SX118+

Compact, direct radiating subwoofer

Features

- Compact, direct radiating reflex-loaded subwoofer
- 18” (460mm) long-excursion driver, 4” (100mm) voice coil, neodymium motor, waterproof cone
- High output capability
- Tour-grade plywood enclosure with M10 mounting points
- Available in black or white

Applications

- Touring sound reinforcement for small and medium-size venues
- Fixed installations in concert halls, theatres, ballrooms and houses of worship
- Sports stadiums, arenas and corporate AV events
- Restaurants, bars and hotel entertainment areas
- Concourses and theme parks

The SX118+ is a compact, high-performance subwoofer that extends the system’s low-frequency operating range to 38 Hz and delivers impressive output for such a compact enclosure.

It features a long-excursion 18 in (460 mm) driver with a 4 in (100 mm) voice coil, a water-resistant cone and a triple-roll surround in a compact reflex enclosure. The driver design maximises output while minimising power compression and distortion. The four reflex ports have a large frontal area to reduce turbulent air noise at very high levels and the internal port geometry promotes laminar airflow.

The enclosure is built from multi-laminate birch ply, finished with a durable polyurethane coating and fitted with a stainless-steel grille, twin grab handles, skids, M10 mounting points (with internal brackets) for installation and a threaded pole socket for pole-mounting point-source loudspeakers. Cabinet wheels and a transit cover are available as optional accessories.

Compared with the SX118, the SX118+ (Q2 2026) is an all-new design with enhanced performance and features. It is slightly larger, so it uses a new transit cover, and it includes new drivers and an improved cabinet.

The SX118+ adds a third NL4 input connector on the front to improve cabling for subwoofers used in cardioid configurations. For outdoor use, you no longer need a WRKIT, but you must seal all three NL4 sockets. Use the correct cable connectors (NLT4FX or NLT4FX-BAG) for connected sockets and install a Martin Audio weatherproof NL4 sealing plug in any unused socket.

The SX118+ has two LED indicators, one on the front and one on the back, which you can illuminate via Vu-Net software to identify each enclosure on the circuit. The rear LED is intended for use in cardioid setups.

Martin Audio Ltd
Century Point, Halifax Road, High Wycombe
Buckinghamshire HP12 3SL, England

Telephone: +44 (0) 1494 535 312
Email: info@martin-audio.com

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www.martin-audio.com

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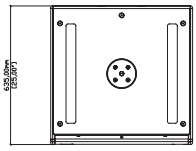
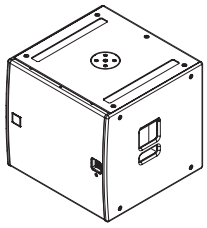
Technical Specifications

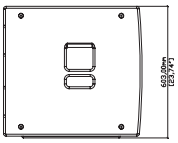
TYPE	Compact, direct radiating reflex-loaded subwoofer
FREQUENCY RESPONSE (1)	38Hz – 100Hz ±3dB, -10dB @ 31Hz
DRIVER	18 in (460 mm) long-excursion driver with 4 in (100 mm) aluminium voice coil, neodymium motor with T-pole and demodulation ring, waterproof cone
RATED POWER (2)	1500W AES, 6000W peak
RECOMMENDED AMPLIFIER	iK41, iK42, iK81, bridged for full output
	For details, see SX118+ User Guide
SENSITIVITY (3)	99.5 dB
MAXIMUM SPL (2, 3)	131dB continuous, 137dB peak
	143dB peak with crest factor 4
NOMINAL IMPEDANCE	8 ohms
DISPERSION (-6dB)	Omni-directional or cardioid when paired
ENCLOSURE	Multi-laminate birch ply
FINISH	Textured black or white paint
PROTECTIVE GRILLE	Black or white perforated stainless steel
ENVIRONMENTAL TESTING (4)	IP rating IP21 MIL-STD-810H ISO 4892-2 Solar Radiation ISO 12944-6 Category C3 Corrosion resistance
LED INDICATORS	Two LEDs: one front, one rear (rear LED for cardioid subs)
CONNECTORS	3 x NLT4MPXX-BAG (one front, two rear)
	IP54 weather-resistant seal with NLT4FX, NLT4FX-BAG or weatherproof NL4 sealing plug
PIN CONNECTIONS (INPUT ON FRONT)	1+/1-
PIN CONNECTIONS (INPUT ON REAR)	1+/1-
PIN CONNECTIONS (LINK ON REAR)	1+/1- linked to 1+/1-
	2+/2- linked to 2+/2-
FITTINGS	Two skids on base, with mating channels on top
	M20 top-mounted thread plate for pole mounting
	20 x M10 mounting points, 5 on top, 5 on bottom, 4 on left, 4 on right, 2 on back
	2 x bar handles, one on each side
	16 x M8 inserts for optional castors
DIMENSIONS (INCL SKIDS)	(W) 650 mm x (H) 603 mm x (D) 634 mm (762 mm with castors)
	(W) 25.6 in x (H) 23.7 in x (D) 25.0 in (30.0 in with castors)
WEIGHT	49.2 kg (109 lbs), 52.5 kg (116 lbs) with castors
ACCESSORIES	Pack of four castors WHEELKIT
	M10 eye bolt HTKCT06
	Weatherproof NL4 sealing plug
	Transit Cover SX118+TC

