

PROLINE

**pulzz**<sup>®</sup>

LINE SOURCE SERIES



# QUARTET QM1



## FEATURES:

- High performance and very high SPL
- Wide horizontal dispersion and variable vertical dispersion
- Configurable array length depending on the distance to be covered
- Very low SPL gradient from front to back
- Coverage pattern optimizable to focus sound on audience and avoid sound radiation to ceiling
- Compact design and easy installation

Pulz Quartet QM1 is an advanced true Line Source System capable of high SPL and linear frequency response.

Quartet QM1 is designed for easy powering, convenience in deployment and to deliver outstanding sound quality in large cinemas. The system is powered with two high performance 8" Low-Mid drivers, the best in its class in conjunction with a 1.75" voice coil compression driver of superior sonic quality.

A specially designed waveguide loads the HF driver to create a true line source with minimum internal diffraction and associated distortions.

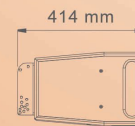
The LF section is loaded both in front and rear for optimum coupling and extended LF response. A minimum loss passive crossover integrates the HF and LF sections further assisted by external advanced digital processing to achieve flat frequency response.

Quartet QM1 is built using 15 mm Marine Grade Birch Plywood finished with abrasion resistant polyurethane paint. The speakers can be ground, stacked or flown with optional rigging accessories. Each box can be tilted individually from 0.5° to 12° with fine increments to achieve desired vertical coverage. Speakon connection on the back plate ensures secure speaker connections. Upto four Quartet QM1 boxes can be powered by a single channel of a high power amplifier, making the system easy to wire and deploy efficiently.

The Quartet QM1 is designed taking into consideration all the practical aspects of Line Source deployment yet not compromising on the ultimate sonic quality and long term consistent reliable performance.

## SPECIFICATIONS:

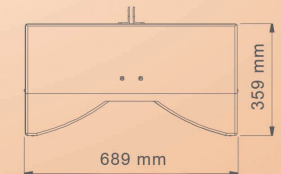
<b>Frequency Response:</b>	65Hz to 19kHz
<b>Power Rating:</b>	260W AES, 1040W peak
<b>Sensitivity:</b>	97.5dB @ 1W/1m
<b>Sensitivity (4 boxes):</b>	103.5dB @ 1W/1m
<b>Maximum SPL:</b>	121.5dB continuous, 127.5dB peak @ 1m
<b>Maximum SPL (4 boxes):</b>	133.5dB continuous, 139.5dB peak @ 1m
<b>Nominal Impedance:</b>	16Ω
<b>Nominal Impedance (4 boxes):</b>	4Ω
<b>Transducers:</b>	2 X 8" (200 mm) driver, 1.75" (44 mm) voice coil compression driver
<b>Recommended Filter:</b>	60Hz 18dB/octave Butterworth High pass filter 20kHz 12dB/octave Butterworth Low pass filter
<b>Crossover:</b>	1kHz Passive, Air core inductors, MKP capacitors, Wire wound resistors
<b>Dispersion:</b>	100° horizontal, 0° to 12° vertically configurable
<b>Finish:</b>	Black impact resistant structured coating
<b>Connector:</b>	2 X Neutrik NL4MP Speakon connectors
<b>Enclosure:</b>	15 mm Marine Grade Birch Plywood
<b>Grill:</b>	Perforated heavy duty metal grill
<b>Dimensions (H X W X D):</b>	237 mm X 689 mm X 414 mm (9.3" X 27.1" X 16.3")
<b>Net Weight:</b>	25 kg (55 lb)
<b>Packed Weight:</b>	27 kg (59 lb)



SIDE VIEW



FRONT VIEW



TOP VIEW

# QUARTET QM2



## FEATURES:

- High performance and very high SPL
- Wide horizontal dispersion and variable vertical dispersion
- Configurable array length depending on the distance to be covered
- Very low SPL gradient from front to back
- Coverage pattern optimizable to focus sound on audience and avoid sound radiation to ceiling
- Compact design and easy installation

Pulz Quartet QM2 is an advanced true Line Source System capable of high SPL and linear frequency response.

Quartet QM2 is designed for easy powering, convenience in deployment and to deliver outstanding sound quality in large cinemas. The system is powered with two high performance 8" Low-Mid drivers, the best in its class in conjunction with a 1.75" voice coil compression driver of superior sonic quality.

A specially designed waveguide loads the HF driver to create a true line source with minimum internal diffraction and associated distortions.

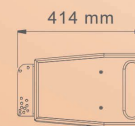
The LF section is loaded both in front and rear for optimum coupling and extended LF response. A minimum loss passive crossover integrates the HF and LF sections further assisted by external advanced digital processing to achieve flat frequency response.

Quartet QM2 is built using 15 mm Marine Grade Birch Plywood finished with abrasion resistant polyurethane paint. The speakers can be ground, stacked or flown with optional rigging accessories. Each box can be tilted individually from 0.5° to 12° with fine increments to achieve desired vertical coverage. Speakon connection on the back plate ensures secure speaker connections. Upto four Quartet QM2 boxes can be powered by a single channel of a high power amplifier, making the system easy to wire and deploy efficiently.

