



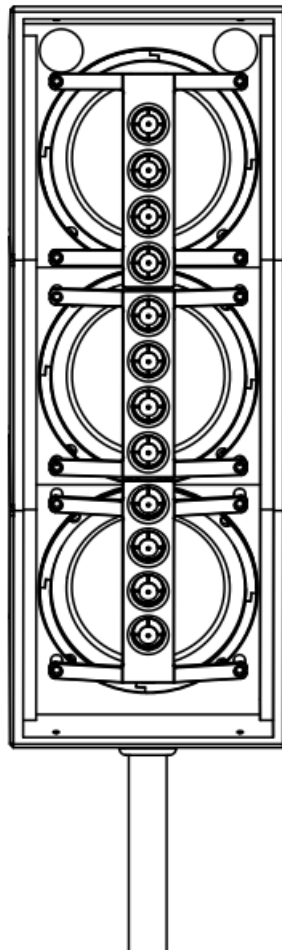
auDiopHony MOJOcurveXL Active Curve Array System with Mixer User Guide

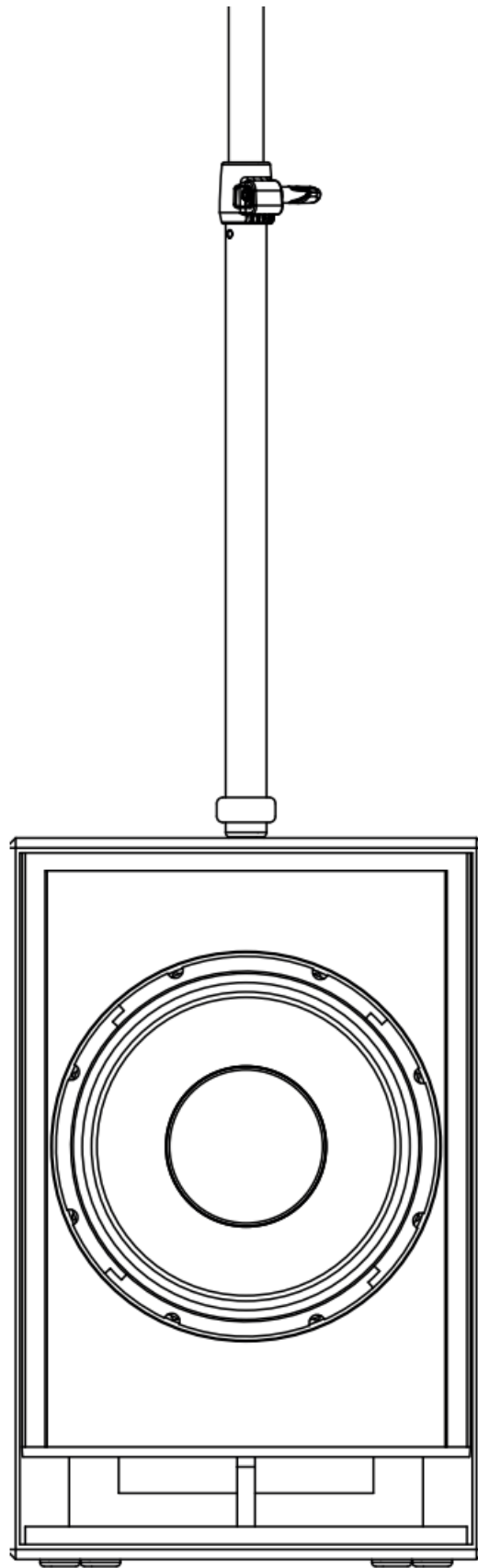
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USER GUIDE

H11390 – Version 1 / 07-2022





Active curve array system with mixer, BT and DSP

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Safety information

Important safety information

	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.
	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.

Symbols used

	This symbol signals an important safety precaution.
	The WARNING symbol signals a risk to the user's physical integrity. The product may also be damaged.
	The CAUTION symbol signals a risk of product deterioration.

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 been 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...



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.

