

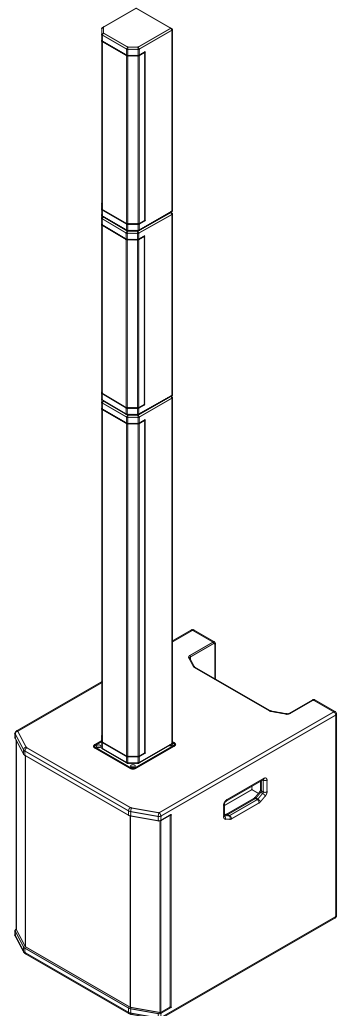


## ***User's Manual***

VA42BM / VA42TP / VA-WP  
VA12SA



**TOPP PRO MUSIC GEAR**  
[www.topppro.com](http://www.topppro.com)




Important Safety Instructions





**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN





TO REDUCE THE RISK OF ELECTRIC SHOCK PLEASE DO NOT REMOVE THE COVER OR THE BACK PANEL OF THIS EQUIPMENT. THERE ARE NO PARTS NEEDED BY USER INSIDE THE EQUIPMENT. FOR SERVICE, PLEASE CONTACT QUALIFIED SERVICE CENTERS.

- 

This symbol, wherever used, alerts you to the resence of un-insulated and dangerous voltages in the product enclosure. These are voltages that may be sufficient to constitute the risk of electric shock or death.
- 

This symbol, wherever used, alerts you to important operating and maintenance instructions. Please read.
- 

Protective Ground Terminal
- 


AC mains (Alternating Current)
- 

Hazardous Live Terminal
- ON: Denotes the product is turned on.
- OFF: Denotes the product is turned off.

**CAUTION**  
Describes precautions that should be observed to prevent damage to the product.

1. Read this Manual carefully before operation.

2. Keep this Manual in a safe place.

3. Be aware of all wamings reported with this symbol. 

4. Keep this Equipment away from water and moisture.

5. Clean it only with dry doth. Do not use solvent or other chemicals.

6. Do not damp or cover any cooling opening. Install the equipment only in accordance with the Manufacturer's instructions.


7. Power Cords are designed for your safety. Do not remove Ground connections! If the plug does not fit your AC outlet, seek advice from a qualified electrician. Protect the power cord and plug from any physical stress to avoid risk of electric shock. Do not place heavy objects on the power. This could cause electric shodk or fire.

8. Unplug this equipment when unused for long periods of time or during a storm.

9. Refer all service to qualified service personnel only. Do not perform any servicing other than those instructions contained within the User's Manual.


10.To prevent fire and damage to the product, use only the recommended fuse type as indicated in this manual. Do not short-circuit the fuse holder. Before replacing the fuse, make sure that the product is OFF and disconnected from the AC outlet.

**WARNING**  
To reduce the risk of electric shock and fire, do not expose this equipment to moisture or rain.



Dispose of this product should not be placed in municipal waste and should be separate collection.

11. Move this Equipment only with a cart, stand, tripod, or bracket, specified by the manufacturer, or sold with the Equipment. When a cart is used, use caution when moving the cart/ equipment combination to avoid possible injury from tip-over.



12. Permanent hearing loss may be caused by exposure to extremely high noise levels. The US. Government's Occupational Safety and Health Administration (OSHA) has specified the permissible exposure to noise level. These are shown in the following chart:

| Hours x day  | SPL | Example                     |
|--------------|-----|-----------------------------|
| 8            | 90  | Small gig                   |
| 6            | 92  | Train                       |
| 4            | 95  | Subway train                |
| 3            | 97  | High level desktop monitors |
| 2            | 100 | Classic music concert       |
| 1.5          | 102 |                             |
| 1            | 105 |                             |
| 0.5          | 110 |                             |
| 0.25 or less | 115 | Rock Concert                |

According to OSHA, an exposure to high SPL in excess of these limits may result in the loss of heat. To avoid the potential damage of heat, it is recommended that Personnel exposed to equipment capable of generating high SPL use hearing protection while such equipment is under operation.