The Quartet QM2 is designed taking into consideration all the practical aspects of Line Source deployment yet not compromising on the ultimate sonic quality and long term consistent reliable performance.

## SPECIFICATIONS:

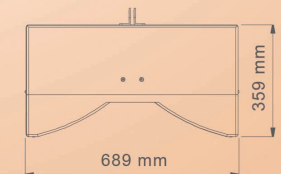
<b>Frequency Response:</b>	65Hz to 19kHz
<b>Power Rating:</b>	400W AES, 1600W peak
<b>Sensitivity:</b>	97dB @ 1W/1m
<b>Sensitivity (4 boxes):</b>	103dB @ 1W/1m
<b>Maximum SPL:</b>	123dB continuous, 129dB peak @ 1m
<b>Maximum SPL (4 boxes):</b>	135dB continuous, 141dB peak @ 1m
<b>Nominal Impedance:</b>	16Ω
<b>Nominal Impedance (4 boxes):</b>	4Ω
<b>Transducers:</b>	2 X 8" (200 mm) driver, 1.75" (44 mm) voice coil compression driver
<b>Recommended Filter:</b>	60Hz 18dB/octave Butterworth High pass filter 20kHz 12dB/octave Butterworth Low pass filter
<b>Crossover:</b>	1kHz Passive, Air core inductors, MKP capacitors, Wire wound resistors
<b>Dispersion:</b>	100° horizontal, 0° to 12° vertically configurable
<b>Finish:</b>	Black impact resistant structured coating
<b>Connector:</b>	2 X Neutrik NL4MP Speakon connector
<b>Enclosure:</b>	15 mm Marine Grade Birch Plywood
<b>Grill:</b>	Perforated heavy duty metal grill
<b>Dimensions (H X W X D):</b>	237 mm X 689 mm X 414 mm (9.3" X 27.1" X 16.3")
<b>Net Weight:</b>	25 kg (55 lb)
<b>Packed Weight:</b>	27 kg (59 lb)



SIDE VIEW



FRONT VIEW



TOP VIEW

# LA402P



## FEATURES:

- Superior audio clarity
- True line source behaviour
- 100°H X 10°V nominal dispersion
- High SPL
- Full range frequency response
- Extendable array length

The Pulz LA402P is true line source speaker system, specially designed for high speech intelligibility in reverberant spaces. It incorporates four proprietary high power 6.5" Low/Mid drivers and four 8" state of the art neodymium planar magnetic drivers, covering the critical mid and high frequencies. The extremely light and durable diaphragms of these drivers offer unsurpassed voice clarity, transient response and very low distortion.

The LA402P exhibits true line array topology. Sound is projected over a wide horizontal angle without any lobes and in a well defined vertical angle. This dispersion characteristics is especially beneficial in highly reverberant venues, since reflections from ceiling and floor are greatly reduced. Near field extension (3 dB loss per doubling of distance) will depend on the frequency and the height of the array. Two vertically stacked cabinets will extend the near field at 1kHz to 10 meters.

The drivers in the LA402P are integrated with a sophisticated passive crossover consisting of air core coils and precision components. The wide frequency response from 60Hz to 20kHz and high SPL makes it possible to use LA402P as a stand alone system in most applications. This makes deployment of LA402P convenient and cost effective.

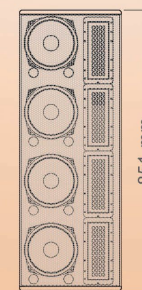
The cabinet is made of multilayer Birch Plywood and is equipped with eight integral flying points. The cabinet is coated with black polyurethane paint in aberration resistant textured finish. The metal grill is made of acoustically transparent heavy gauge steel. The Neutrik Speakon NL4 ensures convenient and secure connectivity.

## SPECIFICATIONS:

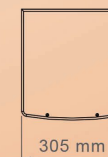
<b>Frequency Response:</b>	60Hz to 20kHz
<b>Power Rating:</b>	240W AES, 960W peak
<b>Sensitivity:</b>	95dB @ 1W/1m
<b>Maximum SPL:</b>	118dB continuous, 124dB peak @ 1m
<b>Dispersion:</b>	100° horizontal, 10° vertical
<b>Low Frequency Driver:</b>	4 X 6.5" Low Mid driver
<b>High Frequency Driver:</b>	4 X 8" neodymium planar driver
<b>Recommended Filter:</b>	50Hz 18dB/octave Butterworth High pass filter 20kHz 12dB/octave Butterworth Low pass filter
<b>Finish:</b>	Black impact resistant structured coating
<b>Enclosure:</b>	15 mm Birch Plywood vented enclosure with separate chamber for each driver
<b>Crossover:</b>	1kHz Passive, Air core inductors, MKP capacitors, Wire wound resistors
<b>Grill:</b>	Perforated heavy duty metal grill with acoustically transparent black fabric
<b>Connector:</b>	1 X Speakon
<b>Dimensions (H X W X D):</b>	843 mm X 305 mm X 335 mm (33.2" X 12" X 13.2")
<b>Net Weight:</b>	25 kg (55 lb)
<b>Packed Weight:</b>	27 kg (60 lb)



SIDE VIEW



FRONT VIEW



TOP VIEW

sound matters



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Pulz reserves the right to make changes in specifications without prior notice.