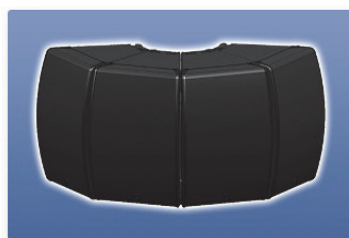


LOTUSLINE

France



The key to sound



The key to sound

In the end of 2005, one professional range of high quality loudspeakers was born – LOTUSLINE.

From 2006 to 2007, LOTUSLINE has applied three proprietary technologies in our three series , such as:

SIC™ technology used in Lotusline SB series

MVC™ technology applied on Lotusline MA series

SHM™ collinear waveguide technology in Lotusline LA system

In 2009, LOTUSLINE acquired his own compiler software EASE FOCUS, called LA System.

In 2011, LOTUSLINE will apply one new proprietary technology that is CLS™ (Coaxial line source) Technology.

At the middle of 2011, LOTUSLINE will promote a brand new Mini line array.

*LOTUSLINE products are made under strict quality control and we maintain
very strict tests throughout the whole manufacturing process.*

*LOTUSLINE systems are state of the art innovative products and offer the sound designer, sophisticated
but easy to use electro acoustic tools, which are the key to sound.*

Forget the system and enjoy the sound !

LOTUSLINE FRANCE SAS

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Coaxial Technology

Classical arrangement of two way loudspeakers uses separate transducers positioned on a common front baffle. In the transition frequency region, due to the difference of path length between the listening point and the two separate sources, spatial frequency answer cannot be homogenous. This problem is particularly sensitive for short field listening such as stage monitoring and small venues.

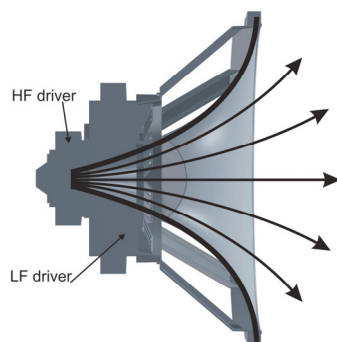
By superposing both of the two sources, coaxial technology eliminates the problem and creates a perfect homogenous acoustic field on all the speaker coverage as well horizontally as vertically.

The advantages of the coaxial approach include: single point source radiation, total wavefront coherency at all frequencies and superimposed LF/HF dispersion characteristics that are free of polar lobbing effects typical of traditional horn and woofer combinations. The net result is natural, studio monitor level sound quality that is ideal for proximity use.

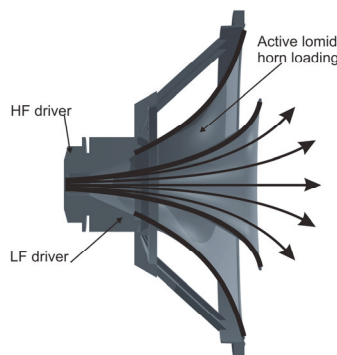
Lotusline MA & MQ series include two different coaxial arrangements. The first one uses the main driver cone as horn load for the HF driver. This arrangement offer the largest possible conical coherent coverage and is used in MA8v2, MA10v2, MA12v2 and MA15v2.

The second one uses a separate horn for the HF driver. This arrangement offers smaller aperture angles and higher lomid efficiency by loading the main cone in its throat region. We call it "active" horn loading.

This arrangement is used in MQ60.



Standard coaxial arrangement



Coaxial active horn arrangement

Line Source Technology

All line arrays are not line sources ! What's the difference ?

A true line source array generate an homogenous acoustic field on all its coverage area, in all its frequency range and is free of interference problems. The net result is the same sound from near field to far field.

The conception of a true line source encounters a lot of technical problems the designer has to solve. The main one is the fusion of all individual sources in only one virtual line source in order to generate on all the frequency range a perfect free of lobbing effects toroidal wavefront. If the solution is evident for low frequencies, this is not the same piece of cake for high ones. The acoustical size of a sound source is close to the wavelength of the generated signal. At 100Hz, the wavelength is 3.4m, so, two speakers distant of 1.2m (half the wavelength) create a perfect coherent source. At 1kHz, the wavelength is only 34cm and these two speakers are no more a coherent source and generate interferences. At 10kHz, the wavelength is 3.4cm and there are no speakers able to realize the performance to be smaller than 1.7cm in the real professional sound reinforcement world.

Many improvements have been made in line source technology, but the physical remain the same.

SHMTM and SICTM, Lotusline proprietary technologies applied in LA series, are fundamental improvements in professional loudspeaker design.

By respecting line source rules and all other acoustic laws, Lotusline LA series are true line source line arrays with a real behaviour close to the mathematical theory.

SHM™ Technology

SHM™ (Single Horn loaded Midrange) improve dramatically midrange bandwidth and efficiency by avoiding multiple components dispersion and using collinear mid and hi frequency horns layout.

First line array uses mid drivers on plane baffle. Small improvements in efficiency have been made by using compression load midrange directly in the front common waveguide, but creating irregularities in frequency response, and dispersion in characteristics due to the multiplication of components. Actually, coaxial midrange equipped with rear standard HF driver is used in common acoustic chamber imposing a long path to high frequency waves. Lotus Line Array uses the shortest possible design by positioning the toroidal HF drivers in front of the midrange driver.

SHM™ technology reduces the total harmonic distortion both in high frequencies by minimizing the length of waveguides and in low mid by increasing the radiating surface of the driver.



CLS™ Technology

CLS™ (Coaxial Line Source) technology is the definitive solution for two way configuration line source symmetrical array systems.

Standard two way line source arrays using only one low frequency driver are asymmetrical cabinets, CLS™ based Lotusline CL series are symmetrical and optimized minimum front baffle sized.

CLS™ technology offers all advantages of coaxial active horn arrangement applied to line source array systems. It means, minimum front baffle size, perfect symmetry of the baffle and so, perfect symmetry of the coverage.

Lotusline CL series uses **CLS™** technology, increasing the efficiency in low mid region, shaping the wavefront from spherical to ovoid and increasing consequently the maximum crossover frequency in vertical coupling.

MVC™ Technology

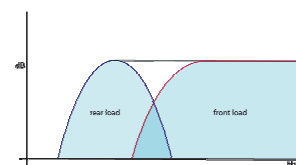
MVC™ (Multi Vent Convection) technology, increase the power handling capacity of vented loudspeaker by combining acoustical and cooling functions of vents. Multiple curved vents are placed around the main loudspeaker offering a natural air convection flow lowering the temperature of the voice coil in any working position. **MVC™** equipped speakers are much more thermal breakdown proofed than standard ones, and decrease thermal compression by lowering nominal temperature of the moving coil.

The **MVC™** (multi vent convection) technology, allows the Lotusline CL, MQ and MA series to handle nominal full power capacity in any working position.



SIC™ Technology

SIC™ (Single Interactive Chamber) technology, increases bandwidth and efficiency while reducing total volume of vented bass loudspeaker by combining rear and front load in the same volume. Because rear and front load do not work in the same frequency region, it is possible, with a special calculation layout, to fuse both functions in only one. In practice, **SIC™** technology, by using this new physical approach, virtually suppresses one of the two volumes and dramatically reduce the total size of vent loaded subwoofer. Further advantage of **SIC™** technology is the better cooling of the loudspeakers due to the exceptionally large size of the vent aperture.



Lotusline Technologies

SIC™ technology used in SB Series

- ◇ Best versus frequency-extension to size ratio
- ◇ Hi efficiency
- ◇ Better cooling

MVC™ and Coaxial technologies used in MQ and MA Series

- ◇ Point source, regular spatial response, perfect acoustic field
- ◇ Better cooling, lo thermal compression in any working position

CLS™, MVC™ and Coaxial technologies used in CL Series

- ◇ True line source system
- ◇ Point source, regular spatial response, perfect acoustic field
- ◇ Better cooling, lo thermal compression in any working position

SHM™ and line source technologies used in LA Series

- ◇ True line source system
- ◇ Low distortion at hi SPL
- ◇ Perfectly coherent arrays controlling vertical opening



Products line

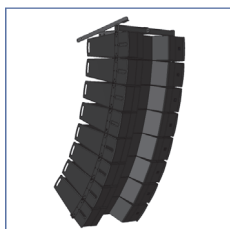
Compact

Multi Application

High Quality

The key to sound

LA series



Three way line source system

Lotusline Line Array series are based on the latest electro acoustics developments and include SHM™ and SIC™ proprietary technology.

Applications

Lotusline LA series are intended for daily use in touring companies, as well as for permanent installation in theatres, congress centres or arenas.

CL series



Two way coaxial line system

Lotusline CL series are based on the latest electro acoustics developments and include new CLS™ and MVC™ proprietary technology.

Applications

Lotusline CL series are ideal for fixed installation can be used in medium power front-of-house (FOH) applications for theatres, congress centres, clubs, multi-purpose venues or corporate events.

MQ series



Two way coaxial system

The Lotusline MQ series are based on the latest electro acoustics developments and include MVC™ proprietary technology.

Applications

Lotusline MQ series are ideal for distributed sound reinforcement and can be used in medium power front-of-house (FOH) applications for theatres, clubs, multi-purpose venues or corporate events and monitoring applications.

MA series



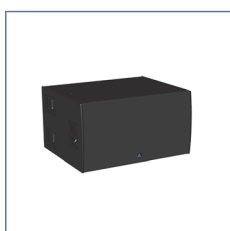
Two way coaxial system

The Lotusline MA series are based on the latest electro acoustics developments and include MVC™ proprietary technology.

Applications

Lotusline MA series are ideal for distributed sound reinforcement and can be used in medium power front-of-house (FOH) applications for theatres, clubs, multi-purpose venues or corporate events and monitoring applications.

SB & SW series



High power subwoofer system

Lotusline SB & SW series are based on the latest electro acoustics developments and include SIC™ proprietary technology.

Applications

Lotusline SB & SW series provide a very dynamic, punchy and realistic sound reproduction for the sound effects that are commonly found in electronic music where the whole dynamic capacity of systems is used.



- Three way line source system
- Two 10 inch bass driver
One 8 inch midrange driver
Two compression neodymium planar wave driver
- SHM™ collinear arrangement
- 60° horizontal coverage and 0° to 10° vertical coverage
- Dispersion controlled from 250 Hz
- Designed for high performance fixed installation and touring
- OEM factory presets for approved digital processors

Technology

Lotusline LA series are based on the latest electro acoustics developments and include **SHM™** and **SIC™** proprietary technology.

SHM™ (Single Horn loaded Midrange) improve dramatically midrange bandwidth and efficiency by avoiding multiple components dispersion and using collinear mid and hi frequency horns layout.

First line array uses mid drivers on plane baffle. Small improvements in efficiency have been made by using compression load midrange directly in the front common waveguide, but creating irregularities in frequency response, and dispersion in characteristics due to the multiplication of components. Actually, coaxial midrange equipped with rear standard HF driver is used in common acoustic chamber imposing a long path to high frequency waves. Lotusline Line Array uses the shortest possible design by positioning the toroidal HF drivers in front of the midrange driver.

SHM™ technology reduces the total harmonic distortion both in high frequencies by minimizing the length of waveguides and in low mid by increasing the radiating surface of the driver.

Lotusline Line Array are high efficiency systems, thanks to the entirely horn loaded design, and the use of the best modern European custom build transducers. Combined with the true line source design of Lotusline Line Array, high sound pressure levels can be obtained in long far field with the best tonal balance on the whole system coverage.

Applications

Lotusline LA10v2 are line array modules designed for variable curvature vertical tangent array, able build long throw line sources.

The 60° horizontal coverage and 0° to 10° vertical coverage offer the sound designer the best versatility for any precisely designed installation.

Lotusline LA10v2 are completely compatible with Lotusline subwoofers series and can be stacked directly on anyone.

The new Lotusline LA series three points hanging compression mechanism also reduces needed floor surface and saves installation time due to the straight vertical array configuration used during setup. The final curvature is quickly and easily obtained when the system is on its working position. By releasing the compression on the rear point, Lotusline Line Array returns to the straight vertical position in a few seconds and is ready for a fast disassembly.

Due to its exceptional sound quality, its power capacity, and its fast and easy rigging, Lotusline Line Array series are intended for daily use in touring companies, as well as for permanent installation in theatres, congress centres or arenas.

FEATURES	Low Section	Mid Section	High Section
Frequency range (± 3 dB)	65 Hz to 400 Hz	200 Hz to 1500 Hz	1200 Hz to 19 kHz
Sensitivity@1W/1m, $f > 80$ Hz ¹	105 dB SPL	106 dB SPL	113 dB SPL
Maximum continuous level at 1m ²	132 dB SPL	129 dB SPL	135 dB SPL
Peak level at 1m, $f > 65$ Hz	138 dB SPL	135 dB SPL	141 dB SPL
Nominal impedance	2 x 16 Ohms	16 Ohms	32 Ohms
Nominal horizontal coverage @ -6dB ³	60°		
Unit nominal vertical coverage @ -6dB ³	0° to 10° (0°, 0.5°, 1°, 1.6°, 2.6°, 4.2°, 6.7°, 8.5°, 10°, inter-enclosure angles)		

COMPONENTS

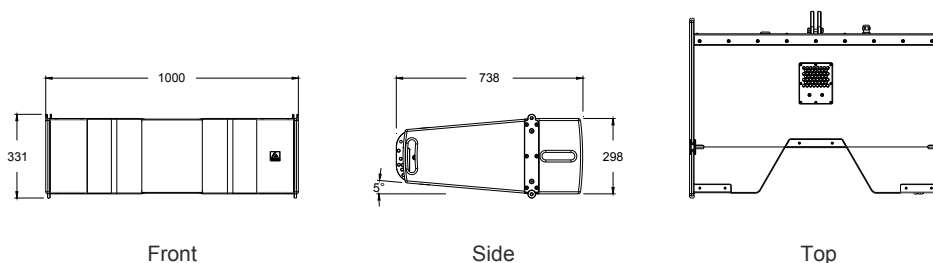
Transducers	2 x 10" weatherproof loudspeakers	1 x 8" weatherproof loudspeaker	2 x 1" HF toroidal drivers
Coil diameter	77 mm	45 mm	44.4 mm
Type of load	SIC™ Bass reflex	SHM™ horn	SHM™ horn

POWER

Recommended amps into 8 Ohms	300 to 800 W	200 to 500 W	100 to 300W
Peak	2000 W	800 W	900 W
AES	500 W	200 W	160 W

CONSTRUCTION AND CHARACTERISTICS

Cabinet	18mm birch plywood with internal reinforcements
Crossover	Factory presets
Finish	Black, impact resistant structured coating
Protection grill	Acoustically transparent perforated steel, 1.8mm thick
Front face	Black, woven, heavy duty fabric
Connectors ⁴	50cm link cable, 1 x Speakon NL8MP
Handles	4 wood integrated handles
Rigging	Proprietary 3 points compression system
Dimensions (H x W x D)	331 x 1000 x 738 mm
Net unit weight	58 kg 127.7 lb
Gross weight, packed	62.3 kg 137.3 lb



1. Sensitivity is the average SPL measured over the components rated bandwidth. LA series sensitivity are given for a minimum line of four units.
2. Power rating displays the long term AES power handling capacity using pink noise with a 6 dB crest factor over the components rated bandwidth
3. Directivity is averaged over the frequency range.
4. The SPEAKON connectors are wired as follow : LF1: hot pin 1+, cold pin 1-, LF2: hot pin 2+, cold pin 2-, MF: hot pin 3+, cold pin 3-, HF: hot pin 4+, cold pin 4-.

