

# VerA M

User Manual  
EN



Systems:

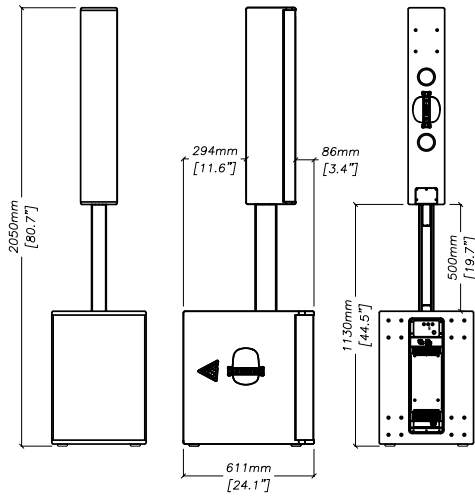
VerA M



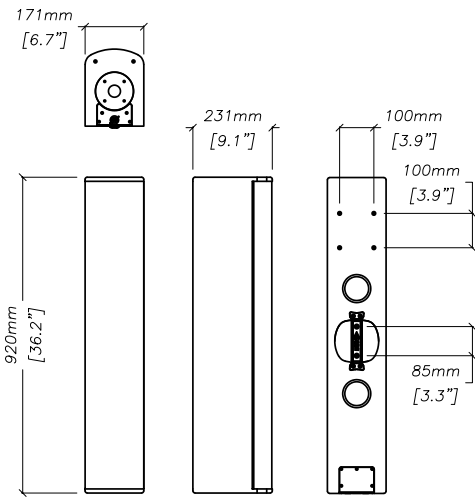
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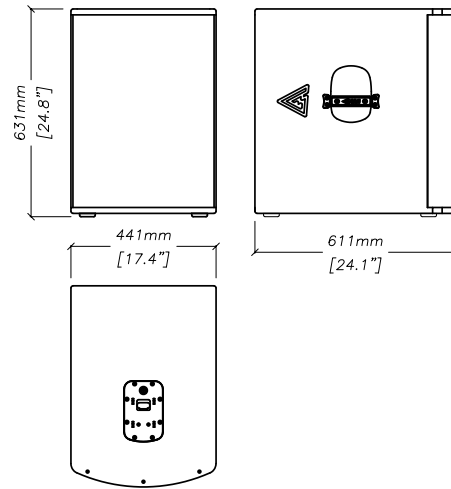
# PANEL A. DIMENSIONS



VerA M



VerA M top



VerA M Sub



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# 1. SAFETY INSTRUCTIONS

## EXPLANATIONS OF GRAPHICAL SYMBOLS



The triangle with the lightning bolt is used to alert the user to the risk of electric shock.



The symbol for earth/ground connection.



The triangle with the exclamation point is used to alert the user to important operating or maintenance instructions.



The symbol indicates that the equipment is for indoor use only.



The CE mark indicates compliance with low voltage and electromagnetic compatibility.



The symbol for conformity with Directive 2002/96/EC and Directive 2003/108/EC of the European Parliament on waste electrical and electronic equipment (WEEE).



**WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT ATTEMPT TO OPEN ANY PART OF THE UNIT. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.**



**TO COMPLETELY DISCONNECT THIS APPARATUS FROM THE AC MAINS, DISCONNECT THE POWER SUPPLY CORD PLUG FROM THE AC RECEPTACLE.**



**THE MAINS PLUG OF THE POWER SUPPLY CORD MUST REMAIN READILY ACCESSIBLE.**



**DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE, DRIPPING OR SPLASHING LIQUIDS. OBJECTS FILLED WITH LIQUIDES, SUCH AS VASES, SHOULD NOT BE PLACED ON THIS APPARATUS.**



**CONNECTIONS TO THE MAINS SHALL BE DONE ONLY BY AN ELECTRO TECHNICALLY SKILLED PERSON ACCORDING TO THE NATIONAL REQUIREMENTS OF THE COUNTRIES WHERE THE UNIT IS SOLD.**

## IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions carefully.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this equipment near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install following the manufacturer's instructions.
8. Do not use near heat sources such as stoves, heat registers, radiators, or other equipment (including amplifiers) that produces heat.
9. Do not use the unit near open fire sources.
10. Connect the unit only to the electric network with grounding. Use only electric plugs that provide grounding.
11. Protect the power cord from being walked on, pinched, or otherwise damaged.
12. Use only accessories specified by the manufacturer.
13. Unplug this unit during lightning storms or when unused for long periods.
14. Refer all servicing to qualified service personnel. Servicing is required when the system has been damaged in any way, such as a power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the unit, the unit has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. **WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS SYSTEM UNIT TO RAIN OR MOISTURE.**

**THIS UNIT CONTAINS POTENTIALLY LETHAL VOLTAGES. TO PREVENT ELECTRIC SHOCK OR HAZARD, DO NOT REMOVE THE AMPLIFIER MODULE. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.**

**INSTALLING OF THIS UNIT MUST BE PERFORMED ONLY BY QUALIFIED TRAINED PERSONNEL FOLLOWING APPLICABLE SAFETY RULES. DO NOT ALLOW INSTALLATION OF THIS UNIT IF INSTALLATION HARDWARE IS BROKEN, BENT, PARTS ARE MISSING, OR IS OTHERWISE DAMAGED.**



# 2. REGULATORY INFORMATION

## FCC COMPLIANCE NOTICE

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**CAUTION:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, under part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used following the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## EC DECLARATION OF CONFORMITY

Manufacturer:  
MAG Audio LLC  
Merezhna 2  
Bila Tserkva, Kyiv region  
09100 Ukraine

We declare under our sole responsibility that product models: X 320-4-BK X 320-8-BK, X 320A-BK, X 350-4-BK, X 350-8-BK, X 350A-BK, X 355-4-BK, X 355A-BK, X 318-4-BK, X 318-8-BK, X 318A-BK intended for use as professional speaker systems conform with the provisions of the following EC Directives, including all amendments, and with national legislation implementing these directives:

- 2006/95/EC Low Voltage Directive
- 2004/108/EC Electromagnetic Compatibility Directive
- 2002/95/CE RoHS Directive

The following harmonized standards are applied:

EN 55103-1:2009 /A1:2012	EN 61000-4-2:2009
EN 55014-1:2006 /A1:2009 /A2:2011	EN 61000-4-3:2006 /A1:2008 /IS1:2009 /A2:2010
EN 55022:2010 /AC:2011	EN 61000-4-4:2012
EN 61000-3-2:2006 /A1:2009 /A2: 2009	EN 61000-4-5:2006
EN 61000-3-3:2013	EN 61000-4-6:2014
EN 61000-3-11:2000	EN 61000-4-11:2004
EN 61000-3-12:2011	EN 60065:2002/A1:2006/A11:2008/A2:2010/ A12:2011
EN 55103-2:2009/IS:2012	

Bila Tserkva,  
22 January 2019

Alexey Asanov  
CEO

For compliance questions: [info@mag-audio.com](mailto:info@mag-audio.com)

# 3. ABOUT VerA M

## 3.1. Introduction

VerA series is a portable solution that in the best way combines power and high sound quality. Being compact, VerA sets still deliver considerable sound pressure, needed in small- and medium-sized bars, restaurants, karaoke bars, corporate events, and parties.

Convenience and ease of use – this is what the VerA series is all about. These sets are ready-to-use plug-and-play systems, with built-in Powersoft modules, complete with ready presets, ensuring quick set-up as well as smooth and flawless operation for any user.

VerA series is made specifically for ease of use and transportation while providing sound performance and reliability rivaling those of bigger sets.

Vera M is the complete solution where a portable, powerful, and reliable sound system is a must-have. It features quad 6" plus 1" low distortion driver satellites and two effective 15" subwoofers. Driven by integrated Powersoft® amplifier and processing, Vera M is easy to set up and use, providing 3000W of nominal power.

