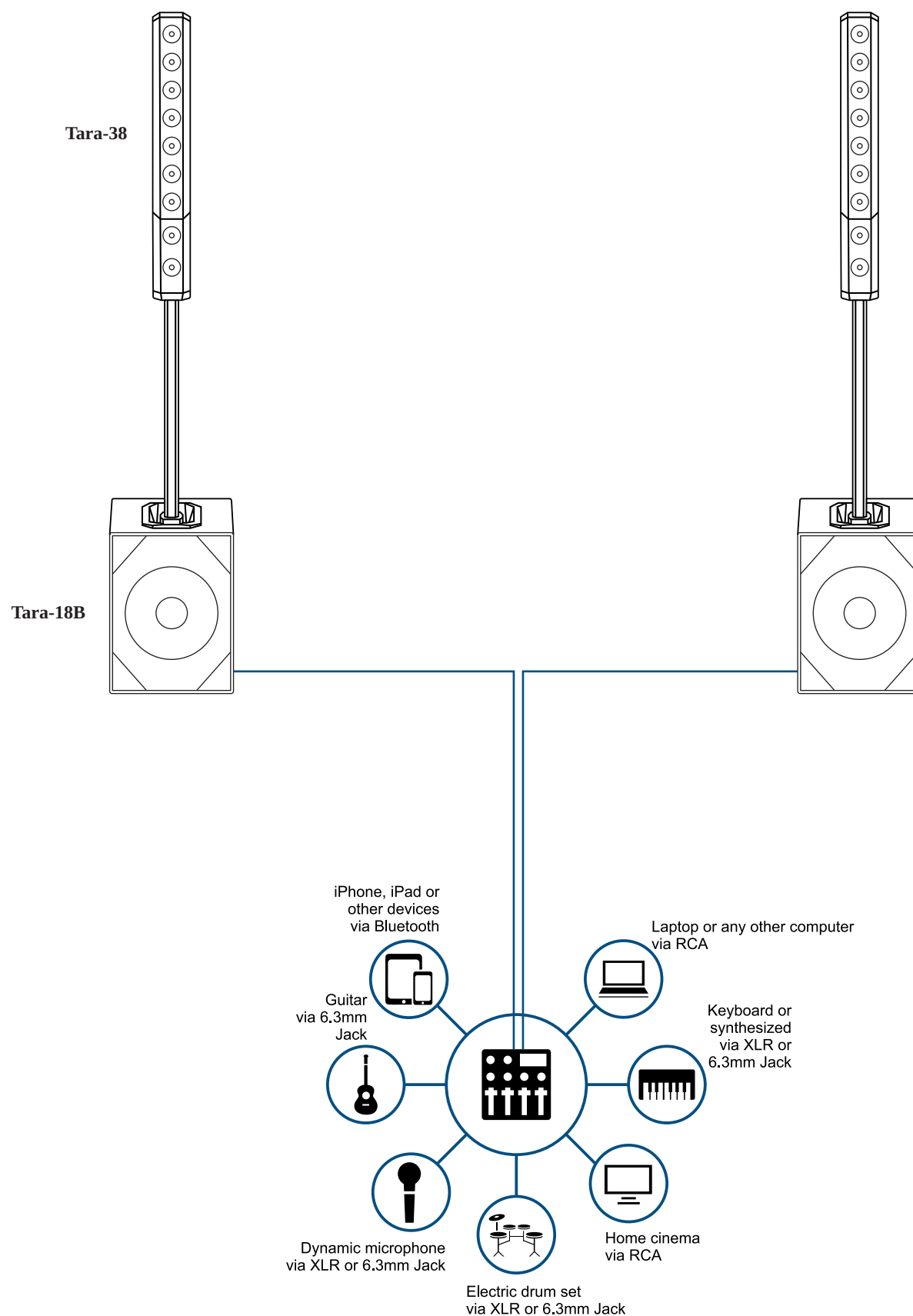- Dedicated pole mount

Applications

- Place of Worship
- Educational Institutions
- Corporate Events
- Seminar Halls
- Ball Rooms
- Bands / Musicians
- AV rentals
- DJ

Quick Configuration

Connect with Any Audio Device

Tara-38

Tara-18B

iPhone, iPad or
other devices
via Bluetooth

Laptop or any other computer
via RCA

Guitar
via 6.3mm
Jack

Keyboard or
synthesized
via XLR or
6.3mm Jack

Dynamic microphone
via XLR or 6.3mm Jack

Home cinema
via RCA

Electric drum set
via XLR or 6.3mm Jack

Specifications

Model	:	**Tara-38**
Class	:	8*3" Full Range Speaker
Power Rating	:	240 W Continuous*
Frequency Response	:	130Hz - 16kHz
Drivers	:	8*3" Full-range drivers
Sensitivity (1W / 1M)	:	94dB SPL
Maximum SPL	:	108 Continuous, 112dB Peak

Transducer

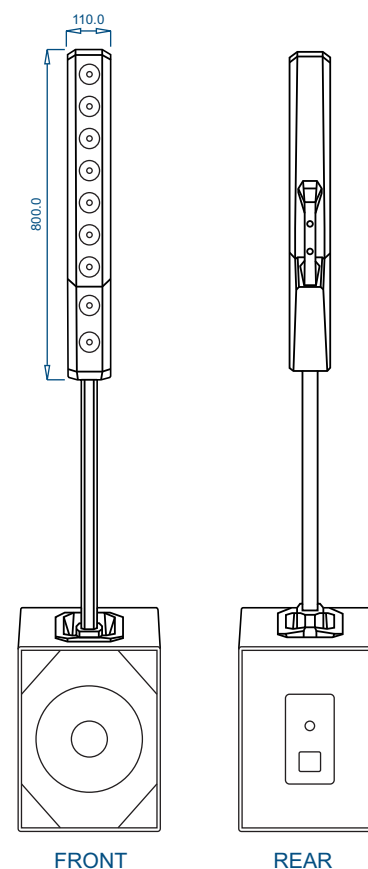|		
Speaker Driver	:	8*3" (76 mm) Diameter POPE Professional® Transducer
Model	:	3ND-16
Power Rating	:	8*30 Watts Continuous
		8*60 Watts Program
		8*120 Watts Peak
Voice Coil Diameter	:	19 mm (0.75")
Voice Coil Material	:	CCAW
Magnet	:	Neodymium
Impedance	:	Series & Parallel : 8Ω
		Discrete : 16Ω x 8
Crossover Frequency	:	Suggested lowest crossover point: Hi pass 130Hz, 24dB/oct

Enclosure

Cabinet Construction	:	Trapezoidal weather proof ABS Cabinet
Grill	:	Powder coated, black, 16-gauge perforated steel grill
Input	:	8Ω
Surface Finish	:	Black
Coverage Pattern (H x V)	:	120° x 16°
Mounting	:	Female Pole Mount slot
Input connector	:	Male Connector for Pole Mount
Dimensions (H x W x D)	:	800 mm × 110 mm × 160 mm
Net Weight	:	2.8 kg

Pole Mount

Material	:	Steel with ABS
Mounting	:	Male Pole Mount ends
Input / Output	:	Female Connectors
Dimensions (H x W x D)	:	800 mm × 39 mm × 49 mm
Net Weight	:	0.65 kg

Packing

Packing	:	PE Foam with carton box packing
Dimensions (H x W x D)	:	845 mm × 130 mm × 310 mm
Gross Weight	:	5 kg (Tara-38 with pole mount)

110.0

800.0

FRONT   REAR

Features

- 18" (457 mm) Diameter POPE Professional® Transducer
- Class-D amplification
- Built-in DSP
- FIR/IIR Filters
- Dante / AES67 / AESOP / Analog Input
- 40 bit floating point / 96kHz DSP Processing

Specifications

Model	:	**Tara-18B**
Class	:	1*18" Powered Sub-woofer
Frequency Response	:	20Hz - 160Hz
SPL**	:	127dB Continuous, 135dB peak

Electronics

Amplifier

Model	:	VT-3
Total Power	:	6600W Peak, 3300W RMS Continuous
Amplifier Output (CH-1 Sub)	:	5000W Peak, 2500W Continuous
Amplifier Output (CH-2)	:	1600W Peak, 800W @ 4Ω Continuous
Cooling	:	Aluminium heat Sink with Fan
Power Connector	:	In/Out Powercon connector with Rubber sealing cover
Power	:	AC 85-265V @ 50-60Hz

Processor

In/Out	:	4 In / 4 Out
DSP	:	40 bit / 96kHz DSP
Filters	:	FIR / IIR, Frequency, Gain, RMS, Peak, Dynamic Limiter
Analog Signal	:	Balanced Input / Output
Digital Signal	:	Dante® / AES67 / AESOP (SN-2 AES67 / SN-4 Dante Module - Optional)
Connectors	:	XLR male / female and Ethernet
Control	:	Ethernet - SoundNet® Networking
Preset	:	24

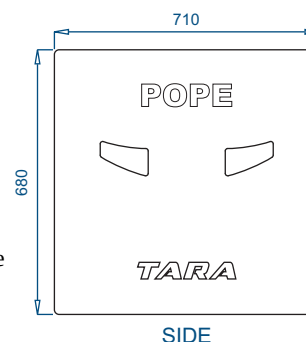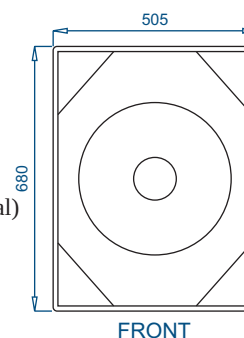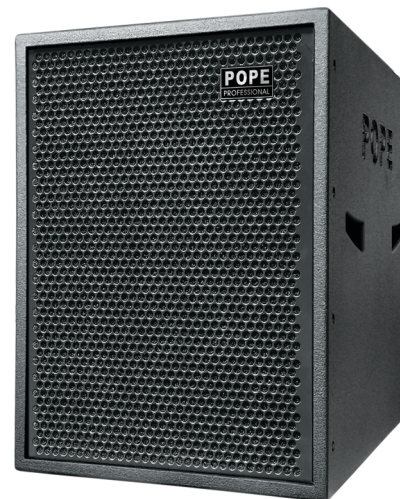For more specifications about DSP, check the XT-4040 product catalogue.

505

680

FRONT

Transducer

Low Frequency	:	1*18" (457 mm) Diameter POPE Professional® Transducer
Voice Coil Diameter	:	100 mm (4")
Magnet Material	:	Ferrite

Enclosure

Box Construction	:	18 mm, 11-ply birch Faced plywood Rectangle Sub-woofer enclosure
Grille	:	Powder coated, black, 16-gauge perforated steel grille
Surface Finish	:	**SoundFlex®** environment friendly coating
Mounting	:	Female Pole Mount slot
Output connector	:	Male Connector for Pole Mount
Dimensions (H x W x D)	:	680 mm × 505 mm × 710 mm
Net Weight	:	52 kg

710

680

POPE

TARA

SIDE

Packing

Packing	:	Foam with wooden crate carton box packing
Dimensions (H x W x D)	:	760 mm × 585 mm × 790 mm
Gross Weight	:	60 kg

TT Series

Powered Line Array

Description

The POPE Professional® TT series, TT-28 is a compact two-way Powered Line Array consist of dual 8" POPE Professional® transducer with 66.6 mm voice coil, Neodymium magnet and dual 1" throat Neodymium compression driver, Titanium diaphragm, coupled with a constant directivity horn. Each TT-28 speaker will be powered by POPE Professional® VT-3 built in amplifier module.

