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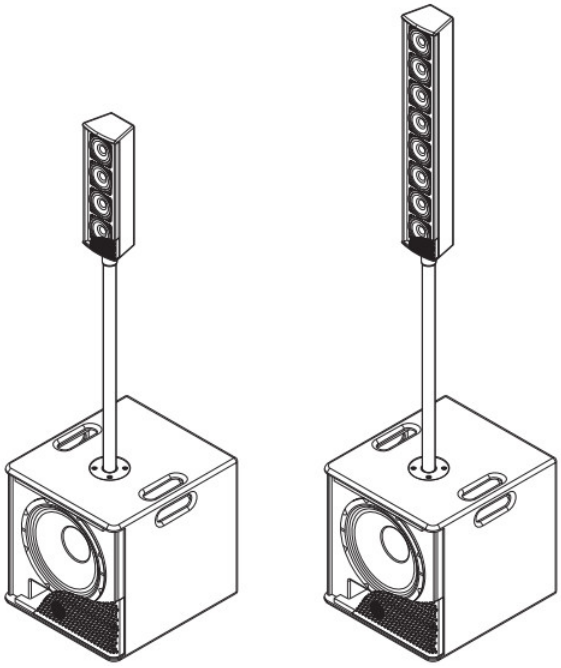
TOPP PRO SOHO V4 Loudspeaker System User Manual

User's Manual
LOUDSPEAKER SYSTEM
SOHO V4 / SOHO V8/SOHO S10 / SOHO S12 / SOHO S15
SOHO V4 / SOHO VS/ SOHO S10/ SOHO S12/ SOHO S15



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Important Safety Instructions

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 uninsulated 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 warnings 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 noexpose 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.

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.

Features

A) PASSIVE SPEAKERS:	**B) SUBWOOFER:**
• SOHO V4	• SOHO S10
• SOHO V8	• SOHO S12
• FLX 5	• SOHO S15

C) PACKAGES:

- SOHO S10+V4 SYSTEM (SOHO S10 x 2 + SOHO V4 x 2)
- SOHO S12+V4 SYSTEM (SOHO S12 x 2 + SOHO V4 x 2)
- SOHO S12+V8 SYSTEM (SOHO S12 x 2 + SOHO V8 x 2)
- SOHO S15+FLX SYSTEM (SOHO S15 x 2 + FLX 5 x 2)

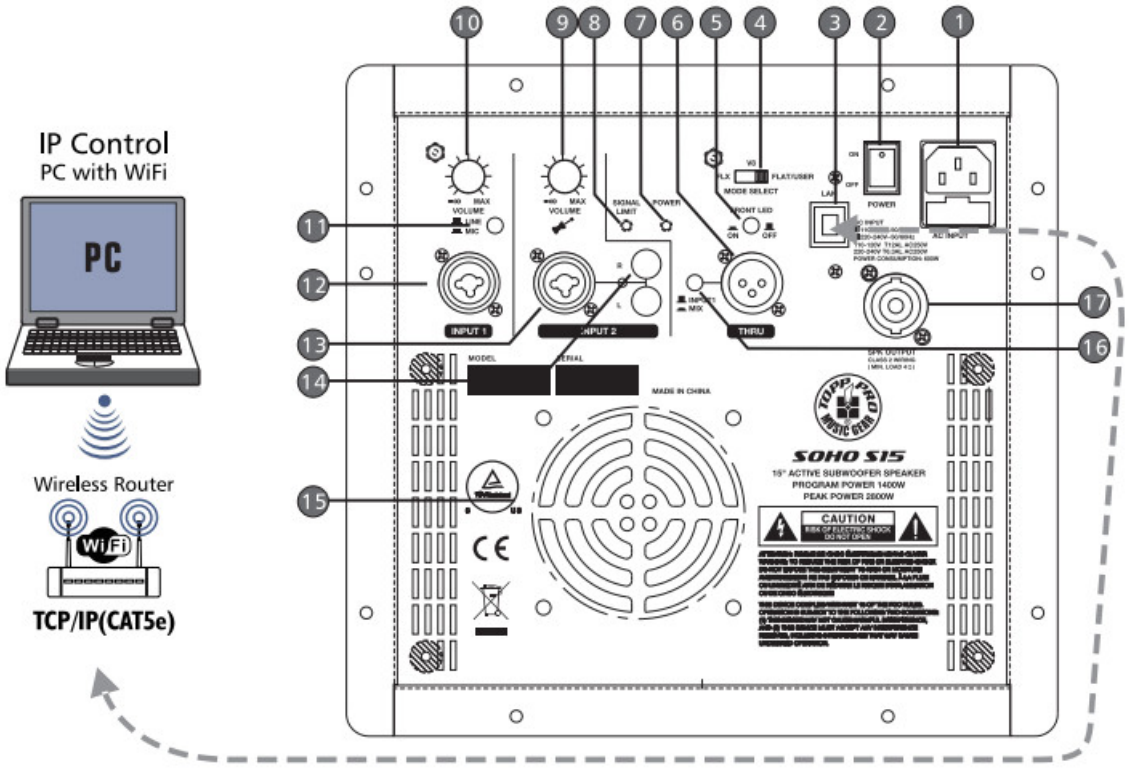
These products are design to provide a cost effective high grade solution, and they can be used for all kinds of applications, such as churches, conference center, disco, etc. You can select right model according to your request.

