



AS SERIES

USER GUIDE

AS 815 SUB
AS 818 SUB

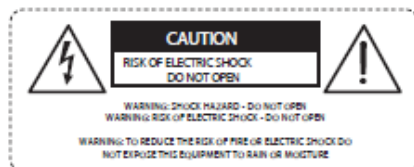
CONTENTS

SAFETY INSTRUCTIONS	4
PAY ATTENTION TO THE SYMBOLS!	5
CONFORMITY OF MAC MAH SPEAKERS	5
PRESENTATION OF THE AS SERIES	6
TECHNICAL SPECIFICATIONS	9
INSTALLATION	10

INSTRUCTIONS SAFETY

1. Read all the instructions carefully.
2. Keep this manual for future reference. If you resell this appliance, please ensure that you also pass on this user manual to the new owner.
3. Completely unpack the appliance and all its accessories. Check that there are no damage and that the appliance is in perfect condition.
4. Maximum ambient temperature for optimum operation: 40°C. Do not use the device if the ambient temperature exceeds this value.
5. To reduce and avoid any risk of electric shock or fire, do not use this appliance in a damp environment or in the rain.
6. Clean this appliance only with a dry cloth.
7. In the event of a malfunction, switch off the appliance immediately. Do not attempt to repair it yourself. Contact your retailer or an authorised specialist repairer. There are no user-replaceable parts.
8. Only use fixings/accessories specified by the manufacturer.
9. Some Mac Mah speaker models have a 35mm base for mounting on a tripod or mast above a speaker. Check that the stand or mast is capable of supporting the weight of the speaker. Check that the tripod or pole-mounted speaker is installed on an even and stable surface. Ask another person to help you place the speaker on the tripod.
10. Some Mac Mah loudspeaker models can be suspended using 8mm or 10mm inserts. It is important to use dedicated equipment designed to withstand heavy loads. The hanging system must be capable of holding at least 5x the weight of the speaker to be suspended. The hook must always be secure and have several attachment points.
11. Mac Mah subwoofers can easily produce high sound pressure levels capable of causing permanent hearing damage. Take care to avoid prolonged exposure to sound pressure levels in excess of 90dB.

PAY ATTENTION TO THE SYMBOLS !



The lightning flash within a 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 electric shock to persons. Risk of electric shock to persons.

The exclamation mark within a triangle alerts the user to the presence of important operating and maintenance instructions accompanying the product.

MAC SPEAKER COMPLIANCE MAH

A passive loudspeaker satisfies, by its design and type of construction in the version we market, the fundamental requirements of the European Union Directives cited below:

Electromagnetic Compatibility Directive (EMC): 2014/30/EU

EN 55015:2013
EN 61000-3-2:2014
EN 61000-3-3:2013
EN 55020:2007+A11:2011

RoHS Directive (2.0): 2011/65/EU

IEC 62321-4:2013
IEC 62321-5:2013
IEC 62321-6:2015
IEC 62321-7-1:2015

The design and type of construction of the active loudspeaker in the version we market meet the basic requirements of the European Union Directives listed below:

Electromagnetic Compatibility Directive (EMC): 2014/30/EU

EN 55015:2013
EN 61000-3-2:2014
EN 61000-3-3:2013
EN 55020:2007+A11:2011

RoHS Directive (2.0): 2011/65/EU

IEC 62321-4:2013
IEC 62321-5:2013
IEC 62321-6:2015
IEC 62321-7-1:2015

Low Voltage Directive (LVD): 2014/35/EU

EN 60065:2014+AC:2016

PRESENTATION OF THE AS SERIES

The new Mac Mah AS series of professional PA speakers combines new technologies and performance.

Its wooden design ensures optimum sound quality even at high volumes, a clear response and controlled directivity.

