

INCREDIBLE OUTPUT POWER  
FROM A TINY FOOTPRINT LOUDSPEAKER SYSTEM



# MONACO

A dark, close-up photograph of a speaker component, showing a circular opening and a small screw. The word 'ROUTINE' is faintly visible on the surface.

**ROUTINE**

# MONACO Series

## OVERVIEW

Monaco 215 CX SP is a very powerful self-powered point-source system featuring 2 x 15" woofers plus coaxial 3" diaphragm compression driver.

Uniquely configured as a 'two-and-a-half' way system, this loudspeaker delivers audio performance approaching a three-way design with extended low frequency.

The built-in amplifier platform (SP version) with four selectable EQ presets and input gain enables to use this enclosure as part of a plug & play solution.

The maximum available power from the amplifier module is 2 x 1500 W EIAJ at 8 ohm, 6000 W peak (total). The SPL is 140 dB (peak @ 1 m).

Thanks to Outline's exclusive internal crossover designs, the passive version (Monaco 215 CX) can be driven by a single channel of amplification or can be bi-amped using two amplifier channels to drive the co-axial LF and Mid / HF sections separately.

Monaco series is loaded by an Outline proprietary moulded waveguide, which is coaxial to the 15" mid-woofer and provides low-pass acoustical loading on the woofer, increasing the efficiency in its usable bandwidth.

The all-wood 15 mm phenolic-glued Baltic birch enclosure features craftsmanship dovetail joinery construction protected by an epoxy powder coated, resonance-free steel grill over acoustically transparent foam. Every cabinet is coated with a high-tech black textured polyurea scratch free finish and custom RAL color repainting options are available for installations with specific cosmetic requirements.

Monaco is available in two versions: self-powered (Monaco 215 CX SP) and passive (Monaco 215 CX).

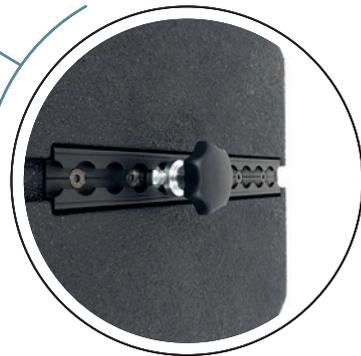


**SELF  
POWERED**





UB-ARN215CX



HP-ARN215CX



AH5740



KERL1000

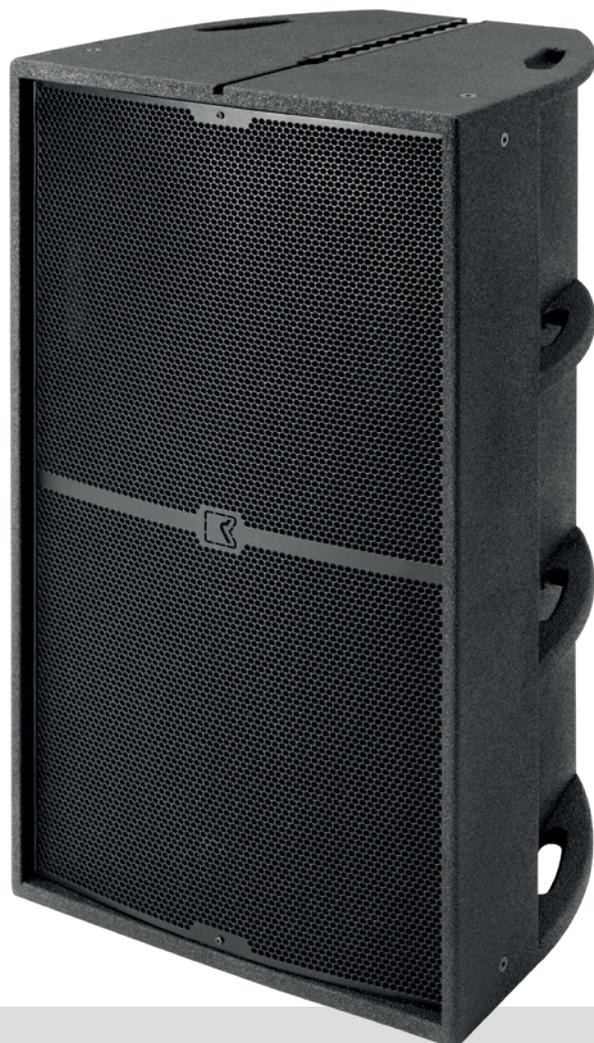


## APPLICATIONS

Medium/short throw system. A few units are ideal for live use in applications at medium sized concerts, with groups, bands and orchestras.

