



Install
Sound



IL 218 Sub

A high-performance, direct-loaded subwoofer with extremely low-ranging, powerful and precise bottom-end response, the IL 218 Sub reinforces fullrange cabinets with enhanced low-frequency performance. Designed for large theaters, halls, clubs, live venues and applications demanding high sound pressure levels,

it is the perfect complement to HK AUDIO® IL 12.1, IL 12.2, IL 15.1, and IL 15.2 enclosures.

The IL 218 Sub is a subwoofer geared toward extending the low-range frequency response of HK AUDIO® IL 12.1, IL 12.2, IL 15.1, and IL 15.2 cabinets. It is loaded with two direct-radiating 18" conical loudspeakers housed in a bass reflex enclosure.

und reinforcement application requiring high sound pressure levels in the low-frequency range.

The IL 218 Sub's hallmarks are a very powerful and low bottom end and dynamic response even at high levels. It is an excellent addition to fullrange and mid-/high-range systems for any so-

The IL 218 Sub must be operated in combination with an outboard active crossover or a hi-cut filter. For the greatest operating safety, best performance and most convenient handling, we recommend using the HK AUDIO® Digital Field Controller (DFC).

Architectural specifications

The professional subwoofer enclosure shall be loaded with two 18" bass speakers mounted in a rectangular precision-tuned bass reflex housing constructed of 19 mm-thick MDF and painted with either black or white acrylic enamel. The speakers shall be protected by an impact-resistant steel grille backed with glued-on acoustic foam. The base of the enclosure shall incorporate flush-mounted M6-style threaded bushings for accepting optionally available casters.

The frequency response of the subwoofer shall extend from 39 Hz to approximately 250 Hz (+/- 3 dB). The axial sensitivity shall measure 104 dB @ 1W/1m under half-space conditions. The maximum sound pressure level shall be 133 dB at 10% THD under half-space conditions.

The subwoofer shall have a power-handling capacity of 1200 watts RMS, and an impedance of 4 ohms.

There shall be two types of input connectors: one Neutrik NL 4 Speakon® connector, and one pair of binding posts.

The exterior dimensions shall be 129 cm wide x 52 cm tall x 70 cm deep, and the unit shall weigh 62 kg (136.4 lbs).

A set of 100-mm casters (4" wheels) shall be available as an optional accessory.

The subwoofer shall be the HK AUDIO model **IL 218 Sub**.

Item number:

- black: G 182143
- white: G 182153

Enclosure design and mechanical appointments

The IL 218 Sub's housing is made of 19-mm MDF coated with acrylic enamel. Cabinets ship in the standard colors black or white. The enclosure is shaped in a rectangular block. Covering its front baffle is an impact-resistant steel grille backed with laminated acoustic foam rubber. Four rubber stops on the bottom panel hold the cabinet securely in place. The rubber pads may also be attached to the side panel for greater setup flexibility. Located on the back of the IL 218 Sub are countersunk M6 bits threaded to accept optionally available casters.

The IL 218 Sub weighs 62 kg. It is 129 cm wide, 52 cm high and 70 cm deep.

Connectors are located on a countersunk panel on the back of the IL 218 Sub. This panel offers a four-pin Speakon® port. The IL 218 Sub's pin assignments are pin 1+ / pin 1- (wired in parallel with pin 2+ / pin 2-).

The IL 218 Sub is also equipped with parallel-wired binding posts allowing the use of speaker cords lacking plugs.

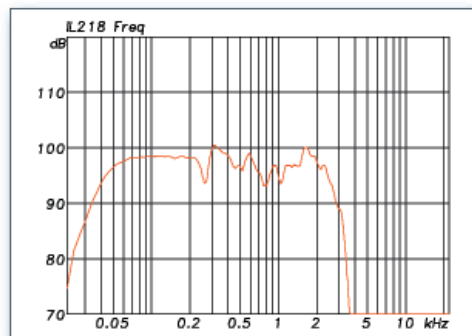
Electrical and acoustical data

The IL 218 Sub is loaded with two 18" conical chassis speakers. Its frequency response ranges from 32 Hz to approximately 250 Hz.

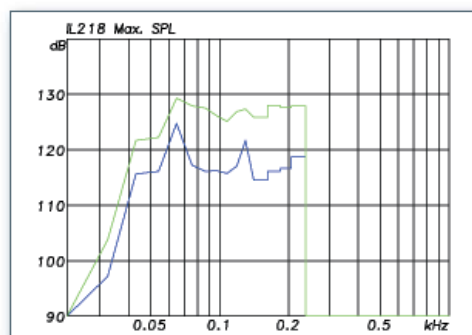
The IL 218 Sub's nominal power handling capacity is 1200 watts RMS at 4 ohms impedance. It delivers 104 dB (1W/1m) SPL, measured under half-space conditions.

Maximum SPL measured under the same conditions at a distance of one meter is 133 dB at 10% THD.