## 3.2. VerA M speaker sets

VerA M is provided as the following speaker sets:

VerA-M-BK part number 00-0017441

VerA-M-WH part number 00-0021305



# 4. SPECIFICATIONS

System	VerA M
<b>Type</b>	<b>Powered speaker set</b>
Frequency Response (-10dB)	42 - 20000 Hz
Max SPL <sup>1</sup>	132 dB (one VerA M sub + one VerA M top)
Sub driver	15"
Top drivers	4x 6" + 1"
Coverage (HxV)	90° x 40° (one side)
Amplifier	Class D Powersoft, Bi-amp, fan cooling
Total system power	6000 W
Amplifier channels	1500W + 1500W (one side)
Power consumption, 1/8 max power	1200W (both sides)
Power consumption, peak	6600W (both sides)
Input sensitivity	+4 dBV
Settings	4 switchable presets
<b>VerA M Sub:</b>	
Connectors	XLR input, XLR output, Powercon mains, Speakon output for Top
Mounting	Top pole socket
Dimensions (WxHxD)	441x631x611 mm (each)
Net weight	34,8 kg (each)
Gross weight	36,8 kg (each)
Enclosure materials	Plywood; wear-resistant paint
Grill	Steel grill, acoustically transparent backing
<b>VerA M Top:</b>	
Connectors	Neutrik Speakon
Mounting	35mm pole socket
Dimensions (WxHxD)	171x920x231 mm (each)
Net weight	15,4 kg (each)
Gross weight	17,4 kg (each)
Grill	Steel grill, acoustically transparent backing



# 5. SYSTEM OPERATION

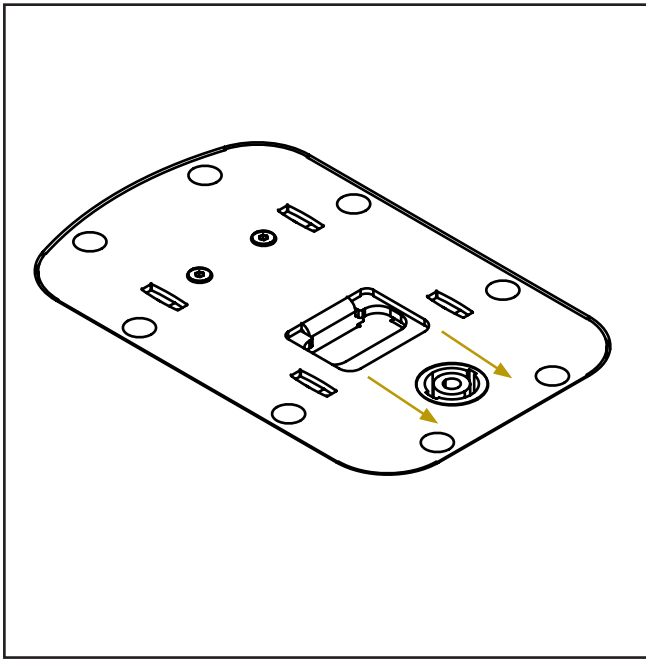
## 5.1. Rigging

VerA M system is a ready plug&play speaker set that comes with two stands to place the VerA M top on the VerA M sub. The stand also houses the connecting speaker cable so VerA M is simple to connect, simple to use, and easy to transport.

