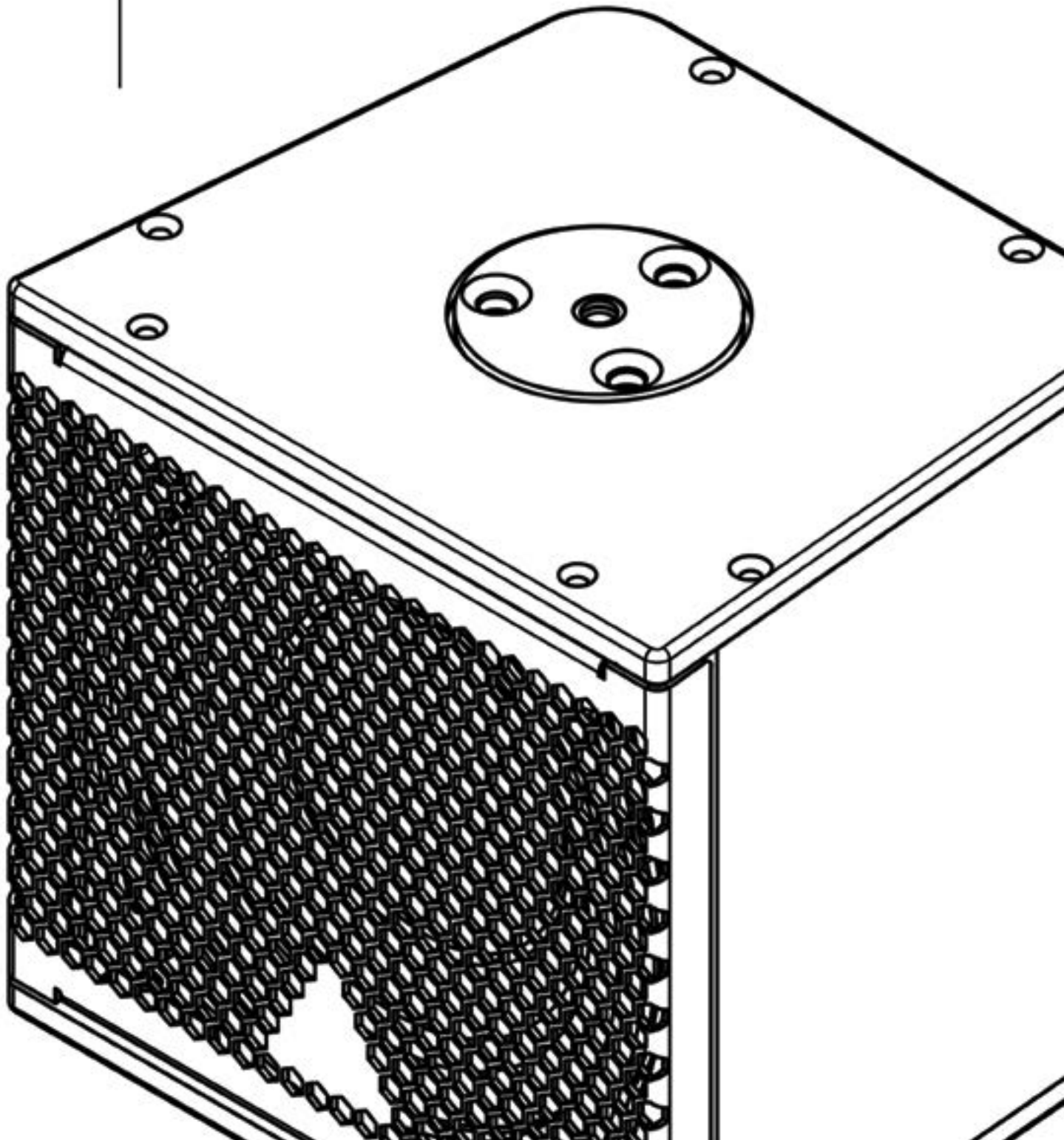


IS5c

USER MANUAL
Distribution Date: May 10, 2022



IS5c User Manual

Distribution Date: May 10, 2022

Copyright 2022 by Adamson Systems Engineering Inc.; all rights reserved

This manual must be accessible to the person operating this product. As such, the product owner must store it in a safe place and make it available upon request to any operator.

Resale of this product must include a copy of this manual.