The TT Series Line Array is having on board FIR/IIR filters, Analog In/Out, AESOP digital signal In/Out and SoundNet® Networking. The customer can add POPE Professional® SN-2 AES67 Network module or SN-4 Dante Network module at any time to enable digital networking. The SN-2 AES67 or SN-4 Dante module is an optional.
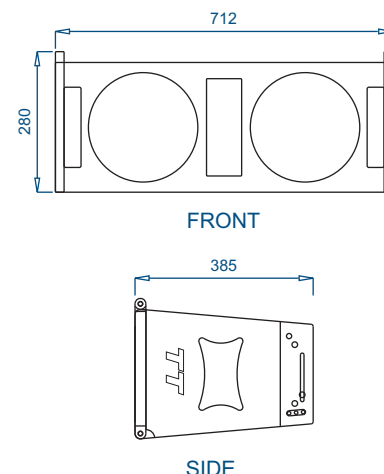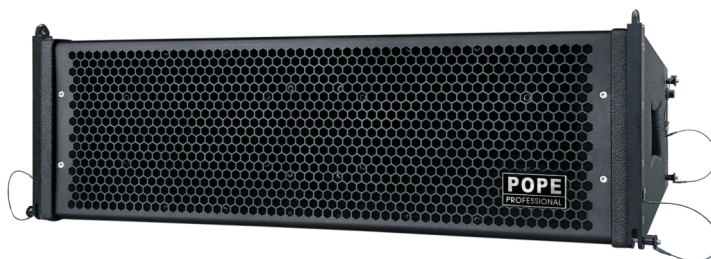
The POPE Professional® TT-28 Line Array designed to bring performance benefits to a variety of small and medium scale applications. The frequency range is 80 Hz - 20 KHz with very smooth frequency and phase response. The enclosure features grille with charcoal foam backing for protect the drivers. The speaker cones are treated with weather-resistant compounds.

Features

- FIR / IIR Filters
- Dante / AES67 / AESOP / Analog Input
- 40 bit floating point / 96kHz DSP Processing
- Neodymium Drivers
- 90° x 10° (H x V) Coverage
- 1:9 safety standard rigging hardware
- 2*8" LF and 2*1" throat Compression driver
- Powered by VT-3 built in amplifier module
- Class-D amplification
- Supplied with SoundNet® Networking software
- Ethernet Connectivity
- 24 bit AD/DA converters
- Built-in DSP

Applications

Live sound, open-air venues, arenas, concerts, Fixed installations, multi-purpose auditoria, sports venues and etc..

SoundNet® Ready

FRONT

712

280

385

SIDE

Specifications

Line Array Element

Model	:	**TT-28**
Class	:	Two way Powered Line Array Speaker
Frequency Response	:	80Hz - 20kHz
Horizontal Coverage Angle	:	90°
Vertical Coverage Angle	:	10°
Flying Kit	:	Heat treated aluminium, front and rear fittings, from 0° to 10° Angle adjustable slots
SPL**	:	124dB Continuous, 132dB peak

Electronic

Amplifier

Model	:	VT-3
Total Power	:	6600W Peak, 3300W RMS Continuous
High Frequency	:	1600W Peak, 800W RMS Continuous
Low Frequency	:	5000W Peak, 2500W RMS Continuous
Cooling	:	Aluminium heat Sink with Fan
Power Connector	:	In / Out with Rubber sealing cover
Power	:	AC 85-265V @ 50-60Hz

Processor

In/Out	:	4 In / 4 Out
DSP	:	40 bit / 96kHz DSP
Filters	:	FIR / IIR, Frequency, Gain, RMS, Peak, Dynamic Limiter
Analog Signal	:	Balanced Input / Output
Digital Signal	:	Dante® / AES67 / AESOP (SN-2 AES67 / SN-4 Dante Module - Optional)
Connectors	:	XLR male / female and Ethernet
Control	:	Ethernet - SoundNet® Networking
Preset	:	24

For more specifications about DSP, check the XT-4040 product catalogue.

Transducer

High Frequency

High Frequency	:	2*1" Throat POPE Professional® Compression driver
Voice Coil Diameter	:	45 mm (1.7")
Magnet Material	:	Neodymium
Throat Diameter	:	25.4 mm (1")
Diaphragm Material	:	Titanium

Low Frequency

Low Frequency	:	2*8" (200 mm) Diameter POPE Professional® Transducer
Voice Coil Diameter	:	66.6 mm (2.5")
Magnet Material	:	Neodymium

Enclosure

Box Construction	:	15 mm, 9-ply birch Faced plywood 5 degree Trapezoidal enclosure
Finish	:	**SoundFlex®** environmental friendly coating
Suspension System	:	Integral hinge bars and quick release pins
Grille	:	Powder coated, black, 16-gauge perforated steel grille with charcoal foam backing
Packing	:	Foam with wooden crate carton packing
Dimensions (H x W x D)	:	280 mm × 712 mm × 385 mm
Net Weight	:	31 kg
Gross Weight	:	36 kg

Description

The POPE Professional® TT series, TT-10 is a two-way Powered Line Array utilizes POPE Professional® 10" transducer and the 1.4" throat compression driver with new technology Directivity Correction Horn (DCH) ensures the constant directivity in the high frequency range. The Waveguide Physical Driver (WPD) increases the output, sensitivity and also improves the directivity of the low frequency range. The high and low frequency neodymium magnet drivers are integrates higher efficiency and power handling with reduced weight and dimension.

The newly designed bass reflex enclosure has internal symmetrical heat-dispersion tubes to prevent the system from overheating. The POPE Professional's innovated rigging hardware can fly 16 cabinets array with 1:9 safety standards. Each TT-10 speaker will be powered by POPE Professional® VT-1 built in amplifier module.
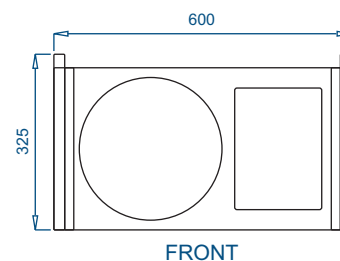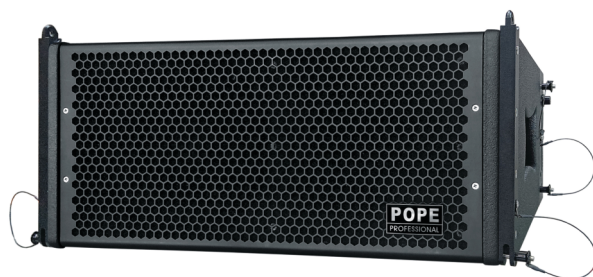
The TT Series Line Array is having on board FIR/IIR filters, Analog In/Out, AESOP digital signal In/Out and SoundNet® Networking. The customer can add POPE Professional® SN-2 AES67 Network module or SN-4 Dante Network module at any time to enable digital networking. The SN-2 AES67 or SN-4 Dante module is an optional.
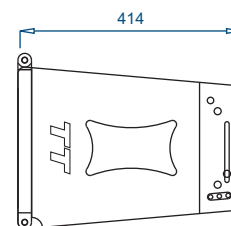
Features

- FIR/IIR Filters
- Dante / AES67 / AESOP / Analog Input
- 40 bit floating point / 96kHz DSP Processing
- Neodymium Drivers
- 90° x 10° (H x V) Coverage
- 1:9 safety standard rigging hardware
- 10" LF and 1.4" throat Compression driver
- Powered by built in amplifier module
- Class-D amplification
- Supplied with SoundNet® Networking software
- Ethernet Connectivity
- 24 bit AD/DA converters
- Built-in DSP

Applications

- Touring sound
- Small and medium-scale Live Sound
- Arenas, live theaters, concert venues, corporate AV, Places of worship
- Delay systems for large scale outdoor sound reinforcement

SoundNet® Ready

Specifications

Line Array Element

Model	:	**TT-10**
Class	:	Two way Powered Line Array Speaker
Frequency Response	:	80Hz - 20kHz
Horizontal Coverage Angle	:	90°
Vertical Coverage Angle	:	10°
Flying Kit	:	Heat treated aluminium, front and rear fittings, from 0° to 10° Angle adjustable slots
SPL**	:	125dB Continuous, 133dB peak

Electronic

Amplifier

Model	:	VT-3
Total Power	:	6600W Peak, 3300W RMS Continuous
High Frequency	:	1600W Peak, 800W RMS Continuous
Low Frequency	:	5000W Peak, 2500W RMS Continuous
Cooling	:	Aluminium heat Sink with Fan
Power Connector	:	In / Out with Rubber sealing cover
Power	:	AC 85-265V @ 50-60Hz

Processor

In/Out	:	4 In / 4 Out
DSP	:	40 bit / 96kHz DSP
Filters	:	FIR / IIR, Frequency, Gain, RMS, Peak, Dynamic Limiter
Analog Signal	:	Balanced Input / Output
Digital Signal	:	Dante® / AES67 / AESOP (SN-2 AES67 / SN-4 Dante Module - Optional)
Connectors	:	XLR male / female and Ethernet
Control	:	Ethernet - SoundNet® Networking
Preset	:	24

For more specifications about DSP, check the XT-4040 product catalogue.

Transducer

High Frequency

High Frequency	:	1*1.4" Throat POPE Professional® Compression driver
Voice Coil Diameter	:	75 mm (3")
Magnet Material	:	Neodymium
Throat Diameter	:	35.56 mm (1.4")
Diaphragm Material	:	Titanium

Low Frequency

Low Frequency	:	1*10" (250 mm) Diameter POPE Professional® Transducer
Voice Coil Diameter	:	79.04 mm (3")
Magnet Material	:	Neodymium

Enclosure

Box Construction	:	15 mm, 9-ply birch Faced plywood 5 degree Trapezoidal enclosure
Finish	:	**SoundFlex®** environmental friendly coating
Suspension System	:	Integral hinge bars, quick release pins & 35mm dual pole mount
Grille	:	Powder coated, black, 16-gauge perforated steel grille with charcoal foam backing
Packing	:	Foam with wooden crate carton packing
Dimensions (H x W x D)	:	325 mm × 600 mm × 414 mm
Net Weight	:	27 kg
Gross Weight	:	34 kg

Description

The POPE Professional® TT series, TT-210 is a two-way powered Line Array utilizes POPE Professional® 10" transducer and the 1.4" throat compression driver with new technology Directivity Correction Horn (DCH) ensures the constant directivity in the high frequency range. The Waveguide Physical Driver (WPD) increases the output, sensitivity and also improves the directivity of the low frequency range.

