

iLINE SERIES

1 - Safety information

Important safety information



This product contains non-isolated electrical components. Do not undertake any maintenance operation when it is switched on as it may result in electric shock.



This unit is intended for indoor use only. Do not use it in a wet, or extremely cold/hot locations. Failure to follow these safety instructions could result in fire, electric shock, injury, or damage to this product or other property.



Any maintenance procedure must be performed by a CONTEST authorised technical service. Basic cleaning operations must thoroughly follow our safety instructions.

Symbols used



This symbol signals an important safety precaution.



The CAUTION symbol signals a risk of product deterioration.



The WARNING symbol signals a risk to the user's physical integrity. The product may also be damaged.

Instructions and recommendations

1 - Please read carefully :

We strongly recommend to read carefully and understand the safety instructions before attempting to operate this unit.

2 - Please keep this manual :

We strongly recommend to keep this manual with the unit for future reference.

3 - Operate carefully this product :

We strongly recommend to take into consideration every safety instruction.

4 - Follow the instructions:

Please carefully follow each safety instruction to avoid any physical harm or property damage.

5 - Avoid water and wet locations :

Do not use this product in rain, or near washbasins or other wet locations.

6 - Installation :

We strongly encourage you to only use a fixation system or support recommended by the manufacturer or supplied with this product. Carefully follow the installation instructions and use the adequate tools.

Always ensure this unit is firmly fixed to avoid vibration and slipping while operating as it may result in physical injury.

7 - Ceiling or wall installation :

Please contact your local dealer before attempting any ceiling or wall installation.

8 - Ventilation :

The cooling vents ensure a safe use of this product, and avoid any overheating risk. Do not obstruct or cover these vents as it may result in overheating and potential physical injury or product damage. This product should never be operated in a closed non-ventilated area such as a flight case or a rack, unless cooling vents are provided for the purpose.

9 - Heat exposure :

Sustained contact or proximity with warm surfaces may cause overheating and product damages. Please keep this product away from any heat source such as a heaters, amplifiers, hot plates, etc...

CAUTION

RISK OF ELECTRIC SHOCK

DO NOT OPEN

WARNING : This unit contains no user-serviceable parts. Do not open the housing or attempt any maintenance by yourself. In the unlikely even your unit may require service, please contact your nearest dealer.
In order to avoid any electrical malfunction, please do not use any multi-socket, power cord extension or connecting system without making sure they are perfectly isolated and present no defect.

Sound levels

Our audio solutions deliver important sound pressure levels (SPL) that can be harmful to human health when exposed during long periods. Please do not stay in close proximity of operating speakers.

Recycling your device

- As HITMUSIC is really involved in the environmental cause, we only commercialise clean, ROHS compliant products.
- When this product reaches its end of life, take it to a collection point designated by local authorities. The separate collection and recycling of your product at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

10 - Electric power supply :

This product can only be operated according to a very specific voltage. These information are specified on the label located at the rear of the product.

11 - Power cords protection:

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at lugs, convenience receptacles and the point where they exit from the fixture.

12 - Cleaning precautions :

Unplug the product before attempting any cleaning operation. This product should be cleaned only with accessories recommended by the manufacturer. Use a damp cloth to clean the surface. Do not wash this product.

13 - Long periods of non use :

Disconnect the unit's main power during long periods of non use.

14 - Liquids or objects penetration :

Do not let any object penetrate this product as it may result in electric shock or fire. Never spill any liquid on this product as it may infiltrate the electronic components and result in electric shock or fire.

15 - This product should be serviced when :

Please contact the qualified service personnel if :

- The power cord or the plug has been damaged.
- Objects have fallen or liquid has been spilled into the appliance.
- The appliance has been exposed to rain or water.
- The product does not appear to operate normally.
- The product has been damaged.

16 - Inspection/maintenance :

Please do not attempt any inspection or maintenance by yourself. Refer all servicing to qualified personnel.

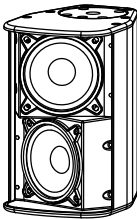
17 - Operating environment :

Ambient temperature and humidity: +5 - +35°C, relative humidity must be less than 85% (when cooling vents are not obstructed).

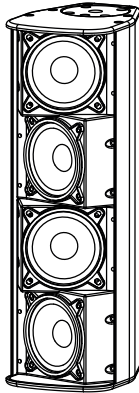
Do not operate this product in a non-ventilated, very humid or warm place.