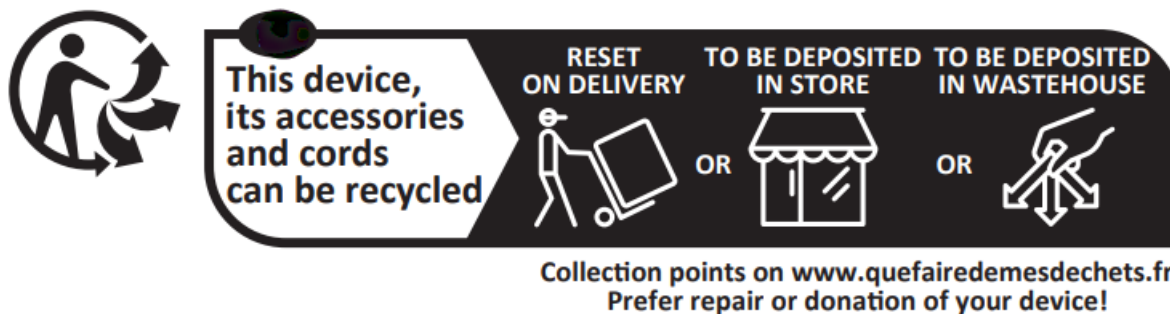


Sound levels

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).

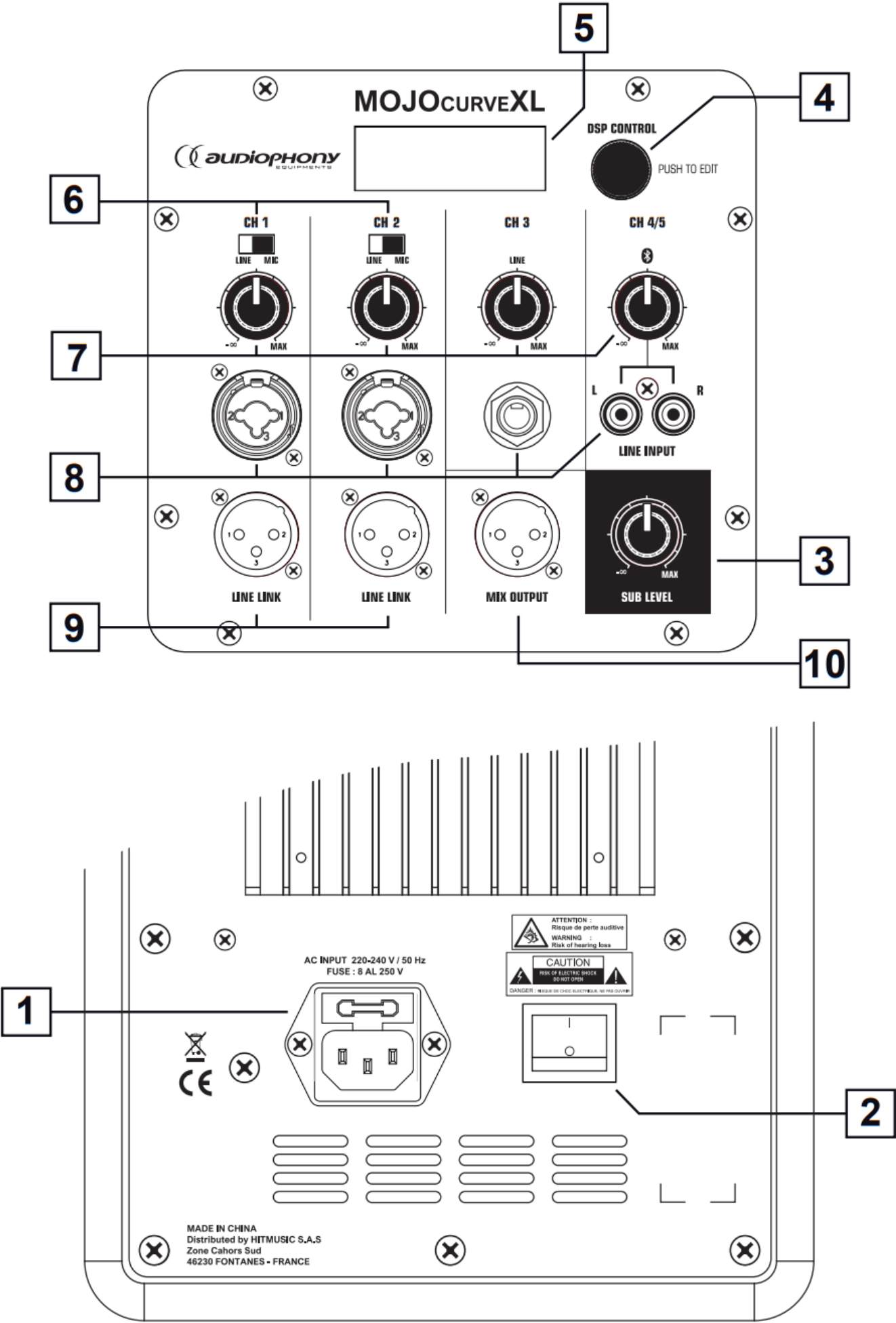
Do not operate this product in a non-ventilated, very humid or warm place.