LIMITED WARRANTY

Lotusline loudspeakers and electronics are covered against defects in workmanship or materials for a period of two (2) years from the original date of purchase. At the option of Lotusline, the defective item will be repaired/replaced with no charge for materials/labor. The item is to be adequately packaged and dispatched, pre-paid, to a Lotusline authorized distributor/service center. Unauthorized repair shall void the warranty. This Lotusline warranty does not cover cosmetics or finish and does not apply to any items which in Lotusline's opinion have failed due to user abuse, accidents, modifications or any type of misuse.

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- Three way line source system
- Two 10 inch bass driver
One 8 inch Midrange driver
Two compression neodymium planar wave driver
- SHM™ Collinear arrangement
- 100° horizontal coverage and 10° to 20° vertical coverage
- Dispersion controlled from 250 Hz
- Designed for high performance fixed installation and touring
- OEM factory presets for approved digital processors

Technology

Lotusline LA series are based on the latest electro acoustics developments and include **SHM™** proprietary technology.

SHM™ (Single Horn loaded Midrange) improve dramatically midrange bandwidth and efficiency by avoiding multiple components dispersion and using collinear mid and hi frequency horns layout.

First line array uses mid drivers on plane baffle. Small improvements in efficiency have been made by using compression load midrange directly in the front common waveguide, but creating irregularities in frequency response, and dispersion in characteristics due to the multiplication of components. Actually, coaxial midrange equipped with rear standard HF driver is used in common acoustic chamber imposing a long path to high frequency waves. Lotusline Line Array uses the shortest possible design by positioning the toroidal HF drivers in front of the midrange driver.

SHM™ technology reduces the total harmonic distortion both in high frequencies by minimizing the length of waveguides and in low mid by increasing the radiating surface of the driver.

Lotusline Line Array are high efficiency systems, thanks to the entirely horn loaded design, and the use of the best modern European custom build transducers. Combined with the true line source design of Lotusline Line Array, high sound pressure levels can be obtained in long far field with the best tonal balance on the whole system coverage.

Applications

Lotusline LA20v2 are line array modules designed for variable curvature vertical tangent array as well as horizontal constant curvature horizontal tangent array.

Designed to build medium throw line sources, the 100° horizontal coverage and 10° to 20° vertical coverage of LA20v2 perfectly complement LA10v2 line sources for downfill.

Composite arrangements of LA10v2 and LA20v2 are the best solution to cover any large audience area homogeneously.

Lotusline LA20v2 are completely compatible with Lotusline subwoofers series and can be stacked directly on anyone.

Due to its exceptional sound quality, its power capacity, and its fast and easy rigging, Lotusline Line Array series are intended for daily use in touring companies, as well as for permanent installation in theatres, congress centres or arenas.

FEATURES	Low Section	Mid Section	High Section
Frequency range (± 3 dB)	65 Hz to 400 Hz	200 Hz to 1500 Hz	1200 Hz to 19 kHz
Sensitivity@1W/1m, $f > 80$ Hz ¹	105 dB SPL	106 dB SPL	111 dB SPL
Maximum continuous level at 1m ²	132 dB SPL	129 dB SPL	133 dB SPL
Peak level at 1m, $f > 65$ Hz	138 dB SPL	135 dB SPL	138 dB SPL
Nominal impedance	2 x 16 Ohms	16 Ohms	32 Ohms
Nominal horizontal coverage @ -6dB ³	100°		
Unit nominal vertical coverage @ -6dB ³	10° to 20° (10°, 11°, 15°, 20°, inter-enclosure angles)		

COMPONENTS

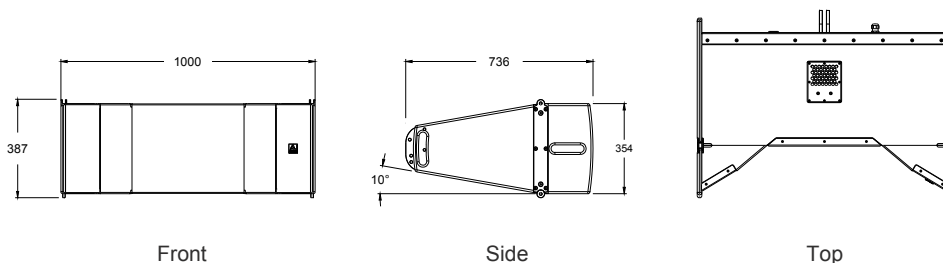
Transducers	2 x 10" weatherproof loudspeakers	1 x 8" weatherproof loudspeaker	2 x 1" HF toroidal drivers
Coil diameter	77 mm	45 mm	44.4 mm
Type of load	SIC™ Bass reflex	SHM™ horn	SHM™ horn

POWER

Recommended amps into 8 Ohms	300 to 800 W	200 to 500 W	100 to 300W
Peak	2000 W	800 W	900 W
AES	500 W	200 W	160 W

CONSTRUCTION AND CHARACTERISTICS

Cabinet	18mm birch plywood with internal reinforcements
Crossover	Factory presets
Finish	Black, impact resistant structured coating
Protection grill	Acoustically transparent perforated steel, 1.8mm thick
Front face	Black, woven, heavy duty fabric
Connectors ⁴	50cm link cable, 1 x Speakon NL8MP
Handles	4 wood integrated handles
Rigging	Proprietary 3 points compression system
Dimensions (H x W x D)	387 x 1000 x 736 mm
Net unit weight	57.6 kg 127.0 lb
Gross weight, packed	61.9 kg 136.5 lb



1. Sensitivity is the average SPL measured over the components rated bandwidth. LA series sensitivity are given for a minimum line of four units.
2. Power rating displays the long term AES power handling capacity using pink noise with a 6 dB crest factor over the components rated bandwidth
3. Directivity is averaged over the frequency range.
4. The SPEAKON connectors are wired as follow : LF1: hot pin 1+, cold pin 1-, LF2: hot pin 2+, cold pin 2-, MF: hot pin 3+, cold pin 3-, HF: hot pin 4+, cold pin 4-.

LIMITED WARRANTY

Lotusline loudspeakers and electronics are covered against defects in workmanship or materials for a period of two (2) years from the original date of purchase. At the option of Lotusline, the defective item will be repaired/replaced with no charge for materials/labor. The item is to be adequately packaged and dispatched, pre-paid, to a Lotusline authorized distributor/service center. Unauthorized repair shall void the warranty. This Lotusline warranty does not cover cosmetics or finish and does not apply to any items which in Lotusline's opinion have failed due to user abuse, accidents, modifications or any type of misuse.

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LA System

Fly rigging accessories

The key to sound



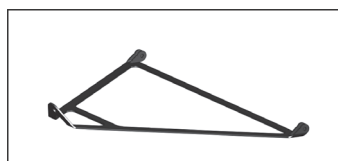
■ LAT1000FS

Rigging bumper for flying or stacking a LA array in the vertical orientation



■ LAT1000F

Rigging bumper for flying a LA array in the vertical orientation



■ LAT1000R

Rigging bumper for flying a LA array in the vertical orientation



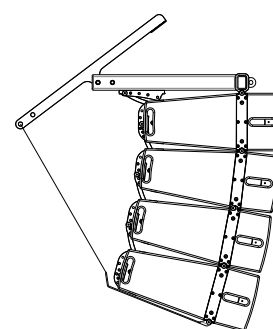
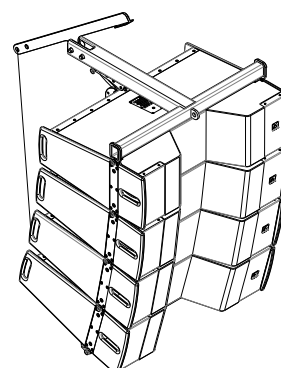
■ LACO2

Connection plate 2U mono
2 x 12 pin signal connectors
2 x Neutrik NL8MP Speakon connectors
8 x Neutrik NL4MP Speakon connectors



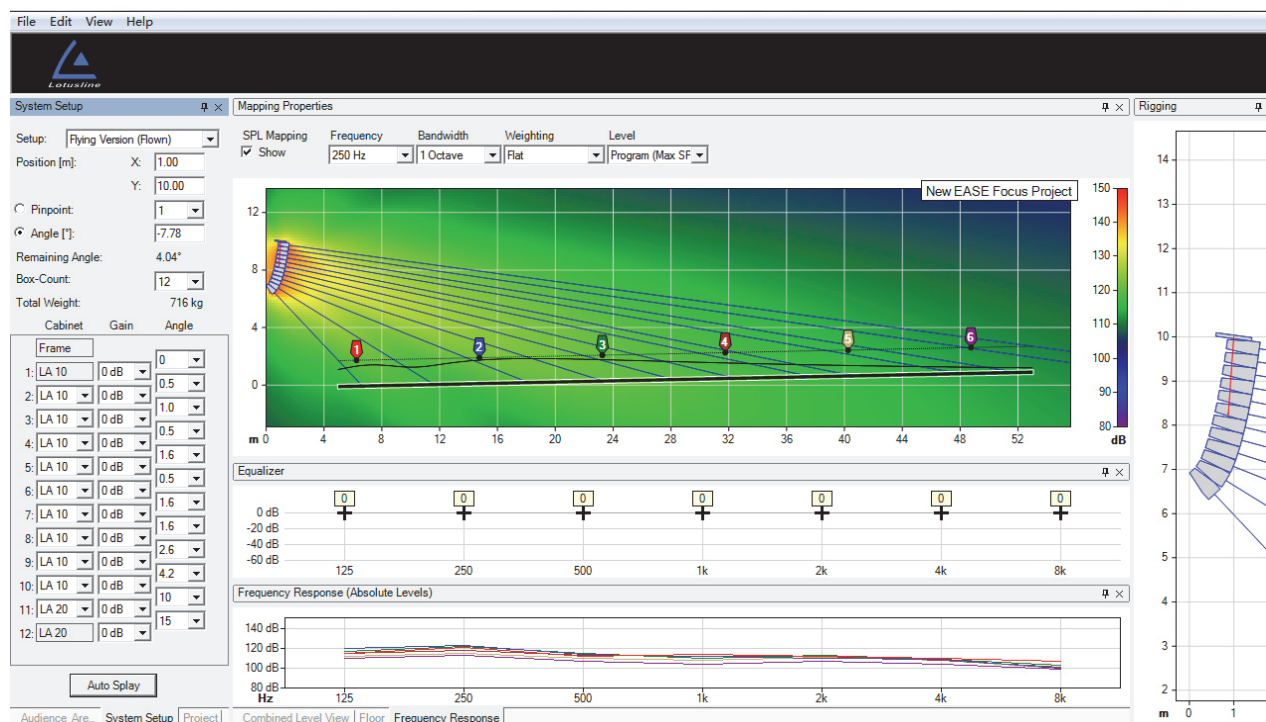
■ LAQRP

Ball lock pin for flying or stacking



Software

LA-System EASE Focus V1.6

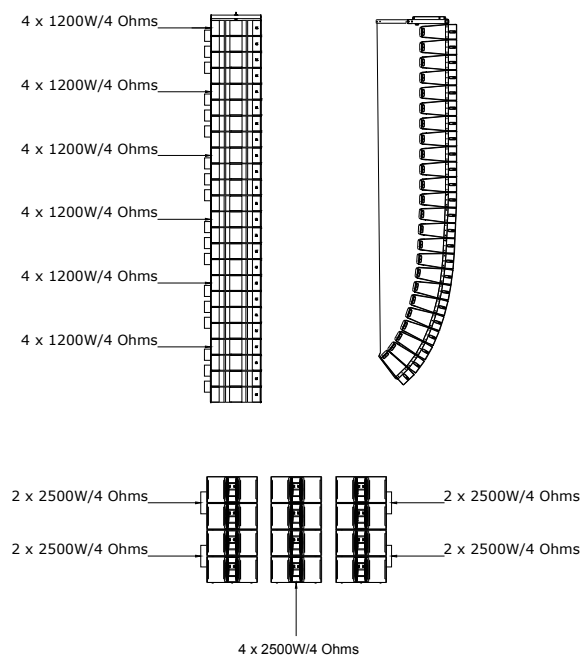


LA System Application

The key to sound

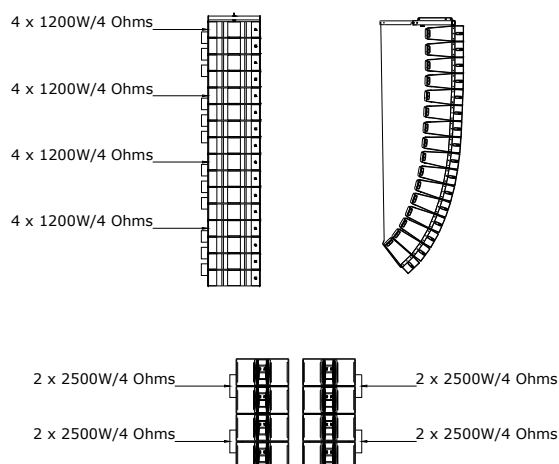
■ Application

24 x LA10 line source array, 12 x SB218S Subwoofer for Larger Venues



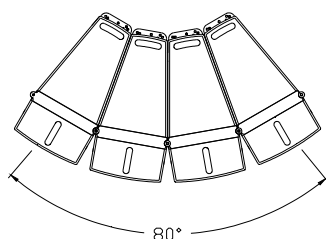
■ Application

16 x LA10 line source array, 8 x SB218S Subwoofer for Medium to Larger Venues



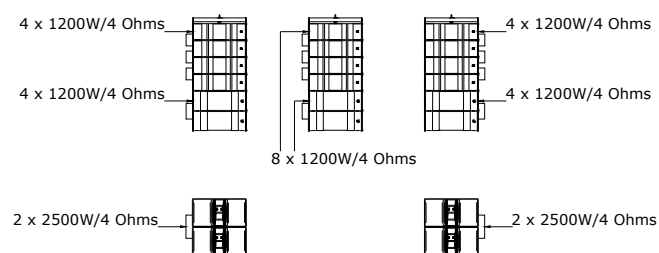
■ Application

4 x LA20 application for horizontal line source array



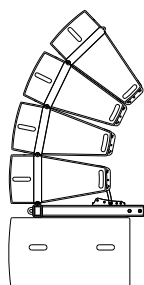
■ Application

16 x LA10 line source array, 6 x LA20 line source array, 4 x SB218S Subwoofers - L-C-R for Theatre or FOH



