



CPL118S

Line array speaker system



Operating
Manual

CPL™ 118S Subwoofer speaker system

The Crest audio® CPL118S Sub incorporates the ultra-high power 18" neodymium magnet woofer into a new compact cabinet design. CPL118S can provide a rated power of 800W, and a program of 1600W. CPL118S input connections are made using two Neutrik® Speakon 4-pin jacks in parallel.

CPL280 line array system with CPL118S subwoofer combination lifting, suitable for permanent fixed installation of small lecture halls, small bars and other places.

FEATURES:

- 1x18" neodymium magnet woofer
- Compact design
- Ergonomic handles are designed on both sides
- 800 watt continuous, 1600 watt program, 3200 watt peak power handling
- Inputs are two Neutrik® Speakon® 4-pin jacks in parallel
- 18mm birch plywood construction

SPECIFICATIONS

Frequency response, 1meter on-axis, swept-sine in anechoic environment:

43Hz to 300Hz (±6dB)

Usable Low Frequency limit, -10 dB point: 35 Hz

Sound pressure level, 1watt, 1meter in anechoic environment:

97dB

Maximum sound pressure level (1meter):

126dB SPL continuous

129dB SPL program

132dB SPL peak

Power handling:

800 W continuous

1600 W program

3200 W peak

Impedance: 8 Ohms

Transducer complement:

Low Frequency Section:

1x18 in. neodymium magnet woofer, SAN184.03 neodymium 4" VC

Impedance: 8 Ohms

1500 W continuous

3000 W program

6000 W peak

Input Connections:

2x Neutrik® 4-pin Speakon Jack

PIN 1+ = woofer+, PIN 1- = woofer-

Enclosure Materials & finish:

18mm birch plywood finished in black painted finish, perforated steel grille finished in black powder coat paint.

Dimensions (H x W x D):

600mm x 619mm x 650mm

23.62"x 24.37"x25.59"

Net Weight:

49.9kg(110lbs)

NOTE: Before you fly the array, be sure to inspect the rigging and flying hardware to insure that it is mechanically sound and has not been damaged, there should be no significant distortion of the shape of the coupling brackets, cabinet brackets, Halo or fly bar, and the hardware should be checked for tightness.

 This CREST AUDIO loudspeaker should be suspended overhead only in accordance with the procedures and limitations specified in the User's Manual and possible manual update notices. This system should be suspended with certified rigging hardware by an authorized rigging professional and in compliance with local, provincial or national suspension ordinances. **ALWAYS USE PROPER GRADE HARDWARE.**

 **CAUTION:** Before attempting to suspend this speaker, consult with a certified structural engineer. Speaker can fall from improper suspension, resulting in serious injury and property damage. Use only the correct mating hardware. All associated rigging is the responsibility of others. Maximum enclosure angle 30 degrees. Failure to follow proper rigging specifications listed in the manual may result in injury or death.

Whenever possible, in addition to the nominal primary mounting method, use a suitable safety chain or wire rope attached to one of the other groups of fly points, and firmly attached to a suitable structural member as indicated by a certified structural engineer. **CAUTION: ALWAYS USE SAFETY CHAIN OR WIRE ROPE.**

 **IF ANY OF THE RIGGING, OR THE HALO OR FLY BAR HAS BEEN DAMAGED OR DISTORTED, DO NOT USE, AND DO NOT FLY THE ARRAY UNTIL THEY CAN BE REPLACED OR REPAIRED!**

DO NOT USE THE PIVOT BAR OR ANGLE SLIDER BRACKET AS HANDLES TO TRANSPORT THE CABINETS!

 **DO NOT TRANSPORT THE CABINETS IN ARRAY CONFIGURATION COUPLED TOGETHER, EXCEPT WITH THE RECOMMENDED TRANSPORT CART AND IN THE STIPULATED MANNER FOR THAT CART. TRANSPORT IN SUCH AN UNAPPROVED MANNER VOIDS THE WARRANTY, AND THE SYSTEM WOULD BE CONSIDERED UNSAFE TO BE FLOWN AFTER SUCH AN UNAPPROVED TRANSPORT EVENT.**

Use only the correct mating hardware. All associated rigging is the responsibility of others.