The high and of low frequency neodymium magnet drivers are integrates higher efficiency and power handling with reduced weight and dimension. The newly designed bass reflex enclosure has internal symmetrical heat-dispersion tubes to prevent the system from overheating. The POPE Professional's innovated rigging hardware can fly 16 cabinets array with 1:9 safety standards.
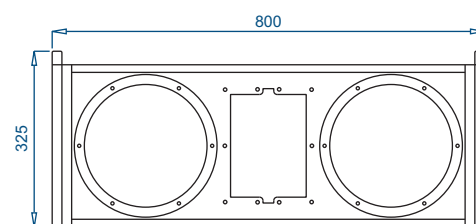
The TT Series Line Array is having on board FIR/IIR filters, Analog In/Out, AESOP digital signal In/Out and SoundNet® Networking. The customer can add POPE Professional® SN-2 AES67 Network module or SN-4 Dante Network module at any time to enable digital networking. The SN-2 AES67 or SN-4 Dante module is an optional.
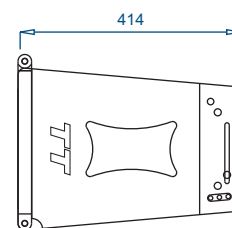
Features

- FIR/IIR Filters
- Dante / AES67 / AESOP / Analog Input
- 40 bit floating point / 96kHz DSP Processing
- Neodymium Drivers
- 90° x 10° (H x V) Coverage
- 1:9 safety standard rigging hardware
- 2*10" LF and 1.4" throat Compression driver
- Class-D amplification
- Supplied with SoundNet® Networking software
- Ethernet Connectivity
- 24 bit AD/DA converters
- Built-in DSP

Applications

- Touring sound
- Small and medium-scale Live Sound
- Arenas, live theaters, concert venues, corporate AV, Places of worship
- Delay systems for large scale outdoor sound reinforcement

SoundNet® Ready

Specifications

Line Array Element

Model	:	**TT-210**
Class	:	Two way Powered Line Array Speaker
Frequency Response	:	80Hz - 20kHz
Horizontal Coverage Angle	:	90°
Vertical Coverage Angle	:	10°
Flying Kit	:	Heat treated aluminium, front and rear fittings, from 0° to 10° Angle adjustable slots
SPL**	:	127dB Continuous, 135dB peak

Electronic

Amplifier

Model	:	VT-3
Total Power	:	6600W Peak, 3300W RMS Continuous
High Frequency	:	1600W Peak, 800W RMS Continuous
Low Frequency	:	5000W Peak, 2500W RMS Continuous
Cooling	:	Aluminium heat Sink with Fan
Power Connector	:	In / Out with Rubber sealing cover
Power	:	AC 85-265V @ 50-60Hz

Processor

In/Out	:	4 In / 4 Out
DSP	:	40 bit / 96kHz DSP
Filters	:	FIR / IIR, Frequency, Gain, RMS, Peak, Dynamic Limiter
Analog Signal	:	Balanced Input / Output
Digital Signal	:	Dante® / AES67 / AESOP (SN-2 AES67 / SN-4 Dante Module - Optional)
Connectors	:	XLR male / female and Ethernet
Control	:	Ethernet - SoundNet® Networking
Preset	:	24

For more specifications about DSP, check the XT-4040 product catalogue.

Transducer

High Frequency

High Frequency	:	1*1.4" Throat POPE Professional® Compression driver
Voice Coil Diameter	:	75 mm (3")
Magnet Material	:	Neodymium
Throat Diameter	:	35.56 mm (1.4")
Diaphragm Material	:	Titanium

Low Frequency

Low Frequency	:	2*10" (250 mm) Diameter POPE Professional® Transducer
Voice Coil Diameter	:	79.04 mm (3")
Magnet Material	:	Neodymium

Enclosure

Box Construction	:	15 mm, 9-ply birch Faced plywood 5 degree Trapezoidal enclosure
Finish	:	**SoundFlex®** environmental friendly coating
Suspension System	:	Integral hinge bars and quick release pins
Grille	:	Powder coated, black, 16-gauge perforated steel grille with charcoal foam backing
Packing	:	Foam with wooden crate carton packing
Dimensions (H x W x D)	:	325 mm × 800 mm × 414 mm
Net Weight	:	32 kg
Gross Weight	:	38.5 kg

Description

The POPE Professional® TT series, TT-112 is a two-way powered Line Array system. The Line Array speaker consists of POPE Professional® single 12" Neodymium woofer and a 36 mm exit throat Neodymium compression driver. These are circuited independently, mounted in separate bass reflex enclosure. The Line Source Former Horn produces wave front similar to ribbon driver. Advanced transducers are providing high power-to-weight ratio.

The POPE Professional® TT-112 Line Array Speaker utilizes Line Source Former Technology Horn, High power maximum SPL 118dB continuous,126dB peak, Wide bandwidth 80Hz - 20kHz, ±3dB, True 90°(-6dB) horizontal Mid and HF pattern control, Fast integral rigging system with variable splay angles from 0° to 10°, 1°step.
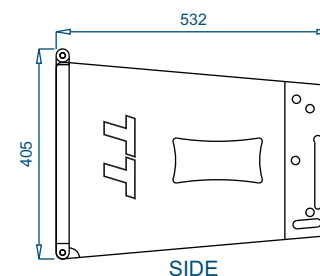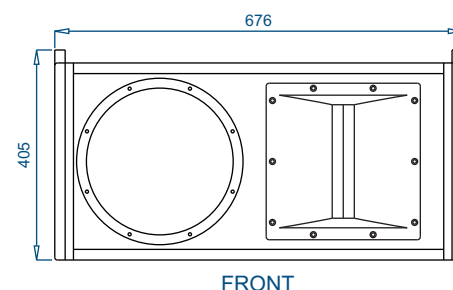
The enclosure constructed with 15 mm birch faced plywood, screwed and glued together for maximum strength and rigidity. The TT-112 systems are designed to be powered by POPE Professional® Class-D amplification. The TT Series Line Array is having on board FIR/IIR filters, Analog In/Out, AESOP digital signal In/Out and SoundNet® Networking. The customer can add POPE Professional® SN-2 AES67 Network module or SN-4 Dante Network module at any time to enable digital networking. The SN-2 AES67 or SN-4 Dante module is an optional.

Features

- FIR/IIR Filters
- Dante / AES67 / AESOP / Analog Input
- 40 bit floating point / 96kHz DSP Processing
- Neodymium Drivers
- 90° x 10° (H x V) Coverage
- 1:9 safety standard rigging hardware
- 1*12" LF and 1.4" throat Compression driver configuration
- Class-D amplification
- Supplied with SoundNet® Networking software
- Ethernet Connectivity
- 24 bit AD/DA converters
- Built-in DSP

Applications

- Touring sound
- Small and medium-scale Live Sound
- Arenas, live theaters, concert venues, corporate AV, Places of worship
- Delay systems for large scale outdoor sound reinforcement
- Live sound open-air venues, arenas, concerts, fixed installations, multi-purpose auditoria, sports venues and etc..

SoundNet® Ready

Specifications

Line Array Element

Model	:	TT-112
Class	:	Two way Powered Line Array Speaker
Frequency Response	:	80Hz - 20kHz
Horizontal Coverage Angle	:	90°
Vertical Coverage Angle	:	10°
Flying Kit	:	Heat treated aluminium, front and rear fittings, from 0° to 10° Angle adjustable slots
SPL**	:	118dB Continuous, 126dB peak

FRONT

SIDE

Electronic

Amplifier

Model	:	VT-3
Total Power	:	6600W Peak, 3300W RMS Continuous
High Frequency	:	1600W Peak, 800W RMS Continuous
Low Frequency	:	5000W Peak, 2500W RMS Continuous
Cooling	:	Aluminium heat Sink with Fan
Power Connector	:	In / Out with Rubber sealing cover
Power	:	AC 85-265V @ 50-60Hz

Processor

In/Out	:	4 In / 4 Out
DSP	:	40 bit / 96kHz DSP
Filters	:	FIR / IIR, Frequency, Gain, RMS, Peak, Dynamic Limiter
Analog Signal	:	Balanced Input / Output
Digital Signal	:	Dante® / AES67 / AESOP (SN-2 AES67 / SN-4 Dante Module - Optional)
Connectors	:	XLR male / female and Ethernet
Control	:	Ethernet - SoundNet® Networking
Preset	:	24

For more specifications about DSP, check the XT-4040 product catalogue.

Transducer

High Frequency

High Frequency	:	1*1.4" Throat POPE Professional® Compression driver
Voice Coil Diameter	:	75 mm (3")
Magnet Material	:	Neodymium
Throat Diameter	:	35.56 mm (1.4")
Diaphragm Material	:	Titanium

Low Frequency

Low Frequency	:	1*12" (305 mm) Diameter POPE Professional® Transducer
Voice Coil Diameter	:	102.01 mm (4")
Magnet Material	:	Neodymium

Enclosure

Box Construction	:	15 mm, 9-ply birch Faced plywood 5 degree Trapezoidal enclosure
Finish	:	**SoundFlex®** environmental friendly coating
Suspension System	:	Integral hinge bars and quick release pins
Grille	:	Powder coated, black, 16-gauge perforated steel grille with charcoal foam backing
Packing	:	Foam with wooden crate carton packing
Dimensions (H x W x D)	:	405 mm × 676 mm × 532 mm
Net Weight	:	42 kg
Gross Weight	:	51 kg

Description

The POPE Professional® TT series, TT-12 is a three-way powered Line Array system. The Line Array speaker consist of POPE Professional® single 12" Neodymium woofer that is circuited independently, mounted in separate bass reflex enclosure and four high efficiency power handling 6.5" Neodymium high mid range transducers are mounted in a V-shaped configuration combined with two 36 mm exit throat Neodymium compression drivers coupled to individual Waveguides those are vertically aligned. The Line Source Former Horn produces wave front similar to ribbon driver. Advanced transducers are providing high power-to-weight ratio.

The POPE Professional® TT-12 Line Array Speaker utilizes Line Source Former Technology Horn, High power maximum SPL 129dB continuous,135dB peak, Wide bandwidth 80Hz - 20kHz, ±3dB, True 90°(-6dB) horizontal mid and HF pattern control, Fast integral rigging system with variable splay angles from 0°to 10°, 1°step. The enclosure constructed with 15 mm birch faced plywood, screwed and glued together for maximum strength and rigidity.

The TT-12 systems are designed to be powered by POPE Professional® Class-D amplification. The TT Series Line Array is having on board FIR/IIR filters, Analog In/Out, AESOP digital signal In/Out and SoundNet® Networking. The customer can add POPE Professional® SN-2 AES67 Network module or SN-4 Dante Network module at any time to enable digital networking. The SN-2 AES67 or SN-4 Dante module is an optional.
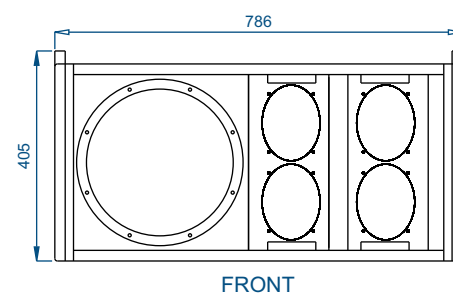
Features

- FIR/IIR Filters
- Dante / AES67 / AESOP / Analog Input
- 40 bit floating point / 96kHz DSP Processing
- Neodymium Drivers
- 90° x 10° (H x V) Coverage
- 1:9 safety standard rigging hardware
- 1*12" LF, 4*6.5" & 2*1.4" throat Compression driver
- Class-D amplification
- Supplied with SoundNet® Networking software
- Ethernet Connectivity
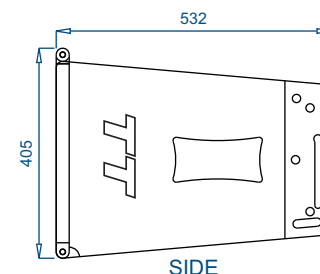- 24 bit AD/DA converters
- Built-in DSP

Applications

- Touring sound
- Small and medium-scale Live Sound
- Arenas, live theaters, concert venues, corporate AV, Places of worship
- Delay systems for large scale outdoor sound reinforcement
- Live sound open-air venues, arenas, concerts, fixed installations, multi-purpose auditoria, sports venues and etc..