2 - iLINE series components (except fixation systems and covers)

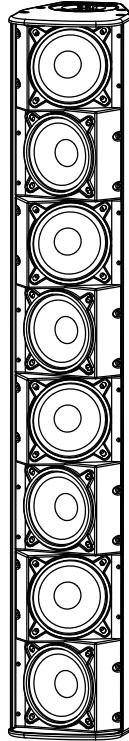
2 - 1 : Column speakers



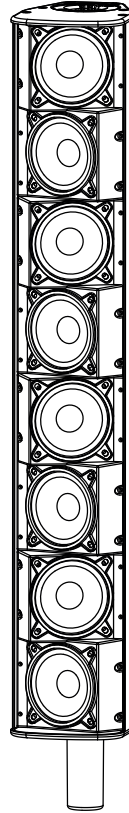
iLINE23/iLINE23w - H10752/H10934
2 x3" Loudspeaker - 40W - 16Ω



iLINE43/iLINE43w - H10754/H10936
4 x3" Loudspeaker - 80W - 8Ω

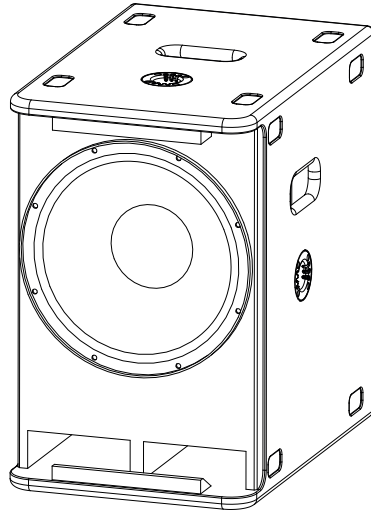
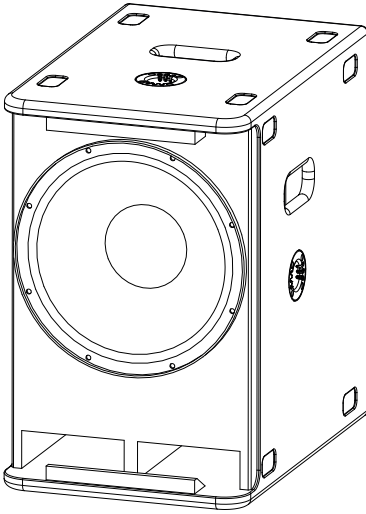


iLINE83/iLINE83w - H10756/H10938
8 x3" Loudspeaker - 160W - 16Ω



iLINE83B/iLINE83Bw - H10758/H10939
8 x3" Loudspeaker - 160W - 16Ω
Baseplate connector

2 - 2 : Subwoofers



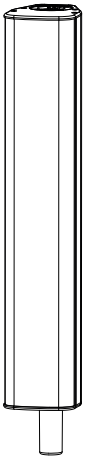
iLINEsub12A/iLINEsub12Aw - H10761/H10943

- 700W + 700W / 4Ω Active subwoofer
- 4-point Speakon input / output lowband/and full range
- Customizable DSP
- Powercon power input/output

iLINEsub12P/iLINEsub12Pw - H10763/H10944

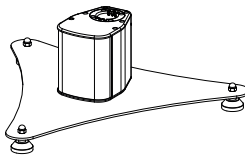
- 400W / 8Ω Passive subwoofer
- 4-point Speakon input / output bass/full range

2 - 3 : Support systems with built-in connectors



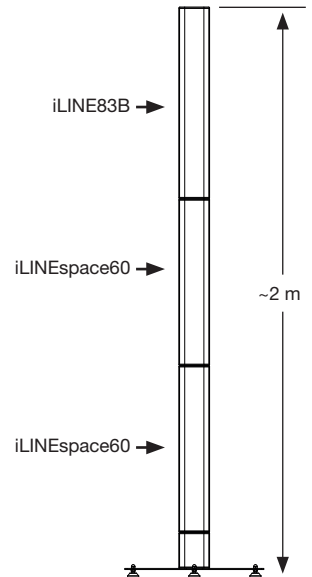
**iLINEspace60/iLINEspace60w
H10759/H10942**