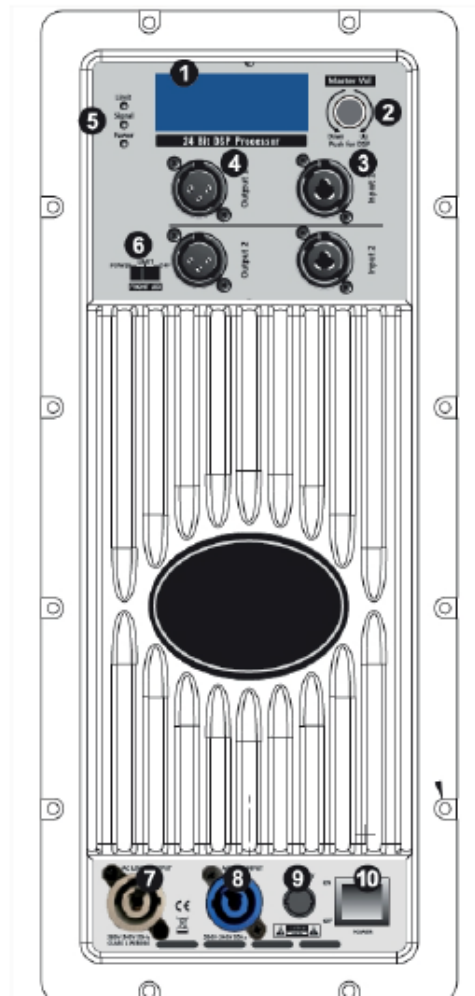
Its Plug and Play system and wireless connectivity make installation quick and easy. These speakers are very quick to set up and pair perfectly with the AS 110/112/115 full-range speakers, making this audio system a truly complete all-in-one broadcast system, perfect for all your events: conferences, meetings, live music, DJs, etc.

Fitted with a 15" or 18" woofer, depending on the model, they deliver powerful, accurate low-frequency response, thanks to dedicated 800W Class D amplification.

In addition to on-board Bluetooth connectivity, the AS series features a 24-bit 96 kHz DSP and 4 modes: Live, Music, Speech and DJ. You can also select the type of loudspeaker you want to use. The DSP adapts the sound to the size of your full-range speaker.

The AS series features a top-of-the-range Class-D amplifier, over-protected for reliability and long life.

1. LCD: DSP control interface
2. **MASTER VOL.** Sound level adjustment
3. **INPUT:** Balanced input for connecting signal sources such as mixing consoles, instruments or microphones. The connections can be made using 1/4" TRS or XLR connectors.
4. **OUTPUT:** The XLR output sends the input signal to another loudspeaker or subwoofer.
5. **LIMIT:** Automatic amplitude limiter. When the audio signal reaches the threshold that is dangerous for the transducers.
6. Front panel LED switch: in the "Power" position, the LED is constantly blue, in the "Limit" position, the LED turns red if the signal is too strong.
7. Power supply output
8. Power supply input
9. Fuse holder
10. Power switch: This switch turns the system on.



AS series

Menu	Sub-menu	Description
Mode	LIVE (default)	Flat setting
	MUSIC	Setting with more bass and treble
	DJ1	Adjustment for DJ with 55Hz hump
	DJ2	DJ setting with Bass Boost at 45Hz
Low Pass	OFF (default)	
	80 Hz	80Hz cut-off
	100 Hz	100Hz cut-off
	120 Hz	Cut-off at 120z
	150 Hz	150Hz cut-off
	AS 110	Use with AS 110 loudspeaker
	AS 112	Use with AS 112 loudspeaker
	AS 115	Use with AS 115 loudspeaker
DELAY	0-30ms	Setting the latency time as a function of distance in metres
LCD DIM	ON (default)	Screen backlighting
	OFF	
BRIGHT	5 (default)	Adjusting screen brightness
	1-10 adjust	
RESET	NO (default)	Recalling factory settings
	ARE YOU SURE ?	
	YES / NO	
INFO	Product name	Product name
	Firmware version	Software version
EXIT		

SPECIFICATIONS

Model	AS 815 SUB	AS 818 SUB
RMS amplification power	800W	800 W
MAX amplification power	1600W	1600 W
Bandwidth @ -10dB	35Hz-200 kHz	30Hz-200 kHz
Dimensions mm	620x540x620	720x610x685
Impedance	4Ω	4Ω
SPL Max	128dB	129dB
XLR output sensitivity	0dBu	0dBu
Bluetooth/TWS module	YES	YES
DSP Sample rate 96 kHz 24bit		
LF transducer	15" ferrite	18" ferrite LF
amp type	Class D	
Structure	Wood	
Protections	Overheating, Overload	
Crossover	150Hz	
THD	>=0.1%	
Weight	36kg	41kg

INSTALLATION



CAUTION. Before installing, mounting or hanging your loudspeaker, it is important to check the condition of each component. It is strongly recommended that you seek professional advice. He or she will guide you through the installation of your equipment by comply with current standards. Never use damaged, deformed or unsuitable components.



MAC MAH - MSC

9, RUE CAMILLE FLAMMARION 91630 AVRAINVILLE
FRANCE