■ Application

2 x LA10 cabinets, 2 x LA20 cabinets, 1 x SB218S Subwoofer for stack system



CL Series

CL 16 Coaxial line source system



The key to sound



- Compact two way coaxial line source system
- One 10 inch coaxial driver
One 1 inch throat compression driver
- CLS™ collinear arrangement
- Usable unitary or arrayed
- 100° horizontal coverage and 0° to 16° vertical coverage
- Vertical or horizontal arrangement
- Designed for high performance fixed installation and touring
- OEM factory presets for approved digital processors

Technology

Lotusline CL series are compact but high power systems, they include MVC™ technology and the new **CLS™** Lotusline proprietary technology.

CLS™ technology, Coaxial Line Source is the definitive solution for two way configuration line source symmetrical array systems.

Standard two way line source arrays using only one low frequency driver are asymmetrical cabinets, **CLS™** based Lotusline CL series are symmetrical and optimized minimum front baffle sized.

CLS™ technology offers all advantages of coaxial active horn arrangement applied to line source array systems. It means, minimum front baffle size, perfect symmetry of the baffle and so, perfect symmetry of the coverage.

Lotusline CL series uses **CLS™** technology, increasing the efficiency in low mid region, shaping the wavefront from spherical to ovoid and increasing consequently the maximum crossover frequency in vertical coupling.

CLS™ technology is a major improvement for two way line source array design.

Applications

The CL16 is designed for fixed installation and touring sound. Can be used one by one in distributed configuration as well as coupled up to twenty four depending on the coverage angle needed.

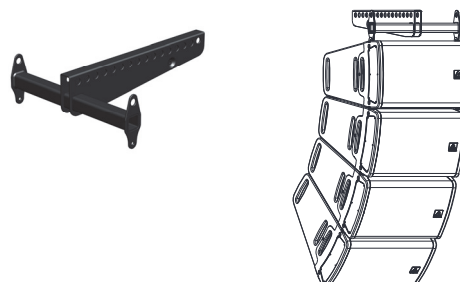
The integrated rigging system allows vertical and horizontal coupling.

A minimum quantity of cabinets is used to cover large areas in mid throw installations like:

Performing arts centers, theatres, churches and touring sound reinforcement for mid-sized venues.

Rigging accessories

CL16FM01



FEATURES	Low Section	High Section
Frequency range with processor (± 3 dB)	60 Hz to 1100 Hz	1100 Hz to 20 kHz
Frequency range without processor (± 3 dB)	70 Hz to 1100 Hz	1100 Hz to 20 kHz
Sensitivity@1W/1m, $f > 80$ Hz ¹	98 dB SPL	110 dB SPL
Maximum continuous level at 1m, $f > 80$ Hz ²	123 dB SPL	129 dB SPL
Peak level at 1m, $f > 65$ Hz	129 dB SPL	133 dB SPL
Nominal horizontal coverage @ -6dB ³	100°	
Unit nominal vertical coverage @ -6dB ³	0° to 16° (0°, 1°, 2°, 3°, 4°, 5°, 6°, 8°, 10°, 12°, 14°, 16°, inter-enclosure angles)	
Nominal impedance	8 Ohms	16 Ohms

COMPONENTS

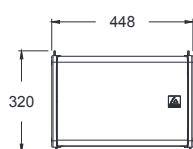
Transducers	1 x 10" coaxial driver weatherproof	1 x 1" throat compression driver coaxially mounted
Coil diameter	75 mm	45 mm
Type of load	MVC™ Bass reflex	Arrayable horn

POWER

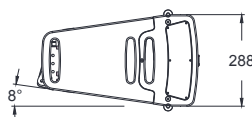
Recommended amps	400 to 800 W into 8 Ohms	
Peak	900 W	200 W
AES	300 W	80 W

CONSTRUCTION AND CHARACTERISTICS

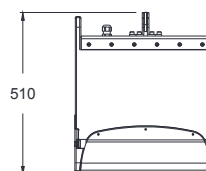
Cabinet	18mm birch plywood with internal reinforcements
Crossover	Factory presets
Finish	Black, impact resistant structured coating
Protection grill	Acoustically transparent perforated steel, 1.8mm thick
Front face	Black, woven, heavy duty fabric
Connectors ⁴	35cm link cable, 1 x Speakon NL4MP
Handles	4 wood integrated handles
Rigging	Proprietary 3 points flying system
Dimensions (H x W x D)	320 x 448 x 510 mm
Net unit weight	23.6 kg 51.9 lb
Gross weight, packed	27.2 kg 59.8 lb



Front



Side



Top

1. Sensitivity is the average SPL measured over the components rated bandwidth. LA series sensitivity are given for a minimum line of four units.

2. Power rating displays the long term AES power handling capacity using pink noise with a 6 dB crest factor over the components rated bandwidth

3. Directivity is averaged over the frequency range.

4. The SPEAKON connectors are wired as follow : LF: hot pin 1 +, cold pin 1 -, HF: hot pin 2 +, cold pin 2 -

LIMITED WARRANTY

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CL Series

CL 3040 Coaxial line source system



The key to sound



- Two way coaxial line source system
- One 15 inch coaxial driver
One 1.4 inch throat neodymium compression driver
- CLS™ collinear arrangement
- Usable unitary or arrayed
- 30° to 40° horizontal coverage and 90° vertical coverage
- Vertical or horizontal arrangement
- Designed for high performance fixed installation and touring
- OEM factory presets for approved digital processors

Features

The Lotusline CL3040 loudspeaker cabinets provide a versatile system designed for high quality coupled or distributed sound reinforcement in high performance fixed installation.

The CL3040 is a compact but high power system including MVC™ technology and the new **CLS™** Lotusline proprietary technology.

CLS™ (Coaxial Line Source) technology, is the definitive solution for two way configuration line source symmetrical array systems.

Standard two way line source arrays using only one low frequency driver are asymmetrical cabinets, **CLS™** based Lotusline CL series are symmetrical and optimized minimum front baffle sized.

CLS™ technology offers all advantages of coaxial active horn arrangement applied to line source array systems. It means, minimum front baffle size, perfect symmetry of the baffle and so, perfect symmetry of the coverage.

Lotusline CL series uses **CLS™** technology, increasing the efficiency in low mid region, shaping the wavefront from spherical to ovoid and increasing consequently the maximum crossover frequency in vertical coupling.

CLS™ technology is a major improvement for two way line source array design.

The CL3040 is an active two-way loudspeaker system. The low-mid section comprises a 15 inch coaxial driver loaded by a 4th order MVC™ bass reflex enclosure. The high section includes a 1.4 inch throat neodymium high frequency compression driver mounted on **CLS™** waveguide that provides an 30° to 40° horizontal coverage and 90° vertical coverage.

Applications

The CL3040 is a high power two way coaxial line source system, designed for fixed installation. Can be used one by one in distributed configuration as well as coupled up to four depending on the coverage angle needed.

The integrated rigging system allows vertical and horizontal coupling.

A minimum quantity of cabinets is used to cover large areas in mid throw installations like:

Central cluster for concert halls, theater and side systems for music and spatial effects.

Main FOH for stage in clubs, side fills and distributed PA.

Rigging accessories

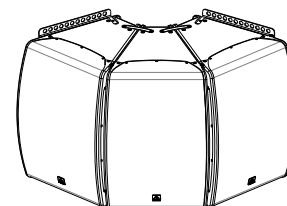
CL3040FM01



CL3040FM02



CL3040FM03



FEATURES	Low Section	High Section
Frequency range with processor (± 3 dB)	60 Hz to 1100 Hz	1100 Hz to 20 kHz
Frequency range without processor (± 3 dB)	65 Hz to 1100 Hz	1100 Hz to 20 kHz
Sensitivity@1W/1m, $f > 80$ Hz ¹	100 dB SPL	112 dB SPL
Maximum continuous level at 1m, $f > 80$ Hz ²	127 dB SPL	132 dB SPL
Peak level at 1m, $f > 65$ Hz	133 dB SPL	136 dB SPL
Nominal horizontal coverage @ -6dB ³	30° to 40° (30°, 35°, 40°, presets)	
Nominal vertical coverage @ -6dB ³	90°	
Nominal impedance	8 Ohms	16 Ohms

COMPONENTS

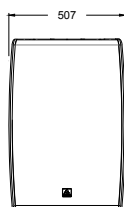
Transducers	1 x 15" coaxial driver weatherproof	1 x 1.4" throat neodymium compression driver coaxially mounted
Coil diameter	75 mm	75 mm
Type of load	MVC™ Bass reflex	Arrayable horn

POWER

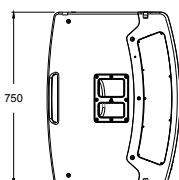
Recommended amps	400 to 800 W into 8 Ohms	
Peak	1500 W	300 W
AES	500 W	120 W

CONSTRUCTION AND CHARACTERISTICS

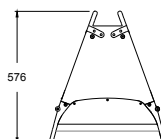
Cabinet	18mm birch plywood with internal reinforcements
Crossover	Factory presets
Finish	Black, impact resistant structured coating
Protection grill	Acoustically transparent perforated steel, 1.8mm thick
Front face	Black, woven, heavy duty fabric
Connectors ⁴	2 x Speakon NL4MP
Handles	2 x Aluminium integrated handles
Rigging	Proprietary system
Dimensions (H x W x D)	750 x 507 x 576 mm
Net unit weight	41.5 kg 91.3 lb
Gross weight, packed	45.5 kg 100.1 lb



Front



Side



Top

1. Sensitivity is the average SPL measured over the components rated bandwidth. LA series sensitivity are given for a minimum line of four units.

2. Power rating displays the long term AES power handling capacity using pink noise with a 6 dB crest factor over the components rated bandwidth

3. Directivity is averaged over the frequency range.

4. The SPEAKON connectors are wired as follow : LF: hot pin 1 +, cold pin 1 -, HF: hot pin 2 +, cold pin 2 -

LIMITED WARRANTY

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CL Series

CL 40 Coaxial line source system



The key to sound



- Two way coaxial line source system
- One 15 inch coaxial driver
One 1.4 inch throat neodymium compression driver
- CLS™ collinear arrangement
- Usable unitary or arrayed
- 40° horizontal coverage and 90° vertical coverage
- Vertical or horizontal arrangement
- Designed for high performance fixed installation and touring
- OEM factory presets for approved digital processors

Features

The Lotusline CL40 loudspeaker cabinets provide a versatile system designed for high quality coupled or distributed sound reinforcement in high performance fixed installation.

The CL40 is a compact but high power system including MVC™ technology and the new CLS™ Lotusline proprietary technology.

CLS™ (Coaxial Line Source) technology, is the definitive solution for two way configuration line source symmetrical array systems.

Standard two way line source arrays using only one low frequency driver are asymmetrical cabinets, **CLS™** based Lotusline CL series are symmetrical and optimized minimum front baffle sized.

CLS™ technology offers all advantages of coaxial active horn arrangement applied to line source array systems. It means, minimum front baffle size, perfect symmetry of the baffle and so, perfect symmetry of the coverage.

Lotusline CL series uses **CLS™** technology, increasing the efficiency in low mid region, shaping the wavefront from spherical to ovoid and increasing consequently the maximum crossover frequency in vertical coupling.

CLS™ technology is a major improvement for two way line source array design.

The CL40 is an active two-way loudspeaker system. The low-mid section comprises a 15 inch coaxial driver loaded by a 4th order MVC™ bass reflex enclosure. The high section includes a 1.4 inch throat neodymium high frequency compression driver mounted on **CLS™** waveguide that provides an 40° horizontal coverage and 90° vertical coverage.

Applications

The CL40 is a high power two way coaxial line source system, designed for fixed installation. Can be used one by one in distributed configuration as well as coupled up to four depending on the coverage angle needed.

The integrated rigging system allows vertical and horizontal coupling.

A minimum quantity of cabinets is used to cover large areas in mid throw installations like:

Central cluster for concert halls, theater and side systems for music and spatial effects.

Main FOH for stage in clubs, side fills and distributed PA.

