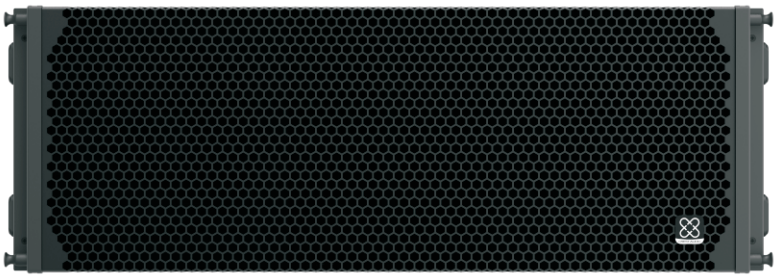
CPL™212
Line array speaker system

Operating
Manual



ENGLISH

CPL™212
Line array speaker system

Crest Audio CPL212 line array speaker system consists of two 12" neodymium magnet woofers, four 6.5" neodymium magnet midrange drivers and two 1.4" neodymium magnet compression driver with a highly flexible rigging system. Designed to provide modular coverage of medium to big venues and intended for use with the companion MS218B sub, the CPL212 offers extreme versatility and high performance.

The adjustable rigging system provides for a classic straight line array configuration, or a number of different angling options, providing easy aiming of the system. Angles between the array modules is adjustable from 0˚ (straight), to 10˚ in 1˚ increments. Total maximum angle between two cabinets is 10˚.

Quick release pins are supplied with the rigging hardware to couple the CPL212 modules together and set the angles between them for quick and easy field adjustments or re-configurations of a line array.

FEATURES:

- 3-way Bi-Amp Line Source Array System
- 2x12"neodymium magnet woofers
- 1400 watt continuous, 2800 watt program, 5600watt peak power handling
- 100° H by 13° V coverage pattern (per one cabinet)
- Easy aiming angle adjustment rigging system
- Angle adjustable in 1 degree increments from 0 to 10 degrees, total angel between adjacent cabinets
- Inputs are two Neutrik® Speakon® 8-pin jacks in parallel
- 18mm birch plywood construction

SPECIFICATIONS

Frequency response, 1meter on-axis,swept-sine in anechoic environment:
53Hz to 20kHz (-10dB, with processing)

Power handling:
Low Frequency Section: 2x500W continuous, 2x1000W program, 2x2000W peak
Mid Frequency Section: 400W continuous, 800W program, 1600W peak
High Frequency Section: 220W continuous, 440W program, 880W peak

Sound pressure level, 1watt, 1meter in anechoic environment:
Low Frequency Section: 102dB
Mid Frequency Section:101dB
High Frequency Section: 111dB

Maximum sound pressure level (1meter)*:
Low Frequency Section: 132dB SPL continuous 135dB SPL peak
Mid Frequency Section: 130dB SPL continuous 133dB SPL peak
High Frequency Section: 137dB SPL continuous 141dB SPL peak
∗Note: This spec is for one module at 1 meter, a line array of 6 units has much higher output at distance due to line source effect where SPL falls off at 3 dB per distance doubling rather than 6 dB

Nominal Radiation Angle measured at -6dB point of polar response:
100 degrees Horizontal by 13 degrees Vertical
(One module only, straight line array of more than 1 module narrows vertical dispersion accordingly)

Transducer complement:
Low Frequency Section: 2x12 in. neodymium magnet woofers, WAN123.00 neodymium 3" VC
Mid Frequency Section: 4x6.5in. neodymium magnet midrange drivers, MAN061.80 neodymium 1.8" VC
High Frequency Section: 2x1.4in. Compression Tweeters, DN14.30T neodymium 3" VC

Box Tuning Frequency (Sealed): Low Frequency Section: 64 Hz

Input Connections:
2x Neutrik®8-pin Speakon®Jack
Low Frequency 1: PIN 1+ = LF1+, PIN 1- = LF1-
Low Frequency 2: PIN 2+ = LF2+, PIN 2- = LF2-
Mid Frequency : PIN 3+ = MF+, PIN 3- = MF-
High Frequency: PIN 4+ = HF+, PIN 4- = HF-

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):
374 mm x 1079mm x 548 mm
14.72" x 42.48" x 21.57"

Net Weight:
62kg(136.4lbs)

Compression Tweeter Warnings and Cautions

Warning! Do not feed a full-range signal to the tweeters in the CPL212! This could damage the tweeters!

It is recommended that for set-up or testing purposes, a high frequency sweep starting or ending no lower than 300 Hz be used to verify that the tweeters are connected to the high frequency output of the crossover/processor. If the wiring has been swapped, and the signal is mistakenly fed to the woofers, output will fall off significantly above 5 kHz. Always double-check and test your wiring before applying any music signals to the system! The compression tweeters are connected to the Neutrik®Speakon®pins 4+ and 4-, as per industry standards.

Rigging Instructions

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 DISTORYED, 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.