Technical specifications

SATELLITE	
Power handling	400W RMS – 800W max
Nominal impedance	4 Ohms
Boomer	3 X 8" neodymium
Tweeter	12 x 1" dome tweeter
Dispersion	100° x 70° (HxV) (-10dB)
Connector	Slot-in integrated into the subwoofer
Dimensions	255 x 695 x 400 mm
Net weight	11.5 kg
SUBWOOFER	
Power	700W RMS – 1400W max
Nominal impedance	4 Ohms
Boomer	1 x 15"
Dimensions	483 x 725 x 585 mm
Net weight	36.5 kg
COMPLETE SYSTEM	
Frequency response	35Hz -18KHz
Max. SPL (Wm)	128 dB
AMPLIFIER MODULE	
Low frequencies	1 x 700W RMS / 1400W Max @ 4 Ohms
Mid/High frequencies	1 x 400W RMS / 800W Max @ 4 Ohms
Inputs	CH1 : 1 x Combo XLR/Jack Ligne/Micro CH2 : 1 x Combo XLR/Jack Ligne/Micro CH3 : 1 x Jack Ligne CH4/5 : 1 x RCA UR ligne + Bluetooth®
Inputs inpedance	Micro 1 & 2 : Balanced 40 KHoms Line 1 & 2 : Balanced 10 KHoms Line 3 : Balanced 20 KHoms Line 4/5 : Unbalanced 5 KHoms
Outputs	1 Slot-in on the top of the subwoofer for the column 1 x XLR balanced MIX OUT for the link with another system 2 x XLR balanced LINE OUT for the channel 1 and 2 link
DSP	24 bit (1 in 2 out) EQ / Presets / Low cut / Delay / Bluetooth® TWS
Level	Volume settings for each way + Master
Sub	Subwoofer volume settings

Presentation

A- Rear view



1. Power input socket and Fuse

Allows you to connect the speaker to an electrical outlet. Use the supplied IEC cord, and make sure the voltage delivered by the outlet is in adequation with the value indicated by the voltage selector before turning on the built-in amplifier. The fuse protects the power supply module and the built-in amplifier.

If need to replace the fuse, please make sure the new fuse has exactly the same characteristics.

2. Power switch

3. Subwoofer sound level

Allows you to adjust the sound level of the bass.

This setting also affects the main volume level.

(PLEASE MAKE SURE TO CONFIGURE IT IN ORDER TO PREVENT THE LIMIT FROM BEING LIT).

4. Multi functions knob

Allows you to enter into each function of the DSP and make the adjustments. Please check next page for more details.

5. Display

Show the inputs level and the differents DSP functions

6. Channels 1 and 2 input selector

Allows you to choose the type of source connected to each channel.

7. Channels sound level

Allows you to adjust the sound level of each channel.

This setting also affects the main volume level of the amplification system.

(PLEASE MAKE SURE TO CONFIGURE IT IN ORDER TO PREVENT THE LIMIT FROM BEING LIT).

8. Input connectors

CH1 and CH2 input via balanced COMBO (Mic 40k Ohms / Line 10 KOhms)

Connect here an XLR or JACK plug from a line level music instrument or a microphone.

CH3 input via balanced Jack (Line 20 KOhms)

Connect here a JACK plug from a line level music instrument like guitar

CH4/5 inputs via RCA and Bluetooth® (5 KHOMS)

Connect a line level instrument via the RCA. The Bluetooth® receiver is also on this channel.

9. Balanced LINE LINK

Output for brodcast the channel 1 and 2

10. Balanced MIX OUTPUT

Allow you to link another system. The level is line and signal is master mixed.

Bluetooth® pairing :

With the multi functions knob (4) go to BT menu and set it to ON.

The Bluetooth® logo is blinking quickly on the display to indicate that its searching a Bluetooth® connexion.

