TOPP PRO MUSIC GEAR

www.topppro.com

XCS
S E R I E S

User´s Manual

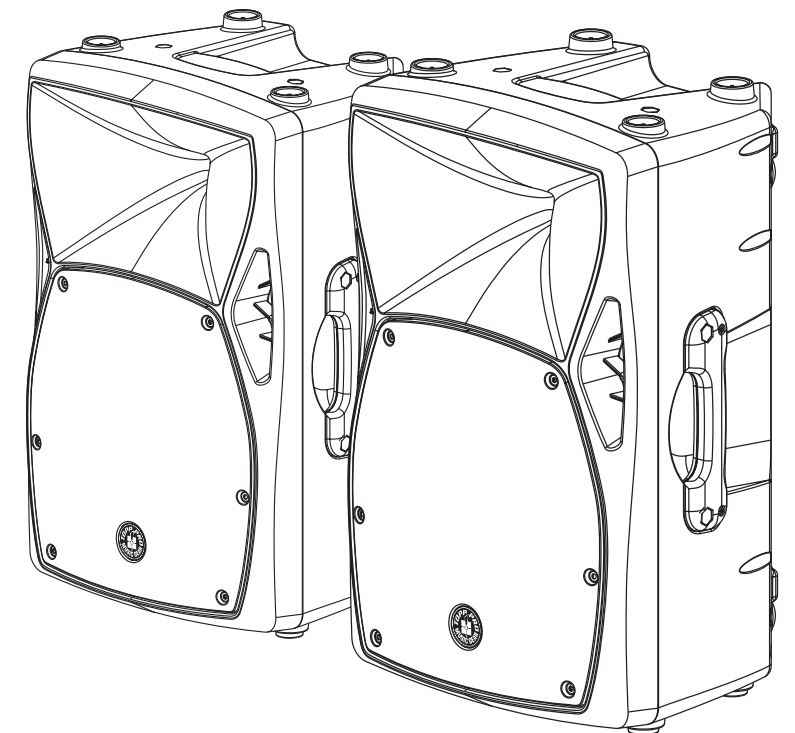*PROFESSIONAL SPEAKER SYSTEM*
XCS 12A | XCS 15A

12"

15"

Speaker Cabinet

ACTIVE SPEAKER

XCS
S E R I E S

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 Manufactu- rer'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 electri- cian. Protect the power cord and plug from any physical stress to avoid risk of electric shock. Do ot 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 instruc- tions 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.

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.

Before replacing the fuse, make sure that the product is OFF and disconnected from the AC outlet.

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.

Notas

Notas

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* XCS 12A, XCS 15A are Active Speakers for professional use , they can be used in following electromagnetic environment: residential, commercial and light industrial, urban outdoors. They are the apparatusNot intended for rack mounting.

* For XCS 12A, XCS 15A, the peak inrush current is 0.9A
*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 . 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, pursuant to 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 in accordance with the instructions, 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 into 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.

Don't forget to visit our website at **www.topppro.com**
for more information about this and other **Topp Pro** products.

1 Introduction

Thank you for choosing **TOPP PRO**. The new **TOPP PRO MUSIC GEAR XCS Series** cabinets have been designed to provide a cost effective high grade solution while maintainig high quality cabinet construction and optimum components.
The **XCS Series**, can be used for all types of applications including, but not limited to, churches, conference centers and discos. The woofer and neodymium driver combination provides excellent performance rivaling those cabinets costing much more.

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.

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:

12 WARRANTY

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 non authorized 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 non greater to 30 days as of the date of entrance of the unit to the Technical Service. In those cases in that due to the particularitiy 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 distributer 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, you can also have other right that varies of state to state.
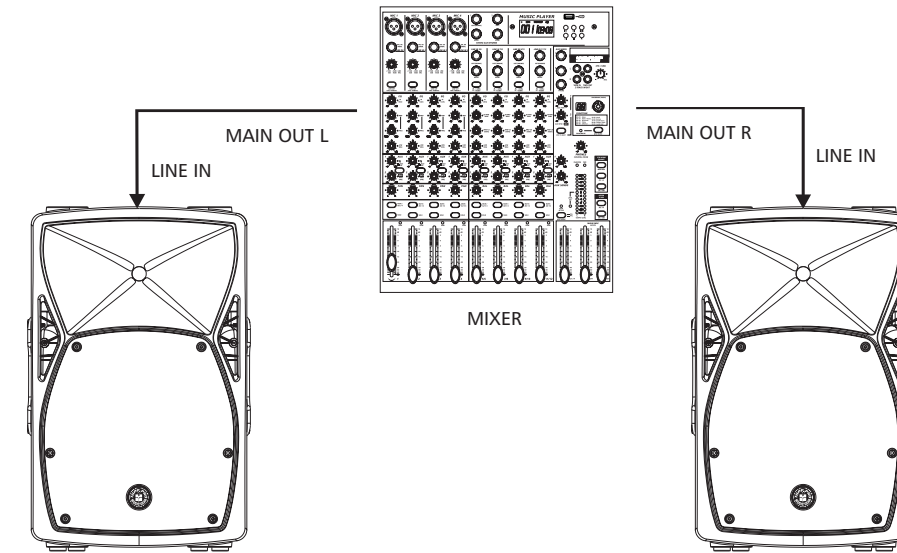
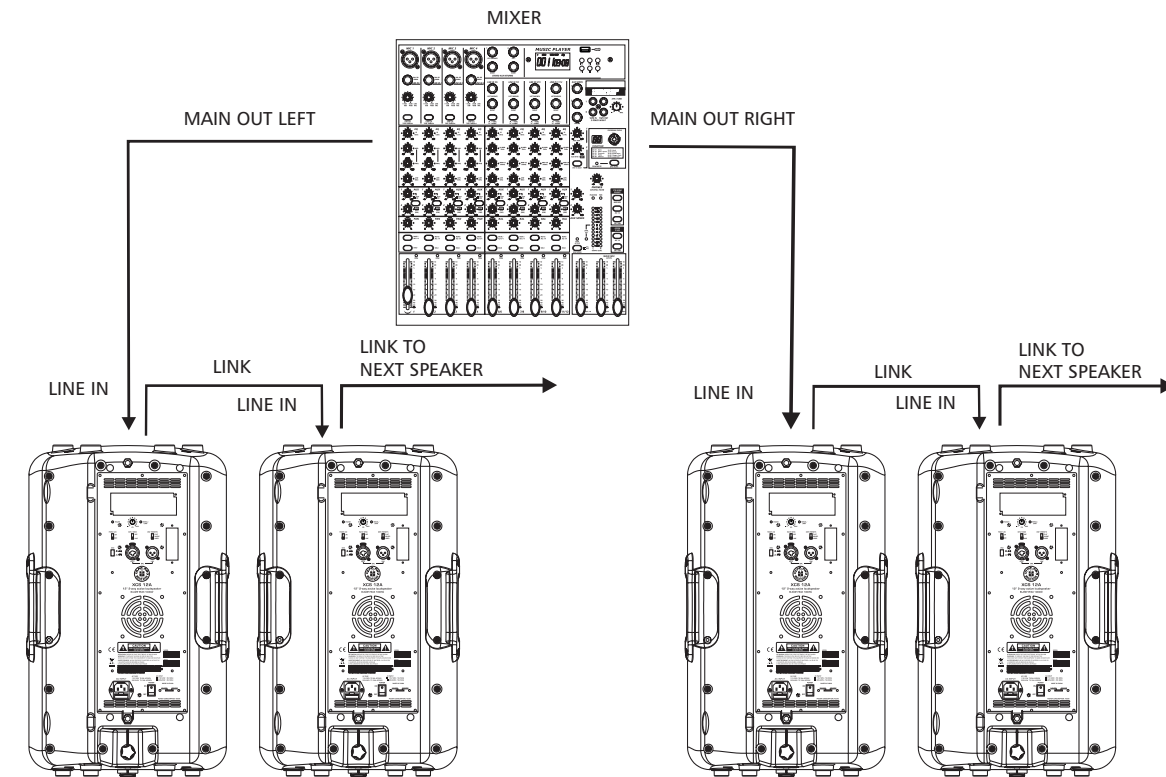## Technical Specifications
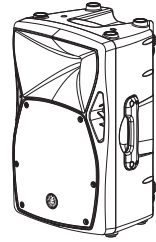
Model Active	XCS 12A
System Type	2-Way Active Vented Speaker /Bi-Amp. With DSP processor
Transducer Low	12" Woofer, 2"voice coil
Transducer Driver	1" Neodymium Driver, 1" Voice Coil
Horn Coverage H°x V°	90°H x 60°V
Frequency Response	50Hz-20KHz (-6dB)
Crossover Frequency	1.6KHz - DSP Processor
Max SPL	125dB Max.
AMP Power Output	400W Continuous(LF-Class D 350W,HF-Class AB 50W), 1600W Peak
Connector	Line/Mic With Combo &Link With XLR
External Controls	Volume Control/Lin & Mic Switch/Preset Switch/Power on with Green LED/ Clip Limiter with Red LED/ Ground Lift.
Digital Presets	FLAT -MUSIC-USER
Electronic Protections	Thermal/Overload/Digital Limiter./Compressor
Power Supply	110-120V～50/60Hz or 220V-240V～50/60Hz Switchable
Enclosure Construction	Plastic cabinet,Trapezoidal & Monitor Shape,Metal Grille, Rubber Feet,3* Handle (Top and sides)
Mounting	36MM standard pole-mount
Dimensions (HxWxD)	607*380*337mm
Net Weight	14.63 (kg)/ 32.25(Ibs)
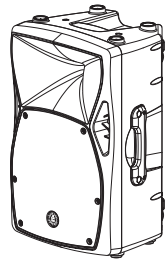
Model Active	XCS 15A
System Type	2-Way Active Vented Speaker /Bi-Amp. With DSP processor
Transducer Low	15" Woofer, 2"voice coil
Transducer Driver	1" Compression Driver, 1" Voice Coil
Horn Coverage H°x V°	90°H x 60°V
Frequency Response	45Hz-20KHz (-6dB)
Crossover Frequency	1.6KHz - DSP Processor
Max SPL	126dB Max.
AMP Power Output	400W Continuous(LF-Class D 350W,HF-Class AB 50W), 1600W Peak
Connector	Line/Mic With Combo &Link With XLR
External Controls	Volume Control/Lin & Mic Switch/Preset Switch/Power on with Green LED/ Clip Limiter with Red LED/ Ground Lift.
Digital Presets	FLAT -MUSIC-USER
Electronic Protections	Thermal/Overload/Digital Limiter./Compressor
Power Supply	110-120V～50/60Hz or 220V-240V～50/60Hz Switchable
Enclosure Construction	Plastic cabinet,Trapezoidal & Monitor Shape,Metal Grille, Rubber Feet,3* Handle (Top and sides)
Mounting	36MM standard pole-mount
Dimensions (HxWxD)	625*386*366mm
Net Weight	14 (kg)/ 30.86(Ibs)