The apparatus shall be connected to a mains socket outlet with a protective earthing connection.

The mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

Notes

# 11

## GUARANTEE

**Topp Pro** guarantees the normal operation of the product against any defect of manufacture and / or vice of material, by the term of (12) months, counted as of the date of purchase on the part of the user, committing itself to repair or to change, to its election, without position some, any piece or component that will fail in normal conditions of use within the mentioned period.

This guarantee is valid if the original buyer will have to present/display this certificate properly sealed and signed by the selling house, accompanied by the corresponding invoice of purchase where it consisted the model and serial number of the acquired equipment.

The guarantee does not cover:

- Damages caused by the illegal use of the product, repair and/or nonauthorized modification conducted by people by **Topp Pro**.
- Damages caused by the connection of the equipment to other equipment different from the specified ones in the manual of use, or by bad connection to these last ones.
- Damages caused by electrical storms, blows and/or incorrect transport.
- Damages caused by excesses or falls of tension in the network or by connection to networks with a tension different from the required one by the unit.
- Damages caused by the presence of sand, acid of batteries, water, or any strange element inside the equipment.
- Deteriorations produced by the course of the time, use and/or normal wear of the unit.
- Alteration or absence of the serial number of factory of the equipment.

The repairs could only be carried out the authorized technical service by **Topp Pro**, that will inform about the term and other details into the repairs to take place according to this guarantee.

**Topp Pro**, will repair this unit in counted a term nongreater to 30 days as of the date of entrance of the unit to the Technical Service. In those cases in that due to the particularity of the spare part, outside necessary their import, the repair time and the viability of the same one will be subject to the effective norms for the import of parts, in which case one will inquire to the user about the term and possibility into repair.

With the object of its correct operation, and of the validity of this one guarantee, this product will have to be installed and to be used according to the instructions that are detailed in the manual associate or the package of the product.

This unit will be able to appear for its repair, next to the invoice of purchase (or any other proof where the date of purchase consists), to its authorized distributor Topp Pro or an authorized technical center on watch by **Topp Pro**.

**Exclusion of damages:**

THE RESPONSABILITY OF **TOPP PRO** BY ANY DEFECTIVE PRODUCT IS LIMITED THE REPAIR OR THE REPLACEMENT OF HE HIMSELF, TO TOPP OPTION PRO. IF WE CHOSE TO REPLACE THE PRODUCT, THE REPLACEMENT CAN BE A RECONDITIONATED UNIT. TOPP PRO WILL NOT BE RESPONSIBLE BY THE DAMAGES BASED ON THE LOST, INCONVENIENCE, LOSS OF USE, BENEFITS, LOST SAVINGS, BY THE DAMAGE TO OTHER EQUIPMENT OR OTHER ARTICLES IN THE USE SITE, OR BY ANY OTHER DAMAGE IF HE IS FORTUITOUS, CONSEQUENT OR OF ANOTHER TYPE, ALTHOUGH TOPP PRO HAS BEEN NOTICED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow to the exclusion or the limitation to the fortuitous or consequent damages, so the aforesaid limitation can not be applied to you.

This guarantee gives specific legal rights him, you you can also have other right that varies of state to state.

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# 1 Introduction

Thank you for choosing **TOPP PRO**. The new **TOPP PRO MUSIC GEAR** cabinets have been designed to provide a cost effective high grade solution while maintainig high quality cabinet construction and optimum components.

Our Professional Audio Products are designed and tested by a highly qualified engineering team with more than 20 years of experience. Great care is placed in delivering products with excellent performance, specifications and dependable reliability. Also great emphasis is placed in creating and bringing to market products that can fill multiple applications and also offer customers exceptional value.

Every **TOPP PRO** audio product is strictly tested and complied to very strict standards.

# 2 Installation Tips

- Speakers should be placed in a position that allows for unobstructed sound projection. In many instances it is beneficial for speakers to elevate on tripod stands to achieve maximum dispersion and reach. Consider TOPP PRO speaker stand or equivalent to raise speakers.
- Using quality cables ensure best possible sound. Consider using TOPP PRO 16 or 14 gauge cables or equivalent.
- For best results match the speakers to a good amplifier that matches the wattage and impedance of your speakers. Proper amplification power results in good quality audio and longer component life. Check out.
- Avoid pointing microphone directly at an amplified speaker otherwise could cause feedback possible damaging speaker components and your hearing.

Enjoy the sound!

# 3 Useful Data

Please write your serial number here for future reference.