Usefull Data

Please write your serial number here for future reference.
Serial Number:————————-
Date of Purchase:————————
Purchased at:————————

BACK PANEL DESCRIPTION

SOHO S10



1. AC POWER SOCKET WITH MAIN FUSE.
2. ON-OFF MAIN POWER SWITCH.
3. SPK connector to satellite: Use pins + 1 positive / -1 negative
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. Preset Selector: V4 / User (Custom Sound)

   V4: Allow use this subwoofer with the 4 speaker satellite. Defaults Factory preset

   User: Adjusts the Equalization according to the convenience of the user, depending on the acoustics of the place and the implementation of the system. This setting can be performed by a PC via LAN port, using a router for internet. This “preset” comes from factory set with the parameters of the V4, after making the necessary changes you can be save into the system.
8. SWITCH FOR FRONT LED ON OR OFF
9. 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.

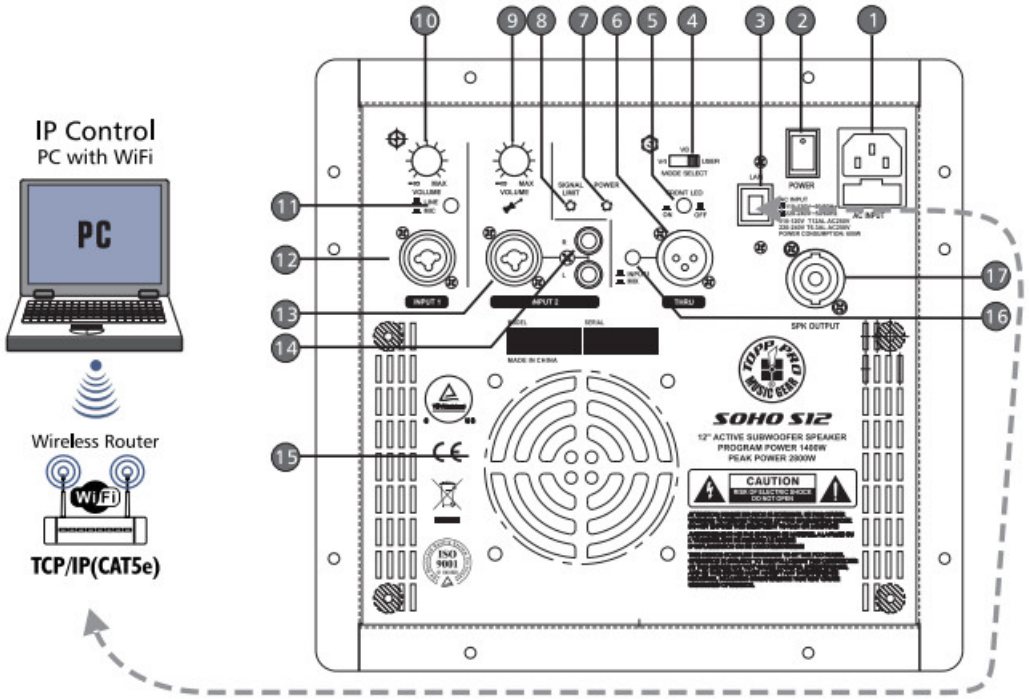
    NEVER connect the output of an amplifier directly to the input of the loudspeaker. This could damage the input circuitry of the active loudspeaker.
15. XLR AND 1/4″ COMBO INPUT1

    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).

SOHO S12



1. AC POWER SOCKET WITH MAIN FUSE.
2. ON-OFF MAIN POWER SWITCH.
3. IP CONTROL
4. Preset Selector: V4 / V8 / User (Custom Sound)

   V4: Allow use this subwoofer with the 4 speaker satellite. Defaults Factory preset V8: Allow use this subwoofer with the 8 speaker satellite. Defaults Factory preset

   User: Adjusts the Equalization according to the convenience of the user, depending on the acoustics of the place and the implementation of the system. This setting can be performed by a PC via LAN port, using a router for internet. This “preset” comes from factory set with the parameters of the V4, after making the necessary changes you can be save into the system.
5. SWITCH FOR FRONT LED ON OR OFF
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. GREEN LED, INDICATE ON STATUS.
8. SIGNAL/ LIMIT, RED LED, INDICATE ON
9. Input 2 Volume Control
10. LINE / MIC INPUT1 ON COMBO
11. LINE / MIC SWITCH(CHANNEL INPUT1 ONLY)
12. 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 (11).

13. 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.