Hookup Diagrams

Two speaker in stereo operation

MAIN OUT L
LINE IN
MAIN OUT R
LINE IN
MIXER

Multiple speakers with the same stereo source

MIXER
MAIN OUT LEFT
MAIN OUT RIGHT
LINE IN
LINK
LINE IN
LINK TO NEXT SPEAKER
LINE IN
LINK
LINE IN
LINK TO NEXT SPEAKER

5

Installation Tips

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1- Speakers should be placed in a position that allows for unobstructed sound projection. In many instances is beneficial for speakers to be elevated on tripod stands to achieve maximum dispersion and reach.

2- Use professional advice or service when hanging and installing speakers. Please take precautions to secure them to prevent them from falling and hurting someone. Care should be taken as to not damage the cabinet or its components. Please comply with all pertinent Regulations.

3- Use quality cables. Using quality cables will ensure the best possible sound.

4- 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 the power requirement for your cabinet.

5- Avoid pointing a microphone directly at an amplified speaker doing so, could cause feedback possibly damaging speaker components and your hearing.

Enjoy the sound!

Wire Connections

Both connectors, 1/4" XLR or TRS, can be wired in balanced or unbalanced way, depending on the work necessity. The following ones are examples of how these connectors can be wired:

TS Type Unbalanced   TRS Type Balanced   TRS Type Unbalanced   XLR Type Unbalanced   XLR Type Balanced
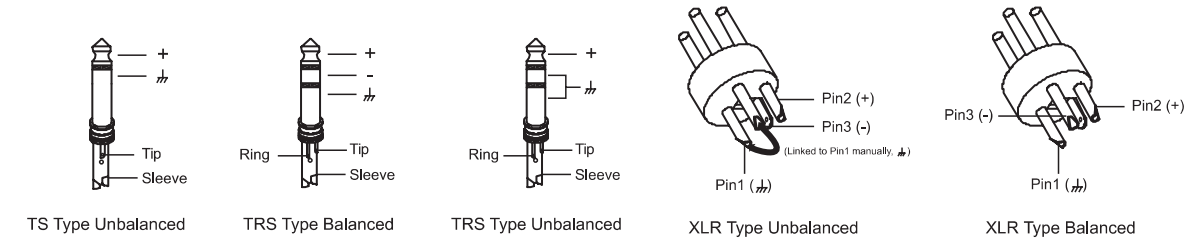
For Active Speaker Cabinets

