

PROFESSIONAL LOUDSPEAKER SYSTEM

user's manual

W15AL/W18XA

IMPORTANT SAFETY SYMBOLS



The symbol is used to indicate that some hazardous live terminals are involved within this apparatus, even under the normal operating conditions, which may be sufficient to constitute the risk of electric shock or death.



The symbol is used in the service documentation to indicate that specific component shall be replaced only by the component specified in that documentation for safety reasons.



Protective grounding terminal



Alternating current/voltage



Hazardous live terminal

ON: Denotes the apparatus is turned on

OFF: Denotes the apparatus is turned off.

WARNING: Describes precautions that should be observed to prevent the danger of injury or death to the operator.

CAUTION: Describes precautions that should be observed to prevent danger of the apparatus.

IMPORTANT SAFETY INSTRUCTIONS

• **Read these instructions.**

• **Keep these instructions.**

• **Heed all warning.**

• **Follow all instructions.**

• **Water & Moisture**

The apparatus should be protected from moisture and rain, can not used near water, for example: near bathtub, kitchen sink or a swimming pool, etc.

• **Heat**

The apparatus should be located away from the heat source such as radiators, stoves or other appliances that produce heat.

• **Ventilation**

Do not block areas of ventilation opening. Failure to do could result in fire. Always install accordance with the manufacturer's instructions.

• **Object and Liquid Entry**

Objects do not fall into and liquids are not spilled into the inside of the apparatus for safety.

• **Power Cord and Plug**

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety.

If the provided plug does not fit into your outlet, refer to electrician for replacement.

• **Power Supply**

The apparatus should be connected to the power supply only of the type as marked on the apparatus or described in the manual. Failure to do could result in damage to the product and possibly the user.

Unplug this apparatus during lightning storms or when unused for long periods of time.

• **Fuse**

To prevent the risk of fire and damaging the unit, please use only of the recommended fuse type as described in the manual. Before replacing the fuse, make sure the unit turned off and disconnected from the AC outlet.

• **Electrical Connection**

Improper electrical wiring may invalidate the product warranty.

• **Cleaning**

Clean only with a dry cloth. Do not use any solvents such as benzol or alcohol.

• **Servicing**

Do not implement any servicing other than those means described in the manual. Refer all servicing to qualified service personnel only.

• Only use accessories/attachments or parts recommended by the manufacturer.

• **Warning**

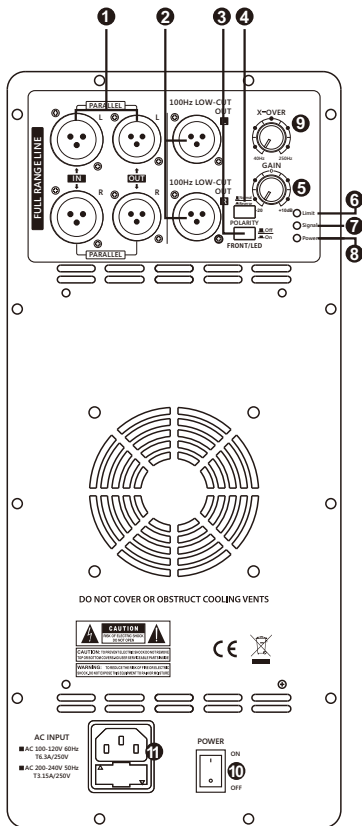
Please remember the high sound pressure do not only temporarily damage your sense of hearing, but can also cause permanent damage. Be careful to select a suitable volume.

1 Features

The Sub woofer speakers are designed for professional stage, using high strength and density board, for cabinet, two metal handle, enjoying strong subwoofer. Attractive appearance with black paint finishing, containing precise crossover frequency for good performance, four rubber corners in bottom bracket and sides to protect the unit. User can select different location for own need, Sub woofer speakers includes precise electronic crossover, with high power woofer used with CLASS D amplifier, especially applied to conference and club.