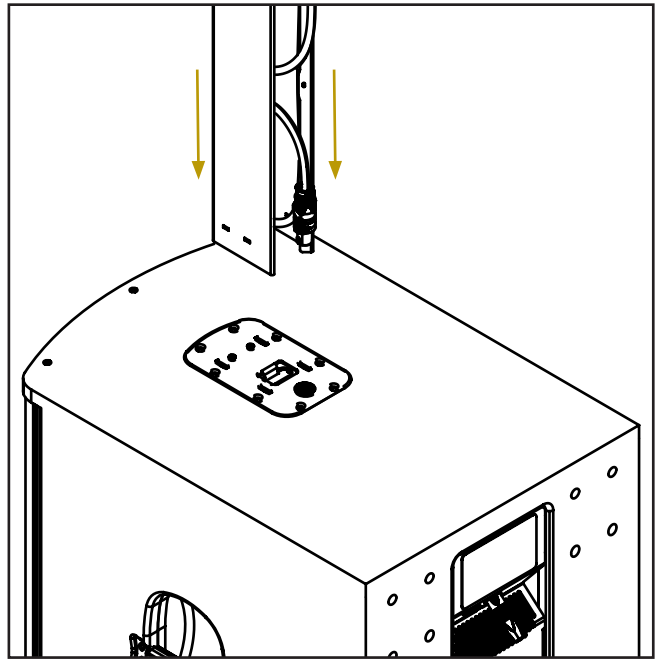
Exercise caution while setting up the system using the stands.

## 5.2. Setting up the VerA M system using stands.

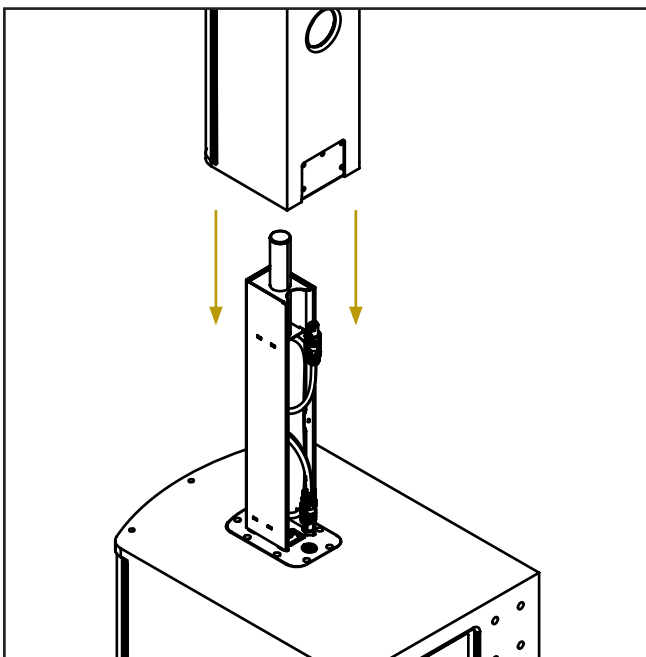
Different options are available while flying X series full-range speakers using integrated M10 flying points.



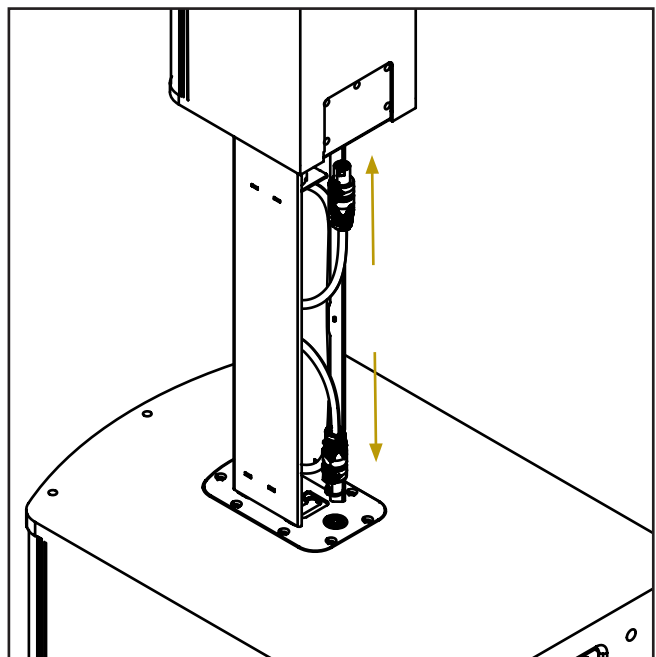
Pull the stand release lever on the top of the VerA M sub.