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:
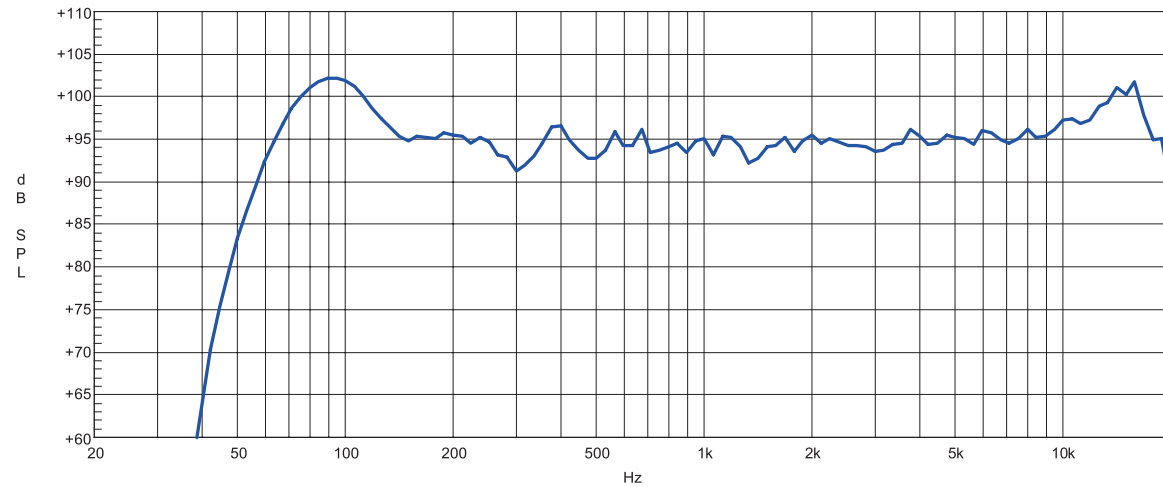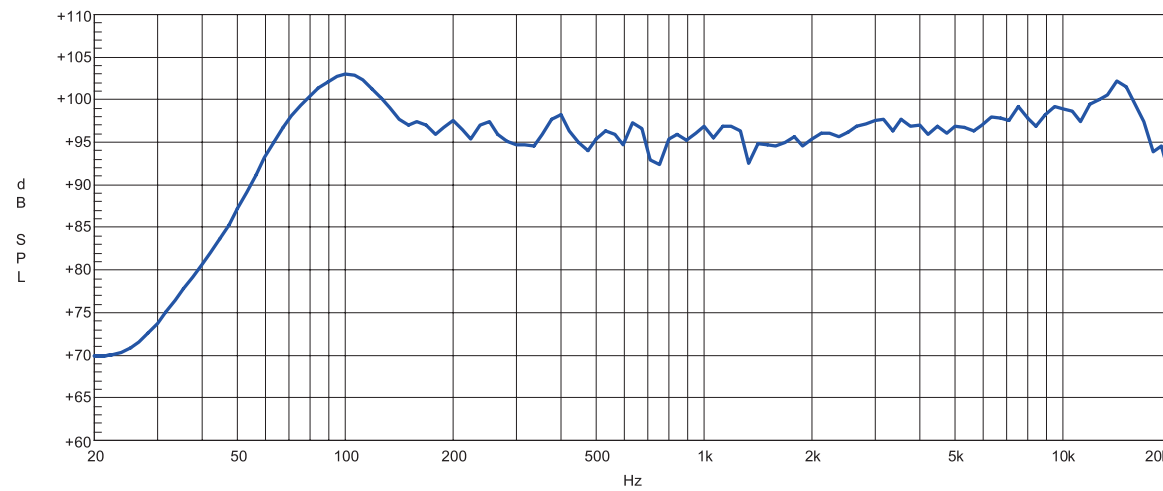
• **Balanced**
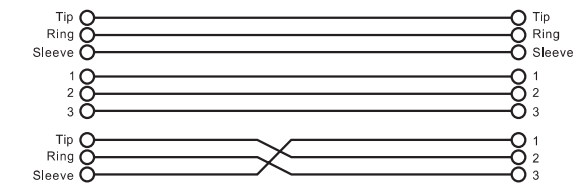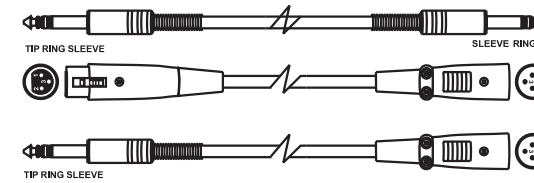
