

**MOOSE**

[www.mooseaudio.com](http://www.mooseaudio.com)

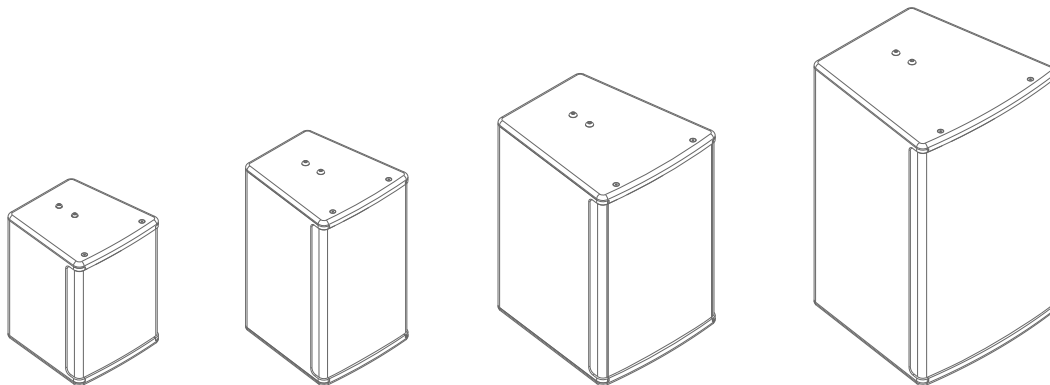
PROUDLY DEVELOPED AND  
MANUFACTURED IN PORTUGAL



# INSTALL SERIES

## 14, 15, 16 & 18

Passive Full-Range speakers



# USER'S MANUAL

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## Introduction

Dear customer,

Thank for choosing MOOSE branded products!

MOOSE is a brand of professional audio & lighting products, proudly developed and manufactured in PORTUGAL.

In order to operate this product in a safe and reliable manner, please follow the instructions in this booklet and before operating the equipment read the instructions carefully and please note the technical information.

Our products undergo very rigorous testing under strict conditions and they are monitored continuously during the manufacturing process. In order to guarantee the product function and safety, the original parts of the manufacturer's design must be used. If any parts other than those of the manufacturer are used, or the product is modified in any way, the user forfeits all warranty rights to claim.

## Caution

1. Before connecting the equipment to the power outlet, first verify that the mains voltage and frequency match the values specified on the equipment.
2. If the power cord of the device is equipped with an earthing contact, then it must be connected to an outlet with a protective ground. Never deactivate the protective ground of a power cord.
3. Unplug the power cord and power adapter from the power outlet if there is a risk of a lightning strike or before extended periods of disuse.
4. Replace fuses only with fuses of the same type and rating. If a fuse blows repeatedly, please contact an authorised service company.
5. Do not open or modify this equipment.
6. After connecting the equipment, check all cables in order to prevent damage or accidents, e.g., due to tripping hazards.
7. Do not turn on the Amplifier ON before checking that all volumes to zero .

**IMPORTANT:** Never remove the cover, because otherwise there may be a risk of electric shock. There are no user serviceable parts inside. Have repairs carried out only by qualified service personnel.



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electrical shock.



The exclamation mark within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions.



To prevent electrical shock do not remove the cover. No user serviceable parts inside. Refer service to qualified personnel only.

The amplifier is marked with this instruction so please proceed accordingly in order to avoid any hazard.

## Manufacturers Declaration

### PROPER DISPOSAL OF THIS PRODUCT

(Valid in the European Union and other European countries with waste separation)



This symbol on the product, or the documents accompanying the product, indicates that this appliance may not be treated as household waste. This is to avoid environmental damage or personal injury due to uncontrolled waste disposal. Please dispose of this product separately from other waste and have it recycled to promote sustainable economic activity.

Household users should contact either the retailer where they purchased this product, or their local government office, for details on where and how they can recycle this item in an environmentally friendly manner.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal .

### ENVIRONMENTAL PROTECTION AND ENERGY CONSERVATION

Energy conservation is an active contribution to environmental protection. Please turn off all unneeded electrical devices. To prevent unneeded devices from consuming power in standby mode, disconnect the mains plug.

### EC DECLARATION OF CONFORMITY

The equipment marketed by MOOSE complies (where applicable) with the essential requirements and other relevant specifications of Directives 1999/5/EC (R&TTE), 2004/108/EC (EMC) und 2006/95/EC (LVD). Additional information can be requested to [info@profactor.pt](mailto:info@profactor.pt).