Correct use and seating of the Quick Release Push Lock Pins Used with all CPL™ rigging hardware.

When using the Quick Release Positive Lock Pins, when the Quick Release Push Lock Pins are inserted, they should be fully seated, so that the black shoulder near the end of the pin has been placed flush with the side of the bracket, or as far in as the pin hole cavity will allow it to be inserted.

You will have to fully depress the center push-button to do this.

You should not be able to pull these pins out unless the center push-button is fully depressed.

INSPECT RIGGING ANNUALLY.

Hanging CPL™118S Cabinets and CPL280 halo

1. Take an CPL118S and slide up the cabinet hang strap at the back of the cabinet, see Fig.1.

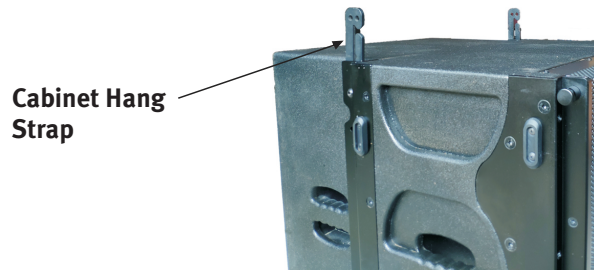


Figure1

2. Take the CPL118S halo, take out the front halo ear, pull out the lock pin in front of the CPL118S cabinet, and put the halo on the CPL118S cabinet. After the halo ear is aligned with the cabinet, loosen the lock pin and fix it, see Fig.2 and 2a.



Figure2



Figure2a

3. CPL118S rear cabinet strap is aligned with halo and fixed with lock pin after mounting hole, see Fig.3.



Figure3

4. Pull out the front locking pin under the CPL118S cabinet, pop out the cabinet strap, and then take out the rear locking pin under the cabinet, see Fig.4 and 4a; if you need to hang the CPL280, please refer to the CPL280 User Manual for detailed hanging instructions.



Figure4



Figure4a

INFORMATION ON THE FLYING HARDWARE FOR THE CPL118S Halo (Available Separately)



CAUTION ! Before attempting to suspend any CPL™118S Rigging Hardware with or without speakers hung from it, consult a certified structural engineer. The Halo/Fly Bar and/or speaker array can fall from improper suspension, resulting in serious injury and property damage. Use only the correct mating hardware. All associated rigging is the responsibility of others.

This CREST AUDIO loudspeaker should be suspended overhead only in accordance with the procedures and limitations specified in the User's Manual and possible manual update notices. This system should be suspended with certified rigging hardware by an authorized rigging professional and in compliance with local, provincial or national suspension ordinances.

Whenever possible, in addition to the nominal primary mounting method, use a suitable safety chain or wire rope attached to one of the other groups of fly points, and firmly attached to a suitable structural member as indicated by a certified structural engineer. **CAUTION: ALWAYS USE SAFETY CHAIN OR WIRE ROPE.**