Serial Number:

Date of Purchase:

Purchased at:

## TECHNICAL SPECIFICATIONS

| Active Subwoofer         | VA12SA   |
|--------------------------|--|
| System Type              | 12" Active Subwoofer Speaker Cabinet   |
| Frequency Response(-6dB) | 40 Hz – 500 Hz   |
| Total Amplifier Power    | 1000 W Continuous/2000W Program/4000W Peak Class D @ 4 Ohms  |
| Amplifier, Subwoofer     | 500 W Continuous/1000W Program/2000W Peak Class D @ 4 Ohms   |
| Amplifier, Satellite     | 500 W Continuous/1000W Program/2000W Peak Class D @ 4 Ohms   |
| DSP Presets              | Center / Open / User   |
| Sensitivity (1W/1M)      | 96dB   |
| Maximum SPL@1M           | 130dB Max(Calculated)  |
| Electronic Protections   | Over heat Protection / Short Circuit Protection / Digital Compressor   |
| Cooling                  | Temperature-controlled fan   |
| Connections              | Input: 2 Combo-XLR&1/4", RCA In L&R, 1 XLR Thru&Mixout   |
| External Controls        | Volume Control/Switch for Input sens/Swtich for mode selector/Power ON with Green LED/Limiter with Red LED/Ground Lift/IP Control/MP3/ BT Player |
| Power Supply             | 110V/230V ~50/60Hz   |
| Enclosure Construction   | Plywood Cabinet,Resistant Black Paint, Metal Grille with Foam, Rubber Feet,Integrated side handles   |
| Mounting                 | Holder with Input Jacks for Pole   |
| Dimensions(WxHxD)        | 379*500* 473mm (14.92" x 19.69" x 18.62")  |
| Net Weight               | 21.5Kg (47.40 lbs)   |

| Pole                   | VA-WP  |
|------------------------|--|
| Enclosure Construction | Plywood Cabinet, Resistant Paint, Metal Grille with Foam                           |
| Mounting               | 2 x Holder,1 x Input Connector for Sub, Another with Input Connector for Satellite |
| Dimensions(WxHxD)      | 700*106.6* 98mm(27.56" x 4.20" x 3.86")  |
| Net Weight             | 2.70Kg (5.95 lbs)  |

# 10

## TECHNICAL SPECIFICATIONS

| Passive Speaker          | VA42BM  |
|--------------------------|---|
| System Type              | 3.5" Passive Speaker System   |
| Output Power             | 120W Continuous, 240W Program, 480W Peak  |
| Sensitivity (1W/1M)      | 95dB  |
| Maximum SPL @ 1m         | 122dB Max.(calauated)   |
| Frequency Response(-6dB) | 160Hz-20kHz   |
| Impedance                | 8 ohms  |
| Transducer Low           | 4 x 3.5" Woofer , 1.0" (25.4mm) Voice Coil  |
| Crossover Frequency      | 500Hz   |
| Dispersion(-6dB)         | 100°Horizontal  |
| Attachment Points        | Adjustable Rigging System, Horizontal Splay Rotation in -90°-0°- 90° Increments from 180° |
| Connectors               | Parallel or Series $\phi$ 6.3mm Socket / Selection Switch                                 |
| Enclosure Construction   | Plywood Cabinet, Resistant Paint, Metal Grille with Foam                                  |
| Mounting                 | 2 x Holder, 1 x Input Connector for AX Pole, Another with Input Connector for AX V42TP    |
| Dimensions (HxWxD)       | 448*106.6* 98mm(17.64" x 4.20" x 3.86")   |
| Net Weight               | 3.48Kg (7.67 lbs)   |