SoundNet® Ready

FRONT

SIDE

Specifications

Line Array Element

Model	:	TT-12
Class	:	Three way Powered Line Array Speaker
Frequency Response	:	80Hz - 20kHz
Horizontal Coverage Angle	:	90°
Vertical Coverage Angle	:	10°
Flying Kit	:	Heat treated aluminium, front and rear fittings, from 0° to 10° Angle adjustable slots
SPL**	:	129dB Continuous, 135dB peak

Electronic

Amplifier

Model	:	VT-5
Total Power	:	7500W Peak, 3750W RMS Continuous
High Frequency	:	2500W Peak, 1250W RMS Continuous
Mid Frequency	:	2500W Peak, 1250W RMS Continuous
Low Frequency	:	2500W Peak, 1250W RMS Continuous
Cooling	:	Aluminium heat Sink with Fan
Power Connector	:	In / Out with Rubber sealing cover
Power	:	AC 85-265V @ 50-60Hz

Processor

In/Out	:	4 In / 4 Out
DSP	:	40 bit / 96kHz DSP
Filters	:	FIR / IIR, Frequency, Gain, RMS, Peak, Dynamic Limiter
Analog Signal	:	Balanced Input / Output
Digital Signal	:	Dante® / AES67 / AESOP (SN-2 AES67 / SN-4 Dante Module - Optional)
Connectors	:	XLR male / female and Ethernet
Control	:	Ethernet - SoundNet® Networking
Preset	:	24

For more specifications about DSP, check the XT-4040 product catalogue.

Transducer

High Frequency

	:	2*1.4" Throat POPE Professional® Compression driver
Voice Coil Diameter	:	75 mm (3")
Magnet Material	:	Neodymium
Diaphragm Material	:	Titanium

Mid Frequency

	:	4*6.5" (165 mm) Diameter POPE Professional® Transducer
Voice Coil Diameter	:	53.24 mm (2")
Magnet Material	:	Neodymium

Low Frequency

	:	1*12" (305 mm) Diameter POPE Professional® Transducer
Voice Coil Diameter	:	102.01 mm (4")
Magnet Material	:	Neodymium

Enclosure

Box Construction	:	15 mm, 9-ply birch Faced plywood 5 degree Trapezoidal enclosure
Finish	:	**SoundFlex®** environmental friendly coating
Suspension System	:	Integral hinge bars and quick release pins
Grille	:	Powder coated, black, 16-gauge perforated steel grille with charcoal foam backing
Packing	:	Foam with wooden crate carton packing
Dimensions (H x W x D)	:	405 mm × 786 mm × 532 mm
Net Weight	:	54 kg
Gross Weight	:	63 kg

Description

The POPE Professional® TT-212 is a three-way powered Line Array speaker system designed for large venues and live concert. The Line Array speaker consist of POPE Professional® dual 12" Neodymium woofer that is circuited parallel, mounted in separate bass reflex enclosure and four high efficiency power handling 6.5" Neodymium high mid range transducers are mounted in a V-shaped configuration combined with two 36 mm exit throat Neodymium compression drivers coupled to individual Waveguides those are vertically aligned. The Line Source Former Horn produces wave front similar to ribbon driver. Advanced transducers are providing high power-to-weight ratio.

The POPE Professional® TT-212 Line Array Speaker utilizes Line Source Former Technology Horn, High power maximum SPL 130dB continuous, 138dB peak, Wide bandwidth 80Hz - 20kHz, ±3dB, True 90°(-6dB) horizontal mid and HF pattern control, Fast integral rigging system with variable splay angles from 0°to 10°, 1°step.
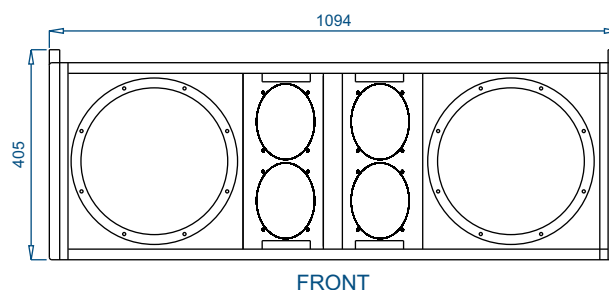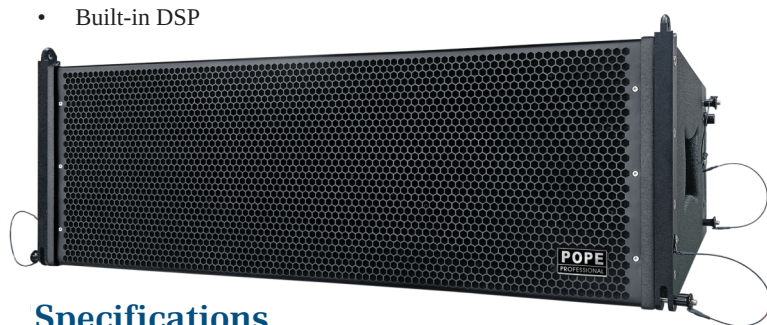
The enclosure constructed with 15 mm birch faced plywood, screwed and glued together for maximum strength and rigidity. The TT-212 systems are designed to be powered by POPE Professional® Class-D amplification. The TT Series Line Array is having on board FIR/IIR filters, Analog In/Out, AESOP digital signal In/Out and SoundNet® Networking. The customer can add POPE Professional® SN-2 AES67 Network module or SN-4 Dante Network module at any time to enable digital networking. The SN-2 AES67 or SN-4 Dante module is an optional.
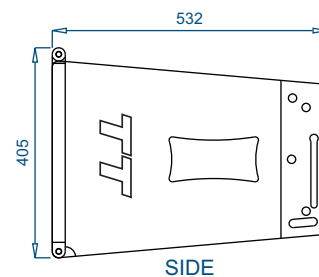
Features

- FIR/IIR Filters
- Dante / AES67 / AESOP / Analog Input
- 40 bit floating point / 96kHz DSP Processing
- Neodymium Drivers
- 90° x 10° (H x V) Coverage
- 1:9 safety standard rigging hardware
- 2*12" LF, 4*6.5" & 2*1.4" throat Compression driver
- Class-D amplification
- Supplied with SoundNet® Networking software
- Ethernet Connectivity
- 24 bit AD/DA converters
- Built-in DSP

Applications

- Touring sound
- Small and medium-scale Live Sound
- Arenas, live theaters, concert venues, corporate AV, Places of worship
- Delay systems for large scale outdoor sound reinforcement
- Live sound open-air venues, arenas, concerts, fixed installations, multi-purpose auditoria, sports venues and etc..

SoundNet® Ready

FRONT

SIDE

Specifications

Line Array Element

Model	:	**TT-212**
Class	:	Three way Powered Line Array Speaker
Frequency Response	:	80Hz - 20kHz
Horizontal Coverage Angle	:	90°
Vertical Coverage Angle	:	10°
Flying Kit	:	Heat treated aluminium, front and rear fittings, from 0° to 10° Angle adjustable slots
SPL**	:	130dB Continuous, 138dB peak

Electronic

Amplifier

Model	:	VT-6
Total Power	:	10000W Peak, 5000W RMS Continuous
High Frequency	:	2500W Peak, 1250W RMS Continuous
Mid Frequency	:	2500W Peak, 1250W RMS Continuous
Low Frequency 1	:	2500W Peak, 1250W RMS Continuous
Low Frequency 2	:	2500W Peak, 1250W RMS Continuous
Cooling	:	Aluminium heat Sink with Fan
Power Connector	:	In / Out with Rubber sealing cover
Power	:	AC 85-265V @ 50-60Hz

Processor

In/Out	:	4 In / 4 Out
DSP	:	40 bit / 96kHz DSP
Filters	:	FIR / IIR, Frequency, Gain, RMS, Peak, Dynamic Limiter
Analog Signal	:	Balanced Input / Output
Digital Signal	:	Dante® / AES67 / AESOP (SN-2 AES67 / SN-4 Dante Module - Optional)
Connectors	:	XLR male / female and Ethernet
Control	:	Ethernet - SoundNet® Networking
Preset	:	24

For more specifications about DSP, check the XT-4040 product catalogue.

Transducer

High Frequency	:	2*1.4" Throat POPE Professional® Compression driver
Voice Coil Diameter	:	75 mm (3")
Magnet Material	:	Neodymium
Diaphragm Material	:	Titanium

Mid Frequency	:	4*6.5" (165 mm) Diameter POPE Professional® Transducer
Voice Coil Diameter	:	53.24 mm (2")
Magnet Material	:	Neodymium

Low Frequency	:	2*12" (305 mm) Diameter POPE Professional® Transducer
Voice Coil Diameter	:	102.01 mm (4")
Magnet Material	:	Neodymium

Enclosure

Box Construction	:	15 mm, 9-ply birch Faced plywood 5 degree Trapezoidal enclosure
Finish	:	**SoundFlex®** environmental friendly coating
Suspension System	:	Integral hinge bars and quick release pins
Grille	:	Powder coated, black, 16-gauge perforated steel grille with charcoal foam backing
Packing	:	Foam with wooden crate carton packing
Dimensions (H x W x D)	:	405 mm × 1094 mm × 532 mm
Net Weight	:	73.5 kg
Gross Weight	:	85 kg

Powered
Sub-woofer

Description

The POPE Professional® TT Series horn loaded powered sub-woofer with its high sensitivity POPE Professional® transducer, is designed ground up to provide sub frequency extension to modern sound reinforcement applications. The TT Series Sub-woofers are having on board FIR/IIR filters, Analog In/Out, AESOP digital signal In/Out and SoundNet® Networking. The customer can add POPE Professional® SN-2 AES67 Network module or SN-4 Dante Network module at any time to enable digital networking. The SN-2 AES67 or SN-4 Dante module is an optional.

Features

- FIR/IIR Filters
- Dante / AES67 / AESOP / Analog Input
- 40 bit floating point / 96kHz DSP Processing
- 18" (460 mm) Diameter
  POPE Professional® Transducer
- Class-D amplification
- SoundNet® Networking software
- Ethernet Connectivity
- 24 bit AD/DA converters
- Built-in DSP

Specifications

Model	:	**TT-18BV1**
Class	:	1*18" Powered Horn-Loaded Sub-woofer
Frequency Response	:	20Hz - 160Hz
SPL**	:	127dB Continuous, 135dB peak

Electronic

Amplifier

Model	:	VT-2
Total Power	:	5000W Peak, 2500W RMS Continuous
Cooling	:	Aluminium heat Sink with Fan
Power Connector	:	In / Out with Rubber sealing cover
Power	:	AC 85-265V @ 50-60Hz

Processor

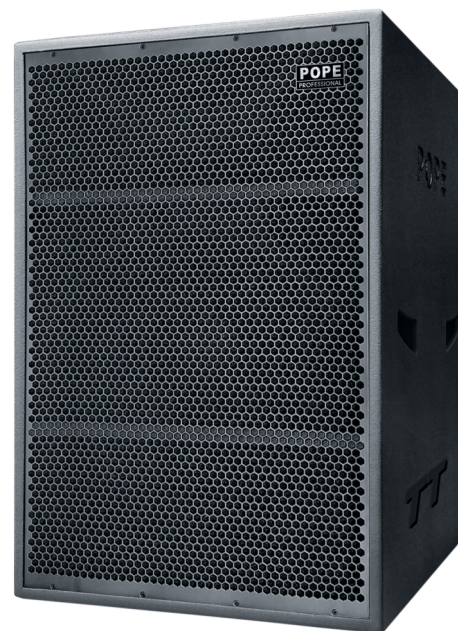| In/Out	:	4 In / 4 Out
DSP	:	40 bit / 96kHz DSP
Filters	:	FIR / IIR, Frequency, Gain, RMS, Peak, Dynamic Limiter
Analog Signal	:	Balanced Input / Output
Digital Signal	:	Dante® / AES67 / AESOP (SN-2 AES67 / SN-4 Dante Module - Optional)
Connectors	:	XLR male / female and Ethernet
Control	:	Ethernet - SoundNet® Networking
Preset	:	24

For more specifications about DSP, check the XT-4040 product catalogue.