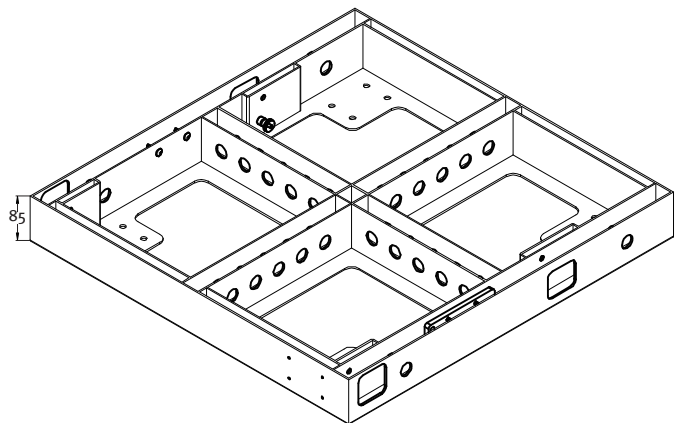
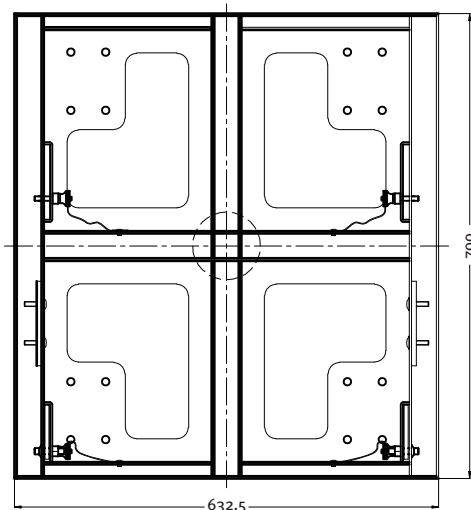
Connects the CPL118S Sub speakers and CPL280 to the overhead rigging.
4x 8mm quick locking pins are provided on the halo to suspend the CPL118S Sub speakers.

Specifications:

Halo Only Dimensions H x W x D:

3.34" x 24.9" x 27.55" (85mm x 632.5mm x 700mm)

Weight: 50.7lbs./23kg



Material: The whole halo is made of 3mm iron plate welded, the shape is in the shape of a field, and the middle of halo is hollow.

Finish: Entire Halo is flat black powder coated paint finish.

Working Load Limit: 300 kg / 661 lbs. for Ultimate Strength Design Factor of 10:1
(This meets PLASA North America criteria and typically exceeds local USA safety requirements.)

Working Load Limit: 250kg / 551 lbs. for Ultimate Strength Design Factor of 12:1
(This is in compliance with the European Union mandated Safety Factor)

Maximum Number of CPL™118S passive cabinets: 5

(Note: CPL118S Sub cabinets do NOT articulate or angle, they must be hung at a zero degree angle.)

Can fly up to 5 CPL118S Subs, or 10 CPL280.

Maximum Combined Number of CPL™ 280 and CPL™ 118S Sub cabinets:

MIX OF SUBS VERSUS 2-Ways

Subs	2-Ways
0	10
1	8
2	6
3	3
4	1
5	0

NOTES:

The ultimate strength for the CPL™ 280 loudspeaker system rigging hardware was determined utilizing calibrated and certified pull tests.

More complete information on the Crest audio® CPL280 Rigging System and the Halo can be found in the unit's Owner's manual, or by contacting Crest audio®.

Design and specifications subject to change without notice.



CAUTIONS

WARNING !

IMPORTANT INFORMATION FOR STRUCTURAL ENGINEER AND RIGGING PERSONNEL.