• **Unbalanced**
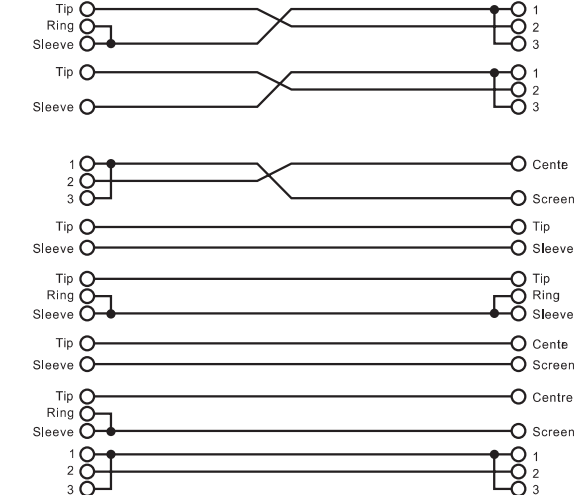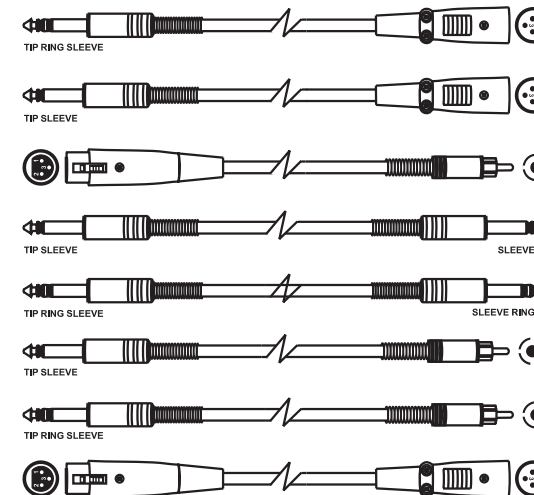
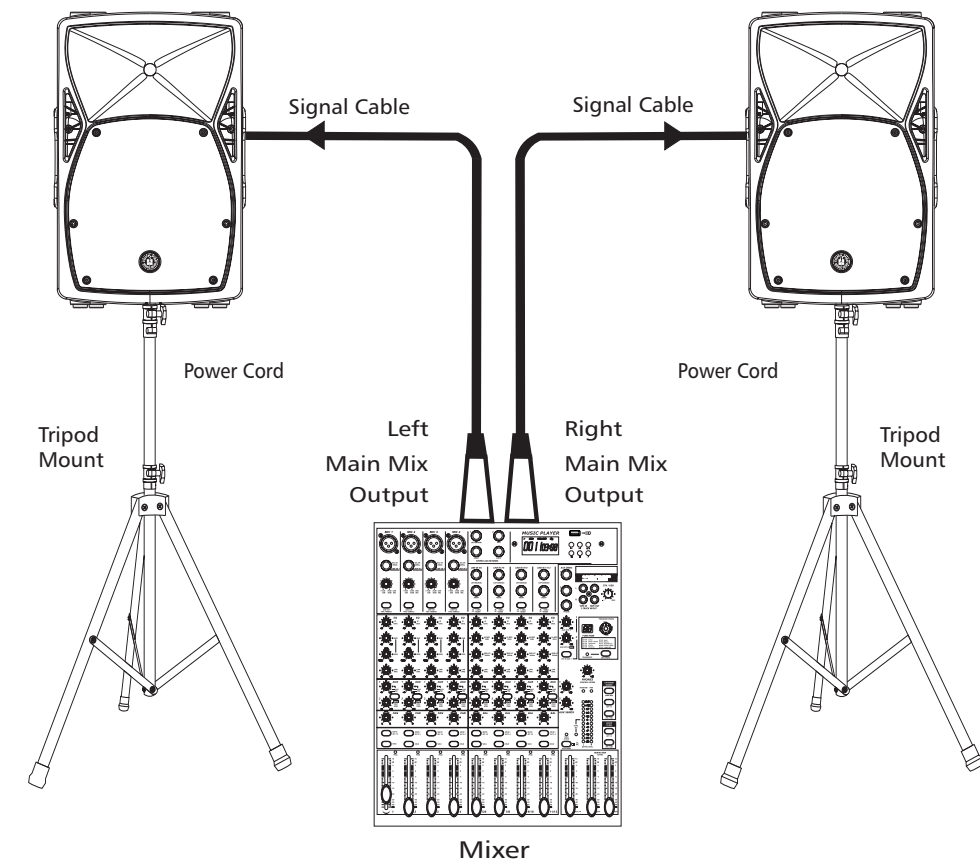**9** **Frequency Response Diagram**