- 60cm Extension for iLINE83B
- Signal connection via male and female baseplates



**iLINEbase/iLINEbasew H10760/
H10941**

- Ground support for iLINEspace and iLINE83B
- Speakon connector and female baseplate connector

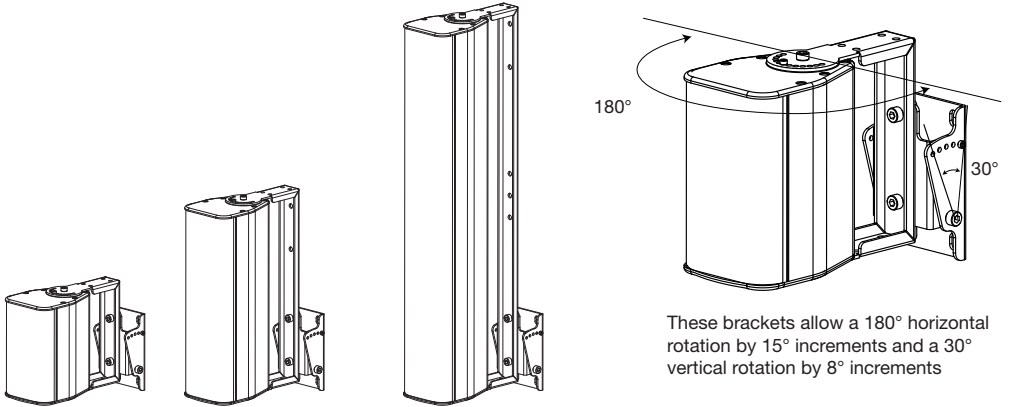


Sample configuration

2 - 4 : Wall brackets

These brackets are designed for iLINE23, iLINE43 and iLINE83 column speakers

These speakers are supplied with a 35mm baseplate, which needs to be changed in order to fit these wall brackets.



These brackets allow a 180° horizontal rotation by 15° increments and a 30° vertical rotation by 8° increments

iLINE23Sup - H10753

Bracket for iLINE23

iLINE23supw - H10935

Bracket for iLINE23w

iLINE43Sup - H10755

Bracket for iLINE43

iLINE43supw - H10937

Bracket for iLINE43w

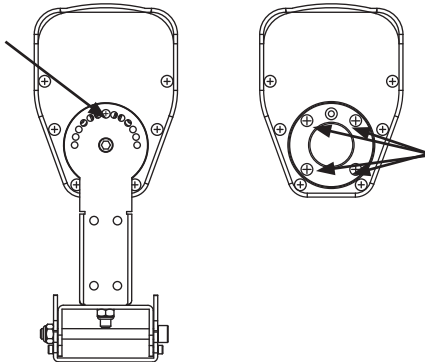
iLINE83Sup - H10757

Bracket for iLINE83

iLINE83supw - H10940

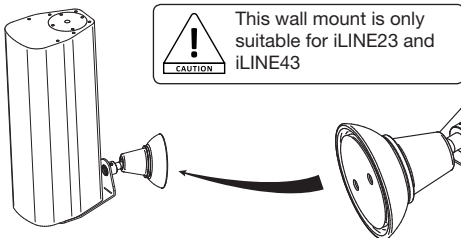
Bracket for iLINE83w

Tightening screw allowing to adjust the orientation

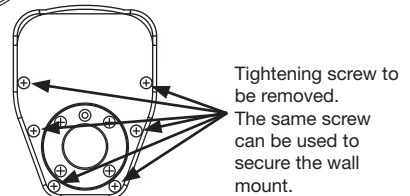


Tightening screw to be removed to change the 35mm baseplate. The same screw can be used to secure the adequate baseplate

2 - 5 : iLINE24sup/iLINE24supw - H10773/H10945 : Adjustable wall mount for iLINE23 et iLINE43



To install this wall mount, remove the 6 screws from the bottom of the speaker, place the wall mount and reposition the screws through the bracket.



Tightening screw to be removed. The same screw can be used to secure the wall mount.