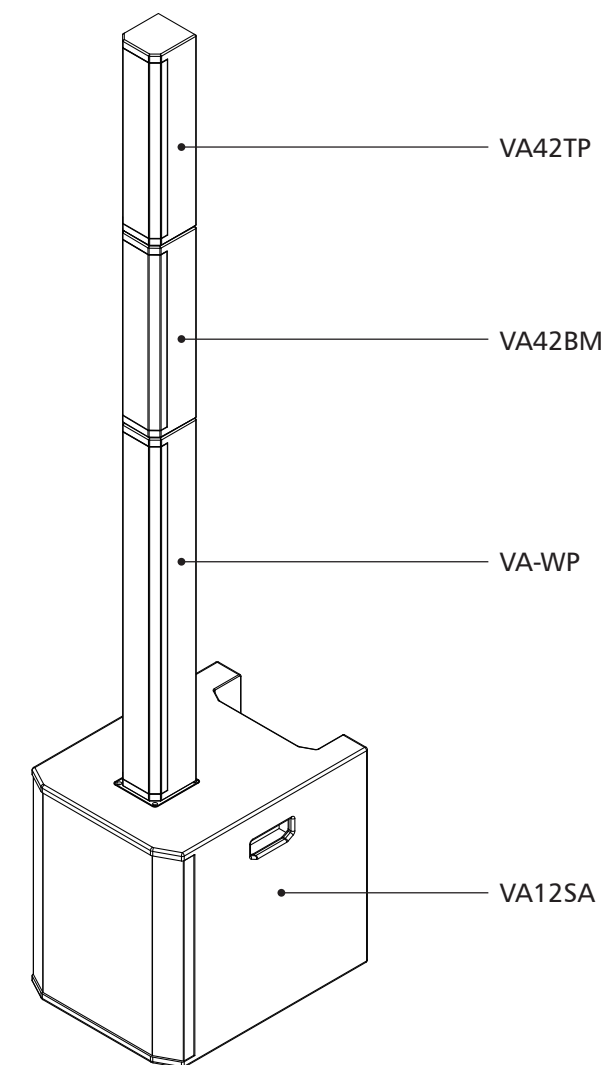
| Passive Speaker          | VA42TP  |
|--------------------------|---|
| System Type              | 3.5" Passive Speaker System   |
| Output Power             | 120W Continuous, 240W Program, 480W Peak  |
| Sensitivity (1W/1M)      | 95dB  |
| Maximum SPL @ 1m         | 122dB Max.(calauated)   |
| Frequency Response(-6dB) | 160Hz-20kHz   |
| Impedance                | 8 ohms  |
| Transducer Low           | 4 x 3.5" Woofer , 1.0" (25.4mm) Voice Coil  |
| Crossover Frequency      | 500Hz   |
| Dispersion(-6dB)         | 100°Horizontal  |
| Attachment Points        | Adjustable Rigging System, Horizontal Splay Rotation in -90°-0°- 90° Increments from 180° |
| Connectors               | Parallel or Series $\phi$ 6.3mm Socket / Selection Switch                                 |
| Enclosure Construction   | Plywood Cabinet, Resistant Paint, Metal Grille with Foam                                  |
| Mounting                 | 1 x Holder, 1 x Input Connector for AX V42BM or AX Pole                                   |
| Dimensions (HxWxD)       | 422*106.6* 98mm(16.61" x 4.20" x 3.86")   |
| Net Weight               | 3.41Kg (7.52 lbs)   |

## Quick Start

When mounting a speaker onto any stand, always ensure that the stand is on a flat, level surface, with the legs fully extended. Be sure to check that the maximum load weight for the stands is greater than the weight of the ARRAY SYSTEMS loudspeaker. Never use a stand with a maximum load weight lower than the speaker. Do not attempt to mout more than one speaker on a stand at one time.

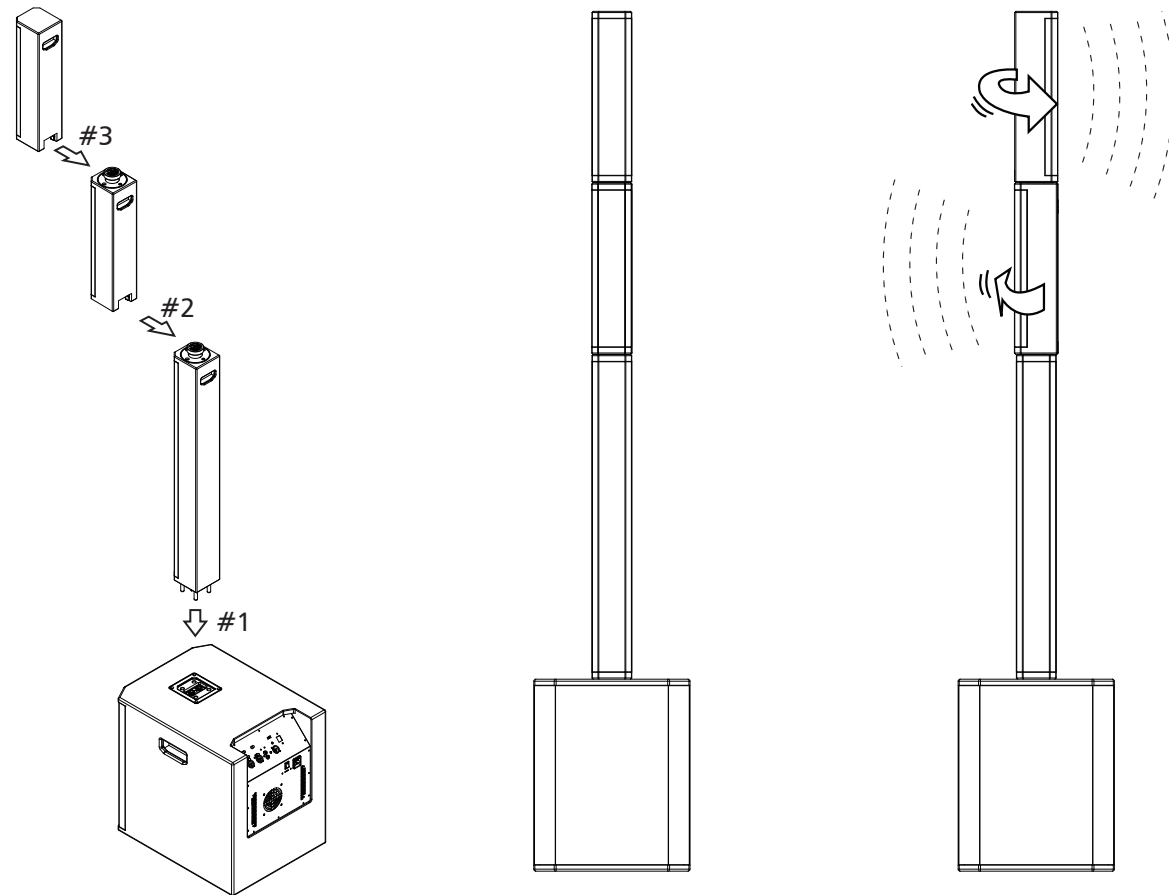
The ARRAY SYSTEMS loudspeakers are heavy. It is recommended that a second person to help place the cabinet on a stand.