This manual can be downloaded from

<https://www.adamsonsystems.com/en/support/downloads-directory/is-series/is5c>

Declarations

EU Declaration of Conformity

Adamson Systems Engineering declares that the products stated below are in conformance with the relevant fundamental health and safety criteria of the applicable EC Directive(s), in particular:

Directive 2014/35/EU: Low Voltage Directive
IS5c - 968-0003, 968-5003

Directive 2006/42/EC: Machinery Directive
IS5c Tilt Bracket - 934-0046, 934-5046



Signed at Port Perry, ON, CA - May 10, 2022

A handwritten signature in blue ink, appearing to read 'Brock Adamson', is written over a horizontal dashed line.

Brock Adamson (President & CEO)

ADAMSON SYSTEMS ENGINEERING, Inc.
1401 Scugog Line 6, Port Perry (ON), L9L 1B2, Ontario,
Canada
T: +1 905 982 0520, F: +1 905 982 0609
Email: info@adamsonsystems.com
Website: www.adamsonsystems.com

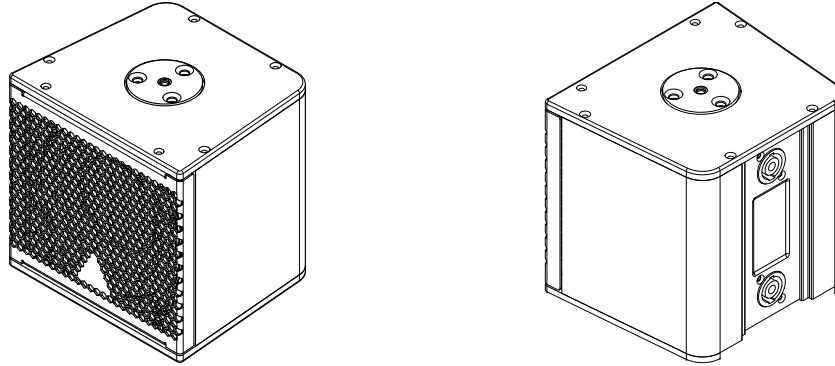


1. [Safety & Warnings](#)
2. [Product Introduction](#)
3. [Wiring](#)
4. [Amplification](#)
5. [Presets](#)
6. [Weatherized](#)
7. [Technical Specifications](#)

<https://www.adamsonsystems.com/en/support/downloads-directory/is-series/is5c>

IS5c

IS5c Ultra Compact Point Source

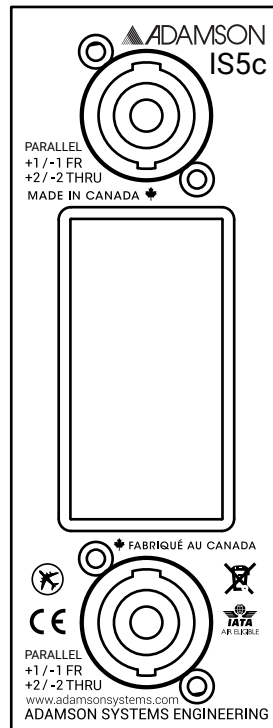


- The IS5c is an ultra-compact, light-weight, point source enclosure with a 100° conical dispersion pattern. It contains a passive crossover with a 1.4" dome compression driver coaxially combined with a 5" low frequency transducer.
- The operational frequency range of the IS5c is 95Hz to 20kHz. A high maximum SPL of 123 dB.
- The enclosure has an unobtrusive visual design which blends seamlessly into the surrounding space, is made of marine grade birch plywood, and has steel rigging discs on the top and bottom, to be used with rigging accessories. Without sacrificing low resonance to composite material, the IS5c weighs only 2.25 kg / 5 lbs.
- The IS5c is intended to be used as either a standalone system, or a fill enclosure in tandem with other IS-Series products. The IS5c is designed to pair easily and coherently with all IS-Series subwoofers.
- The IS5c is designed for use with Lab.gruppen's D-Series line of installation amplifiers. The nominal impedance of the IS5c is 16 Ω , maximizing amplifier efficiency.