Transducer

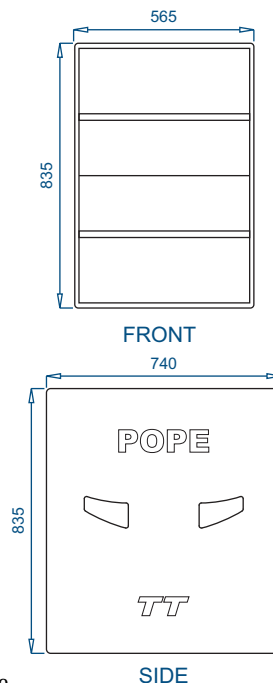| Low Frequency	:	1*18" (460 mm) Diameter POPE Professional® Transducer
Voice Coil Diameter	:	101.93 mm (4")
Magnet Material	:	Ferrite

Enclosure

Box Construction	:	18 mm, 11-ply birch Faced plywood Rectangle Horn-Loaded Sub-woofer enclosure
Grille	:	Powder coated, black, 16-gauge perforated steel grille
Mounting	:	35 mm Pole Mount
Surface Finish	:	**SoundFlex**® environment friendly coating
Packing	:	Foam with wooden crate carton packing
Dimensions (H x W x D) :		835 mm × 565 mm × 740 mm
Net Weight	:	70 kg
Gross Weight	:	82 kg

Applications

- Live Sound
- Touring Concerts
- Club Systems
- Large Nightclubs
- Arenas

SoundNet® Ready

565

835

FRONT

740

POPE

TT

835

SIDE

Specifications

Model	:	**TT-18BV2**
Class	:	1*18" Powered Horn-Loaded Sub-woofer
Frequency Response	:	20Hz - 160Hz
SPL**	:	127dB Continuous, 135dB peak

Electronic

Amplifier

Model	:	VT-2
Total Power	:	5000W Peak, 2500W RMS Continuous
Cooling	:	Aluminium heat Sink with Fan
Power Connector	:	In / Out with Rubber sealing cover
Power	:	AC 85-265V @ 50-60Hz

Processor

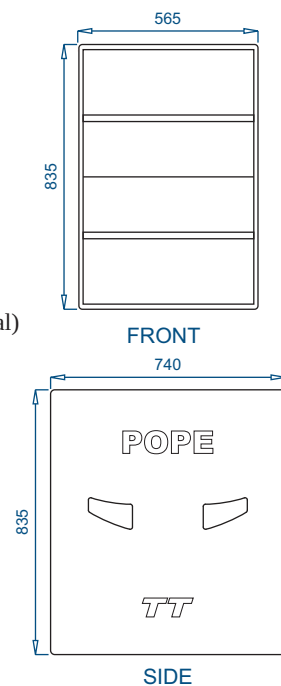|		
In/Out	:	4 In / 4 Out
DSP	:	40 bit / 96kHz DSP
Filters	:	FIR / IIR, Frequency, Gain, RMS, Peak, Dynamic Limiter
Analog Signal	:	Balanced Input / Output
Digital Signal	:	Dante® / AES67 / AESOP (SN-2 AES67 / SN-4 Dante Module - Optional)
Connectors	:	XLR male / female and Ethernet
Control	:	Ethernet - SoundNet® Networking
Preset	:	24

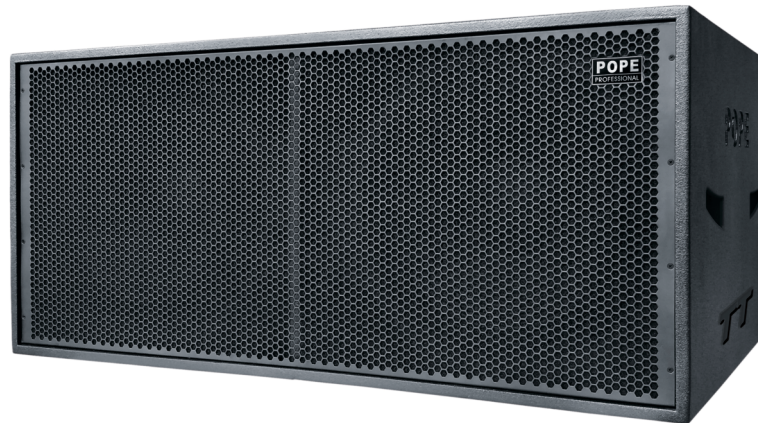For more specifications about DSP, check the XT-4040 product catalogue.

Transducer

Low Frequency	:	1*18" (460 mm) Diameter POPE Professional® Transducer
Voice Coil Diameter	:	117.35 mm (4.5")
Magnet Material	:	Ferrite

Enclosure

Box Construction	:	18 mm, 11-ply birch Faced plywood Rectangle Horn-Loaded Sub-woofer enclosure
Grille	:	Powder coated, black, 16-gauge perforated steel grille
Mounting	:	35 mm Pole Mount
Surface Finish	:	**SoundFlex®** environment friendly coating
Packing	:	Foam with wooden crate carton packing
Dimensions (H x W x D)	:	835 mm × 565 mm × 740 mm
Net Weight	:	75 kg
Gross Weight	:	85 kg

SoundNet® Ready

565

835

FRONT

740

835

POPE

TT

SIDE

Specifications

SoundNet® Ready

Model	:	**TT-218BV1**
Class	:	2*18" Powered Horn-Loaded Sub-woofer
Frequency Response	:	20Hz - 160Hz
SPL**	:	129dB Continuous, 138dB peak

Electronic

Amplifier

Model	:	VT-4
Total Power	:	10000W Peak, 5000W RMS Continuous
Cooling	:	Aluminium heat Sink with Fan
Power Connector	:	In / Out with Rubber sealing cover
Power	:	AC 85-265V @ 50-60Hz

Processor

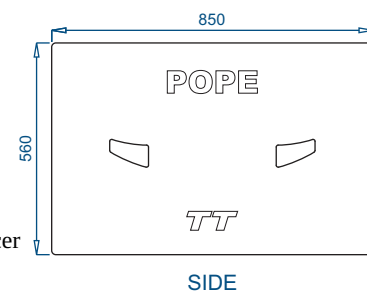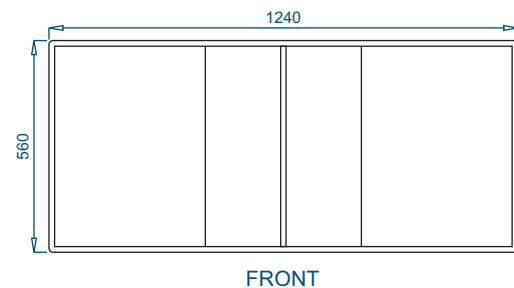|		
In/Out	:	4 In / 4 Out
DSP	:	40 bit / 96kHz DSP
Filters	:	FIR / IIR, Frequency, Gain, RMS, Peak, Dynamic Limiter
Analog Signal	:	Balanced Input / Output
Digital Signal	:	Dante® / AES67 / AESOP (SN-2 AES67 / SN-4 Dante Module - Optional)
Connectors	:	XLR male / female and Ethernet
Control	:	Ethernet - SoundNet® Networking
Preset	:	24

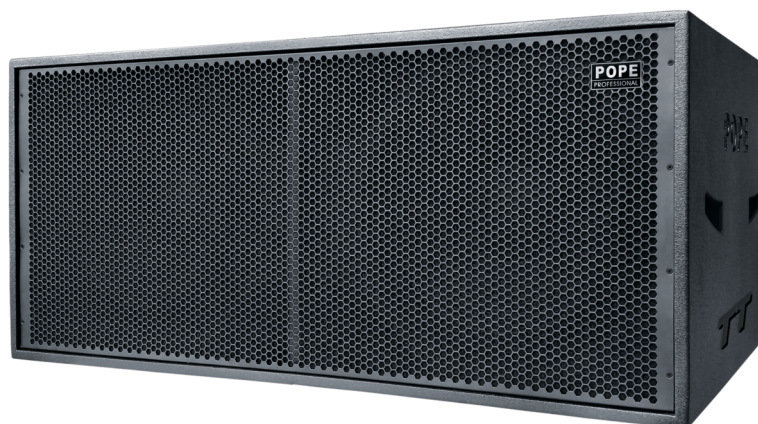For more specifications about DSP, check the XT-4040 product catalogue.

FRONT

Transducer

Low Frequency	:	2*18" (460 mm) Diameter POPE Professional® Transducer
Voice Coil Diameter	:	101.93 mm (4")
Magnet Material	:	Ferrite

SIDE

Enclosure

Box Construction	:	18 mm, 11-ply birch Faced plywood Rectangle Horn-Loaded Sub-woofer enclosure
Grille	:	Powder coated, black, 16-gauge perforated steel grille
Surface Finish	:	**SoundFlex®** environment friendly coating
Packing	:	Foam with wooden crate carton packing
Dimensions (H x W x D)	:	560 mm x 1240 mm x 850 mm
Net Weight	:	123 kg
Gross Weight	:	140 kg

Specifications

SoundNet® Ready

Model	:	**TT-218BV2**
Class	:	2*18" Powered Horn-Loaded Sub-woofer
Frequency Response	:	20Hz - 160Hz
SPL**	:	129dB Continuous, 138dB peak

Electronic
Amplifier

Model	:	VT-4
Total Power	:	10000W Peak, 5000W RMS Continuous
Cooling	:	Aluminium heat Sink with Fan
Power Connector	:	In / Out with Rubber sealing cover
Power	:	AC 85-265V @ 50-60Hz

Processor

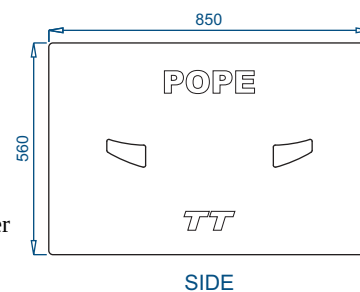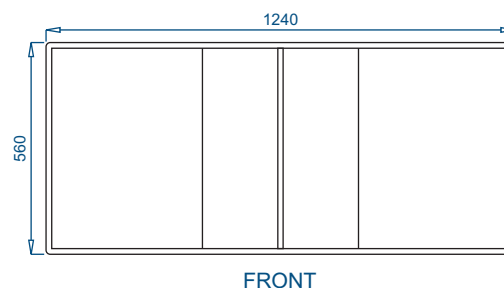|		
In/Out	:	4 In / 4 Out
DSP	:	40 bit / 96kHz DSP
Filters	:	FIR / IIR, Frequency, Gain, RMS, Peak, Dynamic Limiter
Analog Signal	:	Balanced Input / Output
Digital Signal	:	Dante® / AES67 / AESOP (SN-2 AES67 / SN-4 Dante Module - Optional)
Connectors	:	XLR male / female and Ethernet
Control	:	Ethernet - SoundNet® Networking
Preset	:	24