Rigging accessories

CL40FM01



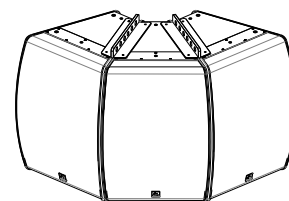
CL40FM02



CL40FM03



CL40FM04



FEATURES	Low Section	High Section
Frequency range with processor (± 3 dB)	55 Hz to 1100 Hz	1100 Hz to 20 kHz
Frequency range without processor (± 3 dB)	65 Hz to 1100 Hz	1100 Hz to 20 kHz
Sensitivity@1W/1m, $f > 80$ Hz ¹	100 dB SPL	110 dB SPL
Maximum continuous level at 1m, $f > 80$ Hz ²	127 dB SPL	130 dB SPL
Peak level at 1m, $f > 65$ Hz	133 dB SPL	134 dB SPL
Nominal horizontal coverage @ -6dB ³	40°	
Nominal vertical coverage @ -6dB ³	90°	
Nominal impedance	8 Ohms	16 Ohms

COMPONENTS

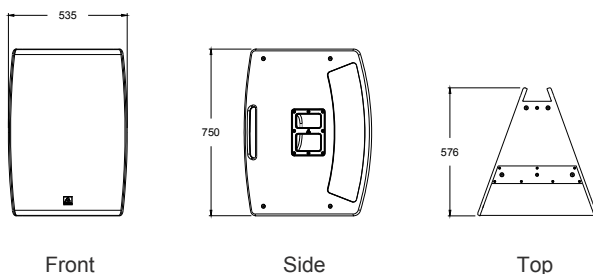
Transducers	1 x 15" coaxial driver weatherproof	1 x 1.4" throat neodymium compression driver coaxially mounted
Coil diameter	75 mm	75 mm
Type of load	MVC™ Bass reflex	Arrayable horn

POWER

Recommended amps	400 to 800 W into 8 Ohms	
Peak	1500 W	250 W
AES	500 W	100 W

CONSTRUCTION AND CHARACTERISTICS

Cabinet	18mm birch plywood with internal reinforcements
Crossover	Factory presets
Finish	Black, impact resistant structured coating
Protection grill	Acoustically transparent perforated steel, 1.8mm thick
Front face	Black, woven, heavy duty fabric
Connectors ⁴	2 x Speakon NL4MP
Handles	2 x Aluminium integrated handles
Rigging	Proprietary system
Dimensions (H x W x D)	750 x 535 x 576 mm
Net unit weight	38.2 kg 80.1 lb
Gross weight, packed	42.2 kg 92.8 lb



1. Sensitivity is the average SPL measured over the components rated bandwidth. LA series sensitivity are given for a minimum line of four units.
2. Power rating displays the long term AES power handling capacity using pink noise with a 6 dB crest factor over the components rated bandwidth
3. Directivity is averaged over the frequency range.
4. The SPEAKON connectors are wired as follow : LF: hot pin 1 +, cold pin 1 -, HF: hot pin 2 +, cold pin 2 -

LIMITED WARRANTY

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CL Series

CL 40T Coaxial line source system



The key to sound



- Two way coaxial line source system
- One 15 inch coaxial driver
One 1.4 inch throat neodymium compression driver
- CLS™ collinear arrangement
- 40° horizontal coverage and 90° vertical coverage
- Usable unitary or arrayed
- Vertical or horizontal arrangement
- Integrated passive crossover optimized for security applications
- OEM factory presets for approved digital processors

Features

The Lotusline CL40T loudspeaker cabinets provide a versatile system designed for high quality coupled or distributed sound reinforcement in high performance fixed installation.

The CL40T is a compact but high power system including MVC™ technology and the new **CLS™** Lotusline proprietary technology.

CLS™ (Coaxial Line Source) technology, is the definitive solution for two way configuration line source symmetrical array systems.

Standard two way line source arrays using only one low frequency driver are asymmetrical cabinets, **CLS™** based Lotusline CL series are symmetrical and optimized minimum front baffle sized.

CLS™ technology offers all advantages of coaxial active horn arrangement applied to line source array systems. It means, minimum front baffle size, perfect symmetry of the baffle and so, perfect symmetry of the coverage.

Lotusline CL series uses **CLS™** technology, increasing the efficiency in low mid region, shaping the wavefront from spherical to ovoid and increasing consequently the maximum crossover frequency in vertical coupling.

CLS™ technology is a major improvement for two way line source array design.

The CL40T is a two-way loudspeaker system with integrated crossover and 100V transformer. The low-mid section comprises a 15 inch coaxial driver loaded by a 4th order MVC™ bass reflex enclosure. The high section includes a 1.4 inch throat neodymium high frequency compression driver mounted on **CLS™** waveguide that provides an 40° horizontal coverage and 90° vertical coverage.

The Lotusline CL40T crossovers are built with air core inductors, MKP capacitors and wirewound resistors.

Applications

Lotusline CL40T is ideal for fixed installation. Can be used one by one in distributed configuration as well as coupled up to four depending on the coverage angle needed. The integrated rigging system allows vertical and horizontal coupling.

A minimum quantity of cabinets is used to cover large areas in mid throw installations like;

With IP54 classification, 700V insulation, 100V transformer, two power handling, the CL40T is particularly suitable for deported security installation in large open public spaces.

Rigging accessories

CL40FM01



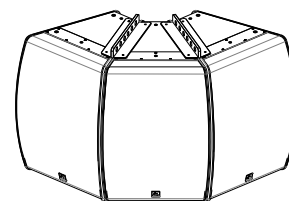
CL40FM02



CL40FM03



CL40FM04



FEATURES	Low Section	High Section
Frequency range with processor (± 3 dB)	60 Hz to 1100 Hz	1100 Hz to 20 kHz
Frequency range without processor (± 3 dB)	75 Hz to 1100 Hz	1100 Hz to 20 kHz
Sensitivity@1W/1m, $f > 80$ Hz ¹	99 dB SPL	109 dB SPL
Maximum continuous level at 1m, $f > 80$ Hz ²	127 dB SPL	
Peak level at 1m, $f > 65$ Hz	132 dB SPL	
Nominal horizontal coverage @ -6dB ³	40°	
Nominal vertical coverage @ -6dB ³	90°	
Nominal input	100V 125W-250W	

COMPONENTS

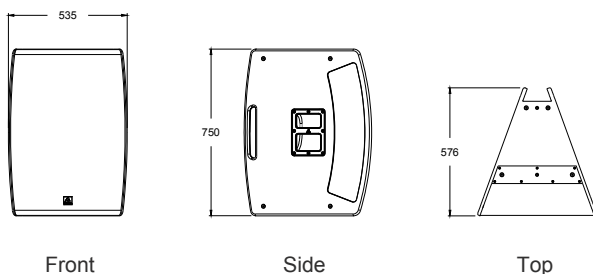
Transducers	1 x 15" coaxial driver weatherproof	1 x 1.4" throat neodymium compression driver coaxially mounted
Coil diameter	75 mm	72 mm
Type of load	MVC™ Bass reflex	Arrayable horn

POWER

Recommended amps	400 to 800 W into 8 Ohms
Peak	1500 W
AES	600 W

CONSTRUCTION AND CHARACTERISTICS

Cabinet	18mm birch plywood with internal reinforcements
Crossover	Internal passive network
Finish	Black, impact resistant structured coating
Protection grill	Acoustically transparent perforated steel, 1.8mm thick
Front face	Black, woven, heavy duty fabric
Connectors ⁴	2 x Waterproof cable glands, 700V insulated terminal
Handles	2 x Aluminium integrated handles
Classification	IP54
Rigging	Proprietary system
Dimensions (H x W x D)	750 x 535 x 576 mm
Net unit weight	40 kg 88 lb
Gross weight, packed	43 kg 94.6 lb



1. Sensitivity is the average SPL measured over the components rated bandwidth. LA series sensitivity are given for a minimum line of four units.
 2. Power rating displays the long term AES power handling capacity using pink noise with a 6 dB crest factor over the components rated bandwidth
 3. Directivity is averaged over the frequency range.

LIMITED WARRANTY

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- Coaxial technology
- Active or passive two way system
- True point source
- Conical 60° waveguide
- Increasing controlled directivity
- MVC™ bass-reflex cooling
- Full power handling with low thermal compression
- Suitable for medium-power FOH and side fill applications
- Designed for high performance fixed installation and touring or stage monitoring
- OEM factory presets for approved digital processors

Features

The Lotusline MQ60 loudspeaker cabinets provide a versatile system designed for high quality distributed sound reinforcement in high performance fixed installation or stage monitoring. Using true point source coaxial technology and increasing directivity design, the MQ60 offers a full coverage free of lobbing effects inside and outside the coverage angles.

The coaxial technology combined with increasing controlled directivity design used in the MQ60 is the best solution to recreate true point source with natural sounding behaviour. The MQ60 is the perfect answer to obtain high intelligibility and clarity in semi reverberant acoustic environments.

The MQ60 is a two-way loudspeaker system with integrated crossover. The low-mid section comprises a 15 inch bass driver loaded by a 4th order MVC™ bass reflex enclosure. The high section includes a 1.4 inch throat (3" diaphragm) high frequency compression driver assembled in a coaxial configuration together with the low section loudspeaker providing a conical opening.

The MQ60 provides a coherent acoustic field with 60° conical average coverage.

The MVC™, Multi Vent Convection technology, allows the Lotusline MQ series to handle nominal full power capacity in any working position with minimum thermal compression.

Applications

The MQ60 is meant as a main F.O.H and distributed sound system in big rooms like convention centres, theatres, clubs and multipurpose venues or corporate events.

The 30° and 90° angles, the two integrated handles and the flying system allow the MQ60 to be used for fixed installation as well as stage monitoring application.

The optional accessories for the MQ60 provide this speaker a simple and easy installation; one can put it on the floor, install it on a stand or fly it.

Two MQ60 can be used coupled to increase the SPL and coverage while minimizing destructives interferences.

For music requirement, a dedicated setup for digital optional processor is provided in order to optimise the speaker response.

Combined with Lotusline subwoofers, the MQ60 allows setting up compact and powerful systems suitable for all indoor or outdoor configurations.

Rigging accessories

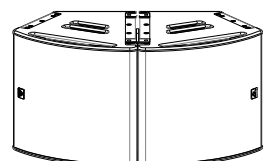
M60FM01



M60FM02



M60FM03



FEATURES	Low Section	High Section
Frequency range with processor (± 3 dB)	55 Hz to 1100 Hz	1100 Hz to 20 kHz
Frequency range without processor (± 3 dB)	65 Hz to 1100 Hz	1100 Hz to 20 kHz
Sensitivity@1W/1m, $f > 80$ Hz ¹	98 dB SPL	113 dB SPL
Maximum continuous level at 1m, $f > 80$ Hz ²	126 dB SPL	130 dB SPL
Peak level at 1m, $f > 65$ Hz	130 dB SPL	134 dB SPL
Nominal directivity @ -6dB ³	60° conical	
Nominal impedance	8 Ohms	16 Ohms

COMPONENTS

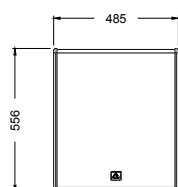
Transducers	1 x 15" weatherproof loudspeaker	1 x 1.4" throat neodymium compression driver coaxially mounted
Coil diameter	75 mm	75 mm
Type of load	MVC™ Bass reflex	Conical Horn

POWER

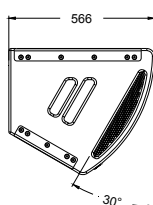
Recommended amps	400 to 800 W into 8 Ohms	
Peak	1500 W	250 W
AES	600 W	100 W

CONSTRUCTION AND CHARACTERISTICS

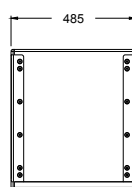
Cabinet	18mm birch plywood with internal reinforcements
Crossover	Passive mode: Internal passive network Active model: Factory presets
Finish	Black, impact resistant structured coating
Protection grill	Acoustically transparent perforated steel, 1.8mm thick
Front face	Black, woven, heavy duty fabric
Connectors ⁴	2 x Speakon NL4MP
Handles	2 wood integrated handles
Rigging	Option flying system
Dimensions (H x W x D)	556 x 485 x 566 mm
Net unit weight	27.5 kg 60.5lb
Gross weight, packed	30.5 kg 67.1lb



Front



Side



Top

1. Sensitivity is the average SPL measured over the components rated bandwidth

2. Power rating displays the long term AES power handling capacity using pink noise with a 6 dB crest factor over the components rated bandwidth

3. Directivity is averaged over the 1000Hz-12 kHz range.

4. The SPEAKON connectors are wired, Passive model: hot pin 2+, cold pin 2- , Active model: LF: hot pin 1 +, cold pin 1 -, HF: hot pin 2 +, cold pin 2 -

LIMITED WARRANTY

Lotusline loudspeakers and electronics are covered against defects in workmanship or materials for a period of two (2) years from the original date of purchase. At the option of Lotusline, the defective item will be repaired/replaced with no charge for materials/labor. The item is to be adequately packaged and dispatched, pre-paid, to a Lotusline authorized distributor/service center. Unauthorized repair shall void the warranty. This Lotusline warranty does not cover cosmetics or finish and does not apply to any items which in Lotusline's opinion have failed due to user abuse, accidents, modifications or any type of misuse.

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MA Series

MA 15v2 Point source system



The key to sound



- Coaxial technology
- Passive two way system
- Single point source
- Conical 90° waveguide
- Natural sound reproduction
- MVC™ bass-reflex cooling
- Full power handling with low thermal compression
- Suitable for medium-power FOH and side fill applications
- Designed for high performance fixed installation and touring or stage monitoring
- OEM factory presets for approved digital processors

Features

The Lotusline MA15v2 loudspeaker enclosures provide a versatile system that is designed for high quality distributed sound reinforcement or high performance monitoring. Using true point source coaxial technology, the Lotusline MA series features advanced components in a flexible, multipurpose format that is suitable for either touring or fixed installation.

The MA15v2 is a passive two-way loudspeaker. The low/mid section comprises a 15 inch bass driver loaded in a 4th order MVC™ enclosure. The hi section includes a 1.4 inch High Frequency compression driver assembled in a coaxial configuration along with the full low section loudspeaker providing a conical opening.

Further advantages of the coaxial approach include: single point source radiation, total wavefront coherency at all frequencies and superimposed LF/HF dispersion characteristics that are free of polar lobbing effects typical of traditional horn and woofer combinations. The net result is natural, studio monitor level sound quality that is ideal for proximity use.

The MA15v2 provides a very coherent acoustic field with 90° conical coverage.