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Quick Start

XCS 12A

XCS 15A

Make all initial connections with all the equipments 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 active speaker cabinets first, then the mixer.

Signal Cable   Signal Cable

Power Cord   Power Cord

Tripod   Left   Right   Tripod
Mount   Main Mix   Main Mix   Mount
           Output   Output

Mixer

7 Rigging

The XCS series speaker cabinet also provides the suspension points for installation.
(M10×1.5PH LENGTH: 30mm).
For further details, please refer to the right illustration**(OPTIONAL FUNCTIONAL)**

Eye bolt

Suspension Point
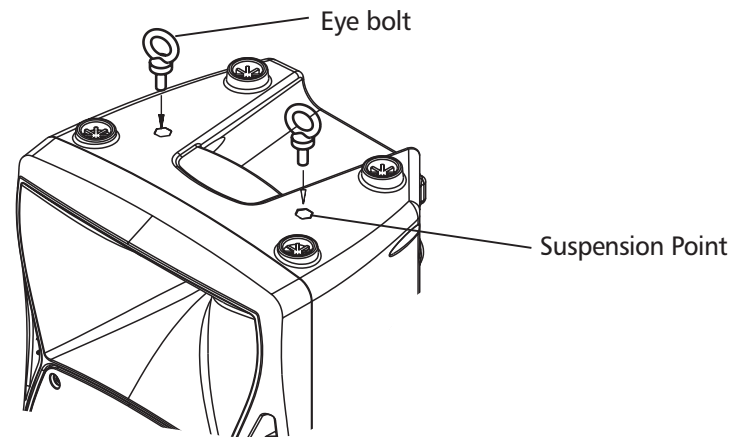
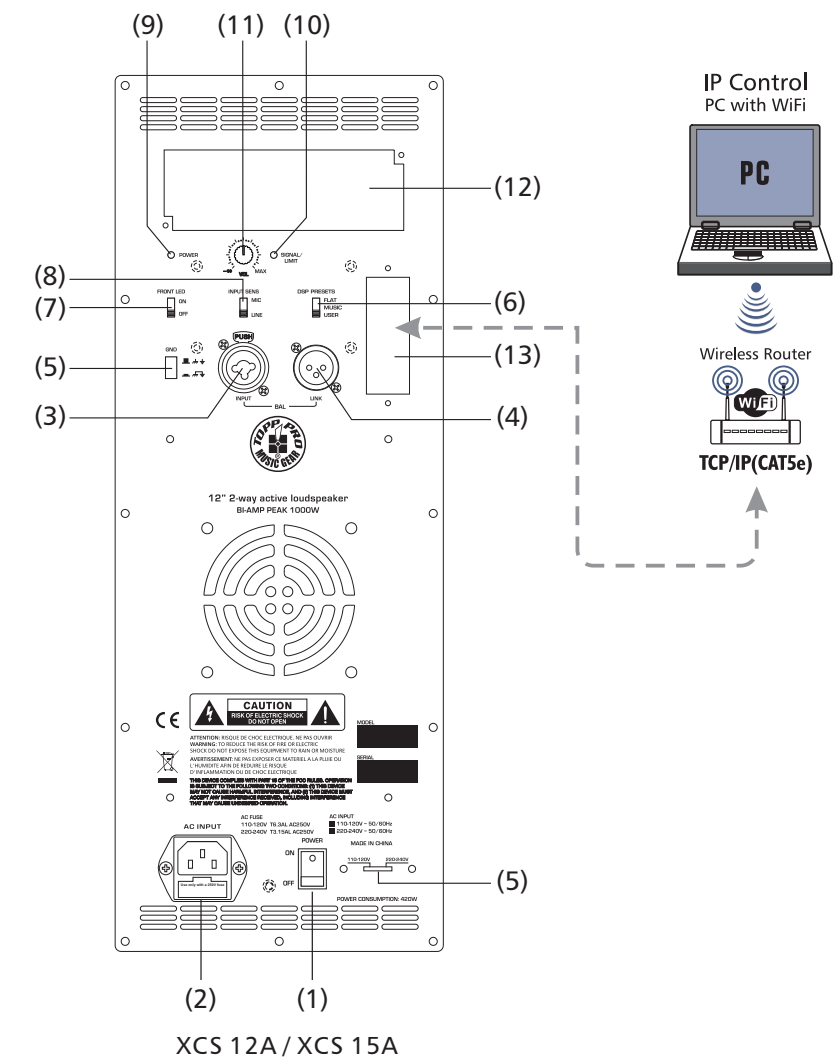The floor use is as a function of a monitor when the angle is 45°