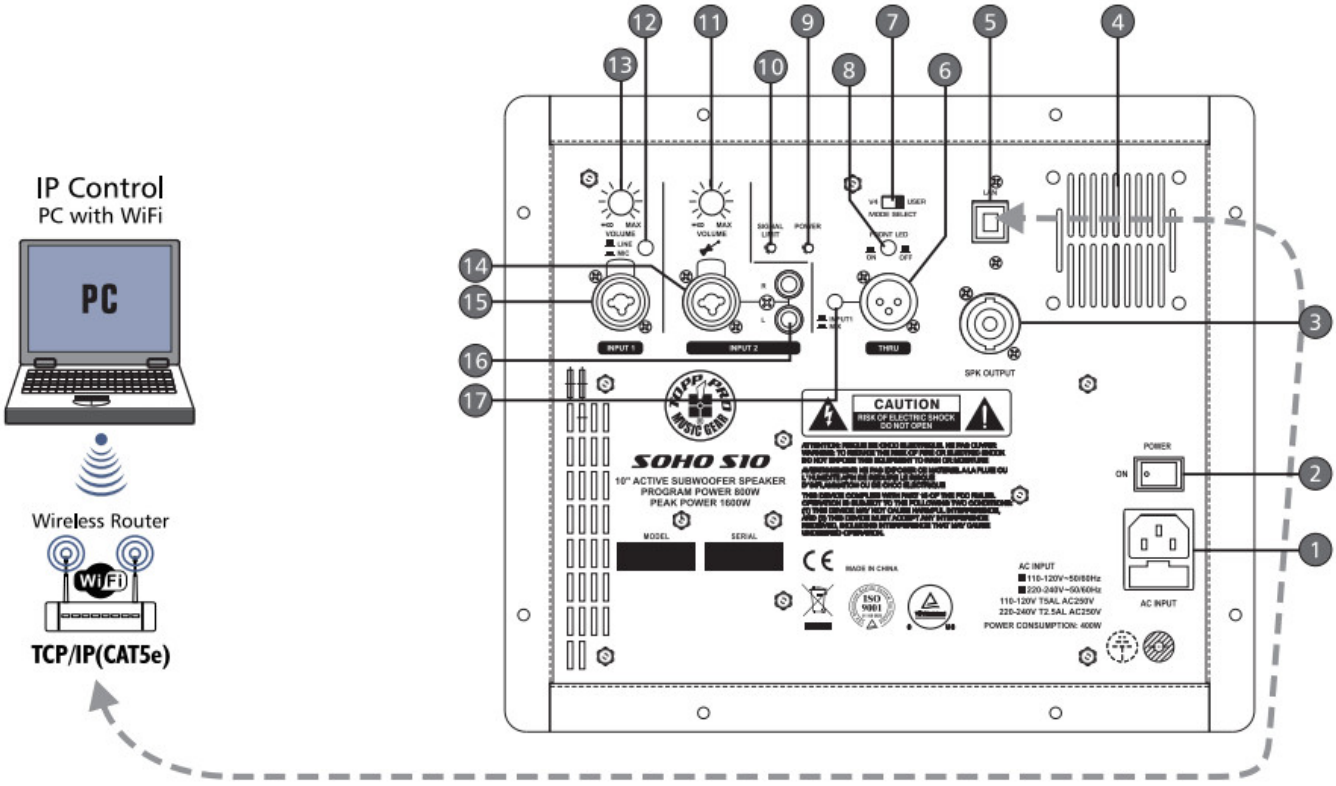
    NEVER connect the output of an amplifier directly to the input of the loudspeaker. This could damage the input circuitry of the active loudspeaker.

14. RCA INPUTS(INPUT2 ONLY).
15. CONVECTION FAN
16. INPUT1 / MIX SWITCH (THRU OUTPUT)

    This switch allows you to choose whether only the inputl 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).

    SPK connector to satellite: Use pins + 1 positive / –

SOHO S15



1. AC POWER SOCKET WITH MAIN FUSE.
2. ON-OFF MAIN POWER SWITCH.
3. IP CONTROL
4. Preset Selector: FLX / V8 / User (Custom Sound)

   FLX: Allow use this subwoofer with the 2 speaker satellite. Defaults Factory preset V8: Allow use this subwoofer with the 8 speaker satellite. Defaults Factory preset

   User/FLAT: Adjusts the Equalization according to the convenience of the user, depending on the acoustics of the place and the implementation of the system. This setting can be performed by a PC via LAN port, using a router for internet. This “preset” comes from factory set with the parameters of the FLX, after making the necessary changes you can be save into the system.