Insert the stand into the sockets of the VerA M sub.



Place the VerA M top onto the stand.

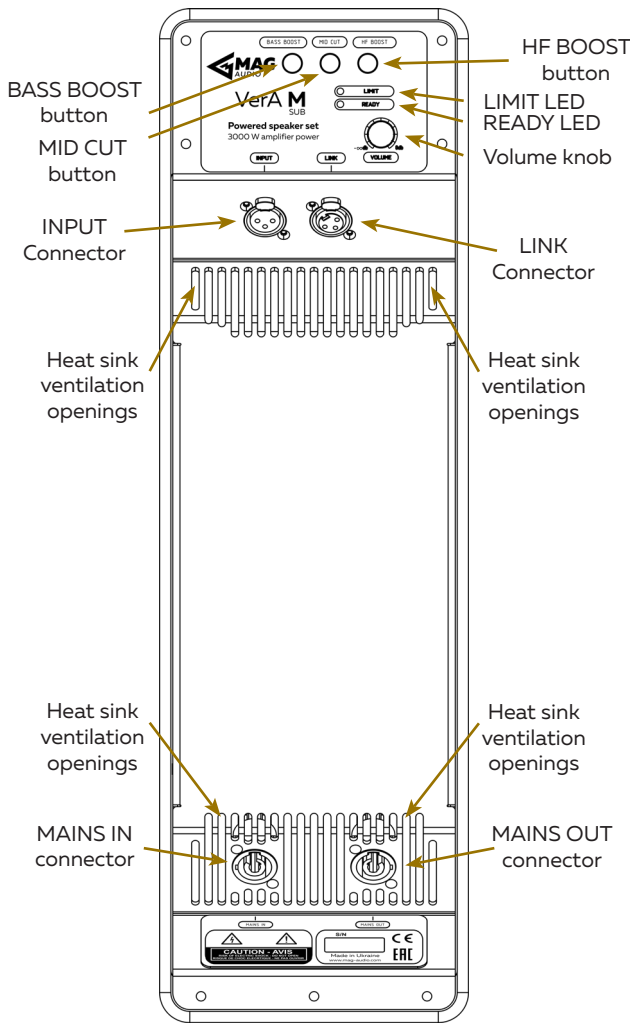


Insert Speakon connectors in the sockets of the VerA M Sub and VerA M Top.

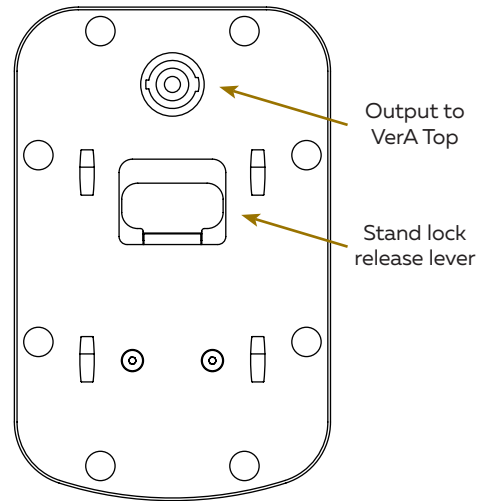
### 5.3. Powered connections

VerA M powered set is equipped with highly efficient class D amplifiers with built-in DSP providing all necessary protection and processing for instant set-up and operation.  
 VerA M nominal mains power specifications: AC 220V, 50/60 Hz.  
 Nominal voltage tolerance: 100 - 250 V.