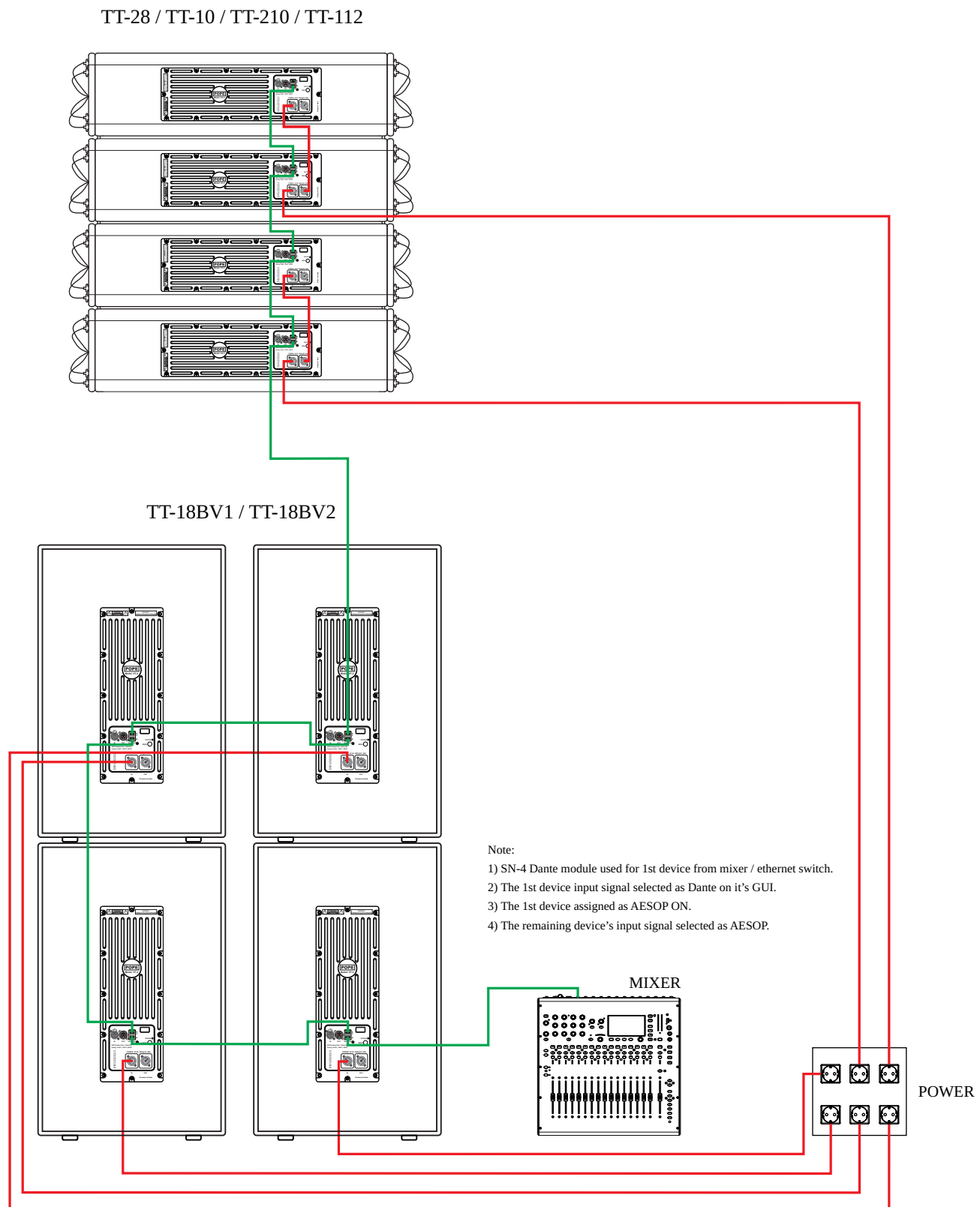For more specifications about DSP, check the XT-4040 product catalogue.

1240

560

FRONT

Transducer
Low Frequency

Low Frequency	:	2*18" (460 mm) Diameter POPE Professional® Transducer
Voice Coil Diameter	:	117.35 mm (4.5")
Magnet Material	:	Ferrite

850

560

POPE

TT

SIDE
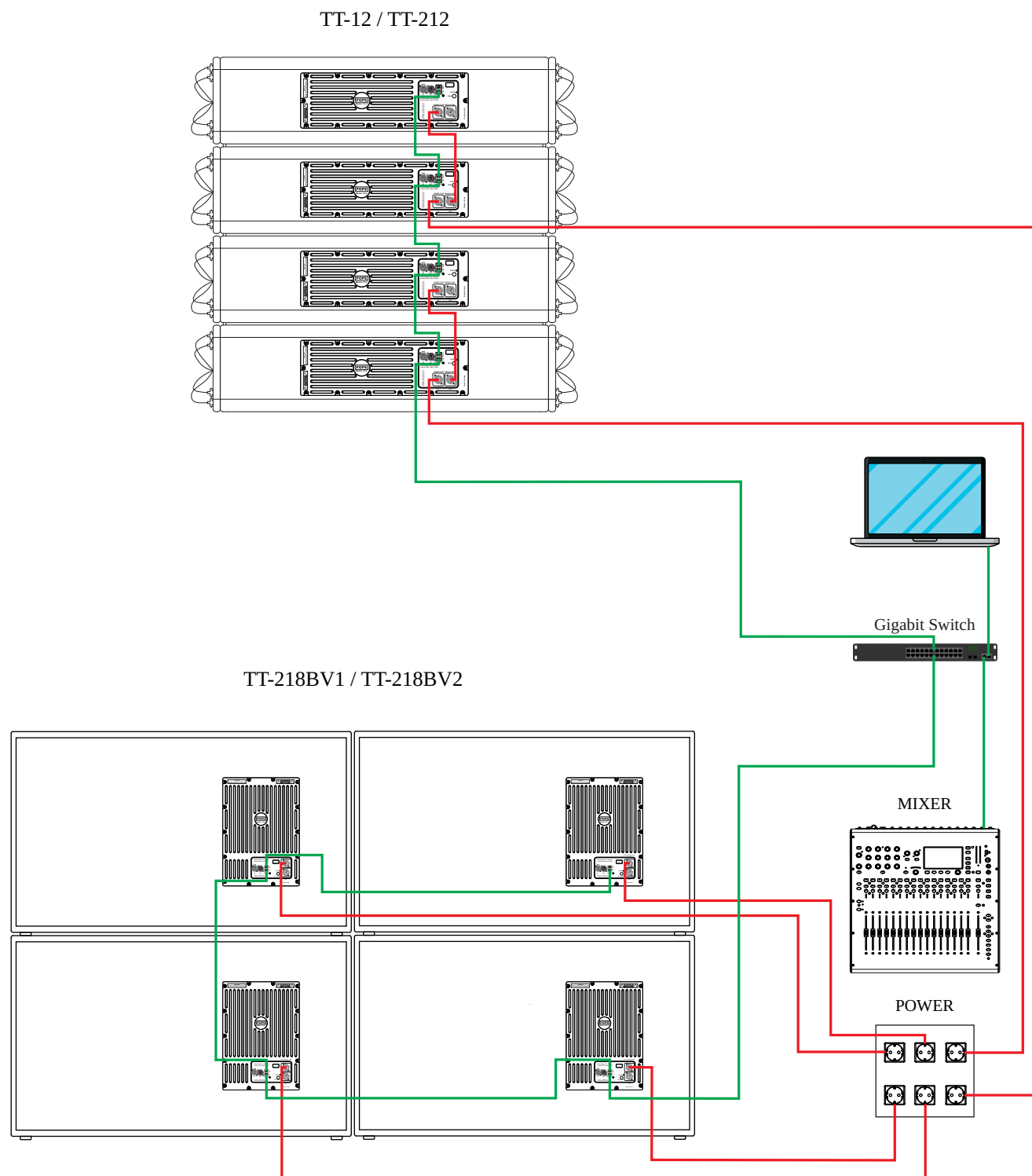
Enclosure

Box Construction	:	18 mm, 11-ply birch Faced plywood Rectangle Horn-Loaded Sub-woofer enclosure
Grille	:	Powder coated, black, 16-gauge perforated steel grille
Surface Finish	:	**SoundFlex®** environment friendly coating
Packing	:	Foam with wooden crate carton packing
Dimensions (H x W x D)	:	560 mm x 1240 mm x 850 mm
Net Weight	:	118 kg
Gross Weight	:	134 kg

Three Way System - SoundNet® Dante with AESOP Digital Network Connection Details

TT-28 / TT-10 / TT-210 / TT-112

TT-18BV1 / TT-18BV2

Note:

1) SN-4 Dante module used for 1st device from mixer / ethernet switch.

2) The 1st device input signal selected as Dante on it's GUI.

3) The 1st device assigned as AESOP ON.

4) The remaining device's input signal selected as AESOP.

MIXER

POWER

Four Way System - SoundNet® Dante Digital Network Connection Details

TT-12 / TT-212

TT-218BV1 / TT-218BV2

Gigabit Switch

MIXER

POWER

SM Series
Powered Monitor

Description

The POPE Professional® SM Series is a compact, high performance coaxial powered stage monitor which combines maximum enclosure volume with optimum presentation angle in a low profile and contemporary design. It features a high-performance 12" (300 mm) and 15"(380 mm) Coaxial driver unit mounted on a differential dispersion enclosure.

The SM Series Powered Monitors are having on board FIR/IIR filters, Analog In/Out, AESOP digital signal In/Out and SoundNet® Networking. The customer can add POPE Professional® SN-2 AES67 Network module or SN-4 Dante Network module at any time to enable digital networking. The SN-2 AES67 or SN-4 Dante module is an optional.

Specifications

Model	:	SM-12C
Class	:	1*12" Powered Coaxial Monitor
Frequency Response	:	80Hz - 20kHz
Horizontal Coverage Angle	:	55°
Vertical Coverage Angle	:	35°
SPL**	:	110dB Continuous, 116dB peak

Electronic
Amplifier

Model	:	VT-3
Total Power	:	6600W Peak, 3300W RMS Continuous
Amplifier Output (HF)	:	1600W Peak, 800W RMS Continuous
Amplifier Output (LF)	:	5000W Peak, 2500W RMS Continuous
Cooling	:	Aluminium heat Sink with Fan
Power Connector	:	In / Out with Rubber sealing cover
Power	:	AC 85-265V @ 50-60Hz

Processor

In/Out	:	4 In / 4 Out
DSP	:	40 bit / 96kHz DSP
Filters	:	FIR / IIR, Frequency, Gain, RMS, Peak, Dynamic Lim
Analog Signal	:	Balanced Input / Output
Digital Signal	:	Dante® / AES67 / AESOP
		(SN-2 AES67 / SN-4 Dante Module - Optional)
Connectors	:	XLR male / female and Ethernet
Control	:	Ethernet - SoundNet® Networking
Preset	:	24

For more specifications about DSP, check the XT-4040 product catalogue.