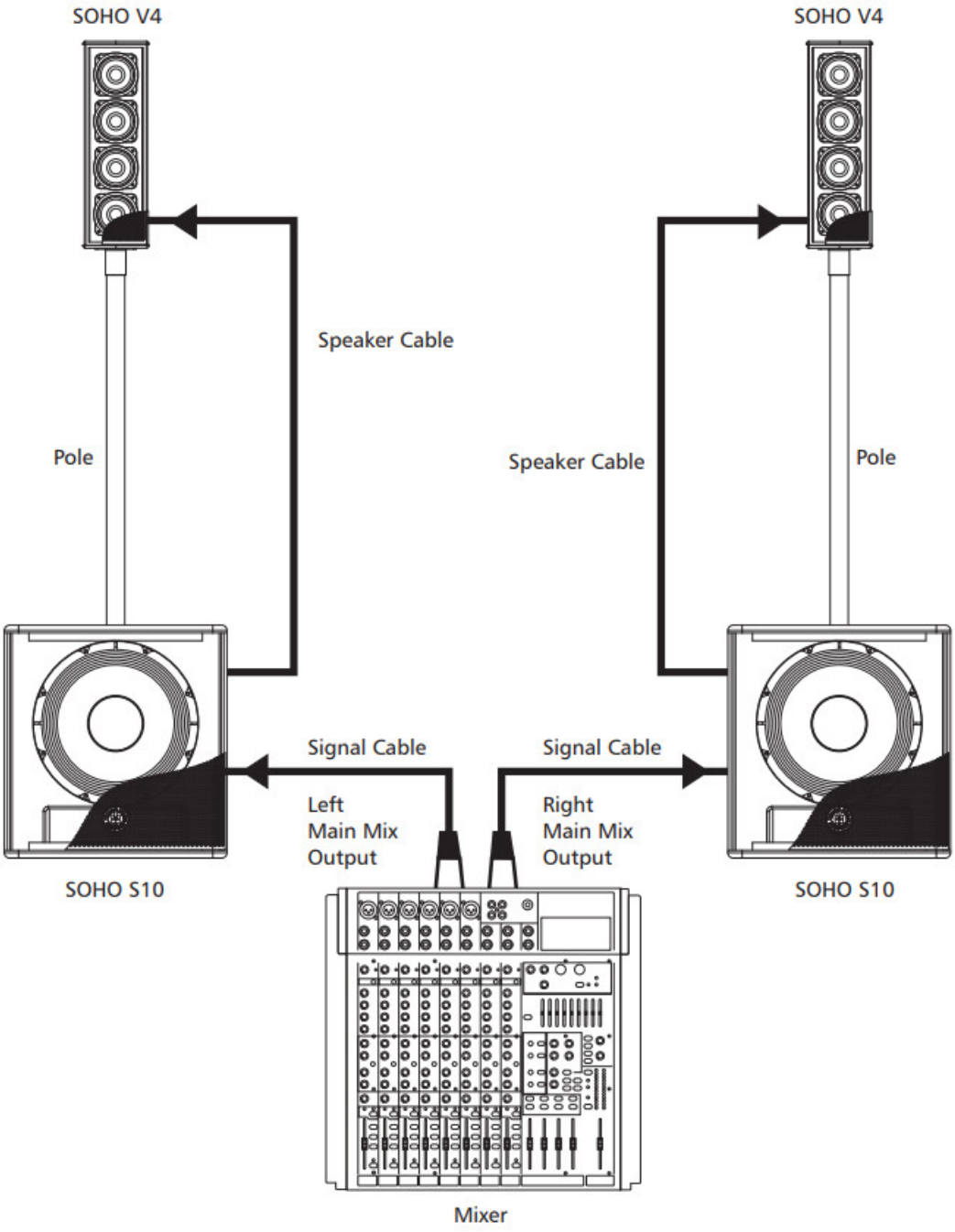
5. SWITCH FOR FRONT LED ON OR OFF

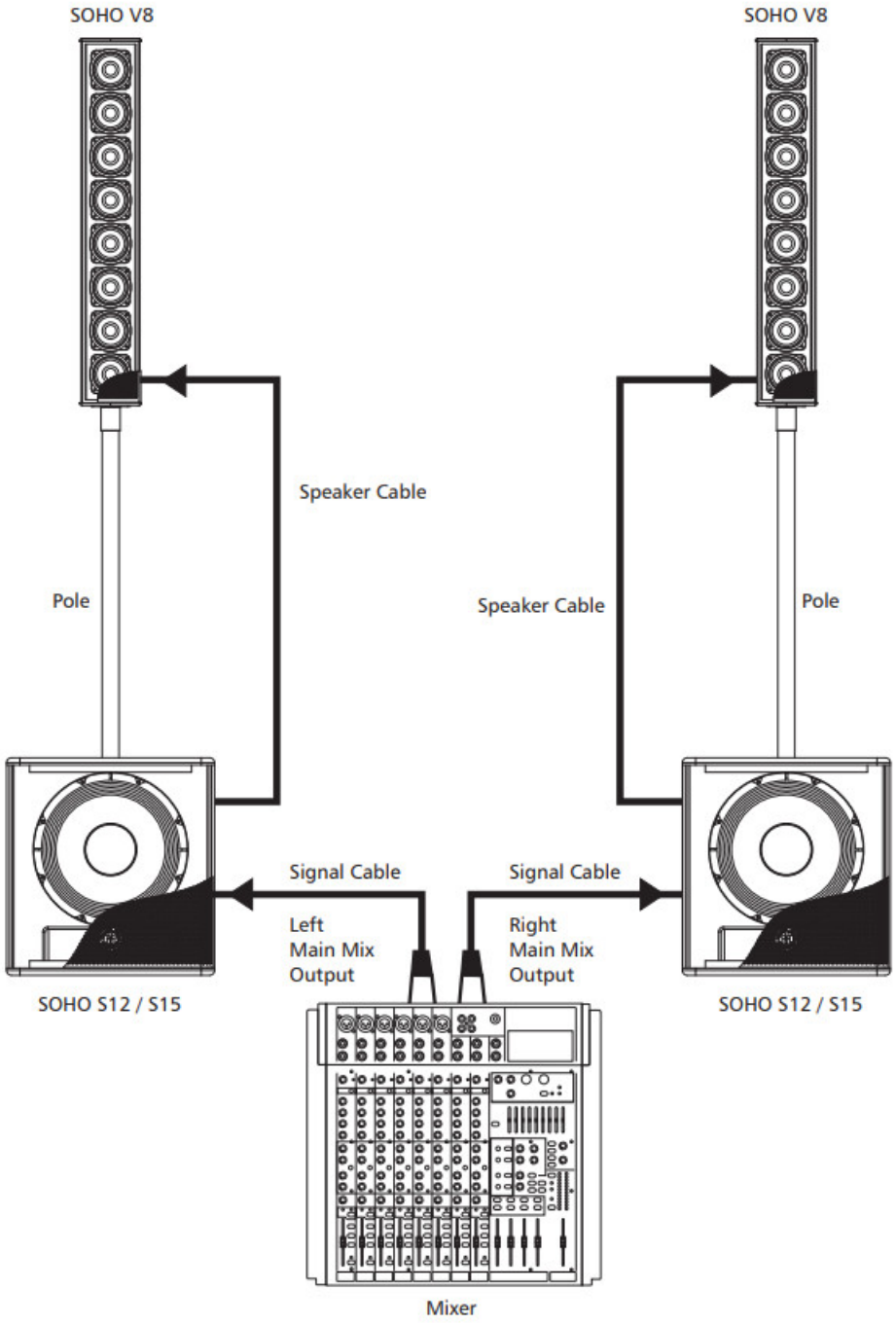
6. THRU OUTPUT ON XLR CONNECTOR
   This is a male XLR-type connector that produces exactly the same signal that is connected to the main input jack or a mix of inputl and input2.
7. GREEN LED, INDICATE ON STATUS.
8. SIGNAL/ LIMIT, RED LED, INDICATE ON STATUS.
9. Input 2 Volume Control
10. LINE / MIC INPUT1 ON COMBO
11. LINE/ MIC SWITCH(CHANNEL INPUT1 ONLY)
12. 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 (11).
13. 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.
14. RCA INPUTS(INPUT2 ONLY).
15. CONVECTION FAN
16. INPUT1 / MIX SWITCH (THRU OUTPUT)
    This switch allows you to choose whether only the inputl signal is sent out to the next loudspeaker(switch out-inputl) or mix of the inputl and input2 signals are sent out to the next loudspeaker(switch in-Mix).
17. SPK connector to satellite: Use pins + **1** positive / -1 neg