3 - Installation and use

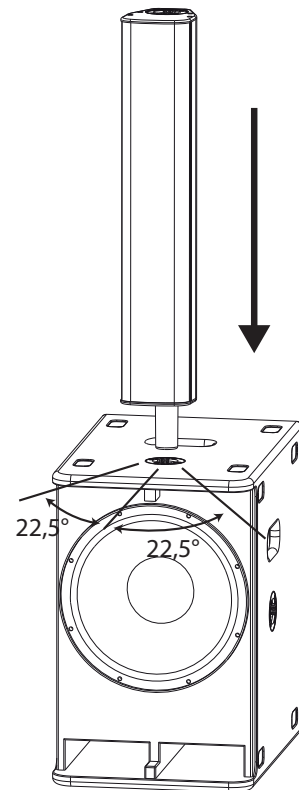
3 - 1 : Installation

Please make sure you are using an even and stable surface.
iLINEsub12A and iLINEsub12P subwoofers can be set either horizontally or vertically.

We recommend to position your iLINEsub12P on top of your iLINEsub12A if you decide to use two subwoofers (iLINEsub12A and iLINEsub12P) Connect the two subwoofers together using the Speakon/Speakon cable reference iLINEcord60.
Place the iLINEspace60 on top, then finally place your iLINE83B.

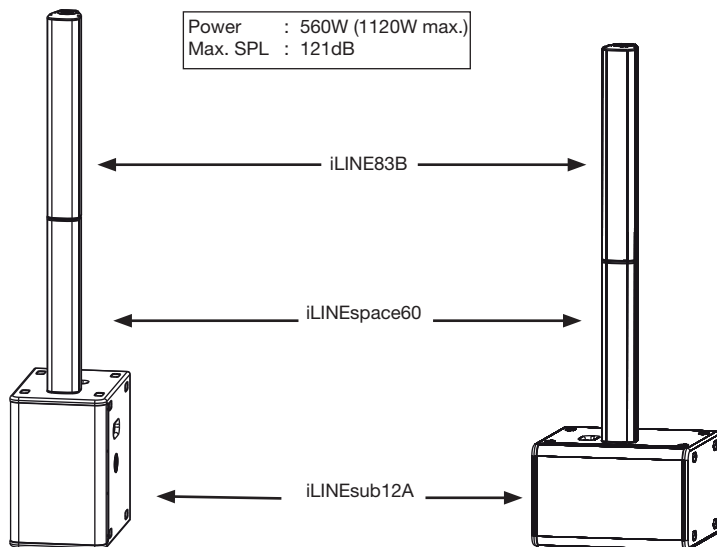
Note The baseplate allows a rotation from the subwoofer of approximately 22,5°.

Each iLINEsub12A subwoofer can handle (maximum):
- 1 iLINEsub12P subwoofer
- 2 iLINE83B column speakers