On your smartphone or computer select the "MOJOcurveXL" in the list of the Bluetooth® devices to connect it.

The Bluetooth® logo is blinking slowly on the display and a sound signal indicate that your device is connected.



Please make sure to properly configure the sound levels of your system. In addition to being unpleasant for the audience, improper settings can damage your whole sound system.

The "LIMIT" indicators will light on when the maximum level is reached and must never be permanently lit.

Beyond this maximul level, the volume will not increase but will be distorted.

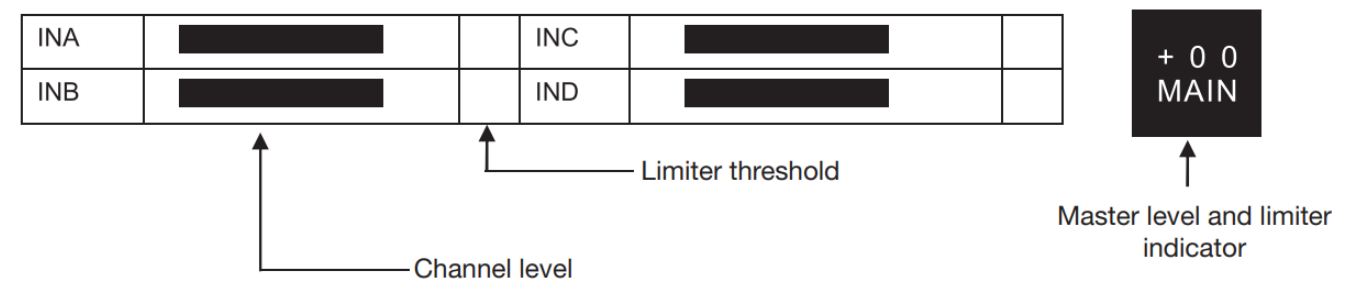
Moreover, your system can be destroyed by an excessive sound level despite of the internal electronic protections.

First, in order to prevent that, adjust the sound level via the Level of each channel.

Then, use the High/Low equalizer to adjust the acoustic as you wish and then the Master level.
If the sound output does not seem powerful enough, we strongly recommend to multiply the number of systems in order to spread the sound output evenly.

DSP

4.1 – Level bargraph:



The display show the of each 4 channels and of the Master.
This allow you to visualize the signal and adjust the input level. There you can see also if the Limiter is activated.

4.2 – Menus :

HIEQ	High adjustment +/- 12 dB at 12 kHz
MIEQ	Mid adjustment +/- 12 dB on the frequency choosed below
MID FREQ	Setting of the Mid frequency adjustment From 70Hz to 12KHz
LOW EQ	Low adjustment +/- 12 dB at 70 Hz
Caution, when the system is operating at full power, too high an equalization setting can harm the amplifier.	
PRESETS	MUSIC : This equalizer setting is almost flat
	VOICE : This mode allows to get more clear voices
	DJ : This preset makes the bass and high more punchy.
LOW CUT	OFF : No cutting
	Low cut frequencies choice : 80 / 100 / 120 / 150 Hz
DELAY	OFF : No delay
	Adjustment of the delay from 0 to 100 meters
BT ON/OFF	OFF : The Bluetooth® receiver is OFF
	ON : Switch ON the Bluetooth® receiver and send to channel 4/5 When the Bluetooth® receiver is active, search for the device named MOJOCurveXL on your Bluetooth® device to pair it.
	TWS : Allow to connect another MOJOCurveXL in stereo by Bluetooth®
LCD DIM	OFF : The display never dim
	ON : After 8 seconds the display turns off.
LOAD PRESET	Allow to load recorded preset
STORE PRESET	Allow to record a preset
ERASE PRESET	Erase the recorded preset
BRIGHT	Adjust the brightness of the display from 0 to 10
CONTRAST	Adjust the contrast of the display from 0 to 10
FACTORY RESET	Reset all the adjustments. Default factory setting is MUSIC mode.
INFO	Firmware version information
EXIT	Exit of the menu

Note: If you press and hold the multi-function key (4) for more than 5 seconds, you lock the menu. The display then shows PANEL LOCKED
To unlock the menu, press and hold the multi-function button again for more than 5 seconds.

4.3 – TWS mode operation :

The Bluetooth TWS mode allows you to connect two MOJOcurveXL together in Bluetooth to broadcast in stereo from a single Bluetooth source (phone, tablet, ... etc).

