



LS118

High Output
Single 18-inch
Bass Reflex
Subwoofer

- Specifically designed to accompany and compliment DML500 and DML500A distributed mode speakers
- High output subwoofer system, bass reflex, semi horn-loaded port design
- Single 18-inch high output, low frequency transducer with 4-inch (100 mm) inside/outside, epoxy-baked, high temperature, voice coil assembly with neodymium magnetic structure
- Professional 16-ply birch construction with wear-resistant polymer coating
- Can be used in single, dual and quad configurations
- 16 integrated M10 attachment points
- Four recessed handles for simplified handling / carrying
- M20 Top hat for pole mounting applications
- Acetyl copolymer, high impact, low friction feet are located on bottom allowing lock-in and easy cabinet movement
- Scales into Dual and Quad systems

Applications

- Fixed installations such as
 - Churches
 - Educational Facilities and Gymnasiums
 - Performing Arts Centers
 - Government Facilities
 - Immersive Venues
- Portable PA applications such as wedding DJs

Where our Distributed Mode DML500 leaves off, the LS118 takes over. Remarkably compact, this high output subwoofer delivers impressive, tight low frequencies that blends perfectly with our full-range speakers: for churches, clubs, performance venues and other AV applications it is an impressive compliment to our DML500 and DML500A.

With an 18-inch direct radiating transducer, the LS118 produces high sound pressure levels with fast dynamics and musical reproduction of very low frequencies. Its 18" woofer is armed with massive vented magnets and 4" copper voice coil. Power handling is an impressive 3500 W peak and 1200 W continuous.

As a companion to our DML speakers, or as tight, focused bass source for portable PA systems, the LS118 will impress your audience.



LS118 System (single)	
Frequency Range (-10dB)	30Hz-150kHz
Frequency Response(-6dB)	36Hz-100Hz
System Sensitivity	100dB
Rated Maximum SPL	138dB (peak)
System Nominal Impedance	8 ohms
LS118 System (quad)	
Frequency Range (-10dB)	30Hz-150kHz
Frequency Response(-6dB)	36Hz-100Hz
Rated Maximum SPL	144dB (peak)
System Nominal Impedance	8 ohms
Power Handling	
Continuous / Program / Peak	1200W/2400W/3500W
Recommended High Pass Filter	32Hz Butterworth 4 th Order
Recommended Low Pass Filter	100-120Hz (user defined)
Driver	
Low Frequency Transducer	18-inch woofer
Voice Coil Diameter	100 mm
Voice Coil Winding Wire	Copper-clad Aluminum
Magnetic Motor	Neodymium
Design	
Acoustic Design Principle	Bass Reflex with horn-loaded port
Physical	
Outer Dimensions (H x W x D)	27.56 in x 24.47 in x 30.04 in 700 mm x 622mm x 763mm
Weight	119 lbs / 54.5 kg
Hardware Attachment	
Internal M10 "L" brackets	16 locations
Pole Mount	Top Mount M20
Shipping Wt. & Dimensions	
Shipping Weight	51 lbs / 23.2 kg
Shipping Dimensions	34" x 33" x 33" 850 mm x 840 mm x 840 mm

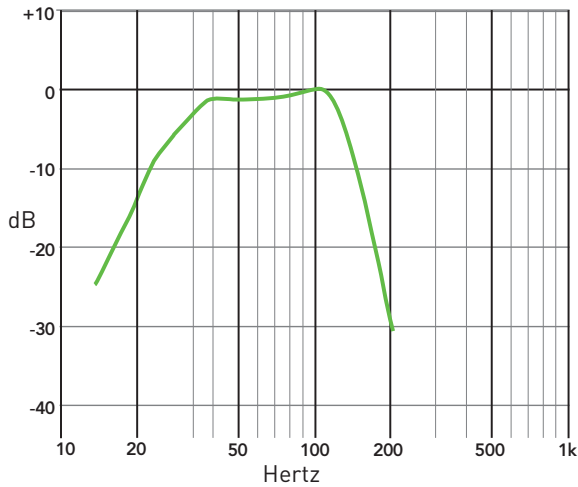
FlatPanel continually engages in research related to product improvement. Specifications are subject to change without notification. LS118-5/24-A