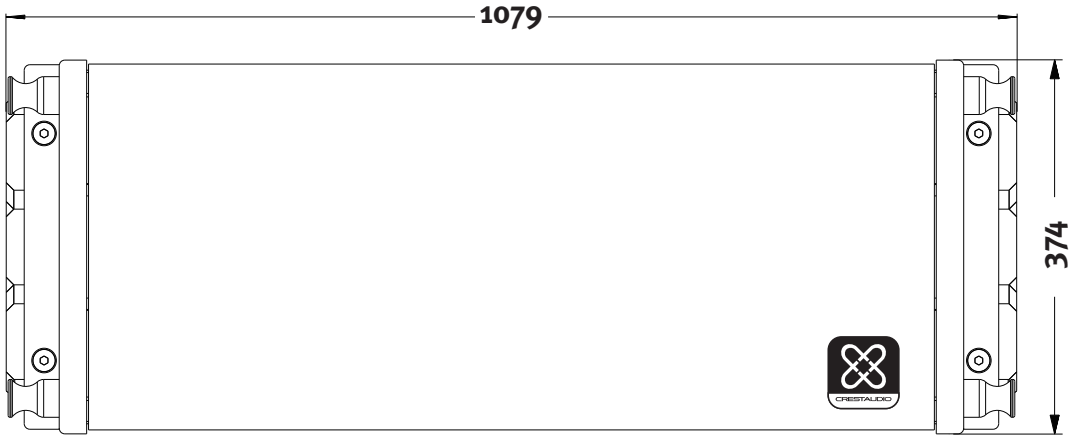
Use only the correct mating hardware. All associated rigging is the responsibility of others.

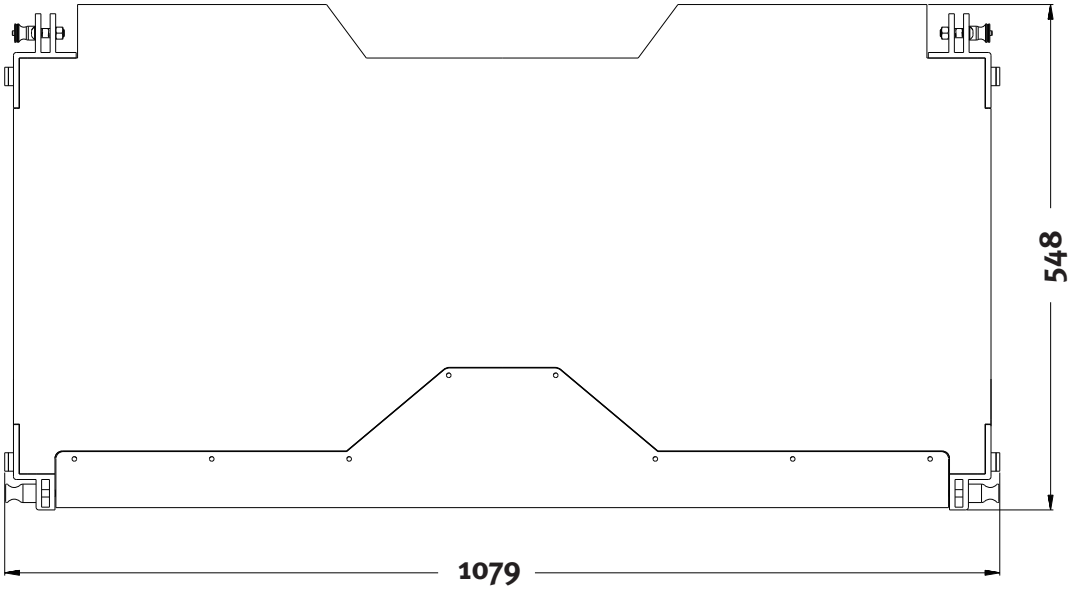
Correct use and seating of the Quick Release Push Lock Pins Used with all CPL™ rigging hardware.

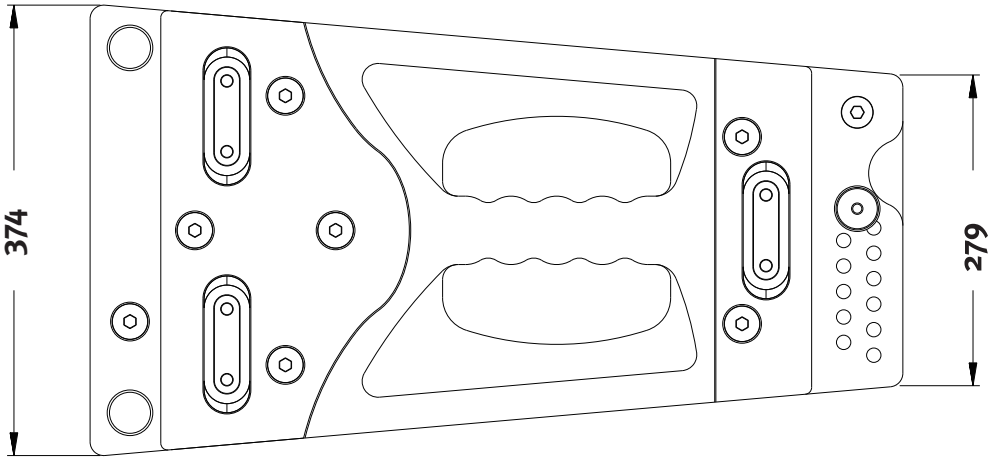
When using the Quick Release Positive Lock Pins, when the Quick Release Push Lock Pins are inserted, they should be fully seated, so that the black shoulder near the end of the pin has been placed flush with the side of the bracket, or as far in as the pin hole cavity will allow it to be inserted.
You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