The new MVC™, Multi Vent Convection technology, allows the Lotusline MA series to handle nominal full power capacity in any working position.

The enclosure comprises two angles side, 45° and 60° for stage monitor application and include two 35mm built in stand supports as well as four wood integrated handles and 5 cargo standard rigging points.

The Lotusline MA15v2 crossovers are built with air core inductors, MKP capacitors and wirewound resistors.

The Lotusline MA15v2 apply full power handling with low thermal compression.

Applications

The Lotusline MA15v2 is passive two-way loudspeaker enclosure containing a HF driver assembled in a coaxial configuration along with a full range loudspeaker providing a conical opening. Medium power touring, installed PA for A/V, broadcast, high quality stage monitoring, etc. are the application field of MA15v2.

The great additional options for the MA15v2 provide this speaker a simple and easy installation: one can put it on the floor, install it on a stand or fly it. Walls and ceilings are in its range of installation thanks to its optional lyre brackets and multiple standard fixing points.

As a main F.O.H the MA15v2 is meant for vocal applications, stage monitoring or distributed sound.

Combined with Lotusline subwoofers, the MA15v2 allows to create compact and powerful systems suitable for all indoor or outdoor configuration.

The MA15v2 is also ideal for distributed sound reinforcement and can be used in medium power front-of-house (FOH) applications for theatres, clubs, multi-purpose venues or corporate events.

Rigging accessories

M15U-bracket



FEATURES	Low Section	High Section
Frequency range with processor (± 3 dB)	55 Hz to 1100 Hz	1100 Hz to 20 kHz
Frequency range without processor (± 3 dB)	65 Hz to 1100 Hz	1100 Hz to 20 kHz
Sensitivity@1W/1m, $f > 80$ Hz ¹	100 dB SPL	
Maximum continuous level at 1m, $f > 80$ Hz ²	127 dB SPL	
Peak level at 1m, $f > 65$ Hz	133 dB SPL	
Nominal directivity @ -6dB ³	90° conical	
Nominal impedance	8 Ohms	

COMPONENTS

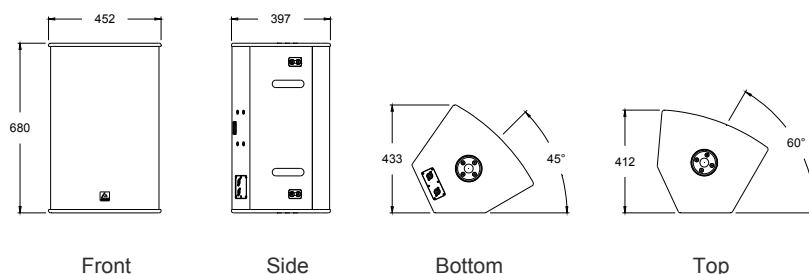
Transducers	1 x 15" weatherproof loudspeaker	1 x 1.4" throat compression driver coaxially mounted
Coil diameter	75 mm	45 mm
Type of load	MVC™ Bass reflex	Conical Horn

POWER

Recommended amps	300 to 800 W into 8 Ohms
Peak	2000 W
AES	500 W

CONSTRUCTION AND CHARACTERISTICS

Cabinet	18mm birch plywood with internal reinforcements
Crossover	Internal passive network
Finish	Black, impact resistant structured coating
Protection grill	Acoustically transparent perforated steel, 1.8mm thick
Front face	Black, woven, heavy duty fabric
Connectors ⁴	4 x Speakon NL4MP
Handles	4 wood integrated handles
Mounting on stand and bracket	2 x 35mm built in stand fitting
Rigging	4 inserts for Omnimount 60 series, 5 standard cargo points
Dimensions (H x W x D)	680 x 452 x 397 mm
Net unit weight	31.5 kg 69.4 lb
Gross weight, packed	34.6 kg 76.3 lb



1. Sensitivity is the average SPL measured over the components rated bandwidth
2. Power rating displays the long term AES power handling capacity using pink noise with a 6 dB crest factor over the components rated bandwidth
3. Directivity is averaged over the 600Hz-12 kHz range.
4. The SPEAKON connectors are wired, hot : pin 2+, cold : pin 2-.

LIMITED WARRANTY

Lotusline loudspeakers and electronics are covered against defects in workmanship or materials for a period of two (2) years from the original date of purchase. At the option of Lotusline, the defective item will be repaired/replaced with no charge for materials/labor. The item is to be adequately packaged and dispatched, pre-paid, to a Lotusline authorized distributor/service center. Unauthorized repair shall void the warranty. This Lotusline warranty does not cover cosmetics or finish and does not apply to any items which in Lotusline's opinion have failed due to user abuse, accidents, modifications or any type of misuse.

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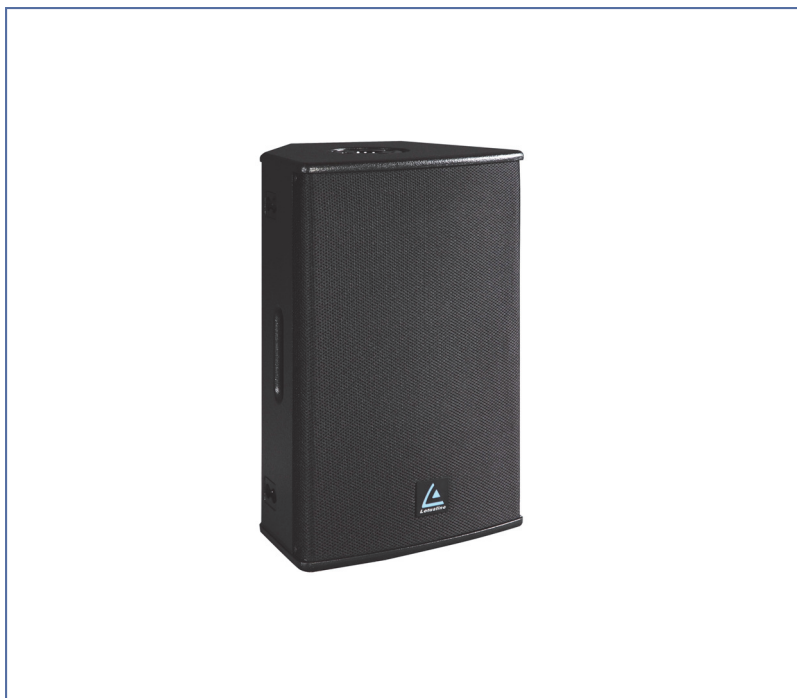
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MA Series



MA 12v2 Point source system

The key to sound



- Coaxial technology
- Passive two way system
- Single point source
- Conical 90° waveguide
- Natural sound reproduction
- MVC™ bass-reflex cooling
- Full power handling with low thermal compression
- Suitable for medium-power FOH and side fill applications
- Designed for high performance fixed installation and touring or stage monitoring
- OEM factory presets for approved digital processors

Features

The Lotusline MA12v2 loudspeaker enclosures provide a versatile system that is designed for high quality distributed sound reinforcement or high performance monitoring. Using true point source coaxial technology, the Lotusline MA series features advanced components in a flexible, multipurpose format that is suitable for either touring or fixed installation.

The MA12v2 is a passive two-way loudspeaker. The low/mid section comprises a 12 inch bass driver loaded in a 4th order MVC™ enclosure. The hi section includes a 1 inch High Frequency compression driver assembled in a coaxial configuration along with the full low section loudspeaker providing a conical opening.

Further advantages of the coaxial approach include: single point source radiation, total wavefront coherency at all frequencies and superimposed LF/HF dispersion characteristics that are free of polar lobbing effects typical of traditional horn and woofer combinations. The net result is natural, studio monitor level sound quality that is ideal for proximity use.

The MA12v2 provides a very coherent acoustic field with 90° conical coverage

The new MVC™, Multi Vent Convection technology, allows the Lotusline MA series to handle nominal full power capacity in any working position.

The enclosure comprises two angles side, 45° and 60° for stage monitor application and include two 35mm built in stand supports as well as four wood integrated handles and 5 cargo standard rigging points.

The Lotusline MA12v2 crossovers are built with air core inductors, MKP capacitors and wirewound resistors.

The Lotusline MA12v2 apply full power handling with low thermal compression.

Applications

The Lotusline MA12v2 is passive two-way loudspeaker enclosure containing a HF driver assembled in a coaxial configuration along with a full range loudspeaker providing a conical opening. Medium power touring, installed PA for A/V, broadcast, high quality stage monitoring, etc. are the application field of MA12v2.

The great additional options for the MA12v2 provide this speaker a simple and easy installation: one can put it on the floor, install it on a stand or fly it. Walls and ceilings are in its range of installation thanks to its optional lyre brackets and multiple standard fixing points.

As a main F.O.H the MA12v2 is meant for vocal applications, stage monitoring or distributed sound.

Combined with Lotusline subwoofers, the MA12v2 allows to create compact and powerful systems suitable for all indoor or outdoor configuration.

The MA12v2 is also ideal for distributed sound reinforcement and can be used in medium power front-of-house (FOH) applications for theatres, clubs, multi-purpose venues or corporate events.

Rigging accessories

M12U-bracket



FEATURES	Low Section	High Section
Frequency range with processor (± 3 dB)	60 Hz to 1100 Hz	1100 Hz to 20 kHz
Frequency range without processor (± 3 dB)	70 Hz to 1100 Hz	1100 Hz to 20 kHz
Sensitivity@1W/1m, $f > 80$ Hz ¹	98 dB SPL	
Maximum continuous level at 1m, $f > 80$ Hz ²	125 dB SPL	
Peak level at 1m, $f > 65$ Hz	131 dB SPL	
Nominal directivity @ -6dB ³	90° conical	
Nominal impedance	8 Ohms	

COMPONENTS

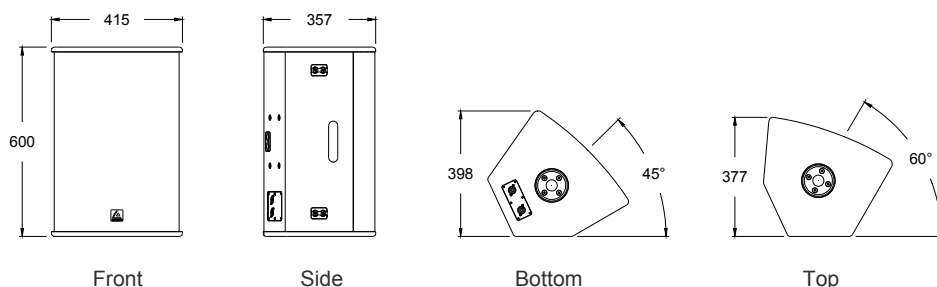
Transducers	1 x 12" weatherproof loudspeaker	1 x 1" throat compression driver coaxially mounted
Coil diameter	77 mm	45 mm
Type of load	MVC™ Bass reflex	Conical Horn

POWER

Recommended amps	200 to 600 W into 8 Ohms
Peak	1500 W
AES	400 W

CONSTRUCTION AND CHARACTERISTICS

Cabinet	18mm birch plywood with internal reinforcements
Crossover	Internal passive network
Finish	Black, impact resistant structured coating
Protection grill	Acoustically transparent perforated steel, 1.8mm thick
Front face	Black, woven, heavy duty fabric
Connectors ⁴	4 x Speakon NL4MP
Handles	2 wood integrated handles
Mounting on stand and bracket	2 x 35mm built in stand fitting
Rigging	4 inserts for Omnimount 60 series, 5 standard cargo points
Dimensions (H x W x D)	600 x 415 x 357 mm
Net unit weight	22 kg 48.4 lb
Gross weight, packed	25 kg 55.0 lb



1. Sensitivity is the average SPL measured over the components rated bandwidth
2. Power rating displays the long term AES power handling capacity using pink noise with a 6 dB crest factor over the components rated bandwidth
3. Directivity is averaged over the 600Hz-12 kHz range.
4. The SPEAKON connectors are wired, hot : pin 2+, cold : pin 2-.

LIMITED WARRANTY

Lotusline loudspeakers and electronics are covered against defects in workmanship or materials for a period of two (2) years from the original date of purchase. At the option of Lotusline, the defective item will be repaired/replaced with no charge for materials/labor. The item is to be adequately packaged and dispatched, pre-paid, to a Lotusline authorized distributor/service center. Unauthorized repair shall void the warranty. This Lotusline warranty does not cover cosmetics or finish and does not apply to any items which in Lotusline's opinion have failed due to user abuse, accidents, modifications or any type of misuse.

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MA Series

MA 10v2 Point source system



The key to sound



- Coaxial technology
- Passive two way system
- Single point source
- Conical 110° waveguide
- Natural sound reproduction
- MVC™ bass-reflex cooling
- Full power handling with low thermal compression
- Suitable for medium-power FOH and side fill applications
- Designed for high performance fixed installation and touring or stage monitoring
- OEM factory presets for approved digital processors

Features

The Lotusline MA10v2 loudspeaker enclosures provide a versatile system that is designed for high quality distributed sound reinforcement or high performance monitoring. Using true point source coaxial technology, the Lotusline MA series features advanced components in a flexible, multipurpose format that is suitable for either touring or fixed installation.

The MA10v2 is a passive two-way loudspeaker. The low/mid section comprises a 10 inch bass driver loaded in a 4thorder MVC™ enclosure. The hi section includes a 1 inch High Frequency compression driver assembled in a coaxial configuration along with the full low section loudspeaker providing a conical opening.

Further advantages of the coaxial approach include: single point source radiation, total wavefront coherency at all frequencies and superimposed LF/HF dispersion characteristics that are free of polar lobbing effects typical of traditional horn and woofer combinations. The net result is natural, studio monitor level sound quality that is ideal for proximity use.

The MA10v2 provides a very coherent acoustic field with 110° conical coverage

The new MVC™, Multi Vent Convection technology, allows the Lotusline MA series to handle nominal full power capacity in any working position.

The enclosure comprises two angles side, 45° and 60° for stage monitor application and include two 35mm built in stand supports as well as four wood integrated handles and 5 cargo standard rigging points.

The Lotusline MA10v2 crossovers are build with air core inductors, MKP capacitors and wirewound resistors.

The Lotusline MA10v2 apply full power handling with low thermal compression.