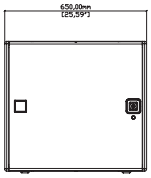
Notes

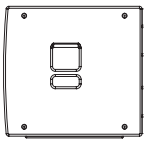
(1) On-axis in open space (4 pi) at 1 m.
(2) Tested for 2 hours with band-limited pink noise as specified in AES2-1984 (r2003). Peak power defined as 6 dB above AES power.
(3) In half space (2 pi) at 1 m with 1 watt input and band-limited pink noise.
(4) For details, see martin-audio.com/environmentaltesting

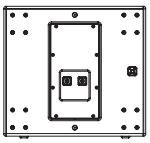


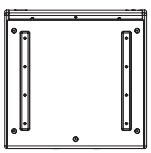












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Environmental Testing

IEC 60529 Ingress Protection

This standard defines the IP rating system, which classifies the degree of protection an enclosure provides against the ingress of solid objects (dust) and liquids (water).

Rating Scale

FIRST DIGIT (Solid Object Protection): Scale 0-6
0 No protection
1 Objects >50mm (hands)
2 Objects >12.5mm (fingers)
3 Objects >2.5mm (tools, wires)
4 Objects >1mm (small wires)
5 Dust protected (limited ingress)
6 Dust-tight (no ingress)
SECOND DIGIT (Liquid Protection): Scale 0-8
0 No protection
1 Dripping water (vertical)
2 Dripping water (15° tilt)
3 Spraying water (60° angle)
4 Splashing water (all directions)
5 Water jets (low pressure)
6 Powerful water jets
7 Temporary immersion (1m, 30 min)
8 Continuous immersion (depth specified)

MIL-STD-810H

This U.S. Department of Defense standard specifies environmental tests to evaluate the ability of equipment to withstand harsh environmental conditions.

What it Tests

Temperature:
- Low temperature (storage and operation)
- High temperature (storage and operation)
- Temperature shock

Humidity:
- Constant and cyclic humidity testing

Solar Radiation:
- UV exposure testing at high intensity

Salt Fog/Salt Spray:
- Corrosion resistance testing

Rain & Water:
- Rain (blowing and dripping)

Dust & Sand:
- Particle resistance

Vibration & Shock:
- Mechanical stress testing

ISO 4892-2 Solar Radiation

This standard defines laboratory methods for exposing plastics and other materials to xenon arc lamps to simulate the effects of natural sunlight (UV radiation and visible light).

What it Tests

Colour fading/change
Gloss loss
Surface cracking
Material degradation
Physical property changes

ISO 12944-6 Corrosion Resistance

This standard outlines laboratory test methods for assessing the performance of protective paint systems against corrosion in various atmospheric environments.

Category	Exterior Environment	Interior Environment
C1 (Very Low)	Not Applicable	Heated buildings with clean atmospheres (e.g. offices, shops, schools, hotels)
C2 (Low)	Atmospheres with low pollution (mostly rural areas)	Unheated buildings where condensation can occur (e.g. depots, sports halls)
C3 (Medium)	Urban/industrial atmospheres with moderate SO_2 pollution; coastal areas with low salinity	Production rooms with high humidity and some pollution (e.g. food plants, laundries)
C4 (High)	Industrial/coastal areas with moderate salinity	Chemical plants, swimming pools, coastal shipyards

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