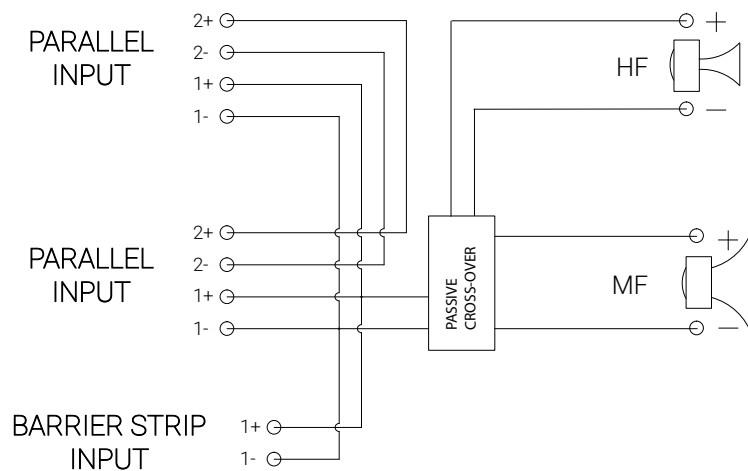
IS5c

Wiring

- The **IS5c** (968-0003, 968-5003) comes with 2x Neutrik Speakon™ NL4 connections, wired in parallel, as well as an external barrier strip.
- Pins 1+/- are connected to the internal crossover.
- Pins 2+/- are not connected.



IS5c Jackplate



IS5c Internal Wiring

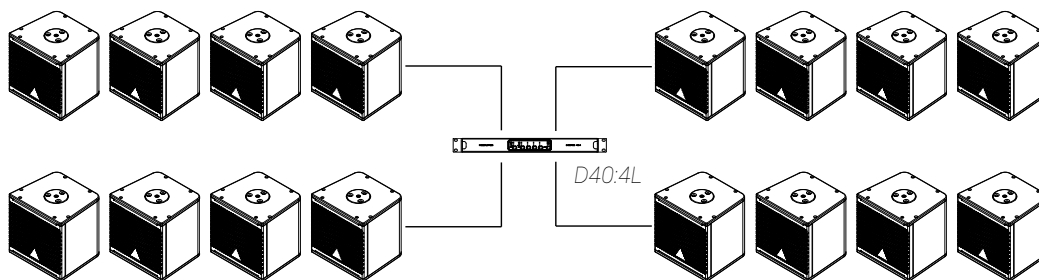
IS5c

Amplification

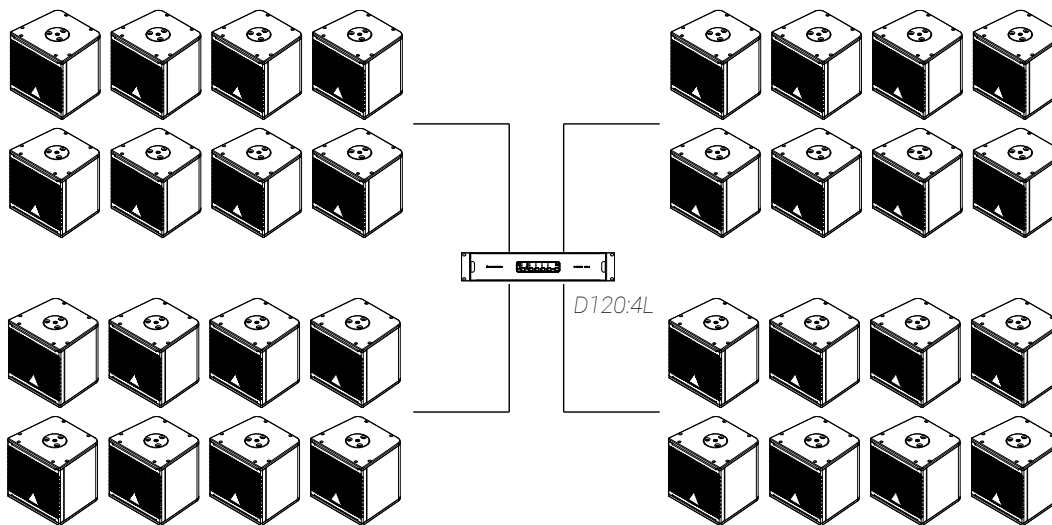
The IS5c is paired with Lab.gruppen **D-Series** amplifiers.

Maximum quantities of the IS5c per amplifier model are shown below.

For a master list, please refer to the Adamson Amplification Chart, found [here](#), on the Adamson website.



4 IS5c max per channel and
16 max total on a D40 amplifier



8 IS5c max per channel and
32 max total on a D80, D120,
or D200 amplifier

IS5c

Presets

The [Adamson Load Library](#) contains presets designed for the deployment of the IS5c. There are presets designed to pair with either Adamson subs, or Adamson Line Arrays. For a master list, please refer the Adamson PLM & Lake Handbook, found [here](#), on our website.