Applications

The Lotusline MA10v2 is passive two-way loudspeaker enclosure containing a HF driver assembled in a coaxial configuration along with a full range loudspeaker providing a conical opening. Medium power touring, installed PA for A/V, broadcast, high quality stage monitoring, etc. are the application field of MA10v2.

The great additional options for the MA10v2, provide this speaker a simple and easy installation: one can put it on the floor, install it on a stand or fly it. Walls and ceilings are in its range of installation thanks to its optional lyre brackets and multiple standard fixing points.

Combined with Lotusline subwoofers, the MA10v2 allows to create compact and powerful systems suitable for all indoor or outdoor configuration.

The MA10v2 is also ideal for distributed sound reinforcement and can be used in medium power front-of-house (FOH) applications for theatres, clubs, multi-purpose venues or corporate events.

Rigging accessories

M10U-bracket



FEATURES	Low Section	High Section
Frequency range with processor (± 3 dB)	60 Hz to 1300 Hz	1300 Hz to 20 kHz
Frequency range without processor (± 3 dB)	75 Hz to 1300 Hz	1300 Hz to 20 kHz
Sensitivity@1W/1m, $f > 80$ Hz ¹	98 dB SPL	
Maximum continuous level at 1m, $f > 80$ Hz ²	123 dB SPL	
Peak level at 1m, $f > 65$ Hz	129 dB SPL	
Nominal directivity @ -6dB ³	110° conical	
Nominal impedance	8 Ohms	

COMPONENTS

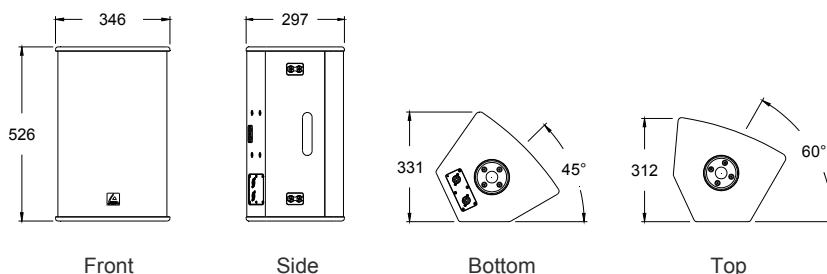
Transducers	1 x 10" weatherproof loudspeaker	1 x 1" throat compression driver coaxially mounted
Coil diameter	45 mm	45 mm
Type of load	MVC™ Bass reflex	Conical Horn

POWER

Recommended amps	200 to 600 W into 8 Ohms
Peak	1200 W
AES	300 W

CONSTRUCTION AND CHARACTERISTICS

Cabinet	18mm birch plywood with internal reinforcements
Crossover	Internal passive network
Finish	Black, impact resistant structured coating
Protection grill	Acoustically transparent perforated steel, 1.8mm thick
Front face	Black, woven, heavy duty fabric
Connectors ⁴	4 x Speakon NL4MP
Handles	2 wood integrated handles
Mounting on stand and bracket	2 x 35mm built in stand fitting
Rigging	4 inserts for Omnimount 60 series, 5 standard cargo points
Dimensions (H x W x D)	526 x 346 x 297 mm
Net unit weight	18.4 kg 40.6 lb
Gross weight, packed	20.5 kg 45.2 lb



1. Sensitivity is the average SPL measured over the components rated bandwidth
2. Power rating displays the long term AES power handling capacity using pink noise with a 6 dB crest factor over the components rated bandwidth
3. Directivity is averaged over the 600Hz-12 kHz range.
4. The SPEAKON connectors are wired, hot : pin 2+, cold : pin 2-.

LIMITED WARRANTY

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MA Series

MA 8v2 Point source system



The key to sound



- Coaxial technology
- Passive two way system
- Single point source
- Conical 120° waveguide
- Natural sound reproduction
- MVC™ bass-reflex cooling
- Full power handling with low thermal compression
- Suitable for medium-power FOH and side fill applications
- Designed for high performance fixed installation and touring or stage monitoring
- OEM factory presets for approved digital processors

Features

The Lotusline MA8v2 loudspeaker enclosures provide a versatile system that is designed for high quality distributed sound reinforcement or high performance monitoring. Using true point source coaxial technology, the Lotusline MA series features advanced components in a flexible, multipurpose format that is suitable for either touring or fixed installation.

The MA8v2 is passive two-way loudspeaker. The low/mid section comprises a 8 inch bass drive loaded in a 4th order MVC™ enclosure. The hi section includes an annular tweeter assembled in a coaxial configuration along with a the low/mid loudspeaker providing a conical opening.

Further advantages of the coaxial approach include: single point source radiation, total wavefront coherency at all frequencies and superimposed LF/HF dispersion characteristics that are free of polar lobbing effects typical of traditional horn and woofer combinations. The net result is natural, studio monitor level sound quality that is ideal for proximity use.

The MA8v2 uses provides a very coherent acoustic field with 120° conical coverage.

The new MVC™, Multi Vent Convection technology, allows the Lotusline MA series to handle nominal full power capacity in any working position.

The enclosure comprises two angles side, 45° and 60° for stage monitoring application and includes two 35mm built in stand supports as well as two wood integrated handles.

The Lotusline MA8v2 crossovers are built with air core inductors, MKP capacitors and wirewound resistors.

The Lotusline MA8v2 apply full power handling with low thermal compression.

Applications

The Lotusline MA8v2 is passive two-way loudspeaker enclosure containing a HF driver assembled in a coaxial configuration along with a full range loudspeaker providing a conical opening. A/V, broadcast, high quality proximity stage monitoring, etc. are the application field of MA 8v2.

The great additional options for the MA8v2, provide this speaker a simple and easy installation: one can put it on the floor, install it on a stand or fly it. Walls and ceilings are in its range of installation thanks to its optional lyre brackets and multiple standard fixing points.

The MA8v2 is also ideal for distributed sound reinforcement and can be used in theatres, clubs, multi-purpose venues or corporate events.

Rigging accessories

M8U-bracket



FEATURES	Low Section	High Section
Frequency range with processor (± 3 dB)	60 Hz to 1800 Hz	1800 Hz to 20 kHz
Frequency range without processor (± 3 dB)	75 Hz to 1800 Hz	1800 Hz to 20 kHz
Sensitivity@1W/1m, f>80Hz ¹	93 dB SPL	
Maximum continuous level at 1m, f>80Hz ²	115 dB SPL	
Peak level at 1m, f>65Hz	118 dB SPL	
Nominal directivity @ -6dB ³	120° conical	
Nominal impedance	8 Ohms	

COMPONENTS

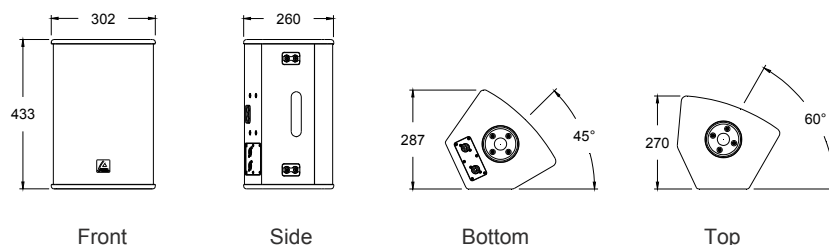
Transducers	1 x 8" weatherproof loudspeaker	1 x dome tweeter coaxially mounted
Coil diameter	45 mm	25 mm
Type of load	MVC™ Bass reflex	Conical Horn

POWER

Recommended amps	100 to 400 W into 8 Ohms
Peak	320 W
AES	160 W

CONSTRUCTION AND CHARACTERISTICS

Cabinet	18mm birch plywood with internal reinforcements
Crossover	Internal passive network
Finish	Black, impact resistant structured coating
Protection grill	Acoustically transparent perforated steel, 1.8mm thick
Front face	Black, woven, heavy duty fabric
Connectors ⁴	4 x Speakon NL4MP
Handles	2 wood integrated handles
Mounting on stand and bracket	2 x 35mm built in stand fitting
Rigging	4 inserts for Omnimount 60 series, 5 standard cargo points
Dimensions (H x W x D)	433 x 302 x 260 mm
Net unit weight	11.6 kg 25.6 lb
Gross weight, packed	13.4 kg 29.5 lb



1. Sensitivity is the average SPL measured over the components rated bandwidth
2. Power rating displays the long term AES power handling capacity using pink noise with a 6 dB crest factor over the components rated bandwidth
3. Directivity is averaged over the 600Hz-12 kHz range.
4. The SPEAKON connectors are wired, hot : pin 2+, cold : pin 2-.

LIMITED WARRANTY

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- High power subwoofer system
- High efficiency
- SIC™ technology
- Full power handling with low thermal compression
- Suitable for medium-power FOH and another applications
- Designed for high performance fixed installation and touring
- OEM factory presets for approved digital processors

Features

Lotusline SB series are based on the latest electro acoustics developments and include new SIC™ proprietary technology.

SIC™ technology, Single Interactive Chamber, increases bandwidth and efficiency while reducing total volume of vented bass loudspeaker by combining rear and front load in the same volume. Because rear and front load do not work in the same frequency region, it is possible, with a special calculation layout, to fuse both functions in only one. In practice, SIC™ technology, by using this new physical approach, virtually suppresses one of the two volumes and dramatically reduce the total size of vent loaded subwoofer. Further advantage of SIC™ technology is the better cooling of the loudspeakers due to the exceptionally large size of the vent aperture.

The SB115 is a subwoofer offering low frequencies reinforcement for medium to high power systems. It uses one 15 inch transducer loaded by Single Interactive Chamber.

The SB115 offers a very high dynamic capacity in a frequency range that intentionally excludes the infra low frequencies (below 40Hz).

The loudspeaker enclosure constructed of 18 mm birch plywood with internal braces remains free of vibration at extreme sound pressure levels.

The enclosure have 2 wood integrated handles on the sides and include one 35mm built in stand supports on the top.

Applications

Lotusline SB115 is a subwoofer offering low frequencies reinforcement for medium to high power systems. It uses one 15 inch transducer loaded by Single Interactive Chamber.

This technology offers the advantages of using a small volume for the load of the speaker, high efficiency in the usable bandwidth and perfect control of the excursion of the diaphragm.

The SB115 subwoofer with Single Interactive Chambers have been developed to offer the best versus frequency-extension to size ratio.

The SB115 provides a very dynamic and punchy sound reproduction for the sound effects that are commonly found in electronic music where the whole dynamic capacity of systems is used. This subwoofer offers full flexibility for low frequency reinforcement of the Lotusline speakers and the Line Array systems.

The SB115 is also ideal for Stadiums, arenas, and concert halls, Medium to large theatres, Cinema and night-clubs, multi-purpose venues or corporate events.

FEATURES

	Low Section
Frequency range with processor (± 3 dB)	40 Hz to 250 Hz
Frequency range without processor (± 3 dB)	45 Hz to 250 Hz
Sensitivity@1W/1m, $f > 80$ Hz ¹	101 dB SPL
Maximum continuous level at 1m, $f > 80$ Hz ²	128 dB SPL
Peak level at 1m, $f > 65$ Hz	131 dB SPL
Nominal impedance	8 Ohm

COMPONENTS

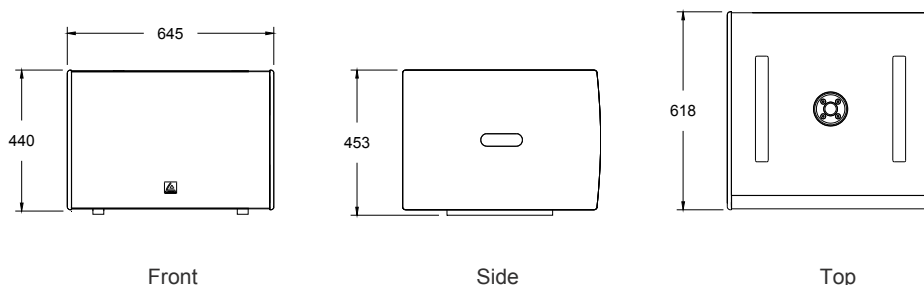
Transducers	1 x 15" weatherproof loudspeaker
Coil diameter	75 mm
Type of load	SIC™ Bass reflex

POWER

Recommended amps	400 to 1000 W into 8 Ohms
Peak	1000 W
AES	500 W

CONSTRUCTION AND CHARACTERISTICS

Cabinet	18mm birch plywood with internal reinforcements
Crossover	The Crossover points shall be 80~120 Hz with 24 dB per octave Linkwitz-Riley characteristics.
Finish	Black, impact resistant structured coating
Protection grill	Acoustically transparent perforated steel, 1.8mm thick
Front face	Black, woven, heavy duty fabric
Connectors ³	2 x SPEAKON NL4MP
Handles	2 wood integrated handles
Mounting on stand and bracket	1 x 35mm built in stand fitting
Rigging	Option
Dimensions (H x W x D)	440 x 645 x 618 mm
Net unit weight	35 kg 77.2 lb
Gross weight, packed	38 kg 83.8 lb



1. Sensitivity is the average SPL measured over the components rated bandwidth

2. Power rating displays the long term AES power handling capacity using pink noise with a 6 dB crest factor over the components rated bandwidth

3. The SPEAKON connectors are wired, hot : pin 1+, cold : pin 1-.

LIMITED WARRANTY

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- Very high power subwoofer system
- High efficiency
- SIC™ technology
- Full power handling with low thermal compression
- Suitable for large and medium-power FOH and another applications
- Designed for high performance fixed installation and touring
- OEM factory presets for approved digital processors

Features

Lotusline SB series are based on the latest electro acoustics developments and include new SIC™ proprietary technology.

SIC™ technology, Single Interactive Chamber, increases bandwidth and efficiency while reducing total volume of vented bass loudspeaker by combining rear and front load in the same volume. Because rear and front load do not work in the same frequency region, it is possible, with a special calculation layout, to fuse both functions in only one. In practice, SIC™ technology, by using this new physical approach, virtually suppresses one of the two volumes and dramatically reduce the total size of vent loaded subwoofer. Further advantage of SIC™ technology is the better cooling of the loudspeakers due to the exceptionally large size of the vent aperture.