Transducer
High Frequency

	:	1*1.4" Throat POPE Professional® Transducer Compression driver
Voice Coil Diameter	:	75 mm (3")
Magnet Material	:	Ferrite
Diaphragm Material	:	Titanium

Low Frequency

	:	1*12" (300 mm) Diameter POPE Professional® Transducer Transducer
Voice Coil Diameter	:	75 mm (3")
Magnet Material	:	Ferrite

Enclosure

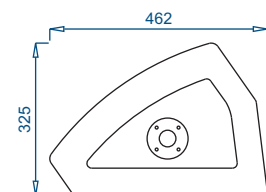| Box Construction	:	18 mm, 11-ply birch Faced plywood 5 degree Trapezoidal enclosure
Finish	:	SoundFlex® environmental friendly coating
Mounting	:	35 mm Pole Mount
Suspension System	:	Floor / Tripod Stand
Grille	:	Powder coated, black, 16-gauge perforated steel grille with charcoal foam backing
Packing	:	Foam with wooden crate carton packing
Dimensions (H x W x D)	:	325 mm × 545 mm × 462 mm
Net Weight	:	24 kg
Gross Weight	:	31 kg

Applications

• Speech reinforcement

• Live performance stage monitoring

• Reinforcement of vocal and music

Features

• FIR/IIR Filters

• Dante / AES67 / AESOP / Analog Input

• 40 bit floating point / 96kHz DSP Processing

• Class-D amplification

• SoundNet® Networking software

• Ethernet Connectivity

• 24 bit AD/DA converters

• Built-in DSP

• 12" & 15" Coaxial Driver

545

325

FRONT

462

325

SIDE

SoundNet® Ready

Specifications

Model	:	**SM-15C**
Class	:	1*15" Powered Coaxial Monitor
Frequency Response	:	76Hz - 20kHz
Horizontal Coverage Angle	:	55°
Vertical Coverage Angle	:	35°
SPL**	:	114dB Continuous, 120dB peak

SoundNet® Ready

Electronic

Amplifier

Model	:	VT-3
Total Power	:	6600W Peak, 3300W RMS Continuous
Amplifier Output (HF)	:	1600W Peak, 800W RMS Continuous
Amplifier Output (LF)	:	5000W Peak, 2500W RMS Continuous
Cooling	:	Aluminium heat Sink with Fan
Power Connector	:	In / Out with Rubber sealing cover
Power	:	AC 85-265V @ 50-60Hz

Processor

In/Out	:	4 In / 4 Out
DSP	:	40 bit / 96kHz DSP
Filters	:	FIR / IIR, Frequency, Gain, RMS, Peak, Dynamic Limiter
Analog Signal	:	Balanced Input / Output
Digital Signal	:	Dante® / AES67 / AESOP
		(SN-2 AES67 / SN-4 Dante Module - Optional)
Connectors	:	XLR male / female and Ethernet
Control	:	Ethernet - SoundNet® Networking
Preset	:	24

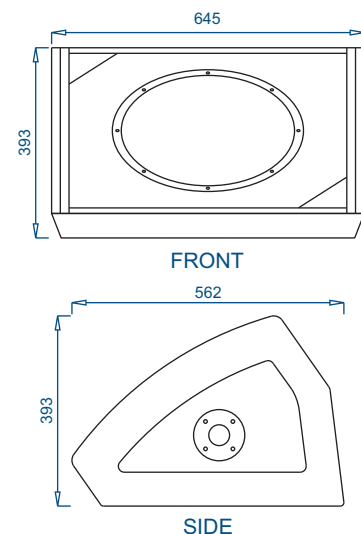For more specifications about DSP, check the XT-4040 product catalogue.

Transducer

High Frequency

High Frequency	:	1*1.4" Throat POPE Professional® Transducer Compression driver
Voice Coil Diameter	:	75 mm (3")
Magnet Material	:	Ferrite
Diaphragm Material	:	Titanium

Low Frequency

Low Frequency	:	1*15" (380 mm) Diameter POPE Professional® Transducer
Voice Coil Diameter	:	75 mm (3")
Magnet Material	:	Ferrite

Enclosure

Box Construction	:	18 mm, 11-ply birch Faced plywood 5 degree Trapezoidal enclosure
Finish	:	**SoundFlex®** environmental friendly coating
Mounting	:	35 mm Pole Mount
Suspension System	:	Floor / Tripod Stand
Grille	:	Powder coated, black, 16-gauge perforated steel grille with charcoal foam backing
Packing	:	Foam with wooden crate carton packing
Dimensions (H x W x D)	:	393 mm × 645 mm × 562 mm
Net Weight	:	30 kg
Gross Weight	:	39 kg

645

393

FRONT

562

393

SIDE

SP Series

Powered Sub-woofers

Description

The POPE Professional® SP Series powered sub-woofers are made with high sensitivity POPE Professional® 12", 15" and 18" transducers. The SP Series designed ground up to provide sub frequency extension to modern sound reinforcement applications.

The SP Series Powered Sub-woofers can deliver two channel amplifier outputs. It's suitable to power any kind of two way speakers.

The SP Series Sub-woofers are having on board FIR/IIR filters, Analog In/Out, AESOP digital signal In/Out and SoundNet® Networking. The customer can add POPE Professional® SN-2 AES67 Network module or SN-4 Dante Network module at any time to enable digital networking. The SN-2 AES67 or SN-4 Dante module is an optional.

Specifications

Model	:	SP-12B
Class	:	1*12" Powered Sub-woofer
Frequency Response	:	36Hz - 180Hz
SPL**	:	118dB Continuous, 126dB peak

Electronic

Amplifier

Model	:	VT-6
Total Power	:	10000W Peak, 5000W RMS Continuous
Amplifier Output (Sub)	:	5000W Peak, 2500W Continuous
Amplifier Output (CH-3 & CH-4)	:	5000W Peak, 1250W + 1250W @ 4Ω Continuous
Speakon Wiring	:	CH-3: +1 -1 and CH-4: +2 -2
Cooling	:	Aluminium heat Sink with Fan
Power Connector	:	In with Rubber sealing cover
Power	:	AC 85-265V @ 50-60Hz

Processor

In/Out	:	4 In / 4 Out
DSP	:	40 bit / 96kHz DSP
Filters	:	FIR / IIR, Frequency, Gain, RMS, Peak, Dynamic Limiter
Analog Signal	:	Balanced Input / Output
Digital Signal	:	Dante® / AES67 / AESOP (SN-2 AES67 / SN-4 Dante Module - Optional)
Connectors	:	XLR male / female and Ethernet
Control	:	Ethernet - SoundNet® Networking
Preset	:	24

For more specifications about DSP, check the XT-4040 product catalogue.

Transducer

Low Frequency	:	1*12" (305 mm) Diameter POPE Professional® Transducer
Voice Coil Diameter	:	100 mm (4")
Magnet Material	:	Ferrite

Enclosure

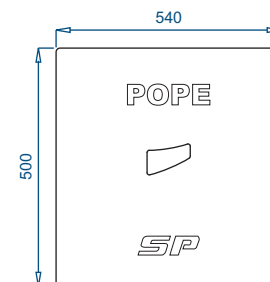| Box Construction	:	15 mm, 9-ply birch Faced plywood Rectangle Sub-woofer enclosure
Mounting	:	35 mm Pole Mount
Grille	:	Powder coated, black, 16-gauge perforated steel grille
Surface Finish	:	SoundFlex® environment friendly coating
Packing	:	Foam with wooden crate carton box packing
Dimensions (H x W x D)	:	500 mm × 435 mm × 540 mm
Net Weight	:	31 kg
Gross Weight	:	38 kg

Features

- 12" (305 mm) Diameter POPE Professional® Transducer
- 4" (100 mm) voice coil
- Class-D amplification
- FIR / IIR Filters
- Dante / AES67 / AESOP / Analog Input
- 40 bit floating point / 96kHz DSP Processing

Applications

- Live Sound
- Touring Concerts
- Club Systems
- Large Nightclubs
- Arenas

435

500

FRONT

540

500

SIDE

Features

- 15" (380 mm) Diameter POPE Professional® Transducer
- 4" (100 mm) voice coil
- Class-D amplification
- FIR/IIR Filters
- Dante / AES67 / AESOP / Analog Input
- 40 bit floating point / 96kHz DSP Processing

Specifications

Model	:	**SP-15B**
Class	:	1*15" Powered Sub-woofer
Frequency Response	:	32Hz - 176Hz
SPL**	:	120dB Continuous, 132dB peak

Electronic

Amplifier

Model	:	VT-6
Total Power	:	10000W Peak, 5000W RMS Continuous
Amplifier Output (Sub)	:	5000W Peak, 2500W Continuous
Amplifier Output (CH-3 & CH-4)	:	5000W Peak, 1250W + 1250W @ 4Ω Continuous
Speakon Wiring	:	CH-3: +1 -1 and CH-4: +2 -2
Cooling	:	Aluminium heat Sink with Fan
Power Connector	:	In with Rubber sealing cover
Power	:	AC 85-265V @ 50-60Hz

Processor

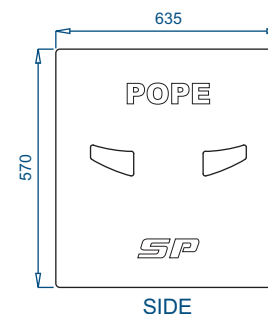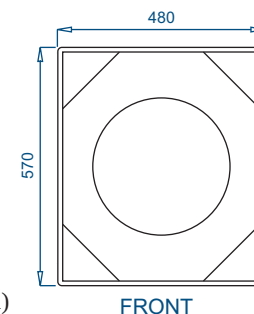|		
In/Out	:	4 In / 4 Out
DSP	:	40 bit / 96kHz DSP
Filters	:	FIR / IIR, Frequency, Gain, RMS, Peak, Dynamic Limiter
Analog Signal	:	Balanced Input / Output
Digital Signal	:	Dante® / AES67 / AESOP (SN-2 AES67 / SN-4 Dante Module - Optional)
Connectors	:	XLR male / female and Ethernet
Control	:	Ethernet - SoundNet® Networking
Preset	:	24

For more specifications about DSP, check the XT-4040 product catalogue.

Transducer

Low Frequency

Low Frequency	:	1*15" (380 mm) Diameter POPE Professional® Transducer
Voice Coil Diameter	:	100 mm (4")
Magnet Material	:	Ferrite

Enclosure

Box Construction	:	18 mm, 11-ply birch Faced plywood Rectangle Sub-woofer enclosure
Mounting	:	35 mm Pole Mount
Grille	:	Powder coated, black, 16-gauge perforated steel grille
Surface Finish	:	SoundFlex® environment friendly coating
Packing	:	Foam with wooden crate carton box packing
Dimensions (H x W x D)	:	570 mm × 480 mm × 635 mm
Net Weight	:	42 kg
Gross Weight	:	52 kg

FRONT

SIDE

Features

- 18" (460 mm) Diameter POPE Professional® Transducer
- 4" (100 mm) voice coil
- Class-D amplification
- FIR/IIR Filters
- Dante / AES67 / AESOP / Analog Input
- 40 bit floating point / 96kHz DSP Processing

Specifications

Model	:	**SP-18B**
Class	:	1*18" Powered Sub-woofer
Frequency Response	:	20Hz - 160Hz
SPL**	:	127dB Continuous, 135dB peak

Electronic

Amplifier

Model	:	VT-6
Total Power	:	10000W Peak, 5000W RMS Continuous
Amplifier Output (Sub)	:	5000W Peak, 2500W Continuous
Amplifier Output (CH-3 & CH-4)	:	5000W Peak, 1250W + 1250W @ 4Ω Continuous
Speakon Wiring	:	CH-3: +1 -1 and CH-4: +2 -2
Cooling	:	Aluminium heat Sink with Fan
Power Connector	:	In with Rubber sealing cover
Power	:	AC 85-265V @ 50-60Hz

Processor

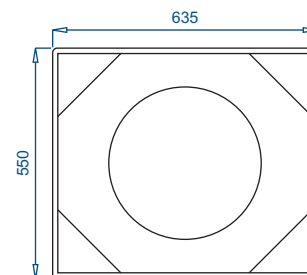|		
In/Out	:	4 In / 4 Out
DSP	:	40 bit / 96kHz DSP
Filters	:	FIR / IIR, Frequency, Gain, RMS, Peak, Dynamic Limiter
Analog Signal	:	Balanced Input / Output
Digital Signal	:	Dante® / AES67 / AESOP (SN-2 AES67 / SN-4 Dante Module - Optional)
Connectors	:	XLR male / female and Ethernet
Control	:	Ethernet - SoundNet® Networking
Preset	:	24

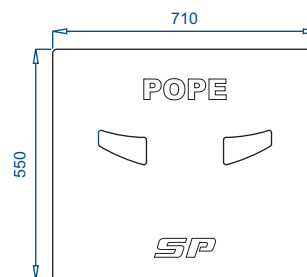For more specifications about DSP, check the XT-4040 product catalogue.