45°
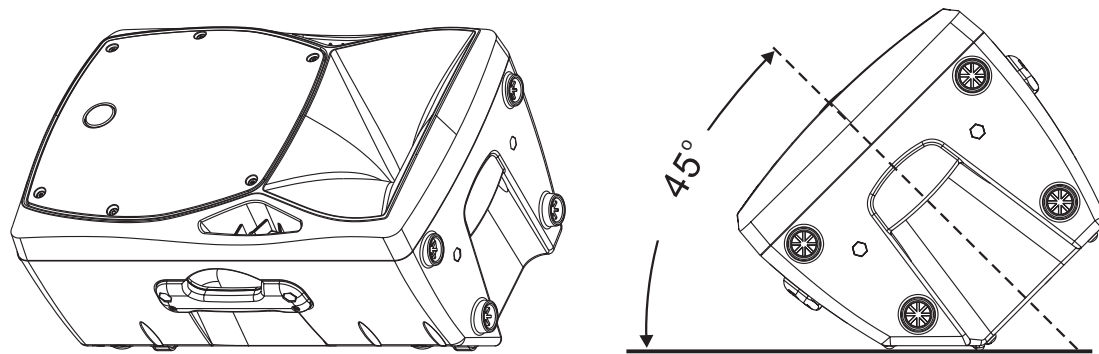
8 Panel Description

AMP INTERFACE

(1) BI-POLAR MAIN POWER SWITCH

(2) AC POWER SOCKET WITH MAIN FUSE

(3) LINE/MIC INPUT ON COMBO CONNECTOR

(4) LINK OUT ON XLR CONNECTOR

(5) GROUND SWITCH

(6) THE XCS12A / XCS15A IS SUPPLIED WITH 3 PRESETS, SELECT YOUR FAVORITE AMONG
FLAT-MUSIC-USER
FLAT preset is suited for live sound reinforcement making sound more enjoyable.
MUSIC preset is to equalize the mix for optimal music playback.
USER preset is to change different EQ to match the voice that the user needs, it can be done
by connecting amplifier module to a PC via the LAN port or the USB port. (The factory preset
of User is the same as normal preset, it can be saved into the product after been modified).

(7) FRONT LED SWITCH

(8) "INPUT SENSITIVITY" SWITCH FOR LINE & MIC

(9) POWER INDICATOR GREEN LED

(10) CLIP INDICATOR RED LED

(11) VOLUME CONTROL

(12) USB PLAYER (OPTIONAL)

(13) IP CONTROL (OPTIONAL)

(9)   (11)   (10)

IP Control
PC with WiFi

PC

(12)

(8)
(7)   (6)

(5)   (13)

(3)   (4)

Wireless Router

WiFi

TCP/IP(CAT5e)

12" 2-way active loudspeaker
BI-AMP PEAK 1000W

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

AC INPUT

POWER
ON

OFF

(5)

(2)   (1)

XCS 12A / XCS 15A