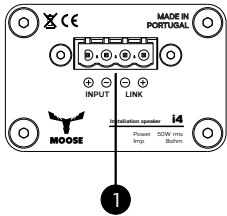
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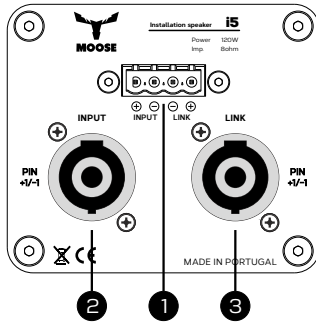
## Connections and Controls

Please refer to the following scheme and instructions:

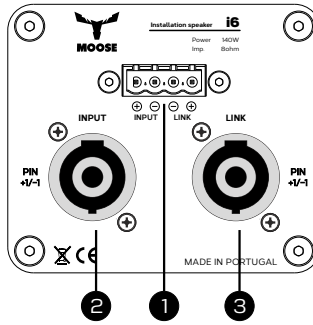
**14** Backpanel



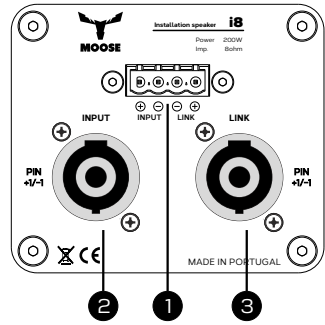
**15** Backpanel



**16** Backpanel



**18** Backpanel



- 1. INPUT/OUTPUT:** Phoenix® block terminal, 4 pole, Pitch 5.08, signal input and output. Plug connector supplied.
- 2. INPUT:** Speakon NL4 compatible input (+1/-1).
- 3. THRU:** Speakon NL4 compatible output (parallel wired with Speakon compatible input 1+/-1).

## Technical specifications

MODEL	14	15
TYPE	2-way full range speaker	2-way full range speaker
ENCLOSURE DESIGN	Bass reflex, passive	Bass reflex, passive
POWER OUTPUT (RMS)	50W (AES)	100W (AES)
	90W (Peak)	190W (Peak)
FREQUENCY RANGE	120Hz - 18kHz	90Hz - 18kHz
NOMINAL IMPEDANCE	80hm	80hm
TRANSDUCER TYPE*	4" (0.75in) MF + 1" HF (1.0in)	5" (1.26in) MF + 1" HF (1.0in)
DISPERSION	80° conical, Aluminum horn	80° conical, Aluminum horn
CROSSOVER FREQUENCY	2000Hz	2500Hz
MAX. S.P.L. (PEAK)	108dB @ 1m	112dB @ 1m
CONNECTORS	2x Neutrik®NL4 (parallel)	2x Neutrik®NL4 (parallel) 1x Phoenix® block terminal
CONSTRUCTION	12mm birch plywood, Watertex coating	
GRILLE	Custom perforated metal grille w/ acoustic foam	
INSTALLATION, RIGGING, FLYING	4x M6 inserts for "U" bracket, 4x M5 inserts for Wall bracket	
DIMENSIONS (WxHxD)	155/130x205x160mm 6.10x8.07x6.30in	170/130x285x185mm 6.69x11.22x7.28in
WEIGHT	3Kg 6.6lb	4Kg 8.8lb

## Technical specifications

MODEL	I6	I8
TYPE	2-way full range speaker	2-way full range speaker
ENCLOSURE DESIGN	Bass reflex, passive	Bass reflex, passive
POWER OUTPUT (RMS)	140W (AES)	170W (AES)
	280W (Peak)	340W (Peak)
FREQUENCY RANGE	80Hz - 18kHz	70Hz - 18kHz
NOMINAL IMPEDANCE	8Ohm	8Ohm
TRANSDUCER TYPE*	6" (1.26in) MF + 1" HF (1.0in)	8" (1.46in) MF + 1" HF (1.0in)
DISPERSION	80° conical, Aluminum horn	60°x40° (HxV)
CROSSOVER FREQUENCY	2500Hz	1800Hz
MAX. S.P.L. (PEAK)	116dB @ 1m	118dB @ 1m
CONNECTORS	2x Neutrik®NL4 (parallel)	2x Neutrik®NL4 (parallel)
	1x Phoenix® block terminal	1x Phoenix® block terminal
CONSTRUCTION	12mm birch plywood, Watertex coating	
GRILLE	Custom perforated metal grille w/ acoustic foam	
INSTALLATION, RIGGING, FLYING	4x M6 inserts for "U" bracket, 4x M5 inserts for Wall bracket	
		Ø35mm pole mount socket
DIMENSIONS (WxHxD)	210/155x300x230mm	255/190x395x250mm
	8.27x11.81x9.06in	10.04x15.55x9.84in
WEIGHT	6Kg	8Kg
	13.2lb	17.6lb

## Install the "U" bracket

Before installing the speaker, take a moment to check the fixture to make sure there is no damage. Verify that you have all the necessary tools, fittings and connection hardware to complete the installation and connection. The Speaker is supplied with the "U" wall mount bracket. Provide suitable structural support to fully support the speaker.