When the speaker is placed on a stand, always check the integrity and center of gravity of the system If the speaker can be tipped easily, or the pole is swaying, it is recommended that you lower the height of the stand. Position the stand and route cables so that the performers and the audience cannot tip over or trip on the system.



## Connect Manner

- 1 Insert the 4 PCS of fixed legs of **VA-WP** into the fixed seat of SUB, It means the assembly and connection of signal cable completed, details as below picture#1.
- 2 Snap the slot-terminal holder of **VA42BM** into the upper protruding holder of **VA-WP**, and then push **VA42BM** into slots along the opposite direction of grill. It means the assembly and connection of signal cable completed. details as below picture #2.
- 3 Snap the slot-terminal holder of **VA42TP** into the upper protruding holder of **VA42BM**, and then push **VA42BM** into slots along the opposite direction of grill. It means the assembly and connection of signal cable completed . details as below picture #3.
- 4 Once assembly completed, no extra signal cable needed, based on the needs, user can rotate **VA42BM** / **VA42TP** towards left or right within 90 degree limit.

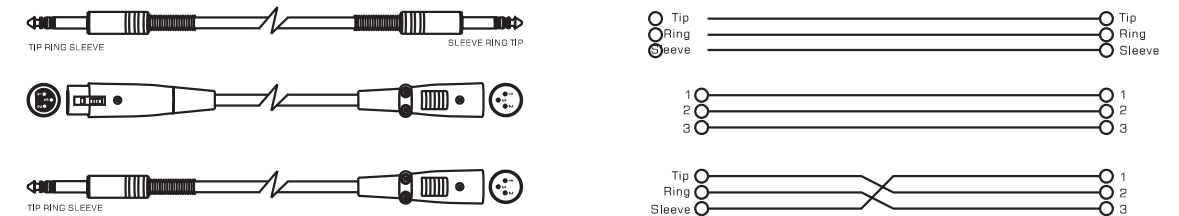


## WIRE CONNECTIONS

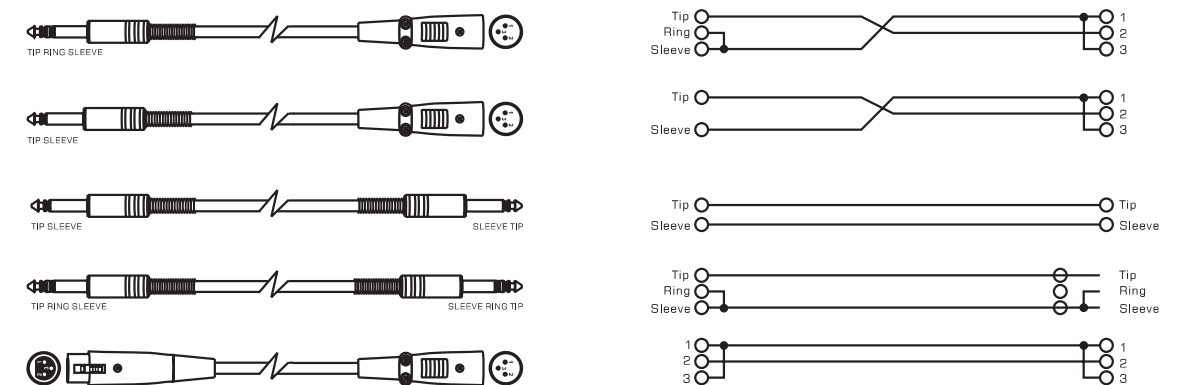
### -For Active Speaker Cabinets

As to these circumstances, audio connections is mostly intended for the signal flow, so, determine the wire configuration according to your real application system and its connecting facility. Normally, you have the following choices:

#### • Balanced

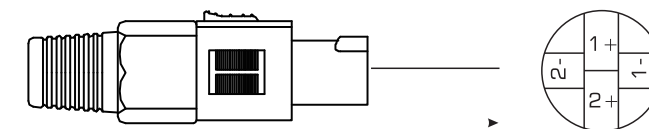


#### • Unbalanced



### -For Passive Speaker Cabinets

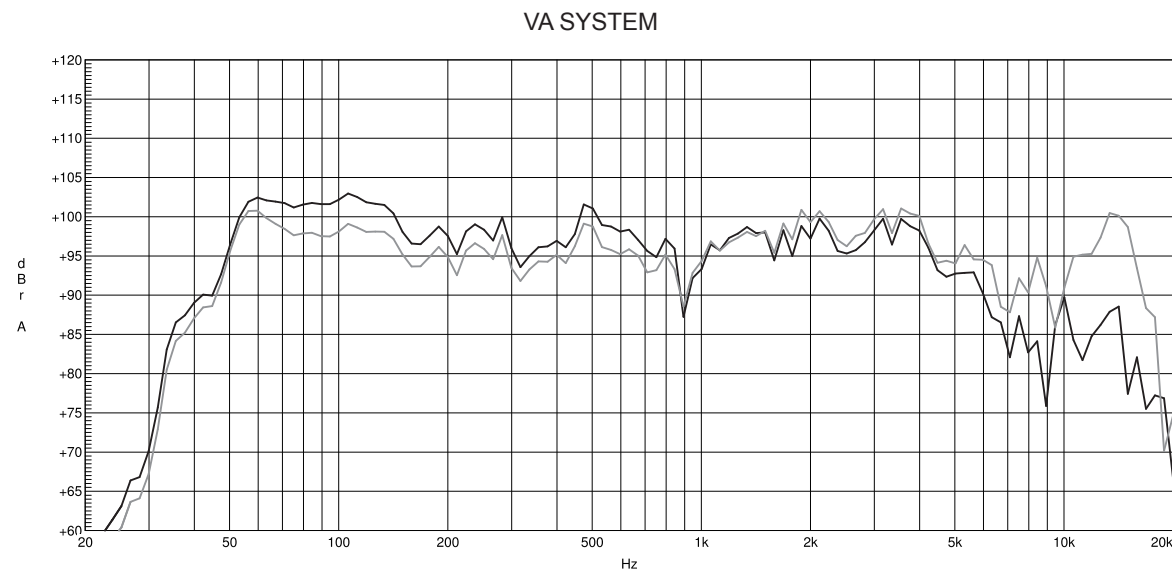
Please only use the power connectors to make connections with other signal source equipment for the passive speaker cabinets. The power connector has four terminals: 1+, 1-, 2+, 2-.