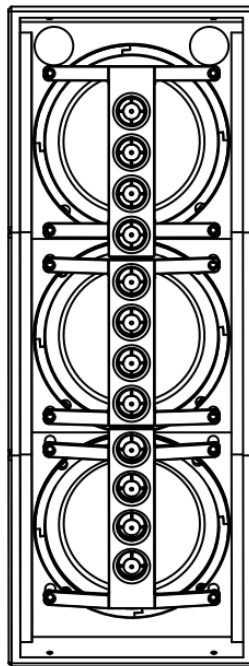
Switching on the TWS mode :

1. If you have already paired one of the two MOJOcurveXL, go to the Bluetooth management of your source and deactivate Bluetooth.
2. On both MOJOcurveXL activate the TWS mode. A “Left Channel” or “Right Channel” voice message will be emitted to confirm that the TWS mode is active.
3. Reactivate Bluetooth on your source and pair the device named MOJOcurveXL.
4. You can now play your music in stereo on two MOJOcurveXL.

Note: The TWS mode only works with a Bluetooth source.

Column

How to plug the satellite on the subwoofer



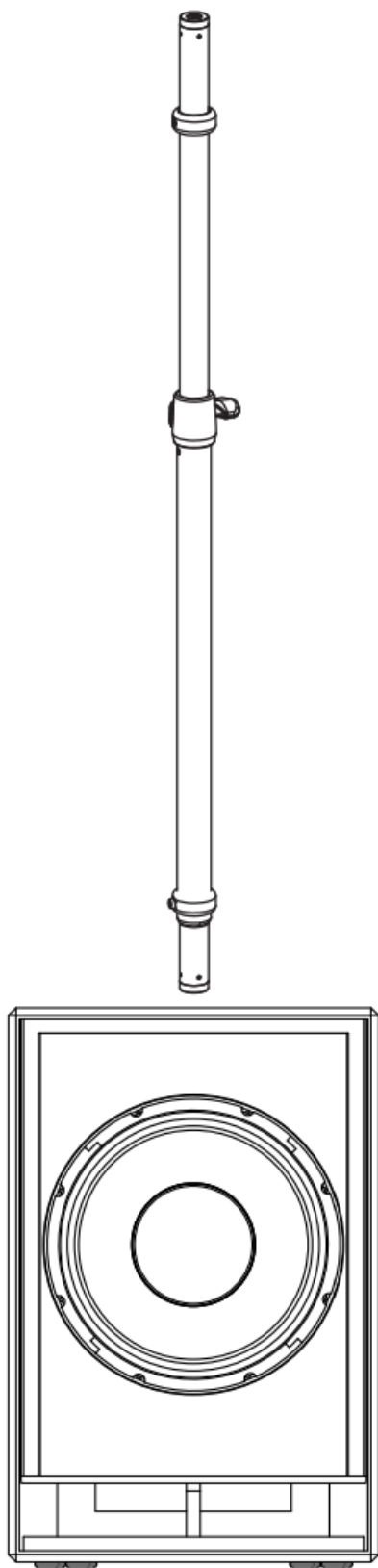
The MOJOcurveXL satellite is directly mounted above the subwoofer thanks to its contact slot.

This slot guarantees the transmission of the audio signal between the column and the subwoofer. Cables are not required in this case.

The drawing opposite describes column speaker mounted above the subwoofer.