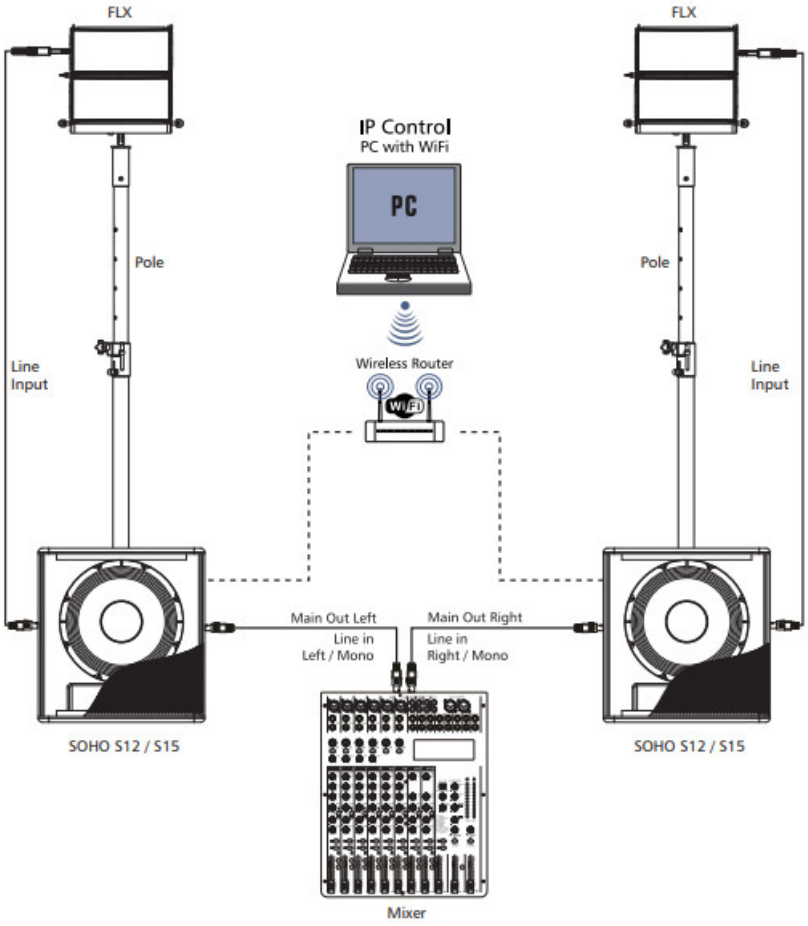
CONNECTION PLATE SYSTEM

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.