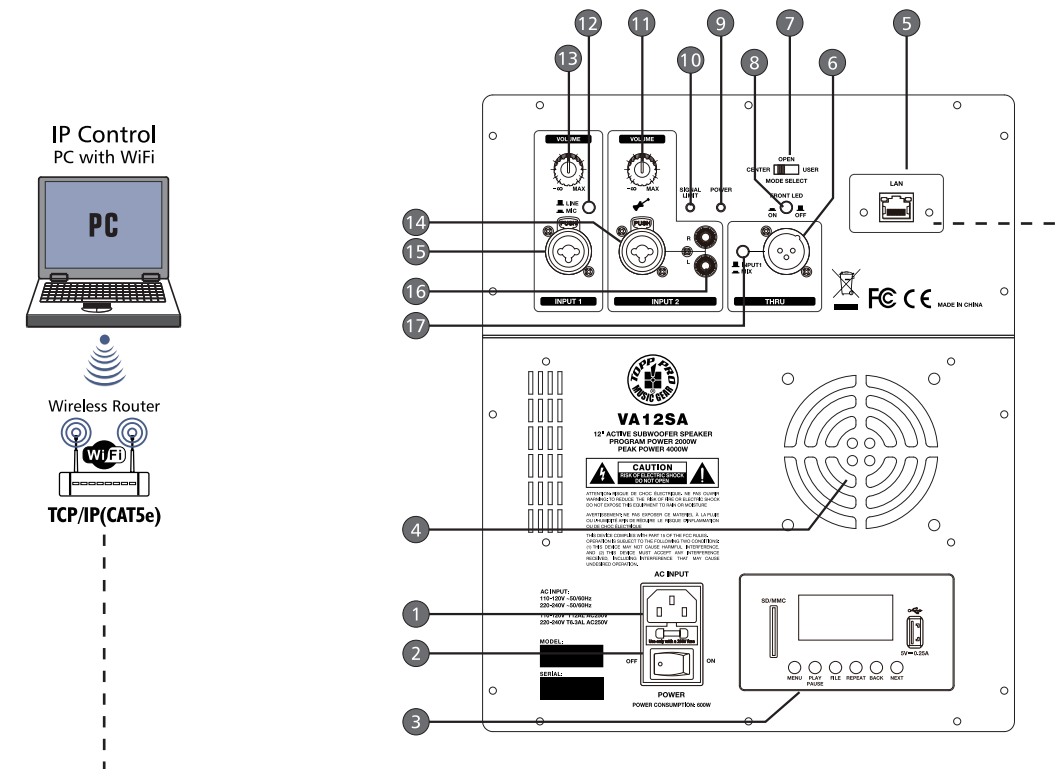
In our cabinets, only 1+/1- are used to connect the Speaker+/Speaker-, and 2+/2- are not used.