Cabinet Configuration

Applicable Preset

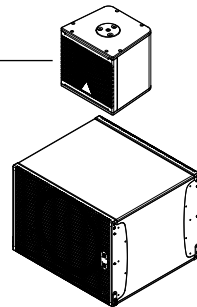
Cabinet Configuration



CC IS5c FR
Fullrange Mode

CC IS5c Xo100
Low Cut at 100 Hz

*Add 5ms of delay for
alignment of IS-Series Subs at
same distance*



Weatherized

IS-Series weatherized models add an additional layer of environmental and corrosion protection to Adamson's already durable cabinet design. Weatherized enclosures are ideal for marine and coastal venues, outdoor stadiums, open-air performance spaces, and other permanent outdoor installations.

IS-Series weatherized cabinets are rated IP55 and feature the following additional protective features.

Corrosion resistance

Corrosion resistance extends the lifetime performance of your system in outdoor venues where water, salt and acidity can impact durability and function.

All structural steel elements of Adamson weatherized cabinets – including rigging and rigging links – are made of a high yield strength stainless steel alloy that offers 100% corrosion resistance.

Cabinet hardware is made of non-plated stainless steel, designed to provide exceptional rust and corrosion resistance, particularly in high-saline environments.

Environmental sealing

Additional protection of the cabinet helps ensure that loudspeaker performance isn't impeded by the harsh environments in which your system is deployed.

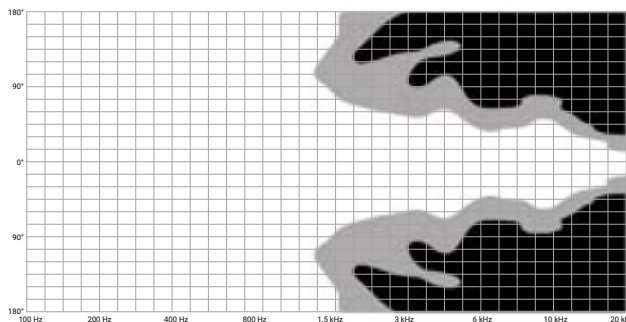
To guard against water and particle intrusion, the same two-part polyurea coating that gives Adamson cabinets their life-extending exterior protection is applied to the interior of the enclosure, creating a complete seal. Weatherized models feature an exterior coating with a distinctive smooth finish that allows for easy cleaning and removal of contaminants like dirt, grime, salt water or sand.

To protect against dust and other particles, a fine stainless steel mesh has been added to all points of entry including behind the front grille screens.

Cabling for the IS-Series weatherized cabinets is pre-wired and protected inside a gasket-sealed jackplate, with gland nuts in place to seal the connection points.

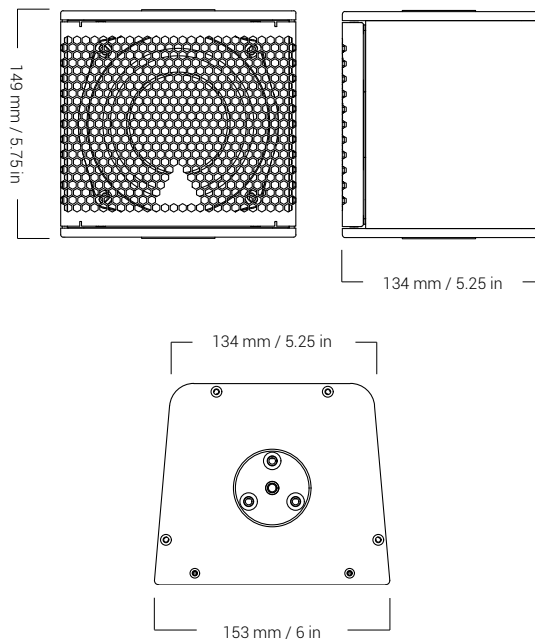
IS5c

Technical Specifications



IS5c Dispersion Pattern (Conical)

Frequency Range (- 10 dB)	95 Hz - 20 kHz
Nominal Directivity (-6 dB) H x V	100° Conical
Maximum Peak SPL**	123 dB
Coaxial Component	5" LF / 1.4" Dome Compression Driver
Nominal Impedance	16 Ω
Power Handling (AES / Peak) LF	125 / 500 W
Rigging	Top and Bottom mini-SLR discs, each containing 3/8" threaded insert
Connection	2x Speakon™ NL4 and 2-Point Barrier Strip
Height (mm / in)	149 / 5.75
Width Front (mm / in)	153 / 6
Width Rear (mm / in)	134 / 5.25
Depth (mm / in)	134 / 5.25
Weight (kg / lbs)	2.25 / 5
Colour	Black & White (Standard), RAL Colours (On Demand)
Processing	Lake



**12 dB crest factor pink noise at 1m, free field, using specified processing and amplification