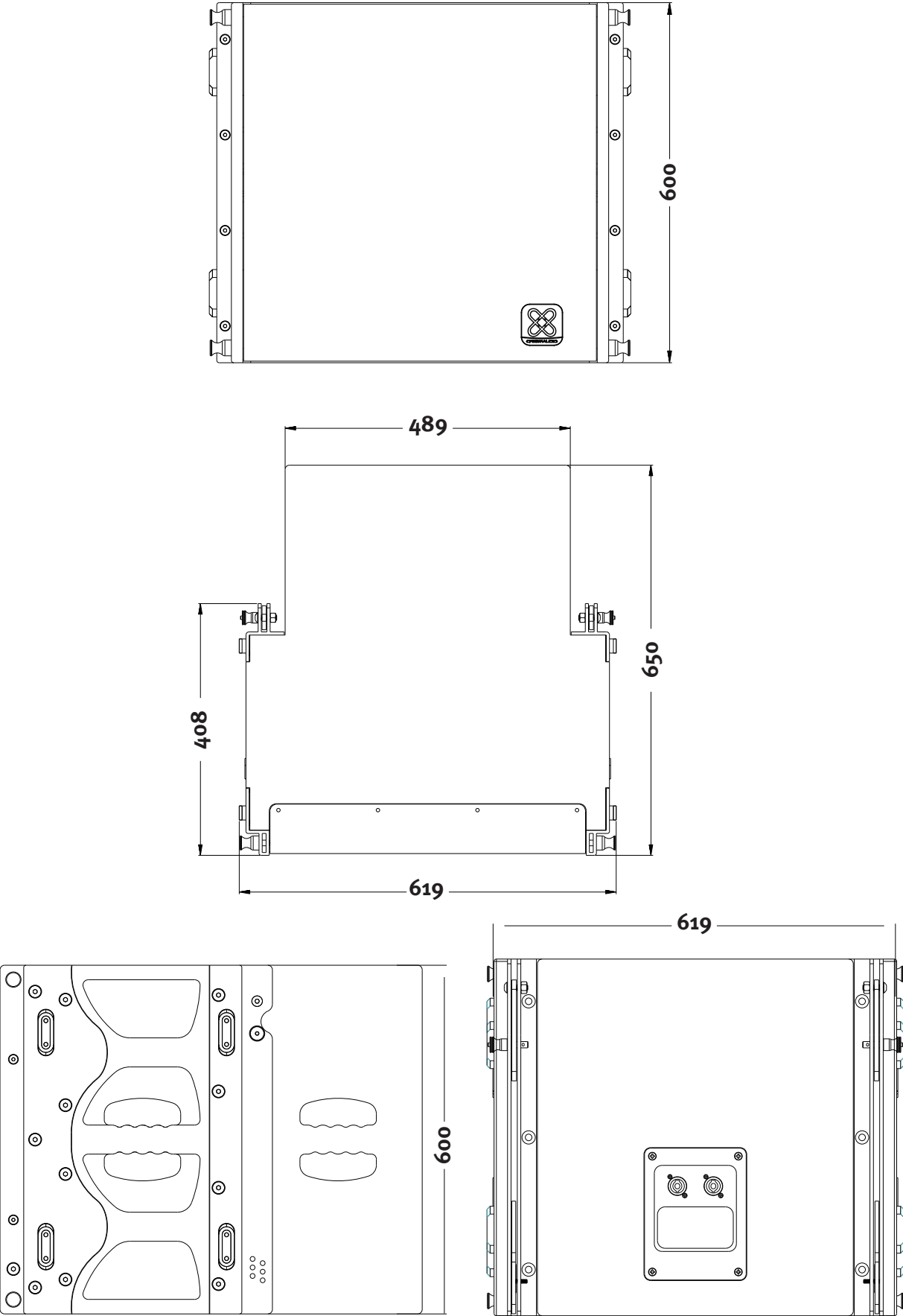
Before you fly the array, be sure to inspect the rigging and flying hardware to insure that it is mechanically sound and has not been damaged. There should be no significant distortion of the shape of the Halo coupling ears, cabinet straps, Angle Slider bracket or Rail, Pivot Bar or a fly bar, and the hardware should be checked for tightness.

CAUTIONS:

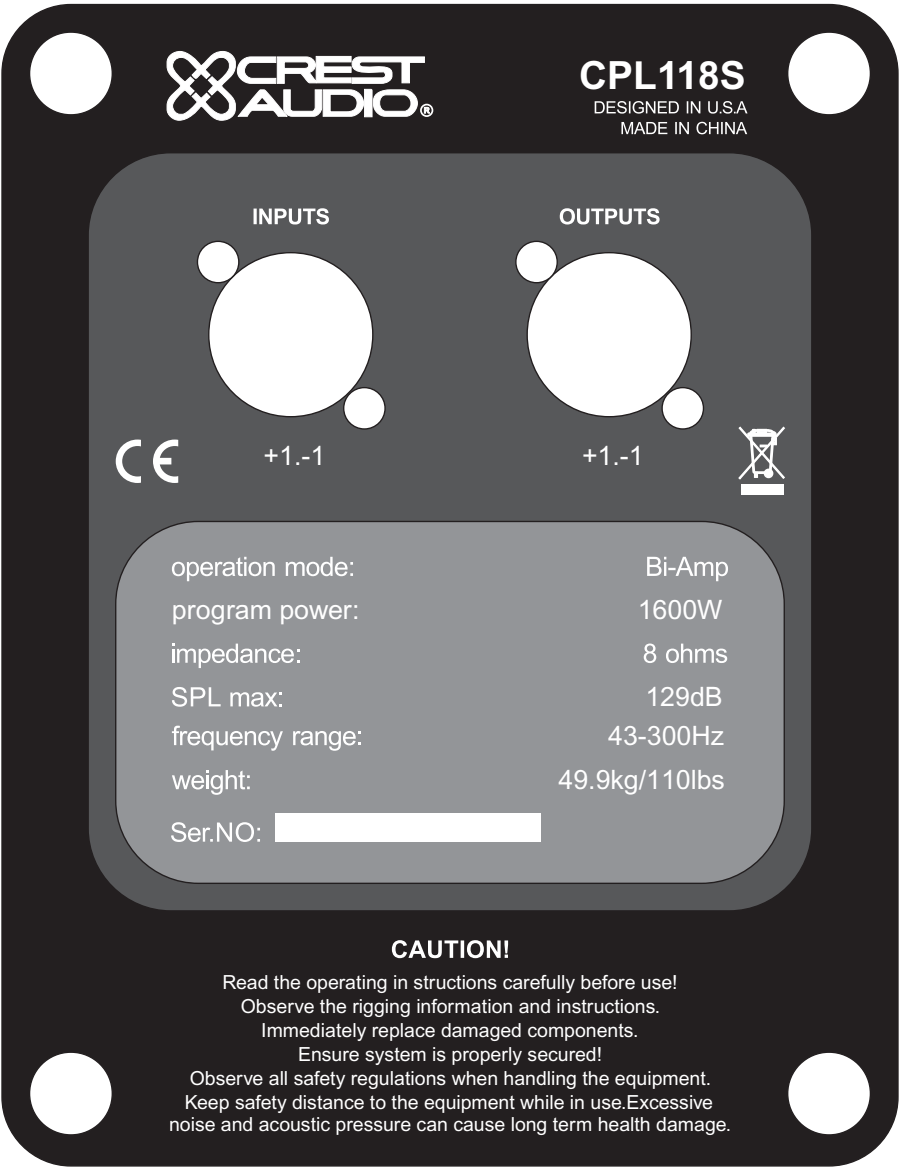
IF ANY OF THE BRACKETS, RAILS, CABINET STRAPS, PIVOT BAR OR THE FLY BAR HAS BEEN DAMAGED OR DISTORTED, DO NOT USE, AND DO NOT FLY THE ARRAY UNTIL THEY CAN BE REPLACED OR REPAIRED!

DO NOT USE THE PIVOT BARS AS HANDLES TO TRANSPORT THE CABINETS!

Dimensions:
Unit:mm



Input Cup





www.peaveycommercialaudio.com

Warranty registration and information for U.S. customers available online at
www.peaveycommercialaudio.com/warranty
or use the QR tag below



Features and specifications subject to change without notice.

Crest Audio 5022 HWY 493 N. Meridian, MS 39305 (601) 483-5365 FAX (601) 486-1278



Logo referenced in Directive 2002/96/EC Annex IV
(OJ(L)37/38, 13.02.03 and defined in EN 50419: 2005
The bar is the symbol for marking of new waste and
is applied only to equipment manufactured after
13 August 2005

A