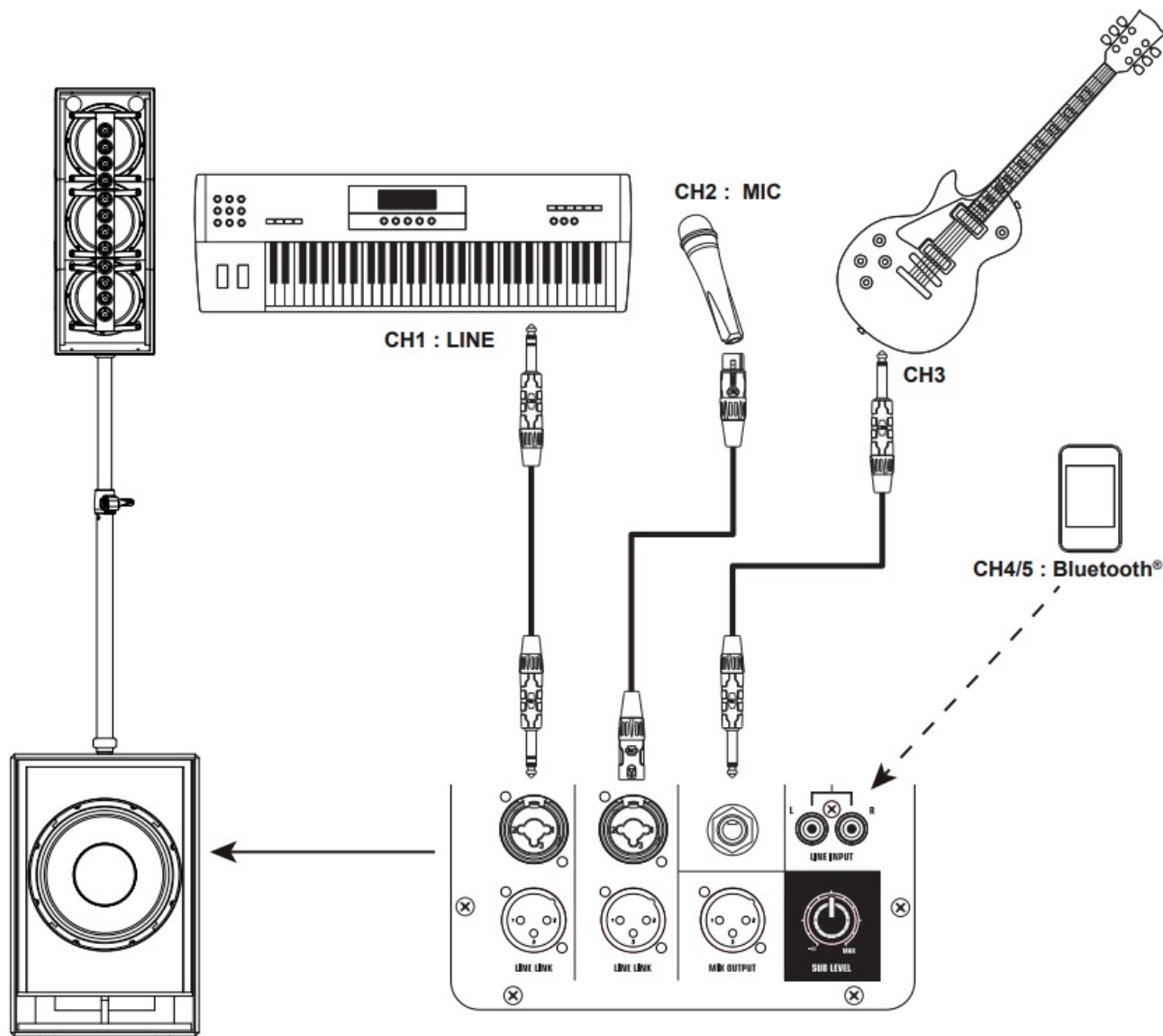
The satellite height is adjusted by loosening the thumbwheel.

The connecting rod is equipped with a pneumatic cylinder which facilitates the lifting of the satellite.



The satellite were designed to be operated with this subwoofer.
Please do not use any other type of satellites as it may damage the whole sound system.

Connections



Please make sure to properly configure the sound levels of your system. In addition to being unpleasant for the audience, improper settings can damage your whole sound system. The “LIMIT” indicators will light on when the maximum level is reached and must never be permanently lit.

Beyond this maximal level, the volume will not increase but will be distorted.

Moreover, your system can be destroyed by an excessive sound level despite of the internal electronic protections.

First, in order to prevent that, adjust the sound level via the Level of each channel.

Then, use the High/Low equalizer to adjust the acoustic as you wish and then the Master level.

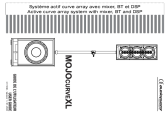
If the sound output does not seem powerful enough, we strongly recommend to multiply the number of systems in order to spread the sound output evenly.

Because AUDIOPHONY® takes the utmost care in its products to make sure you only get the best possible quality, our products are subjects to modifications without prior notice. That is why technical specifications and the products physical configuration might differ from the illustrations.

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H11390, MOJOcurveXL Active Curve Array System with Mixer, MOJOcurveXL, Active Curve A
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References

-  [Audiophony](#)
-  [Info-tri | Ministères Écologie Énergie Territoires](#)