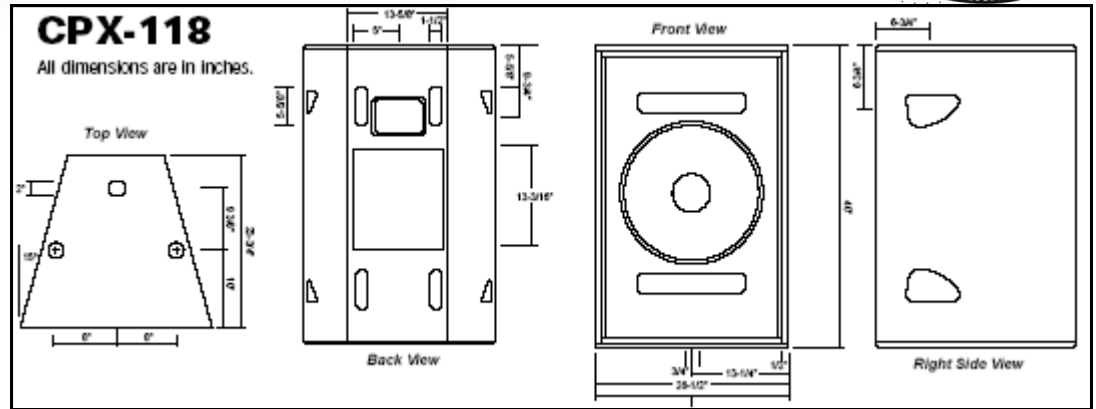


# Concert Pro-Ax Series Model CPX-118



## General

The CPX-118 is an arrayable and flyable trapezoidal extended low frequency speaker system that may be used in both fixed installations and portable applications. It uses a 1200 watt 18" transducer with a 4" voice coil cast frame coupled to a 17 lb./ 9.7 kg magnet assembly. Standard paint finishes are black, gray, white, or unfinished. Optionally a black "Road Coat" finish is available for enhanced durability and appearance.

## Application

The CPX-118 should be used when additional low frequency is needed to augment the full range CPX-1250 loudspeaker system below 80 HZ. Because of the internal rigging hardware and trapezoidal shape, the CPX-118 can be used and is ideally suited for suspended arrays.

## Construction

Thirteen-ply "Baltic Birch" (3/4" / 19 mm) is used in the cabinet construction. Additionally, a double top and bottom panel has been incorporated in the enclosure for unparalleled structural integrity.

All wood panels are glued and nailed with internal bracing throughout. All external surfaces are filled and sanded. Two coats of smooth paint and two coats of textured paint are applied to create a durable and an attractive finish. A polyurethane "Road Coat" finish is optionally available for enhanced durability. A weatherizing feature is also optionally available for outdoor applications.

For suspended operation the CPX-118 utilizes six steel rigging points (3 top, 3 bottom) that can be connected to aircraft type fittings. These six points are connected top to bottom with three pieces of 1/4" threaded rod. Transducer protection is accomplished with a 16 gauge perforated carbon steel grill that is enamel powder coated. Optional fabric grills are available (multiple colors).

## Flying Operation

**WARNING!!! RIGGING AND SUSPENDING THE CPX-118 SHOULD BE DONE BY PERSONS FAMILIAR WITH STANDARD RIGGING PRACTICES. IF YOU ARE NOT FAMILIAR WITH THESE PRACTICES, PLEASE CONSULT THE FACTORY, YOUR DEALER, THE LOCAL STAGE HANDS UNION, OR A RIGGING SUPPLY COMPANY IN YOUR AREA.** The CPX-118 is easily suspended or "flyable" via six rigging points. Three points are located on the top of the enclosure, and three points are located on the bottom of the enclosure. Each rigging point is constructed of an internal 3/16" thick carbon steel plate and connected to another carbon steel plate with 1/4" threaded rod running from the "top" points to the "bottom" points. This technique eliminates any stress on the wooden enclosure. There are two 1/4" 28-thread inserts installed in each of the steel plates. These thread inserts are used to secure the optional Flying Hardware Kits (FHKs) to the internal rigging.

An FHK consists of one flying hardware plate model FHP, one flying hardware tie-down model FHT, and two 1/4" 28-thread machine screws. The screws secure the FHP to the internal rigging. The FHT is an indexing ring

that slides and locks into the plate and is held in place with a spring. For additional protection, a safety latch pin is inserted into the shaft of the FHT that protects the FHT from being removed by accident or by "shock load" when lifting multiple enclosures. The FHT's ring is 1.12" in diameter and can be used with standard rigging hardware. You must use at least three FHK to suspend a CPX-118.

## Warranty

OAP Audio Pro Ax Series loudspeakers are guaranteed against failure due to workmanship and materials for a period of five (5) years from date of purchase and is limited to original purchaser. If such failure does occur, unit will be replaced or repaired (at the discretion of OAP Audio) without charge for labor or materials. Unit must be delivered to OAP Audio or one of its authorized service facilities prepaid. In warranty items will be returned prepaid. Items not covered by warranty includes finish or appearance items, burned coils, or failure due to operation under other than specified conditions. This warranty also does not include any incidental or consequential damages. Repair by other than OAP Audio or an authorized service facility will void this guarantee.

## Architectural Specifications

The loudspeaker shall be of the low frequency type and trapezoidal shape (15° taper). The loudspeaker shall incorporate one 18" transducer to cover the frequency range from 30 - 500 HZ + 3dB -3dB with an axial sensitivity of 96 dB, 1 watt@ 1 meter.) The system shall be constructed of 13-ply 3/4" (19 mm) void-free birch veneer plywood. All exposed corners shall be rounded and all hardware recessed for damage resistance. Six rigging points shall be provided for suspended operations to be used with optional aircraft type rigging fittings. The top and bottom shall be reinforced with steel plates and connected together with 1/4" threaded rod to facilitate rigging one system to another. The system shall be the OAP Audio CPX-118.

NOTE: As a research and development corporation, OAP Audio reserves the right to change specifications to improve performance.

## Specifications

Frequency Response	30 Hz to 500 Hz +3dB -3dB
System Sensitivity	96 dB 1 watt @ 1 meter
Low-Frequency Device	18" Cast Frame, 4" Voice coil
Impedance	8 ohm
Power Handling	1200 watts continuous program power
Input	NL4 or NL8 Speakon Connector or Barrier Strip
Dimensions	26.5" W x 40" H x 23.75" D
Weight	140 lbs.
Trapezoid Taper	15°
Flypoints	Six: 3 on top and 3 on bottom
Color	Black texture is standard with white and unfinished optional
Grill	Black powder coat enameled finish on 16 gauge perforated steel. White, Black, Pumice, and Wheat color fabric grills available

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