The SB215S is a subwoofer offering low frequencies reinforcement for high power systems. It uses two 15 inch transducers loaded by Single Interactive Chamber.

The SB215S offers a very high dynamic capacity in a frequency range that intentionally excludes the infra low frequencies (below 35Hz).

The loudspeaker enclosure constructed of 18 mm birch plywood with internal braces remains free of vibration at extreme sound pressure levels.

The enclosure have 4 wood integrated handles on the sides and include one 35mm built in stand supports on the top.

Applications

Lotusline SB215S is a subwoofer offering low frequencies reinforcement for high power systems. It uses two 15 inch transducers loaded by Single Interactive Chamber.

This technology offers the advantages of using a small volume for the load of the speaker, high efficiency in the usable bandwidth and perfect control of the excursion of the diaphragm.

The SB215S subwoofer with Single Interactive Chambers have been developed to offer the best versus frequency-extension to size ratio.

The SB215S provides a very dynamic and punchy sound reproduction for the sound effects that are commonly found in electronic music where the whole dynamic capacity of systems is used. This subwoofer offers full flexibility for low frequency reinforcement of the Lotusline speakers and the Line Array systems.

The SB215S is also ideal for Stadiums, arenas, and concert halls, Medium to large theatres, Cinema and night-clubs, multi-purpose venues or corporate events.

FEATURES

	Low Section
Frequency range with processor (± 3 dB)	35 Hz to 80/250 Hz
Frequency range without processor (± 3 dB)	42 Hz to 80/250 Hz
Sensitivity@1W/1m, $f > 80$ Hz ¹	103 dB SPL
Maximum continuous level at 1m, $f > 80$ Hz ²	137 dB SPL
Peak level at 1m, $f > 65$ Hz	141 dB SPL
Nominal impedance	4 Ohms

COMPONENTS

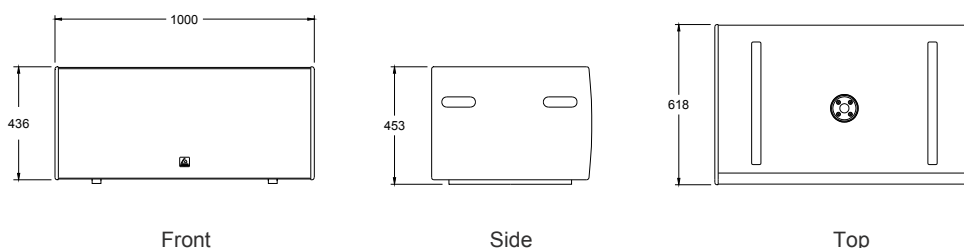
Transducers	2 x 15" weatherproof loudspeakers
Coil diameter	101.6 mm
Type of load	SIC™ Bass reflex

POWER

Recommended amps	1500 to 3000 W into 4 Ohms
Peak	6000 W
AES	2400 W

CONSTRUCTION AND CHARACTERISTICS

Cabinet	18mm birch plywood with internal reinforcements
Crossover	The Crossover points shall be 80~120 Hz with 24 dB per octave Linkwitz-Riley characteristics.
Finish	Black, impact resistant structured coating
Protection grill	Acoustically transparent perforated steel, 1.8mm thick
Front face	Black, woven, heavy duty fabric
Connectors ³	2 x Speakon NL4MP
Handles	4 wood integrated handles
Mounting on stand and bracket	1 x 35mm built in stand fitting
Rigging	Option
Dimensions (H x W x D)	436 x 1000 x 618 mm
Net unit weight	64.6 kg 142.4 lb
Gross weight, packed	69.1 kg 152.3 lb



1. Sensitivity is the average SPL measured over the components rated bandwidth
2. Power rating displays the long term AES power handling capacity using pink noise with a 6 dB crest factor over the components rated bandwidth
3. The SPEAKON connectors are wired, hot : pin 1+, cold : pin 1-.

LIMITED WARRANTY

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- Very high power subwoofer system
- High efficiency
- SIC™ technology
- Full power handling with low thermal compression
- Suitable for large and medium-power FOH and another applications
- Designed for high performance fixed installation and touring
- OEM factory presets for approved digital processors

Features

Lotusline SB series are based on the latest electro acoustics developments and include new SIC™ proprietary technology.

SIC™ technology, Single Interactive Chamber, increases bandwidth and efficiency while reducing total volume of vented bass loudspeaker by combining rear and front load in the same volume. Because rear and front load do not work in the same frequency region, it is possible, with a special calculation layout, to fuse both functions in only one. In practice, SIC™ technology, by using this new physical approach, virtually suppresses one of the two volumes and dramatically reduce the total size of vent loaded subwoofer. Further advantage of SIC™ technology is the better cooling of the loudspeakers due to the exceptionally large size of the vent aperture.

The SB218S is a subwoofer offering low frequencies reinforcement for high power systems. It uses two 18 inch transducers loaded by Single Interactive Chamber.

The SB218S offers a very high dynamic capacity in a frequency range that intentionally excludes the infra low frequencies (below 28Hz).

The loudspeaker enclosure constructed of 18 mm birch plywood with internal braces remains free of vibration at extreme sound pressure levels.

The enclosure have 4 wood integrated handles on the sides .

Applications

Lotusline SB218S is a subwoofer offering low frequencies reinforcement for high power systems. It uses two 18 inch transducers loaded by Single Interactive Chamber.

This technology offers the advantages of using a small volume for the load of the speaker, high efficiency in the usable bandwidth and perfect control of the excursion of the diaphragm.

The SB218S subwoofer with Single Interactive Chambers have been developed to offer the best versus frequency-extension to size ratio.

The SB218S provides a very dynamic and punchy sound reproduction for the sound effects that are commonly found in electronic music where the whole dynamic capacity of systems is used. This subwoofer offers full flexibility for low frequency reinforcement of the Lotusline speakers and the Line Array systems.

The SB218S is also ideal for Stadiums, arenas, and concert halls, Medium to large theatres, Cinema and night-clubs, multi-purpose venues or corporate events.

FEATURES

	Low Section
Frequency range with processor (± 3 dB)	28 Hz to 80/250 Hz
Frequency range without processor (± 3 dB)	32 Hz to 80/250 Hz
Sensitivity@1W/1m, $f > 80$ Hz ¹	103 dB SPL
Maximum continuous level at 1m, $f > 80$ Hz ²	137 dB SPL
Peak level at 1m, $f > 65$ Hz	141 dB SPL
Nominal impedance	4 Ohms

COMPONENTS

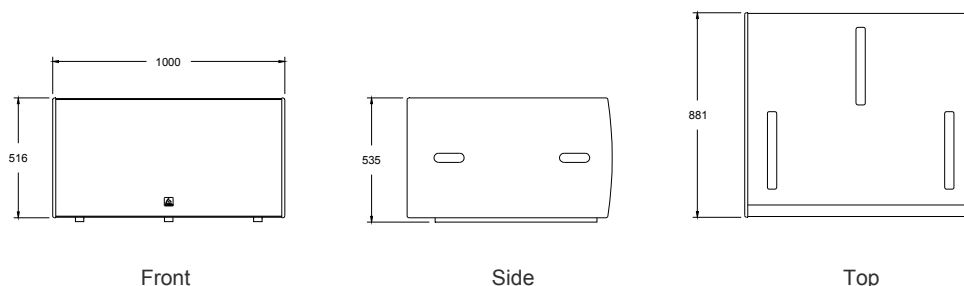
Transducers	2 x 18" weatherproof loudspeakers
Coil diameter	101.6 mm
Type of load	SIC™ Bass reflex

POWER

Recommended amps	1500 to 3000 W into 4 Ohms
Peak	6000 W
AES	2400 W

CONSTRUCTION AND CHARACTERISTICS

Cabinet	18mm birch plywood with internal reinforcements
Crossover	The Crossover points shall be 80~120 Hz with 24 dB per octave Linkwitz-Riley characteristics.
Finish	Black, impact resistant structured coating
Protection grill	Acoustically transparent perforated steel, 1.8mm thick
Front face	Black, woven, heavy duty fabric
Connectors ³	2 x Speakon NL4MP
Handles	4 wood integrated handles
Mounting on stand and bracket	—
Rigging	Option
Dimensions (H x W x D)	516 x 1000 x 881 mm
Net unit weight	84.2 kg 185.6 lb
Gross weight, packed	90.2 kg 198.9 lb



1. Sensitivity is the average SPL measured over the components rated bandwidth
2. Power rating displays the long term AES power handling capacity using pink noise with a 6 dB crest factor over the components rated bandwidth
3. The SPEAKON connectors are wired, hot : pin 1+, cold : pin 1-.

LIMITED WARRANTY

Lotusline loudspeakers and electronics are covered against defects in workmanship or materials for a period of two (2) years from the original date of purchase. At the option of Lotusline, the defective item will be repaired/replaced with no charge for materials/labor. The item is to be adequately packaged and dispatched, pre-paid, to a Lotusline authorized distributor/service center. Unauthorized repair shall void the warranty. This Lotusline warranty does not cover cosmetics or finish and does not apply to any items which in Lotusline's opinion have failed due to user abuse, accidents, modifications or any type of misuse.

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- Very high power subwoofer system
- High efficiency
- Direct radiating, optimized bass reflex design
- Full power handling with low thermal compression
- Suitable for large and medium-power FOH and another applications
- Designed for high performance fixed installation and touring
- OEM factory presets for approved digital processors

Features

The Lotusline SB218PS is a subwoofer designed with the latest state of the art simulations tools in terms of acoustic quality, mechanical strength and optimized cooling. The SB218PS incorporates two high excursion and low distortion 18-inch drivers installed in direct radiation enclosure and loaded by a critically damped bass reflex incorporating multiple vents (MVC™ technology) for a better cooling at any position. It means that the SB218PS can be used horizontally or vertically at full power in both orientations.

The 18-inch transducers have a 4.0 inch (101.6 mm) copper sandwich voice coil on black Kapton former for low power compression and double treated cone for water protection. Triple demodulating rings combined with 8mm excursion capability, die cast aluminium basket, massive vented magnet structure offer the best performances even in very low frequencies.

Its exceptional power handling capacity of 2400W(AES) long term and 6000W (Peak) all other the usable frequency bandwidth from 35 to 200 Hz (± 3 dB) offers a permanent 139 dB SPL and 143 dB SPL peak.

The loudspeaker enclosure constructed of 18 mm birch plywood with internal braces remains free of vibration at extreme sound pressure levels.

The enclosure have 6 wood integrated handles on the sides and can be fitted with 4 optional castor plates on the back.

Applications

Lotusline SB218PS is the companion subwoofer for LA, CL, MQ and MA system features, direct radiating 18-inch transducers loaded in an optimally-sized and tuned vented enclosure. With power handling capacity of 2400 W(AES) long term (6000W/peak) and response to 35 Hz.

The SB218PS is ideal for applications requiring maximum low frequency extension and impact. The SB218PS provides unparalleled low end punch and bass articulation combined with high power handling and efficiency.

Due to its compact design and critically damped tuning, multiple SB218PS enclosures couple effectively while providing the bass definition and musicality that only a direct radiating subwoofer can provide.

The SB218PS provides a very dynamic and punchy sound reproduction for the sound effects that are commonly found in electronic music where the whole dynamic capacity of systems is used. This subwoofer offers full flexibility for low frequency reinforcement of the Lotusline speakers and the Line Array systems.

The SB218PS is also ideal for distributed sound reinforcement and can be used in theatres, clubs, multi-purpose venues or corporate events.

FEATURES

	Low Section
Frequency range with processor (± 3 dB)	35 Hz to 200 Hz
Frequency range without processor (± 3 dB)	38 Hz to 200 Hz
Sensitivity@1W/1m, $f > 80$ Hz ¹	105 dB SPL
Maximum continuous level at 1m, $f > 80$ Hz ²	139 dB SPL
Peak level at 1m, $f > 65$ Hz	143 dB SPL
Nominal impedance	4 Ohms

COMPONENTS

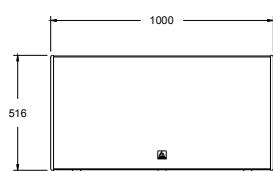
Transducers	2 x 18" weatherproof loudspeakers
Coil diameter	101.6 mm
Type of load	Direct radiating, bass reflex

POWER

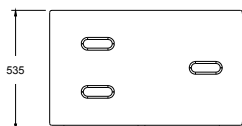
Recommended amps	1500 to 3000 W into 4 Ohms
Peak	6000 W
AES	2400 W

CONSTRUCTION AND CHARACTERISTICS

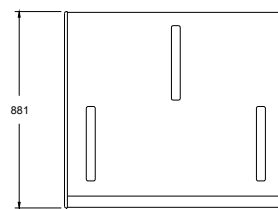
Cabinet	18mm birch plywood with internal reinforcements
Crossover	The Crossover points shall be 80~120 Hz with 24 dB per octave Linkwitz-Riley characteristics.
Finish	Black, impact resistant structured coating
Protection grill	Acoustically transparent perforated steel, 1.8mm thick
Front face	Black, woven, heavy duty fabric
Connectors ³	2 x Speakon NL4MP
Handles	6 wood integrated handles
Mounting on stand and bracket	—
Rigging	Option
Dimensions (H x W x D)	516 x 1000 x 881 mm
Net unit weight	94.5 kg 208.3 lb
Gross weight, packed	99.7 kg 219.8 lb



Front



Side



Top

1. Sensitivity is the average SPL measured over the components rated bandwidth

2. Power rating displays the long term AES power handling capacity using pink noise with a 6 dB crest factor over the components rated bandwidth

3. The SPEAKON connectors are wired, hot : pin 1+, cold : pin 1-.

LIMITED WARRANTY

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- Very high power subwoofer system
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- Direct radiating, optimized bass reflex design
- Full power handling with low thermal compression
- Suitable for large and medium-power FOH and another applications
- Designed for high performance fixed installation and touring
- OEM factory presets for approved digital processors

Features

The Lotusline SW25 is a subwoofer designed with the latest state of the art simulations tools in terms of acoustic quality, mechanical strength and optimized cooling. The SW25 incorporates two high excursion and low distortion 15-inch drivers installed in direct radiation enclosure and loaded by a critically damped bass reflex incorporating multiple vents (MVC™ technology) for a better cooling at any position. It means that the SW25 can be used horizontally or vertically at full power in both orientations.