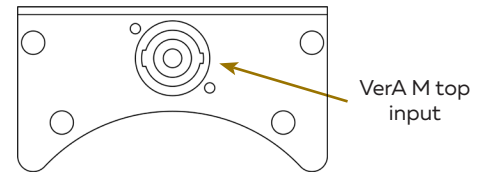
#### 5.3.1. VerA M connection panels



VerA M Sub amplifier

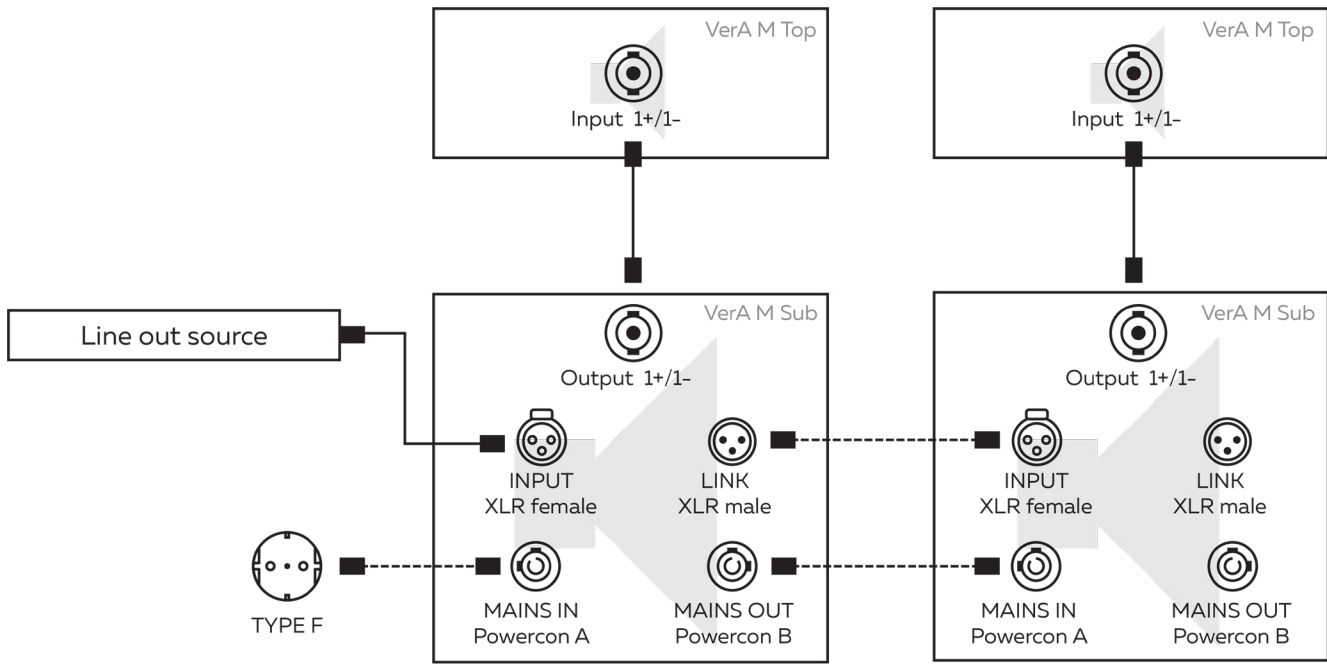


VerA M Sub stand mounting and output for VerA M Top connection

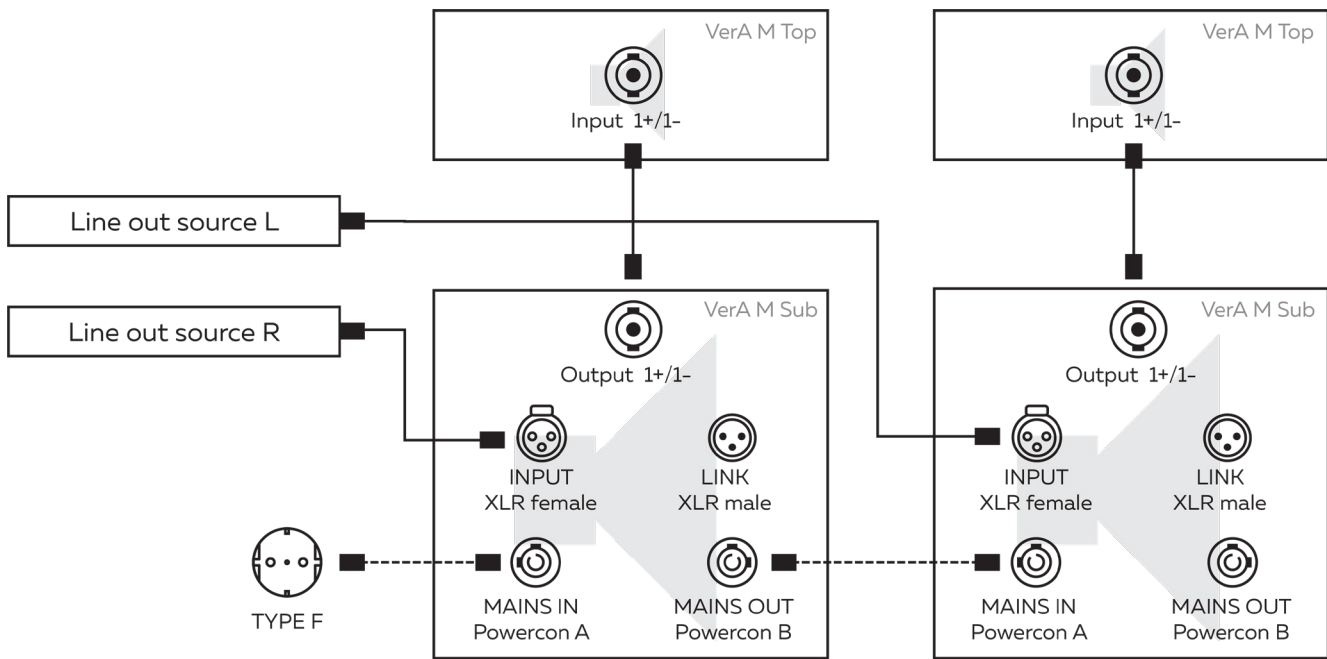


VerA M Top

### 5.3.2. VerA M connection examples



Mono source VerA M connection



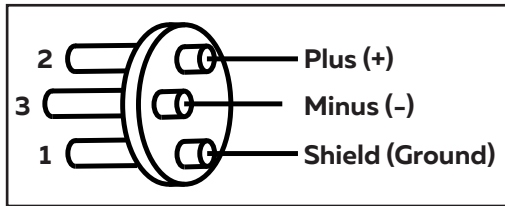
Stereo source VerA M connection



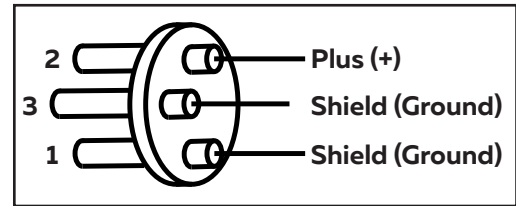
### 5.3.3 Balanced and unbalanced line inputs.

VerA M Sub subwoofers are equipped with XLR INPUT and XLR LINK connectors for signal connection.

The use of balanced XLR connector cables is recommended. In case when balanced XLR connections are not available, an unbalanced XLR connection is acceptable.



Balanced XLR



Unbalanced XLR

### 5.3.4 Powered speakers controls.

Amplifier controls allow tailoring VerA M performance for any particular venue or project.

**Volume knob.** Adjusts the amplifier's gain.

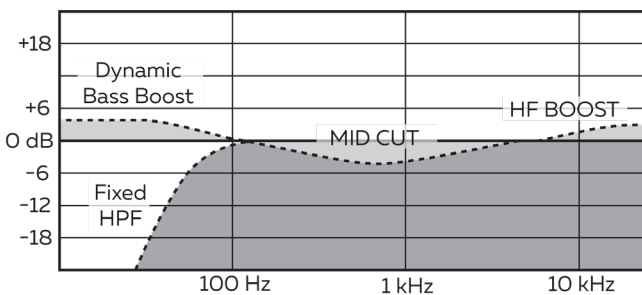
**MID CUT button.** Controls the mid-range of full-range cabinets.