## FREQUENCY RESPONSE DIAGRAM



## BACK PANEL DESCRIPTION

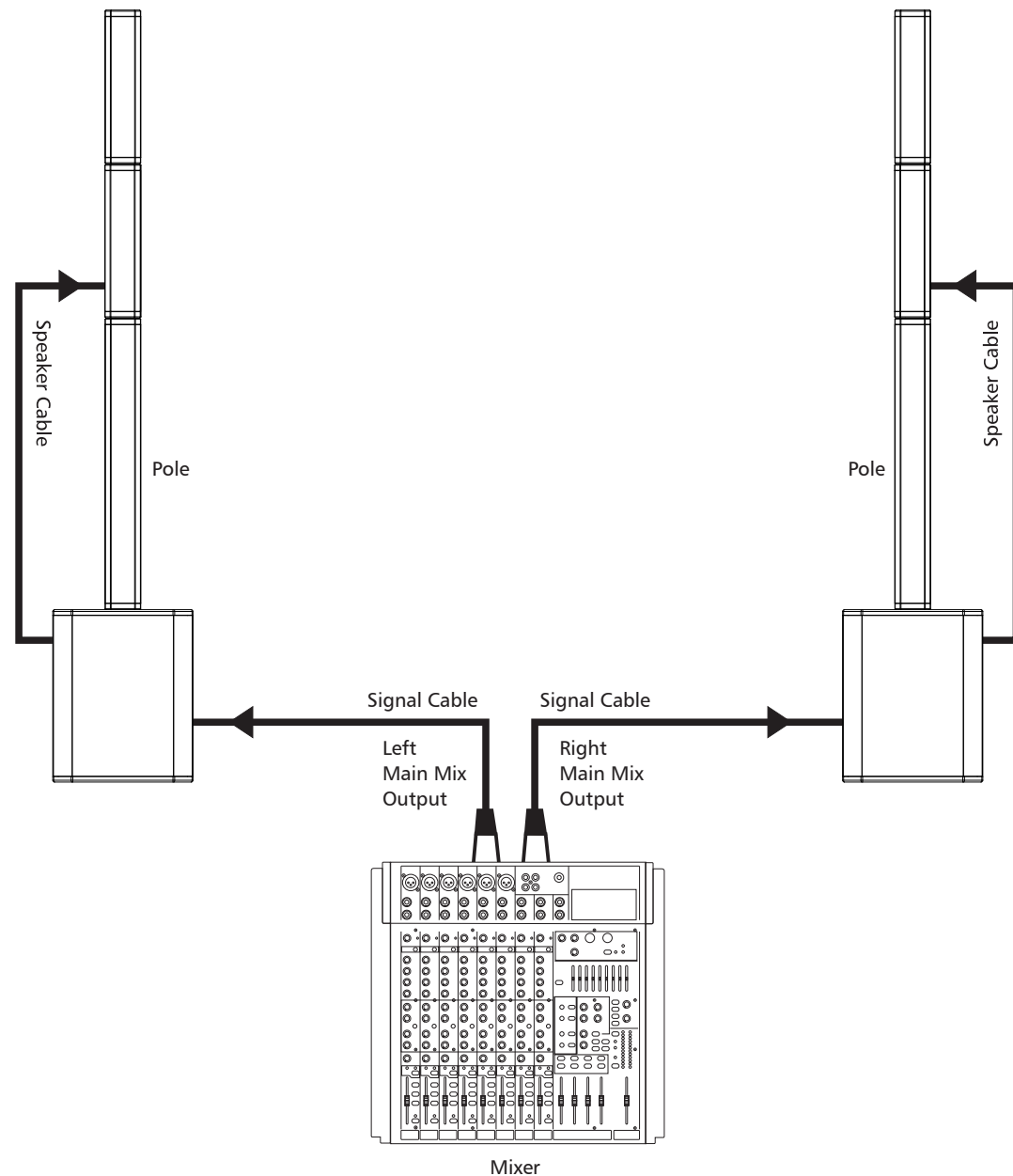


- 1) AC POWER SOCKET WITH MAIN FUSE.
- 2) ON-OFF MAIN POWER SWITCH.
- 3) MP3 PLAY
- 4) CONVECTION FAN
- 5) IP CONTROL
- 6) THRU OUTPUT ON XLR CONNECTOR  
This is a male XLR-type connector that produces exactly the same signal that is connected to the main input jack or a mix of input1 and input2.
- 7) CENTER/OPEN/USER  
CENTER: Allow use this subwoofer with the 2 satellite (**VA42TP** and **VA42BM**) .Defaults factory preset for Both satellites never rotate and keep grill towards front  
OPEAN: Allow use this subwoofer with the 2 satellite (**VA42TP** and **VA42BM**) . Defaults factory preset for the **VA42TP** (or **VA42BM**) turn 45 degree towards left, another turn 45 degree towards right.
- 8) SWITCH FOR FRONT LED ON OR OFF
- 9) POWER. GREEN LED, INDICATE ON STATUS.
- 10) SIGNAL / LIMIT, RED LED, INDICATE ON STATUS.
- 11) INPUT2 ON COMBO CONNECTOR.
- 12) LINE / MIC SWITCH(CHANNEL INPUT1 ONLY)
- 13) LINE / MIC INPUT1 ON COMBO CONNECTOR.
- 14) XLR AND 1/4" COMBO INPUT2  
INPUT2 may accept Hi-Z sources (such as guitars) via the TRS 1/4" input, or line-level signal via XLR. NEVER connect the output of an amplifier directly to the input of the loudspeaker. This could damage the input circuitry of the active loudspeaker.
- 15) XLR AND 1/4" COMBO INPUT1  
INPUT1 may accept a MIC or line-level signal via XLR or line-level signal via TRS 1/4" cable. Be aware of the position of the MIC / line switch (12).
- 16) RCA INPUTS (INPUT2 ONLY).
- 17) INPUT1 / MIX SWITCH (THRU OUTPUT)  
This switch allows you to choose whether only the input1 signal is sent out to the next loudspeaker(switch out-input1) or mix of the input1 and input2 signals are sent out to the next loudspeaker(switch in-Mix).

## CONNECTION PLATE SYSTEM

Make your initial connections with all the equipment powered off, and ensure that all the main volume controls are turned completely down.

- 1) Connect one side of the signal cable at your audio mixer into output left / right (with Stereo-Jack or XLR) and the other side of the cable into the line input (Stereo-Jack) of your active speaker cabinet.
- 2) Connect the power cord to mains.
- 3) Turn on your mixer first, then the active speaker cabinets.
- 4) Turn up the volume control of the active speaker cabinets.
- 5) Use PFL function to get the proper input level for the mixer, and adjust the Main Mix Level control to manipulate the output level.
- 6) After using, turn off your stereo power amplifier first, then the mixer.



## CONNECTION PLATE SYSTEM

Make your initial connections with all the equipment powered off, and ensure that all the main volume controls are turned completely down.

### Two Active Subwoofers & Two Passive Satellite Speakers

- 1) Connect one side of the signal cable to the output of your mixer (left / right) with a TRS or XLR connector and the other side of the cable to the line input (combo) in the active subwoofer (with a TRS to XLR connector). Then connect the speakon cable from the output of power in the Subwoofer to the satellites input.
- 2) Complete other connections as illustrated.
- 3) Turn on your mixer first, then the stereo power amplifier.
- 4) Turn up the volume controls of your amplifier to about 70%.
- 5) Use PFL function to get the proper input level for the mixer, and adjust the Main Mix Level control to manipulate the output level.
- 6) After using, turn off your stereo power amplifier first, then the mixer.