The 15-inch transducers have a 4.0 inch (100 mm) copper sandwich voice coil on black Kapton former for low power compression and double treated cone for water protection. Triple demodulating rings combined with 8 mm excursion capability, die cast aluminium basket, massive vented magnet structure offer the best performances even in very low frequencies.

Its exceptional power handling capacity of 2000W(AES) long term and 5000W (Peak) all other the usable frequency bandwidth from 35 to 200 Hz (± 3 dB) offers a permanent 138 dB SPL and 142 dB SPL peak.

The loudspeaker enclosure constructed of 18 mm birch plywood with internal braces remains free of vibration at extreme sound pressure levels.

The enclosure have 4 aluminium integrated handles on the sides and include two 35mm built in stand supports on the top.

Applications

Lotusline SW25 is the companion subwoofer for LA, CL, MQ and MA system features, direct radiating 15-inch transducers loaded in an optimally-sized and tuned vented enclosure. With power handling capacity of 2000 W(AES) long term (5000W/peak) and response to 35 Hz.

The SW25 is ideal for applications requiring maximum low frequency extension and impact.

The SW25 provides unparalleled low end punch and bass articulation combined with high power handling and efficiency.

Due to its compact design and critically damped tuning, multiple SW25 enclosures couple effectively while providing the bass definition and musicality that only a direct radiating subwoofer can provide.

The SW25 provides a very dynamic and punchy sound reproduction for the sound effects that are commonly found in electronic music where the whole dynamic capacity of systems is used. This subwoofer offers full flexibility for low frequency reinforcement of the Lotusline speakers and the Line Array systems.

The SW25 is also ideal for distributed sound reinforcement and can be used in theatres, clubs, multi-purpose venues or corporate events.

FEATURES

	Low Section
Frequency range with processor (± 3 dB)	35 Hz to 200 Hz
Frequency range without processor (± 3 dB)	40 Hz to 200 Hz
Sensitivity@1W/1m, $f > 80$ Hz ¹	105 dB SPL
Maximum continuous level at 1m, $f > 80$ Hz ²	138 dB SPL
Peak level at 1m, $f > 65$ Hz	142 dB SPL
Nominal impedance	4 Ohms

COMPONENTS

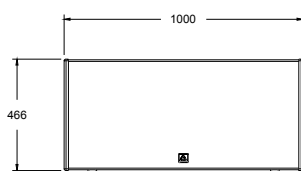
Transducers	2 x 15" weatherproof loudspeakers
Coil diameter	101.6 mm
Type of load	Direct radiating, bass reflex

POWER

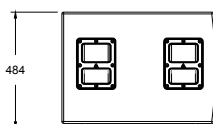
Recommended amps	1500 to 3000 W into 4 Ohms
Peak	5000 W
AES	2000 W

CONSTRUCTION AND CHARACTERISTICS

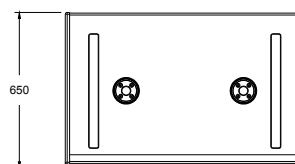
Cabinet	18mm birch plywood with internal reinforcements
Crossover	The Crossover points shall be 80 ~120 Hz with 24 dB per octave Linkwitz - Riley characteristics.
Finish	Black, impact resistant structured coating
Protection grill	Acoustically transparent perforated steel, 1.8mm thick
Front face	Black, woven, heavy duty fabric
Connectors ³	2 x Speakon NL4MP
Handles	4 x Aluminium integrated handles
Mounting on stand and bracket	2 x 35mm built in stand fitting
Rigging	Option
Dimensions (H x W x D)	466 x 1000 x 650 mm
Net unit weight	50 kg 110.0 lb
Gross weight, packed	53.5 kg 117.7 lb



Front



Side



Top

1. Sensitivity is the average SPL measured over the components rated bandwidth

2. Power rating displays the long term AES power handling capacity using pink noise with a 6 dB crest factor over the components rated bandwidth

3. The SPEAKON connectors are wired, hot : pin 1+, cold : pin 1-.

LIMITED WARRANTY

Lotusline loudspeakers and electronics are covered against defects in workmanship or materials for a period of two (2) years from the original date of purchase. At the option of Lotusline, the defective item will be repaired/replaced with no charge for materials/labor. The item is to be adequately packaged and dispatched, pre-paid, to a Lotusline authorized distributor/service center. Unauthorized repair shall void the warranty. This Lotusline warranty does not cover cosmetics or finish and does not apply to any items which in Lotusline's opinion have failed due to user abuse, accidents, modifications or any type of misuse.

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- High power subwoofer system
- High efficiency
- Direct radiating, optimized bass reflex design
- Full power handling with low thermal compression
- Suitable for large and medium-power FOH and another applications
- Designed for high performance fixed installation and touring
- OEM factory presets for approved digital processors

Features

The Lotusline SW18 is a subwoofer designed with the latest state of the art simulations tools in terms of acoustic quality, mechanical strength and optimized cooling. The SW18 incorporates one high excursion and low distortion 18-inch drivers installed in direct radiation enclosure and loaded by a critically damped bass reflex incorporating multiple vents (MVC™ technology) for a better cooling at any position. It means that the SW18 can be used horizontally or vertically at full power in both orientations.

The 18-inch transducers have a 4.0 inch (101.6 mm) copper sandwich voice coil on black Kapton former for low power compression and double treated cone for water protection. Triple demodulating rings combined with 8 mm excursion capability, die cast aluminium basket, massive vented magnet structure offer the best performances even in very low frequencies.

Its exceptional power handling capacity of 1000W(AES) long term and 2500W (Peak) all other the usable frequency bandwidth from 35 to 200 Hz (± 3 dB) offers a permanent 131 dB SPL and 135 dB SPL peak.

The loudspeaker enclosure constructed of 18 mm birch plywood with internal braces remains free of vibration at extreme sound pressure levels.

The enclosure have 4 aluminium integrated handles on the sides and include one 35mm built in stand supports on the top.

Applications

Lotusline SW18 is the companion subwoofer for LA, CL, MQ and MA system features, direct radiating 18-inch transducers loaded in an optimally-sized and tuned vented enclosure. With power handling capacity of 1000 W(AES) long term (2500W/peak) and response to 35 Hz.

The SW18 is ideal for applications requiring maximum low frequency extension and impact. The SW18 provides unparalleled low end punch and bass articulation combined with high power handling and efficiency.

Due to its compact design and critically damped tuning, multiple SW18 enclosures couple effectively while providing the bass definition and musicality that only a direct radiating subwoofer can provide.

The SW18 provides a very dynamic and punchy sound reproduction for the sound effects that are commonly found in electronic music where the whole dynamic capacity of systems is used. This subwoofer offers full flexibility for low frequency reinforcement of the Lotusline speakers and the Line Array systems.

The SW18 is also ideal for distributed sound reinforcement and can be used in theatres, clubs, multi-purpose venues or corporate events.

FEATURES

	Low Section
Frequency range with processor (± 3 dB)	35 Hz to 400 Hz
Frequency range without processor (± 3 dB)	38 Hz to 400 Hz
Sensitivity@1W/1m, $f > 80$ Hz ¹	101 dB SPL
Maximum continuous level at 1m, $f > 80$ Hz ²	131 dB SPL
Peak level at 1m, $f > 65$ Hz	135 dB SPL
Nominal impedance	8 Ohm

COMPONENTS

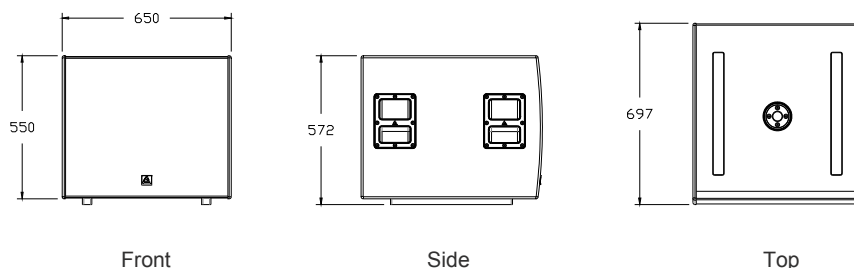
Transducers	1 x 18" weatherproof loudspeaker
Coil diameter	101.6 mm
Type of load	Direct radiating, bass reflex

POWER

Recommended amps	1000 to 2000 W into 8 Ohms
Peak	2500 W
AES	1000 W

CONSTRUCTION AND CHARACTERISTICS

Cabinet	18mm birch plywood with internal reinforcements
Crossover	The Crossover points shall be 80~120 Hz with 24 dB per octave Linkwitz-Riley characteristics.
Finish	Black, impact resistant structured coating
Protection grill	Acoustically transparent perforated steel, 1.8mm thick
Front face	Black, woven, heavy duty fabric
Connectors ³	2 x Speakon NL4MP
Handles	4 x Aluminium integrated handles
Mounting on stand and bracket	1 x 35mm built in stand fitting
Rigging	Option
Dimensions (H x W x D)	550 x 650 x 697 mm
Net unit weight	48.2 kg 106.3 lb
Gross weight, packed	51.2 kg 112.9 lb



1. Sensitivity is the average SPL measured over the components rated bandwidth
2. Power rating displays the long term AES power handling capacity using pink noise with a 6 dB crest factor over the components rated bandwidth
3. The SPEAKON connectors are wired, hot : pin 1+, cold : pin 1-.

LIMITED WARRANTY

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- Designed for high performance fixed installation and touring
- OEM factory presets for approved digital processors

Features

The Lotusline SW28 is a subwoofer designed with the latest state of the art simulations tools in terms of acoustic quality, mechanical strength and optimized cooling. The SW28 incorporates two high excursion and low distortion 18-inch drivers installed in direct radiation enclosure and loaded by a critically damped bass reflex incorporating multiple vents (MVC™ technology) for a better cooling at any position. It means that the SW28 can be used horizontally or vertically at full power in both orientations.

The 18-inch transducers have a 4.0 inch (101.6 mm) copper sandwich voice coil on black Kapton former for low power compression and double treated cone for water protection. Triple demodulating rings combined with 8mm excursion capability, die cast aluminium basket, massive vented magnet structure offer the best performances even in very low frequencies.

Its exceptional power handling capacity of 2000W(AES) long term and 5000W (Peak) all other the usable frequency bandwidth from 35 to 200 Hz (± 3 dB) offers a permanent 139 dB SPL and 143 dB SPL peak.

The loudspeaker enclosure constructed of 18 mm birch plywood with internal braces remains free of vibration at extreme sound pressure levels.

The enclosure have 6 aluminium integrated handles on the sides and can be fitted with 4 optional castor plates on the back.

Applications

Lotusline SW28 is the companion subwoofer for LA, CL, MQ and MA system features, direct radiating 18-inch transducers loaded in an optimally-sized and tuned vented enclosure. With power handling capacity of 2000 W(AES) long term (5000W/peak) and response to 35 Hz.

The SW28 is ideal for applications requiring maximum low frequency extension and impact. The SW28 provides unparalleled low end punch and bass articulation combined with high power handling and efficiency.

Due to its compact design and critically damped tuning, multiple SW28 enclosures couple effectively while providing the bass definition and musicality that only a direct radiating subwoofer can provide.

The SW28 provides a very dynamic and punchy sound reproduction for the sound effects that are commonly found in electronic music where the whole dynamic capacity of systems is used. This subwoofer offers full flexibility for low frequency reinforcement of the Lotusline speakers and the Line Array systems.

The SW28 is also ideal for distributed sound reinforcement and can be used in theatres, clubs, multi-purpose venues or corporate events.

FEATURES

	Low Section
Frequency range with processor (± 3 dB)	35 Hz to 200 Hz
Frequency range without processor (± 3 dB)	38 Hz to 200 Hz
Sensitivity@1W/1m, $f > 80$ Hz ¹	106 dB SPL
Maximum continuous level at 1m, $f > 80$ Hz ²	139 dB SPL
Peak level at 1m, $f > 65$ Hz	143 dB SPL
Nominal impedance	4 Ohms

COMPONENTS

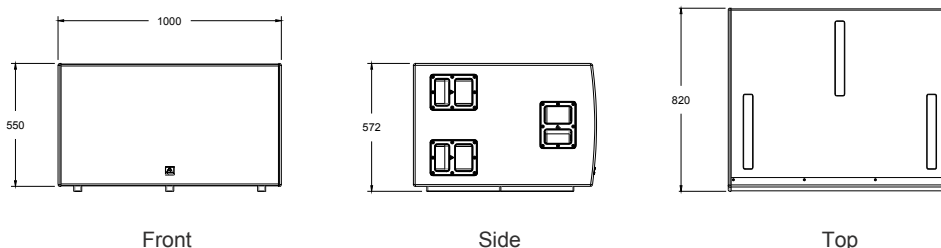
Transducers	2 x 18" weatherproof loudspeakers
Coil diameter	101.6 mm
Type of load	Direct radiating, bass reflex

POWER

Recommended amps	1500 to 3000 W into 4 Ohms
Peak	5000 W
AES	2000 W

CONSTRUCTION AND CHARACTERISTICS

Cabinet	18mm birch plywood with internal reinforcements
Crossover	The Crossover points shall be 80~120 Hz with 24 dB per octave Linkwitz-Riley characteristics.
Finish	Black, impact resistant structured coating
Protection grill	Acoustically transparent perforated steel, 1.8mm thick
Front face	Black, woven, heavy duty fabric
Connectors ³	2 x Speakon NL4MP
Handles	6 x Aluminium integrated handles
Mounting on stand and bracket	—
Rigging	Option
Dimensions (H x W x D)	550 x 1000 x 820 mm
Net unit weight	94.5 kg 208.3 lb
Gross weight, packed	99.7 kg 219.8 lb



1. Sensitivity is the average SPL measured over the components rated bandwidth
2. Power rating displays the long term AES power handling capacity using pink noise with a 6 dB crest factor over the components rated bandwidth
3. The SPEAKON connectors are wired, hot : pin 1+, cold : pin 1-.

LIMITED WARRANTY

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