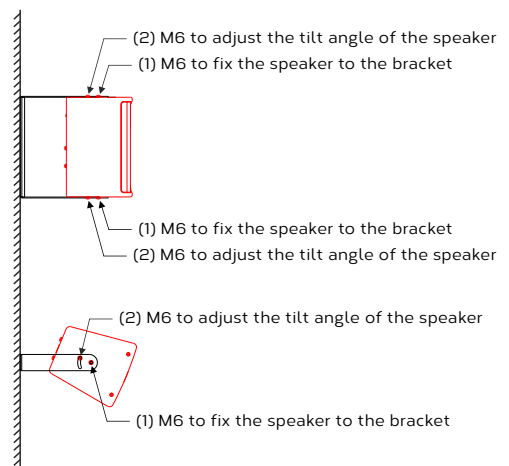
**STEP 1:** Set the location of the Speaker on the wall where is to be installed and mark the location of the bracket holes on the wall/ceiling.

**STEP 2:** Drill 8mm holes and then screw bracket on the wall with screw anchors. First fasten upper screw in bracket only to support the weight.

**STEP 3:** Remove the 4x M6 screws off the top and bottom of the speaker and place the speaker in position onto the bracket. First screw the 2x M6 (1) that will fix the speaker to the "U" bracket.

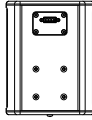
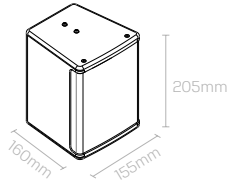
**STEP 4:** The speaker is now fixed to the bracket and adjust the angle/tilt wanted. Screw the other 2x M6 (2) to set and finish the Speaker installation to the wall/ceiling.

**STEP 5:** It is possible now to connect the signal cable to the low impedance input: Block terminal (respect polarity +/-) or Speakon NL4 (+/-).



## Dimensions

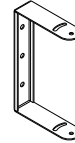
INSTALL  
i4



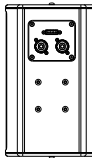
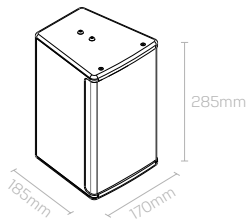
ACCESSORIES  
WSI4



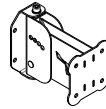
ACCESSORIES  
WB4



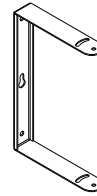
INSTALL  
i5



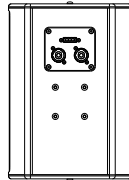
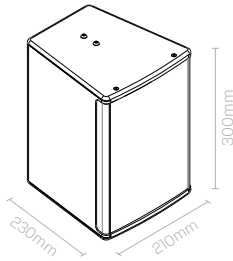
ACCESSORIES  
WSI



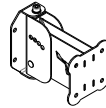
ACCESSORIES  
WB5



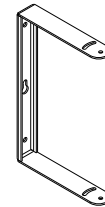
INSTALL  
i6



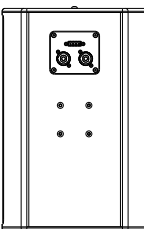
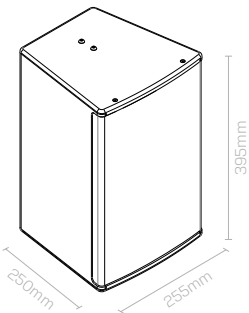
ACCESSORIES  
WSI



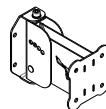
ACCESSORIES  
WB6



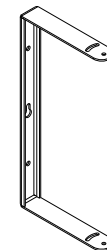
INSTALL  
i8



ACCESSORIES  
WSI



ACCESSORIES  
WB8



Unit: mm (millimeters)

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**MOOSE is a brand of PROFACTOR S.A.**

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