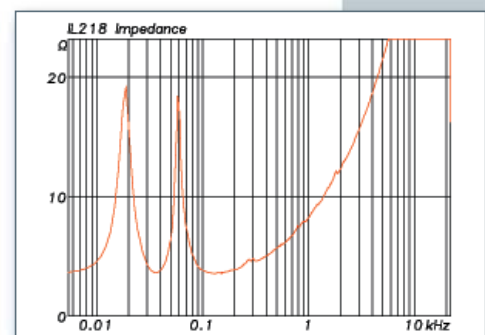
Measurement charts



Frequency Response



Max. SPL



Impedance

Complementary fullrange enclosures suitable for use as mid/ high cabinets

The following HK AUDIO® Installation Line fullrange enclosures are well-suited for supplementing the IL 118 Sub subwoofer:

IL 12.1

A two-way, fullrange cabinet geared for high-quality voice and music reinforcement in theaters, pubs, sports arenas and multipurpose halls, clubs, etc., the IL 12.1 may be deployed as a fullrange

or mid-/high-range cabinet in combination with the HK AUDIO® subwoofers IL 115 Sub, IL 118 Sub or IL 218 Sub. It is the first-choice enclosure for assertive, clear speech

and music reinforcement for short- to medium-throw applications. Passive crossover on board.



IL 12.2

Tuned for voice and music applications, this fullrange cabinet offers extraordinary phase linearity, highest speech intelligibility, and considerable dynamic range. The IL 12.2 may be deployed

as a fullrange or mid-/high-range cabinet in configurations with a subwoofer such as the IL 115 Sub. It is the consummate cab for voice and music applications demanding high sound

pressures levels. Passive crossover on board.



IL 15.1

This fullrange cabinet delivers enhanced low-end response and considerable power handling capacity for high-quality voice and music sound reinforcement in bars, live venues, smaller clubs,

theaters, and so forth. The IL 15.1 may be deployed as a fullrange or mid-/high-range cabinet in combination with the HK AUDIO® subwoofers IL 115 Sub, IL 118 Sub or

IL 218 Sub. Packing a mighty punch and rendering voices and music with utmost clarity, this cab is ideal for short- to medium-throw applications. Passive crossover on board.



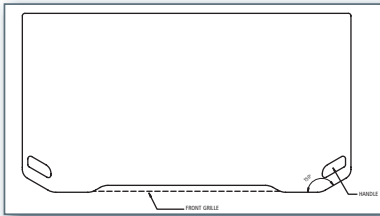
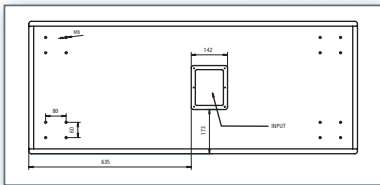
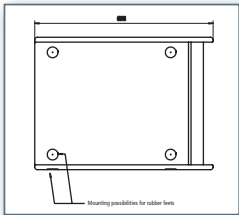
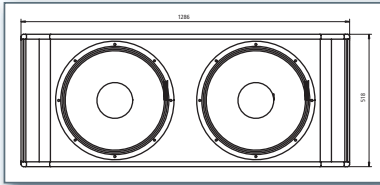
IL 15.2

Designed for voice and fullrange applications, this cabinet's extraordinary phase linearity, highest speech intelligibility, and great dynamic range with powerful low-end response predestine it for use in theaters, sports

and multipurpose arenas, live venues, clubs, etc. The IL 15.2 may be deployed as a fullrange or a mid-/high-range cabinet in configurations with a subwoofer such as the HK AUDIO® IL 118 Sub or IL 218 Sub.

It is the consummate choice for voice and music applications demanding high sound pressures levels with enhanced low-end performance.





Technical specifications

Loudspeakers

Power handling nominal (RMS):	1200 W
Power handling (program):	2400 W
Power handling (peak, 10 ms)	4800 W
Impedance:	4 ohms
Frequency response (± 3 dB):	39 Hz to approximately 250 Hz
Frequency response (-10 dB):	32 Hz to approximately 250 Hz
Axial sensitivity (1W/1m, half-space):	104 dB
Maximum SPL (3 % THD, half-space):	124 dB
Maximum SPL (10% THD, half-space):	133 dB
Maximum SPL (calculated at peak):	141 dB
Woofer:	2x 18"

Connectors

Ports:	1 Speakon® NL4, 1 set of binding posts
Pin assignments:	Speakon®: 1+ / 1- wired in parallel with 2+ / 2-

Housing

Material:	19 mm MDF
Coating:	black or white acrylic enamel
Front cover:	impact-resistant protective steel grille
Fittings:	M6 threaded bits for attaching optionally available casters
Weight:	62 kg / 136.7 lbs.
Dimensions (W x H x D):	129 cm x 52 cm x 70 cm 50 6/8" x 20 4/8" x 27 5/8"

Accessories

- 100 mm casters

Service items

- 18" speaker



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