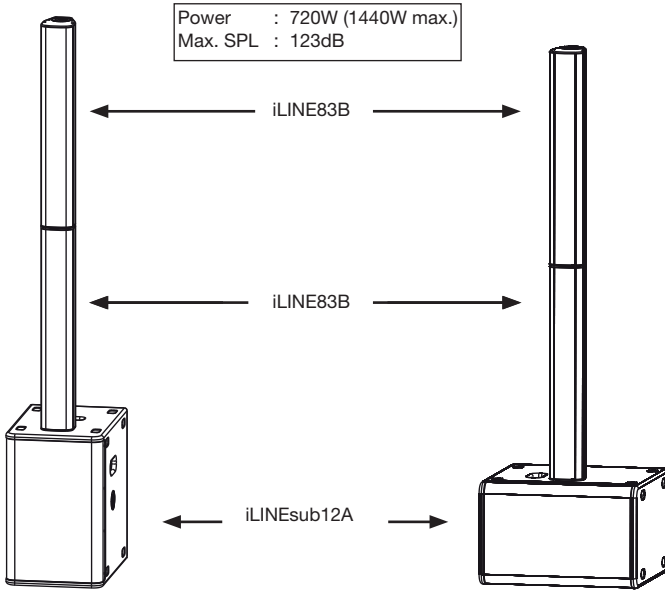


3 - 2 : Various configurations

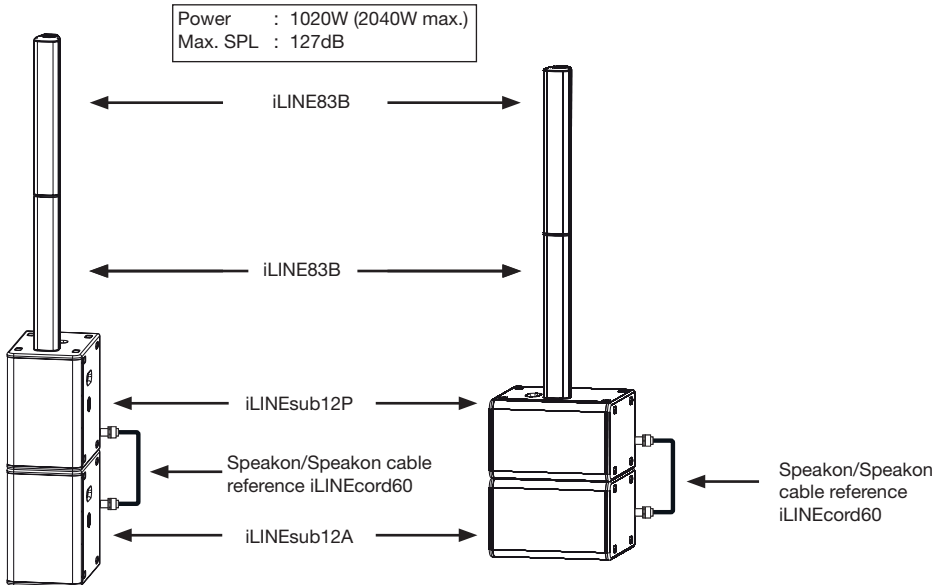
Mode 1



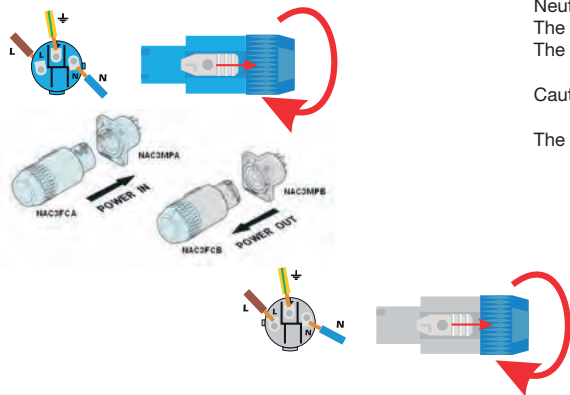
Mode 2



Mode 3



3 - 2 : Power connection



The power socket of your iLINEsub12A is a Powercon® Neutrik®.

The blue plug is used for power connection.

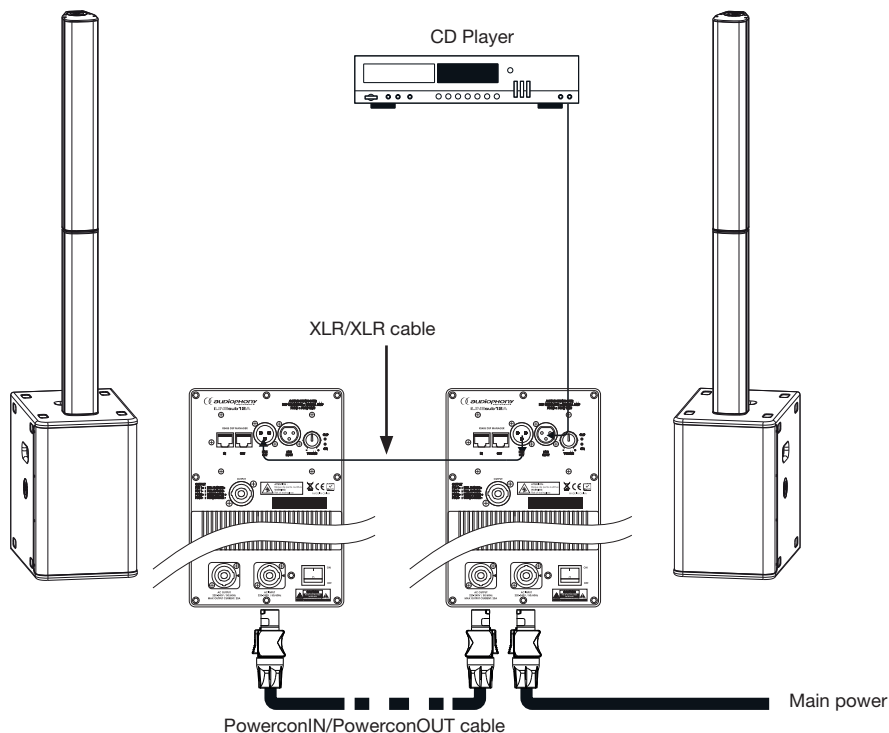
The grey plug is used to transfer power to other units.