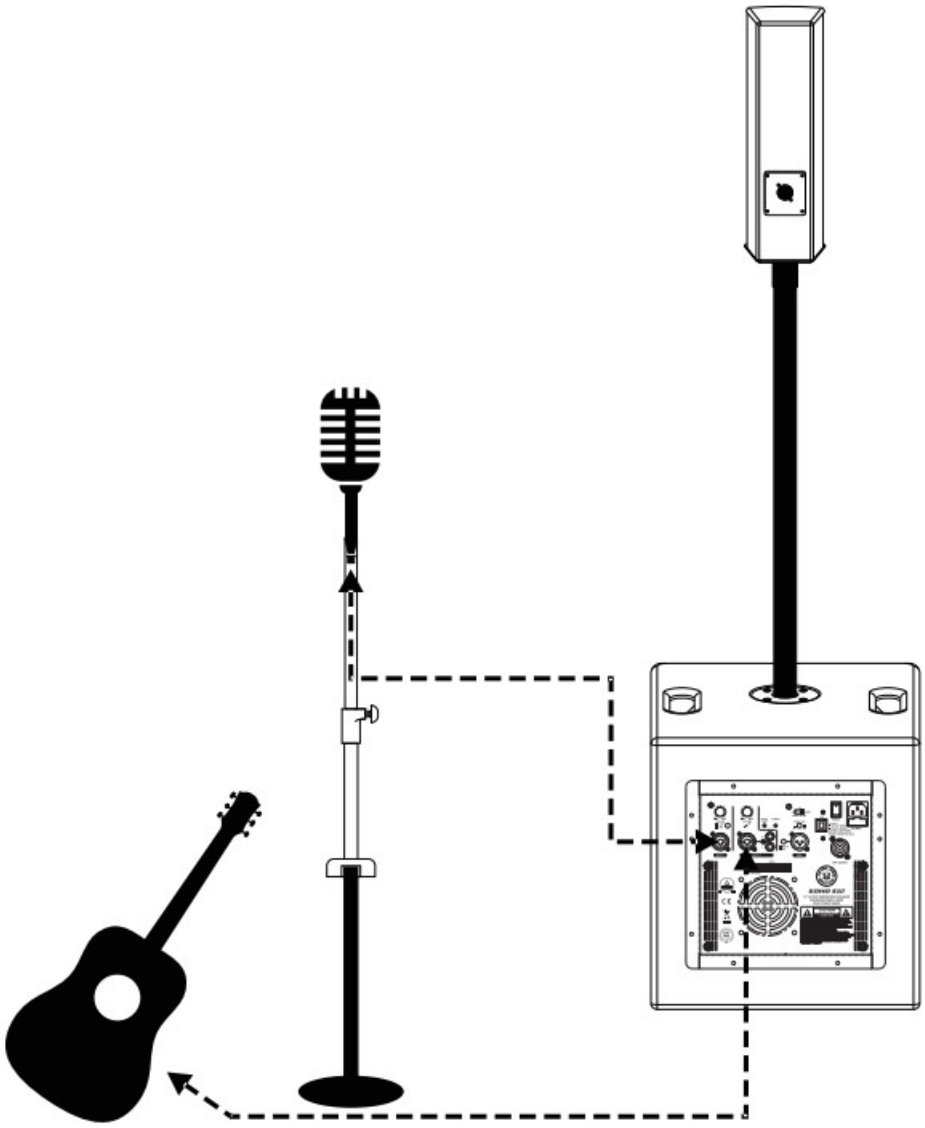

SOHO V4
SOHO V4
Speaker Cable
Pole
Speaker Cable
Pole
Signal Cable
Signal Cable
Left
Main Mix
Output
Right
Main Mix
Output
SOHO S10
SOHO S10
Mixer


SOHO V8
SOHO V8
Speaker Cable
Pole
Speaker Cable
Pole
Signal Cable
Left
Main Mix
Output
Signal Cable
Right
Main Mix
Output
SOHO S12 / S15
SOHO S12 / S15
Mixer



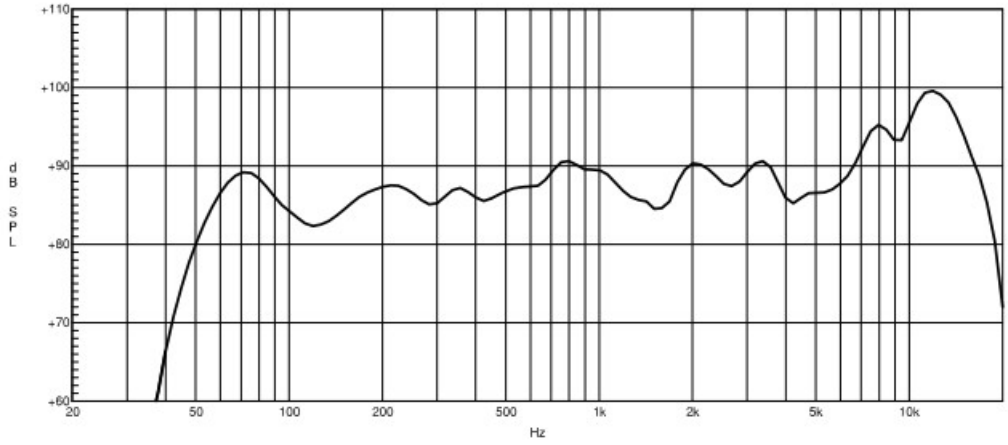
CONNECTION PLATE

SOHO S10 / S12 / S15 loudspeakers are the perfect tool for singer-songwriters touring the local coffee shops.
Bring your favorite axe and MIC, SOHO S10 / S12 / S15 loudspeakers and cables and power cords.
Compact and portable perfection.
In this example, a dynamic microphone is connected to the input1 of a SOHO S10 / S12 / S15 loudspeakers.
Be sure that the MIC / line switch is down in order to get an extra 30dB boost for the MIC.
Be sure the switch is OUT if anything other than a microphone is attached to the input1.
Adjust the level for the MIC now.
Now grab your axe and plug it directly into the input2.
Or if you use effects, connect the guitar to the effects input and anther cable from the effects output to the input2.
Adjust the level for the guitar now.