Dimensions:

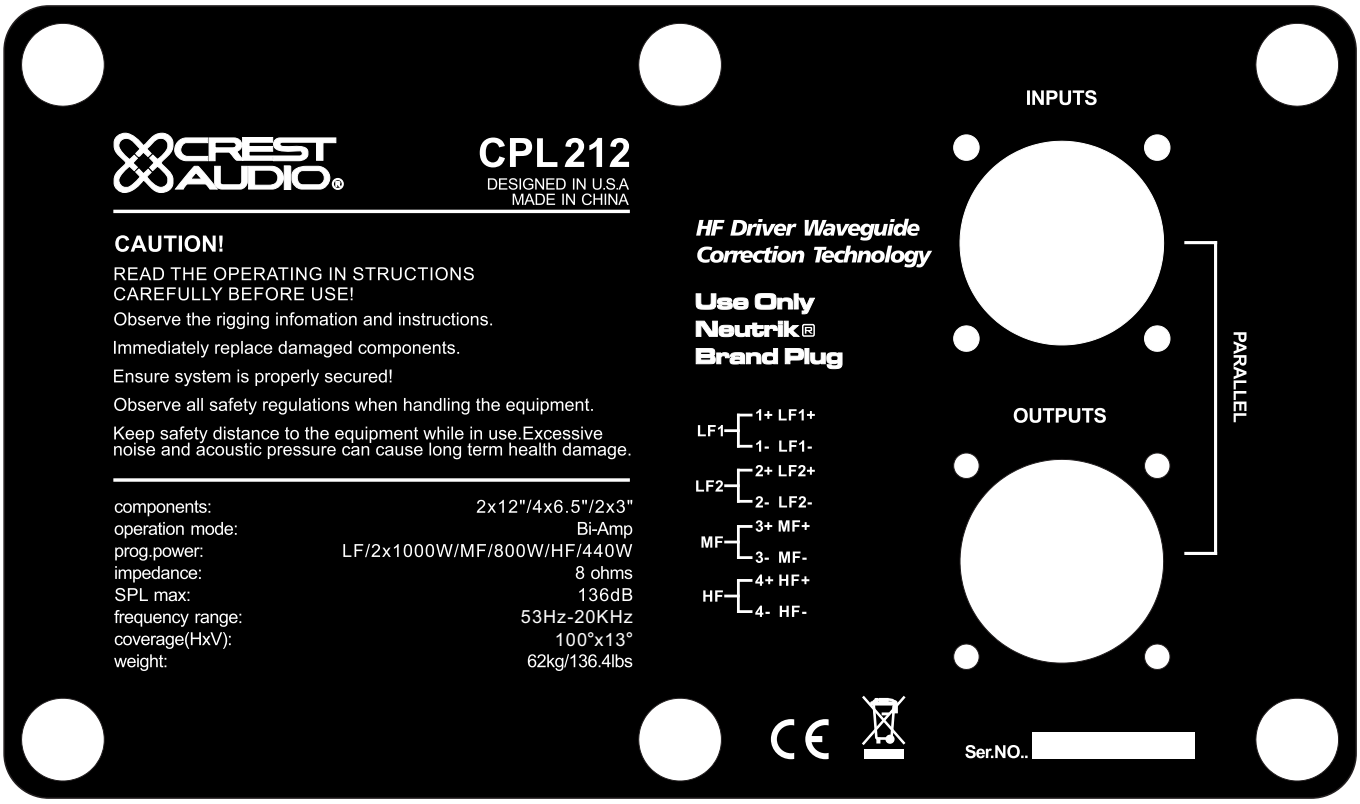
Unit:mm







Input Cup


CREST AUDIO®
CPL212
DESIGNED IN U.S.A
MADE IN CHINA
CAUTION!
READ THE OPERATING IN STRUCTIONS CAREFULLY BEFORE USE!
Observe the rigging infomation and instructions.
Immediately replace damaged components.
Ensure system is properly secured!
Observe all safety regulations when handling the equipment.
Keep safety distance to the equipment while in use.Excessive noise and acoustic pressure can cause long term health damage.
components: 2x12"/4x6.5"/2x3"
operation mode: Bi-Amp
prog.power: LF/2x1000W/MF/800W/HF/440W
impedance: 8 ohms
SPL max: 136dB
frequency range: 53Hz-20KHz
coverage(HxV): 100°x13°
weight: 62kg/136.4lbs
HF Driver Waveguide Correction Technology
Use Only Neutrik® Brand Plug
LF1 1+ LF1+ 1- LF1-
LF2 2+ LF2+ 2- LF2-
MF 3+ MF+ 3- MF-
HF 4+ HF+ 4- HF-
INPUTS
OUTPUTS
PARALLEL
Ser.NO..

CREST AUDIO®

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 speci cations 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