Caution: max power via this plug is 20A (4600W at 240V).

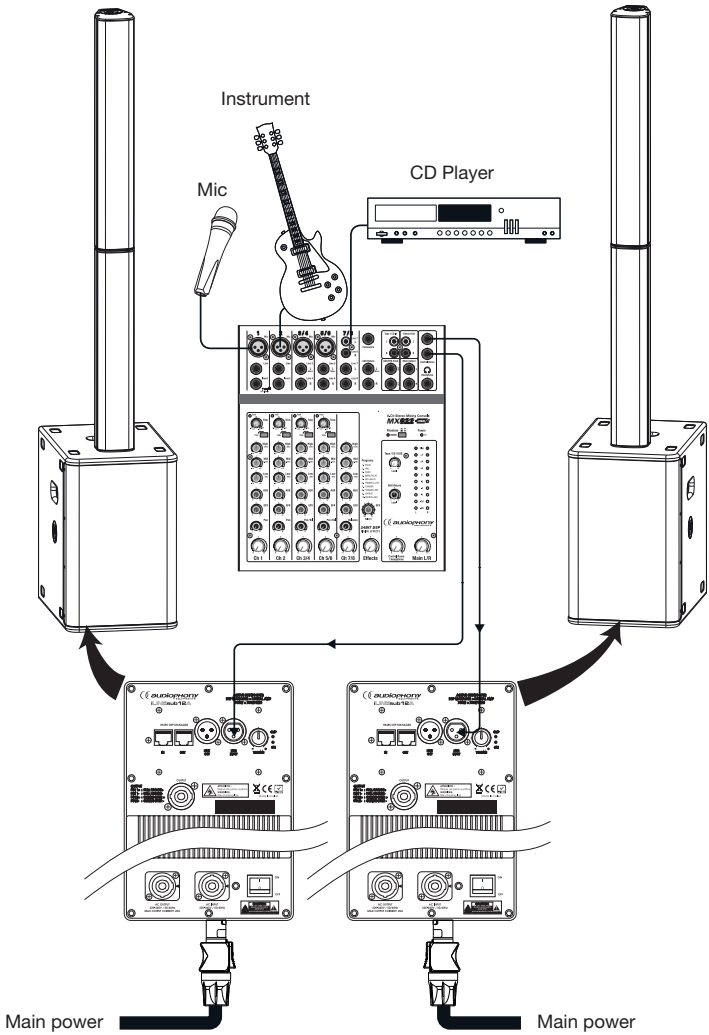
The wiring principle is described on the image hereby.

3 - 3 : Connection principle to a line-level signal

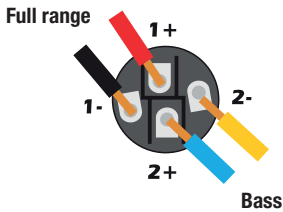
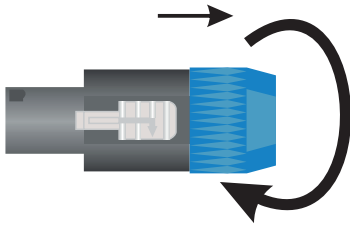
Mono mode in daisy-chain