LS118 High Output Single 18-inch Bass Reflex Subwoofer

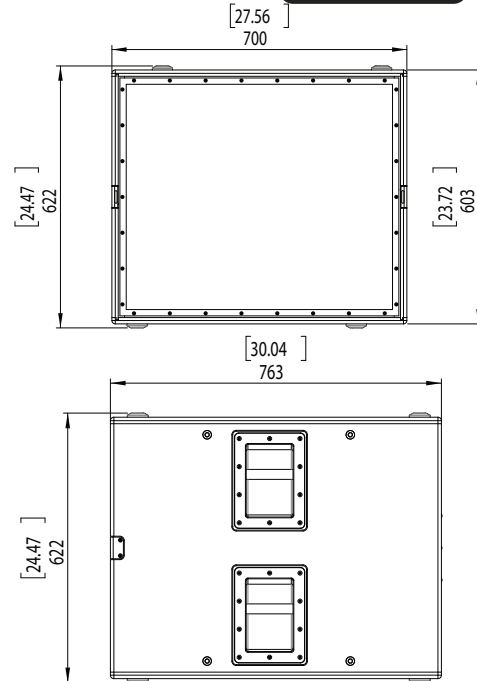


Acoustic Response

Frequency Response



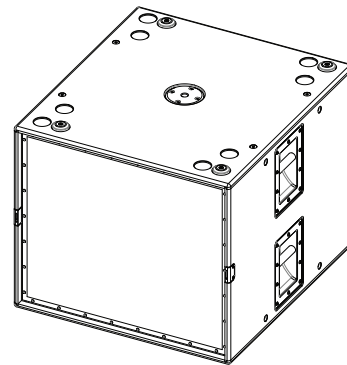
Measured using ground plane technique, microphone placed at 2 meters.



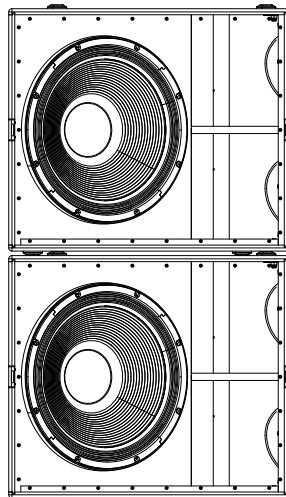
Recommended Filtering/Crossover: The following are the initial recommended acoustic filters as implemented for the LS118 ground plane measurement.

- High Pass - Butterworth 4th Order (24dB) @ 30Hz
- Peaking Filter - 35Hz / Q of 1.2 / Gain of 6dB
- Low Pass Filter - Butterworth 4th Order (24dB) @ 100Hz

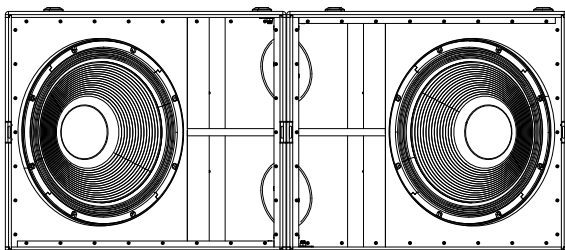
Accessories - FlatPanel Audio manufactures a variety of accessories and installation solutions for the LS118 allowing for seamless system integration.



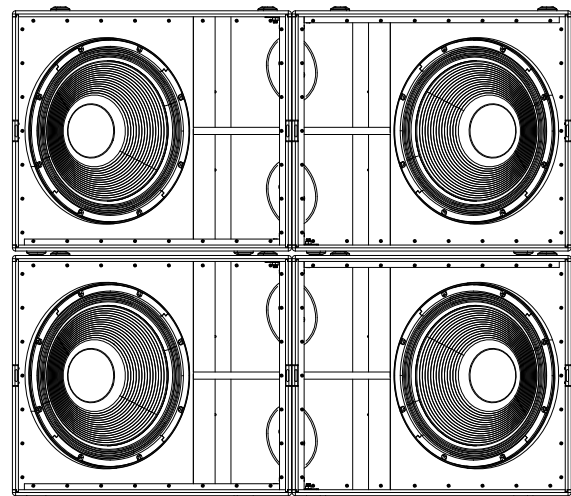
Dual Vertical Stack



Dual Horizontal Stack



Quad Stack



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