## RECOMMENDED OUTLINE SUBWOOFERS

SUB 218 / 218 SP or SUB 118 / 118 SP



# MONACO 215 CX SP

## FEATURES

- › Powerful full-range enclosure for portable and fixed applications
- › 2-way bi-amped PWM power module (1500 W EIAJ per channel) with 4 presets (1 specific preset for use with SUB 118 SP)
- › 2 x 15" woofers, bass reflex loaded plus coaxial 3" diaphragm compression driver
- › 'Two and a half way' system designed to maximise the impact of the two woofers while retaining the benefits of coaxial HF design
- › Precise directivity coverage (80° x 60°) with rotatable HF horn
- › Ergonomic, integral handles for easy handling
- › Various rigging options via included Smart Fix Rail System, multiple M8 points and 35 mm pole mount



## PERFORMANCE SPECIFICATIONS

<b>Frequency Response -10 dB</b>	50 Hz – 20 kHz
<b>Nominal Dispersion</b>	80° x 60° (H x V)
<b>Power amplifier</b>	Type: Class D (digital) Input impedance: 4.5 kΩ balanced Rated power: 2 x 1500 W EIAJ at 8 Ohm Cooling: Cooling Tunnel + Variable Speed Fan Special feature: selectable input gain and preset
<b>Maximum SPL Output*</b>	140 dB SPL

\* calculated using +10 dB Crest Factor signal @ 1 m, free field

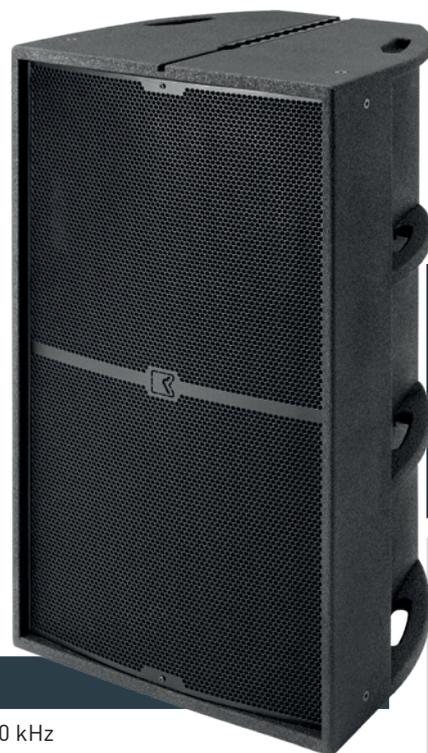
## PHYSICAL

<b>Component Low</b>	15" woofer
<b>Component Mid-Low (coaxial)</b>	15" woofer
<b>Component High (coaxial)</b>	3" diaphragm compression driver
<b>Loading Low</b>	Bass-reflex on its separate volume
<b>Loading Mid-Low</b>	Bass-reflex on its separate volume
<b>Loading High</b>	Coaxial rotatable moulded horn
<b>Connectors</b>	Audio: 1 Combo XLR / jack 6.35 mm TRS + 1 Link Out XLR Mains: 1 PowerCON True1 + 1 Link Out Control: USB Type B
<b>Cabinet Material</b>	Baltic birch plywood
<b>Cabinet Finish</b>	Black polyurea coating
<b>Grill</b>	Epoxy powder coated
<b>Installation Points</b>	11 x M8 threaded points / Smart Fix Rail system
<b>Pole Mount</b>	35 mm socket
<b>Handles</b>	8 handles
<b>Height</b>	940 mm – 37"
<b>Width</b>	480 mm – 18 7/8"
<b>Depth</b>	480 mm – 18 7/8"
<b>Weight</b>	42 kg – 92.6 lb

# MONACO 215 CX

## FEATURES

- > Powerful full-range enclosure for portable and fixed applications
- > 140 dB SPL peak
- > 2 x 15" woofers, bass reflex loaded plus coaxial 3" diaphragm compression driver
- > 'Two and a half way' crossover system designed to maximise the impact of the two woofers while retaining the benefits of coaxial HF design
- > Can be driven by a single amplifier channel or bi-amped
- > Precise directivity coverage (80° x 60°) with rotatable HF horn
- > Ergonomic, integral handles for easy handling
- > Various rigging options via included Smart Fix Rail System, multiple M8 points and 35 mm pole mount



## PERFORMANCE SPECIFICATIONS

<b>Frequency Response -10 dB</b>	50 Hz – 20 kHz
<b>Nominal Dispersion</b>	80° x 60° (H x V)
<b>Impedance Low (Nom/Min)</b>	8 Ω / 6.8 Ω
<b>Impedance Coaxial (Nom/Min)</b>	8 Ω / 7.2 Ω
<b>Watt AES Low (Continuous/Peak)</b>	600 W / 2400 W
<b>Watt AES Coaxial (Continuous/Peak)</b>	500 W / 2000 W
<b>Maximum SPL Output*</b>	140 dB SPL

*\* calculated using +10 dB Crest Factor signal @ 1 m, free field*

## PHYSICAL

<b>Component Low</b>	15" woofer
<b>Component Mid-Low (coaxial)</b>	15" woofer
<b>Component High (coaxial)</b>	3" diaphragm compression driver
<b>Loading Low</b>	Bass-reflex on its separate volume
<b>Loading Mid-Low</b>	Bass-reflex on its separate volume
<b>Loading High</b>	Coaxial rotatable moulded horn
<b>Connectors</b>	2 x NL4 in parallel / Low: pin 1+/1- / Coaxial: pin 2+/2-
<b>Cabinet Material</b>	Baltic birch plywood
<b>Cabinet Finish</b>	Black polyurea coating
<b>Grill</b>	Epoxy powder coated
<b>Installation Points</b>	11 x M8 threaded points / Smart Fix Rail system
<b>Pole Mount</b>	35 mm socket
<b>Handles</b>	8 handles
<b>Height</b>	940 mm – 37"
<b>Width</b>	480 mm – 18 7/8"
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