Stereo mode



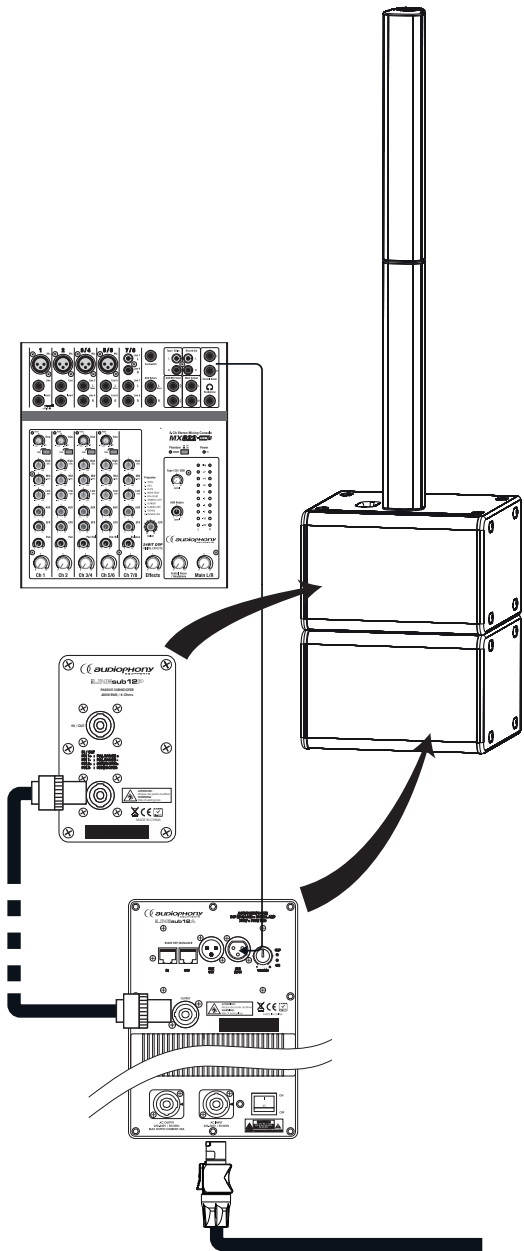
Double-subwoofer mode



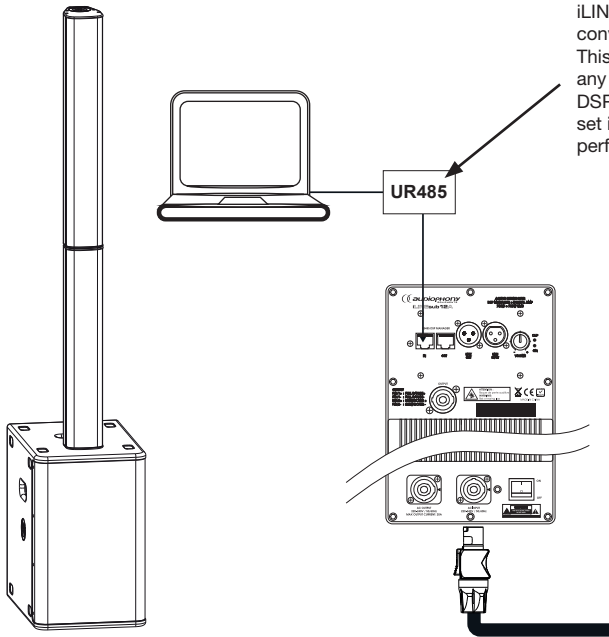
iLINEcord60 - H10764
4-point SpeakOn cord - 60 cm

When using two subwoofers (iLINEsub12A and iLINEsub12P), they must be connected together via the optional iLINEcord60 cord. This cord features 2 x 4-point SpeakOn connectors hardwired as follows:

- Pin 1+ : Full range positive signal
- Pin 1- : Full range negative signal
- Pin 2+ : Bass positive signal
- Pin 2- : Bass negative signal