**HF BOOST button.** Raises the high-frequency output for far-field applications.

**BOOST button.** Turns on the Dynamic Bass Boost.

**Fixed HPF.** All powered X series are equipped with HPF for driver protection that cannot be turned off.

**Dynamic Bass Boost.** For improved performance at the bottom end of the frequency range at low volumes, Dynamic Bass Boost adds up to +4dB gain on frequencies below 60Hz depending on the input level. This contour can be switched on using the BASS BOOST button on VerA M Sub.



VerA M frequency corrections (VerA M Sub + VerA M Top)

# 6. STANDARD CONTENTS

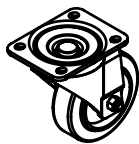
Please check the complement of your VerA M system upon receiving the package.

Standard contents of VerA M system:

System	Item	Quantity
VerA M-BK	VerA M Sub-BK	2
	VerA M Top-BK	2
	HLS-01-BK (Stand)	2
	VerA M user manual	1
	Packaging set	1
VerA M-WH	VerA M Sub-WH	2
	VerA M Top-WH	2
	HLS-01-WH (Stand)	2
	VerA M user manual	1
	Packaging set	1

# 7. ACCESSORIES

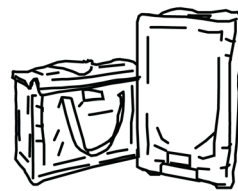
Various accessories are available for VerA M systems:



**WH-1001** (Part No. 00-00003376)  
100mm turning castor wheel



**WH-1002** (Part No. 00-00003374)  
100mm turning castor wheel with brakes



**VerA M Sub-TB** (Part No. 00-0021475)  
Transportation bag for VerA M Sub

**VerA M Top-TB** (Part No. 00-0021474)  
Transportation bag for VerA M Top

**HLS-01-TB** (Part No. 00-0021476)  
Transportation bag for HLS-01 stand



# 8. WARRANTY AND ASSISTANCE

## 8.1. Product Warranty

1. By this warranty MAG Audio grants that all equipment manufactured under the MAG Audio trademark is free from defects in material, components, and factory workmanship under the normal use and maintenance for the time as specified below.
2. All warranty repairs and maintenance of MAG Audio products shall be carried out at MAG Audio production sites or by MAG Audio authorized personnel at no cost to the product purchaser.
3. Warranty period for cone transducers, high-frequency drivers, and crossovers, whether sold separately or as a component of a speaker system, is 60 months from the production date.
4. Warranty period for enclosures, grills, connection plates, and accessories, whether sold separately or as a component of a speaker system, is 60 months from the production date.
5. Warranty period for built-in power amplifiers, whether sold separately or as a component of a speaker system, is 36 months from the production date.
6. Warranty repairs or maintenance will be performed only if a) the MAG Audio product was purchased from an official MAG Audio distributor/dealer and b) the warranty card with specified serial number, production date, realization date, vendor's signature, and the stamp is presented.
7. Warranty shall not cover the following: damage caused by accident, misuse, or failure to follow exploitation rules stated in the technical manual; repairs performed by non-authorized personnel; mechanical damage caused by shipping accidents and normal tear and wear.
8. Warranty shall not apply to any product with defaced, removed, or modified serial number.
9. If your MAG Audio product needs repairs or maintenance, contact your official MAG Audio distributor/dealer. Please do not ship your MAG Audio product without prior authorization.

## 8.2. Assistance

There are no user-serviceable parts in your device. Refer servicing to qualified technical personnel. In addition to the in-house service department, MAG Audio supports the chain of distributors, authorized in repairs and service. If your device needs repair contact your MAG Audio dealer or distributor.

Occasionally, due to the nature of the failure, it might be necessary to return defective products to MAG Audio for repair. In this case, before shipping, please kindly contact your MAG Audio distributor or dealer, or MAG Audio directly. You will be provided the RMA number code and detailed instructions regarding your particular case. Please do not send products without prior authorization.

Thank you for your understanding, cooperation, and choice of MAG Audio products.



# 9. NOTES

15 horizontal grey bars for notes.





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