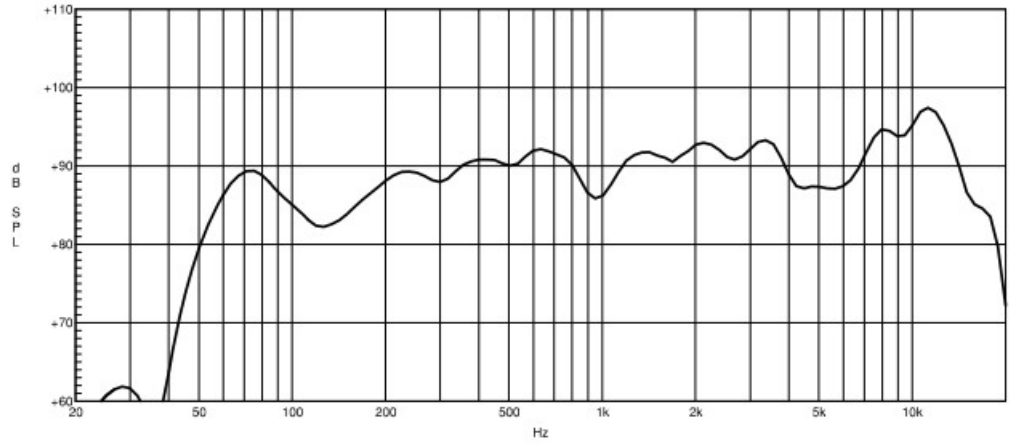


FREQUENCY RESPONSE DIAGRAM

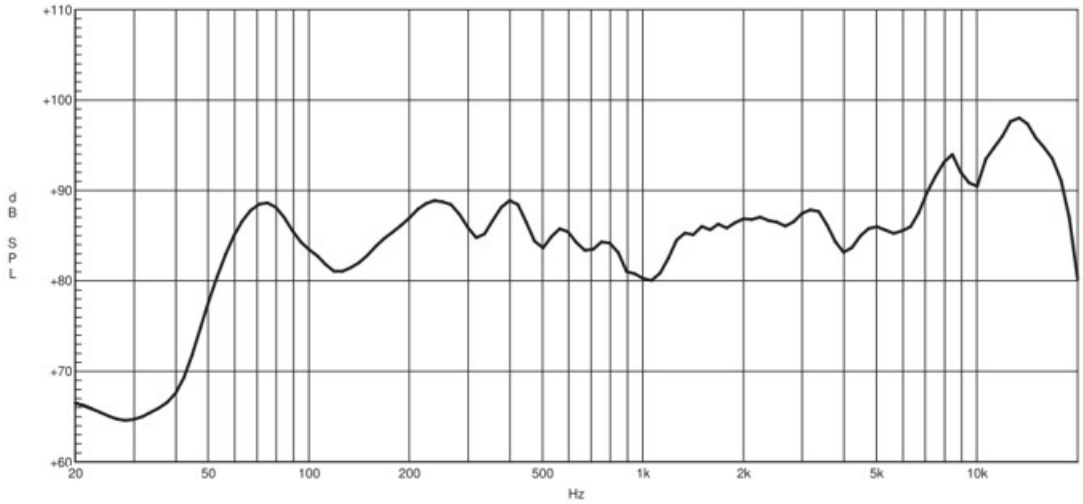
SOHO S12+V4 SYSTEM



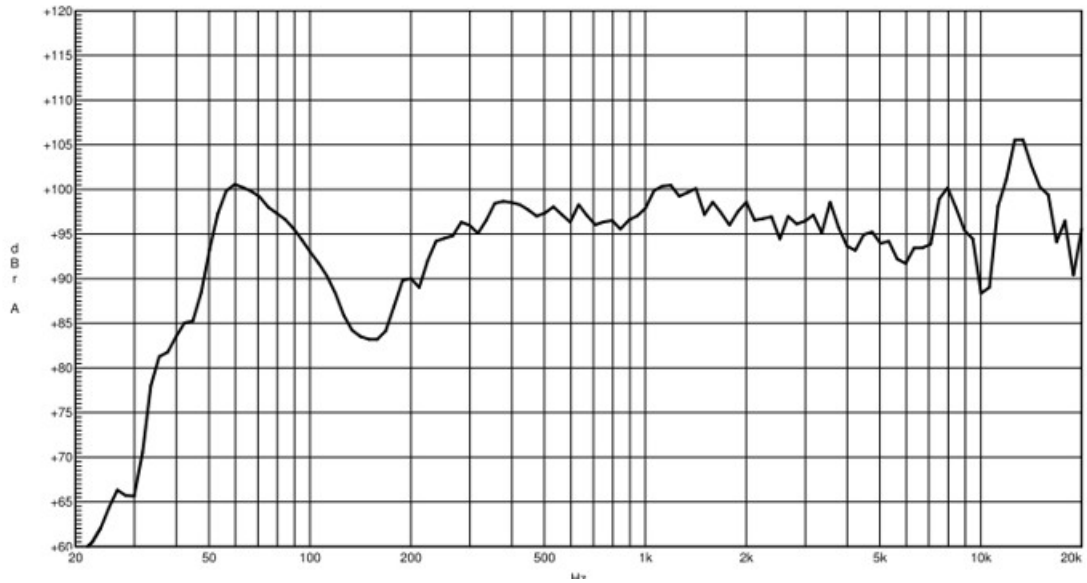
SOHO S12+V8 SYSTEM



SOHO S10+V4 SYSTEM



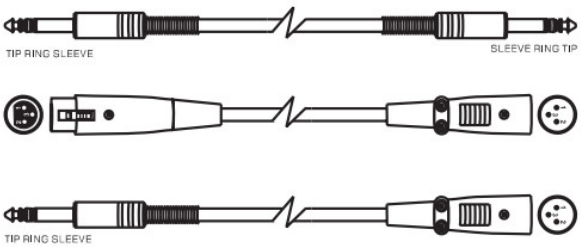
SOHO S15+V8 SYSTEM

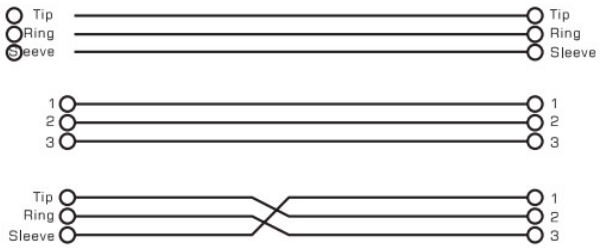


WIRE CONNECTIONS

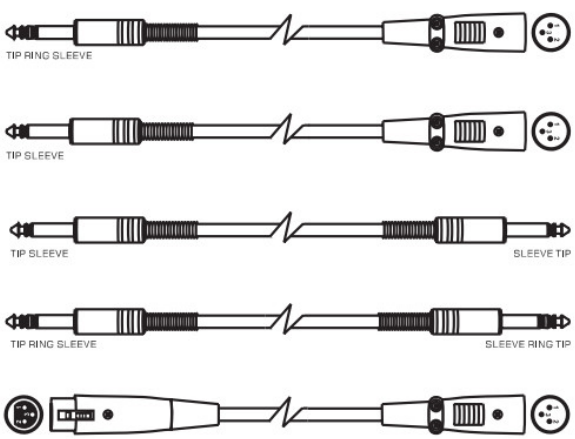
For Active Speaker Cabinets As to these circumstances,audio connections is mostly intended for the signal flow,so,determine the wire configuration according to your real application system and its connecting facility.Normally, you have the following choices:

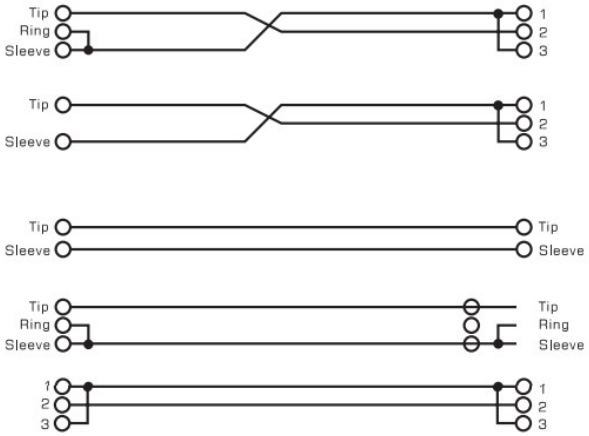
- Balanced





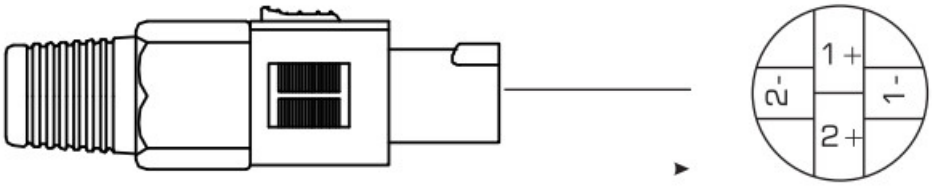
- Unbalanced





For Passive Speaker Cabinets

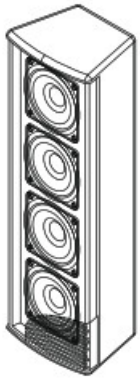
Please only use the power connectors to make connections with other signal source equipment for the passive speaker cabinets. The power connector has four terminals:1 +, 1-, 2+, 2-.



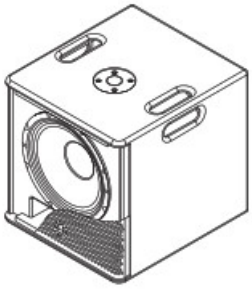
In our cabinets, only 1 +/1- are used to conned the Speaker+/Speaker-, and 2+/2- are not used.

TECHNICAL SPECIFICATIONS

Passive Speaker	SOHO V4
Mid range woofers	4×3.5″, ¢ 104mm-1″ Voice Coin
Nominal power handling capacity	120 W Continuous /240 W Program/480 W Peak
Frequency response- 6 dB	160Hz-20kHz
Axial sensitivity 1W@1m	95 dB/ 122dB Max
Nominal impedance	8 ohms
Input Connector	1 x SPK
Coverage	100° H
Crossover frequency	500Hz, 24 dB/ Oct. Actiive
Enclosure Construction	Body In extruded wood,Black/White paint
Mounting	one metal pole-mount, two M8 hanging-points
Dimensions (WxHxD)	129.7x400x 102.6mm (5.11″x 15.75″x4.04″)
Net Weight	3.71.kg/8.18 lbs.



Subwoofer	1 x 1 O", ¢ 266mm-2.5″ Voice Coin
Frequency response -6 dB	50Hz-500Hz
Total amplifier power	400 W Continuous /800 W Program/1600 W Peak Class-D@4ohms
Amplifier, subwoofer	200 W Continuous /400 W Program/800 W Peak Class-D@4ohms
Amplifier, satellite/ mid! high unit	200 W Continuous /400 W Program/800 W Peak Class-D@4ohms
Axial sensitivity 1W@1m	94dB /126dB Max
Electronic Protections	Thermal DC/ Overload/ Digital Compressor/ Limit
Cooling	SOHO S10
Connections	Convection-Fan
External Controls	Input: 2 Combo – XLR 1/4″, 1 RCA in L&R Output: SPK Satellite/ XLR Link
Power Supply	Volume Control/ Switch for Input sens./ Swtich for mode selector / Power ON with Green LED/ Limiter with Red LED/ Ground Lift/ IP Control
Enclosure Construction	115V / 230V Switchable
Active Subwoofer	Plywood cabinet, resistant black/ white paint, metal grille with foam, rubber feet, handles
Mounting	one metal standard pole-mount
Dimensions (W x H x D)	380 x 400 x 450 mm (14.96″ x 15.75″ x 17.72″)
Net Weight	17.06kg/37.61 lbs



TOPP PRO MUSIC GEAR
www.toppro.com

Documents / Resources

	TOPP PRO SOHO V4 Loudspeaker System [pdf] User Manual SOHO V4, SOHO V8, SOHO S10, SOHO S12, SOHO S15, SOHO V4 Loudspeaker System, SOHO V4, Loudspeaker System, Loudspeaker
	TOPP PRO SOHO V4 Loudspeaker System [pdf] User Manual SOHO V4, SOHO V8, SOHO S10, SOHO S12, SOHO S15, SOHO V4 Loudspeaker System, Loudspeaker System