3 - 4 : Configuring DSP by connecting to a computer



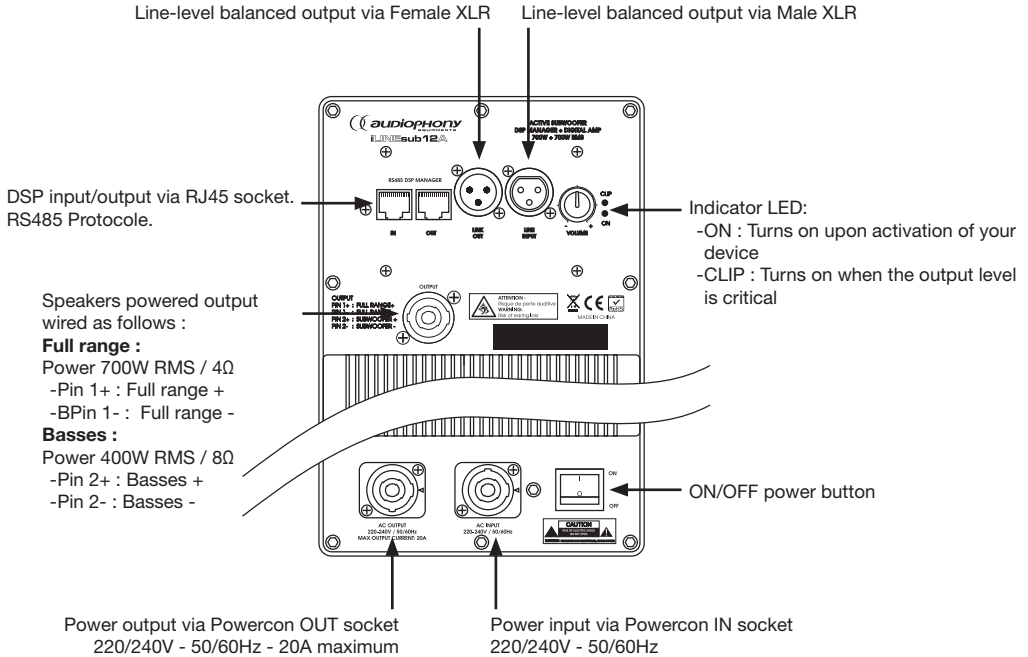
iLINEbox USB to RJ45 converter.
This converter is required for any DSP settings.
DSP parameters are factory set in order to ensure optimal performances.



CAUTION: Altering the DSP settings may cause severe damage to your loudspeakers.
Audiophony cannot be held responsible for any damage caused to loudspeakers after altering these settings.



4 - Amplification module



5 - Optional transport cover

There are two optional transport covers :

iLINEbag - H10767

This cover allows to transport two columns inLINE 83B. It is provided with a removable partition to avoid the friction of the two speakers against each other.

iLINEcov - H10768

This house protects the iLINEsub12A and iLINEsub12P subwoofer.

6 - Technical specifications

	iLINE23 - H10752 iLINE23w - H10934	iLINE43 - H10752 iLINE43 - H10936	iLINE83 - H10754 iLINE83 - H10938	iLINE83B - H10758 iLINE83Bw - H10939	iLINEsub12P - H10763 iLINEsub12Pw - H10944	iLINEsub12A - H10761 iLINEsub12Aw - H10943
Power output	40W RMS / 80W max. 135 Hz - 17 KHz	80W RMS / 160W max. 135 Hz - 17 KHz	160W RMS / 320W max. 135 Hz - 17 KHz	160W RMS / 320W max. 135 Hz - 17 KHz	400W RMS - 800 W max. 50 - 200 Hz	700W / 4Ω + 700W / 4Ω 50 - 200 Hz
Frequency response (1W/1m)	89 dB	92 dB	95 dB	95 dB	96 dB	96 dB
Axial sensitivity	108 dB	114 dB	120 dB	120 dB	125 dB	124 dB
Max. SPL	16Ω	8Ω	16Ω	16Ω	8Ω	8Ω
Nominal impedance	2 x 3"	4 x 3"	8 x 3"	8 x 3"	12"	12"
Loudspeakers	110 x 180 x 148,5 mm	110 x 350 x 148,5 mm	110 x 690 x 148,5 mm	110 x 770 x 148,5 mm	350 x 515 x 490 mm	350 x 515 x 490 mm
Dimensions	2,2 Kg	4 Kg	7,6 Kg	7,6 Kg	22 Kg	23,5 Kg
Net weight	115°	115°	115°	115°	-	-
Horizontal dispersion	20°	20°	20°	20°	-	-
Vertical dispersion						
Connectors	Speakon input/output	Speakon input/output	Speakon input/output	Speakon input/output	4-point Speakon input/ output : - 1+/- : Output broadband - 2+/- : Bass output	Input: - Line-level balanced XLR Outputs : - Line-level balanced XLR - Bass/Treble amplified Speakon : - 1+/- : Full range - 2+/- : Bass output Power supply: - Input / output via Powercon: AC 220V-240V / 50/60Hz, 20A DSP : - Input / output via RJ45
Amplification	-	-	-	-	-	Total power available 700+700 W RMS / 4Ω : Full range output : 700 W/4Ω Subwoofer : 350W/8Ω + 350 W RMS/8Ω internal
Settings	-	-	-	-	-	Volume : Main volume control DSP : 28/56 bit, 50 MIPS System configuration by the software provide with converter reference iLINEbox

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