Transducer

Low Frequency	:	1*18" (460 mm) Diameter POPE Professional® Transducer
Voice Coil Diameter	:	100 mm (4")
Magnet Material	:	Ferrite

Enclosure

Box Construction	:	18 mm, 11-ply birch Faced plywood Rectangle Sub-woofer enclosure
Mounting	:	35 mm Pole Mount
Grille	:	Powder coated, black, 16-gauge perforated steel grille
Surface Finish	:	SoundFlex® environment friendly coating
Packing	:	Foam with wooden crate carton box packing
Dimensions (H x W x D)	:	550 mm × 635 mm × 710 mm
Net Weight	:	52 kg
Gross Weight	:	63 kg

FRONT

SIDE

MP Series

Powered Sub-woofers

Description

The POPE Professional® MP Series Powered Sub-woofers are made with high sensitivity POPE Professional® 18" transducer. The MP Series designed ground up to provide sub frequency extension to modern sound reinforcement applications. The MP Series Powered Sub-woofers can deliver two channel amplifier outputs. It's suitable to power any kind of two way speakers.

The MP Series Sub-woofers are having on board FIR/IIR filters, Analog In/Out, AESOP digital signal In/Out and SoundNet® Networking. The customer can add POPE Professional® SN-2 AES67 Network module or SN-4 Dante Network module at any time to enable digital networking. The SN-2 AES67 or SN-4 Dante module is an optional.

Features

- 18" (305 mm) Diameter POPE Professional® Transducer
- 4" (100 mm) voice coil
- Class-D amplification
- FIR / IIR Filters
- Dante / AES67 / AESOP / Analog Input
- 40 bit floating point / 96kHz DSP Processing

Specifications

Model : **MP-18BV1**

Class	:	1*18" Powered Horn-Loaded Sub-woofer
Frequency Response	:	20Hz - 160Hz
SPL**	:	127dB Continuous, 135dB peak

Electronic
Amplifier

Model	:	VT-6
Total Power	:	10000W Peak, 5000W RMS Continuous
Amplifier Output (Sub)	:	5000W Peak, 2500W Continuous
Amplifier Output (CH-3 & CH-4)	:	5000W Peak, 1250W + 1250W @ 4Ω Continuous
Speakon Wiring	:	CH-3: +1 -1 and CH-4: +2 -2
Cooling	:	Aluminium heat Sink with Fan
Power Connector	:	In with Rubber sealing cover
Power	:	AC 85-265V @ 50-60Hz

Processor

In/Out	:	4 In / 4 Out
DSP	:	40 bit / 96kHz DSP
Filters	:	FIR / IIR, Frequency, Gain, RMS, Peak, Dynamic Limiter
Analog Signal	:	Balanced Input / Output
Digital Signal	:	Dante® / AES67 / AESOP (SN-2 AES67 / SN-4 Dante Module - Optional)
Connectors	:	XLR male / female and Ethernet
Control	:	Ethernet - SoundNet® Networking
Preset	:	24

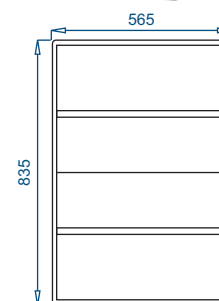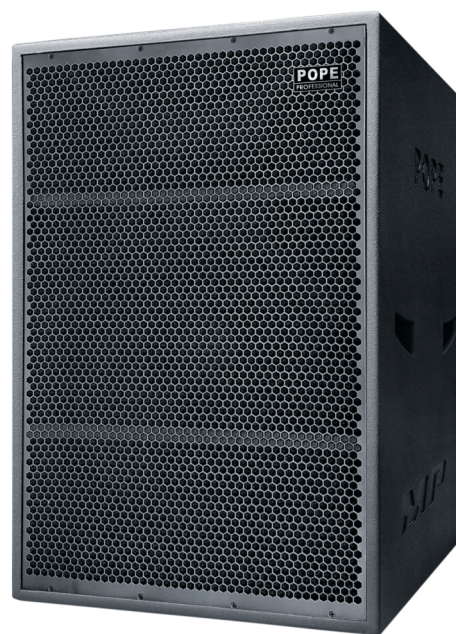For more specifications about DSP, check the XT-4040 product catalogue.

Transducer
Low Frequency

	:	1*18" (460 mm) Diameter POPE Professional® Transducer
Voice Coil Diameter	:	100 mm (4")
Magnet Material	:	Ferrite

Enclosure

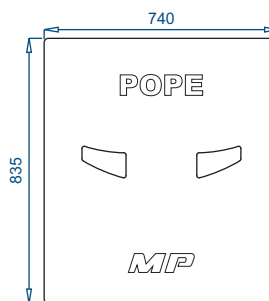|		
Box Construction	:	18 mm, 11-ply birch Faced plywood Rectangle Horn-Loaded Sub-woofer enclosure
Mounting	:	35 mm Pole Mount
Grille	:	Powder coated, black, 16-gauge perforated steel grille
Surface Finish	:	SoundFlex® environment friendly coating
Packing	:	Foam with wooden crate carton box packing
Dimensions (H x W x D)	:	835 mm × 565 mm × 740 mm
Net Weight	:	71.5 kg
Gross Weight	:	82 kg

565

835

FRONT

740

POPE

MP

835

SIDE

Features

- 18" (305 mm) Diameter POPE Professional® Transducer
- 4.5" (117.35 mm) voice coil
- Class-D amplification
- FIR / IIR Filters
- Dante / AES67 / AESOP / Analog Input
- 40 bit floating point / 96kHz DSP Processing
- High power output for CH-3 & CH-4

Specifications

Model	:	MP-18BV2
Class	:	1*18" Powered Horn-Loaded Sub-woofer
Frequency Response	:	20Hz - 160Hz
SPL**	:	128dB Continuous, 136dB peak

Electronic
Amplifier

Model	:	VT-4
Total Power	:	10000W Peak, 5000W RMS Continuous
Amplifier Output (Sub)	:	5000W Peak, 2500W Continuous
Amplifier Output (CH-3 & CH-4)	:	5000W Peak, 1250W + 1250W @ 4Ω Continuous
Speakon Wiring	:	CH-3: +1 -1 and CH-4: +2 -2
Cooling	:	Aluminium heat Sink with Fan
Power Connector	:	In with Rubber sealing cover
Power	:	AC 85-265V @ 50-60Hz

Processor

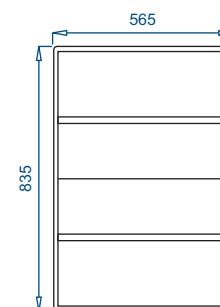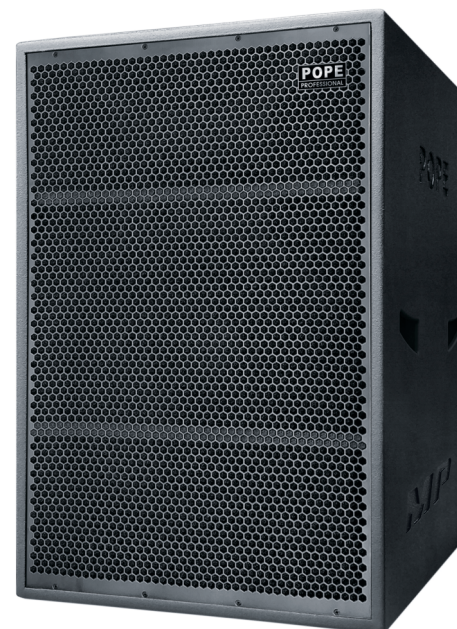| In/Out	:	4 In / 4 Out
DSP	:	40 bit / 96kHz DSP
Filters	:	FIR / IIR, Frequency, Gain, RMS, Peak, Dynamic Limiter
Analog Signal	:	Balanced Input / Output
Digital Signal	:	Dante® / AES67 / AESOP (SN-2 AES67 / SN-4 Dante Module - Optional)
Connectors	:	XLR male / female and Ethernet
Control	:	Ethernet - SoundNet® Networking
Preset	:	24

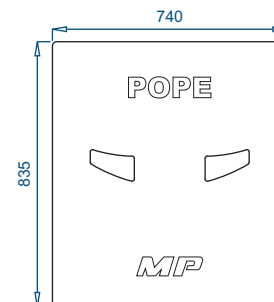For more specifications about DSP, check the XT-4040 product catalogue.

Transducer

Low Frequency	:	1*18" (457 mm) Diameter POPE Professional® Transducer
Voice Coil Diameter	:	117.35 mm (4.5")
Magnet Material	:	Ferrite

Enclosure

Box Construction	:	18 mm, 11-ply birch Faced plywood Rectangle Horn-Loaded Sub-woofer enclosure
Mounting	:	35 mm Pole Mount
Grille	:	Powder coated, black, 16-gauge perforated steel grille
Surface Finish	:	SoundFlex® environment friendly coating
Packing	:	Foam with wooden crate carton box packing
Dimensions (H x W x D)	:	835 mm × 565 mm × 740 mm
Net Weight	:	74 kg
Gross Weight	:	85 kg

565

835

FRONT

740

POPE

835

MP

SIDE

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NOTE

SoundNet

The POPE Professional's SoundNet Networking technology make the user to control the DSP over Ethernet. The SoundNet Networking software is providing full access to the DSP.

The SoundNet software GUI allows the user to control and send digital audio signals to devices via AES / Dante Networking.

Thanks to our engineers, for their great efforts to build the very steady and stable network connectivity.

SoundFlex

The POPE Professional speakers and Sub-woofers are coated with SoundFlex® environment friendly surface finish.

The SoundFlex® coating recipe is specially developed for long standing durability and weather resistant.

* Speaker power rating measured IEC filtered noise with 6 dB crest factor.
** SPL calculated based on power rating and sensitivity.

1) All amplifier specifications are typical values.

2) The amplifier will be fully operational at 2 ohm loads, but due to physical constraints in the construction, this mode of operation is not recommended.

- The information on the products contained within is correct at the time of printing. We would recommend you to check our website, www.pope-pro.com for any updates not contained in this publication.

- The manufacturer reserves the right to vary specifications, design, color and dimension without notice.

- All pictures shown are for illustration purpose only. Actual product may vary due to product enhancement.

- All the pictures contained in this catalogue are the property of POPE Professional Acoustics Ltd.

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