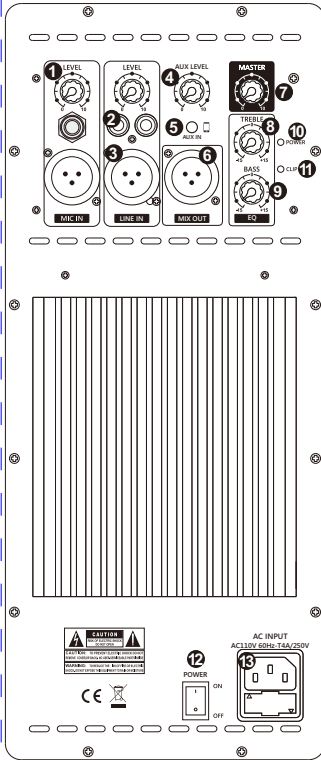
2 Control Element

W118XA





W115AL



1. MIC INPUT

Plug a mic directly into this port for public address usage and let your voice be heard. (No phantom power)

2. RCA INPUT

Connect a CD player, digital media player, mixer, or other media source to these inputs. Control the output volume using the Line Input volume knob.

3. LINE INPUT(XLR)

Connect a line-level mixer or musical instrument to this XLR line-level input. Control the output volume using the Line Input volume knob. Use this line-level input when linking together two peaker units.

4. AUX VOLUME CONTROL

This knob is used to control volume of the AUX IN.

5. AUX INPUT

For 3.5" input or other mobile devices signal input.

6. MIX OUT

Connect this XLR output to another active (powered) speaker. The level of the output is controlled by each channel's volume setting (Mic Input volume, Line Input volume, and Media Panel volume)

7. MASTER VOLUME CONTROL

This control enables you to adjust the total volume level.

8. TREBLE CONTROL

This knob is used to regulate the amount treble applide to the output signal.

9. BASS CONTROL

This knob is used to regulate the amount bass applied to the output signal.

10. Power LED

Indicates whether speaker is powered on or off.

11. CLIP LED

CLIP LED: This LED will flash red if the signal from inputs or Media Panel source is clipping. If this happens decrease the setting of the Mic Input volume knob, Line Level volume knob, or Media Panel volume knob.

12. POWER SWITCH

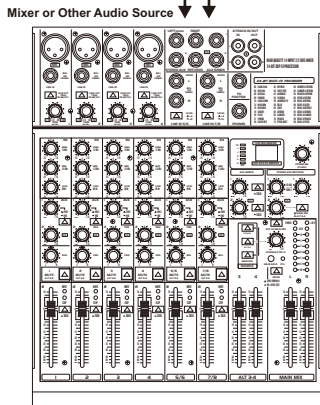
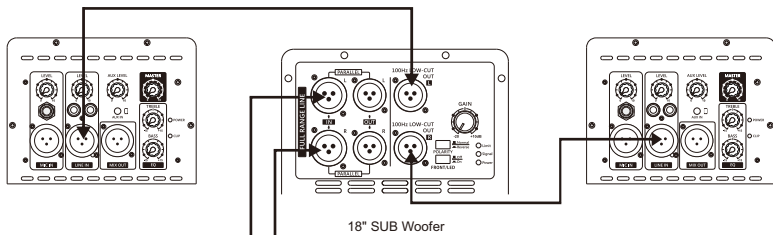
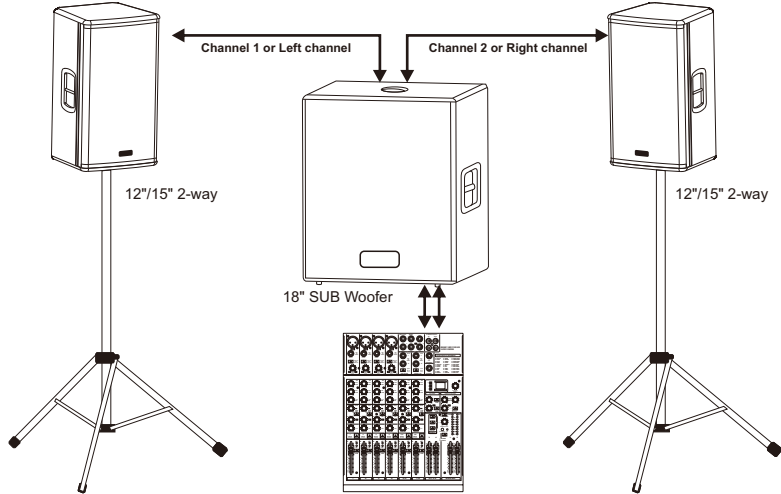
This power switch turns on the system. Remember to adjust the volume level to the lowest setting before turn on the power switch.

13. AC INPUT CONNECTOR

Connect the included power cord to the AC input connector before push on the power switch.

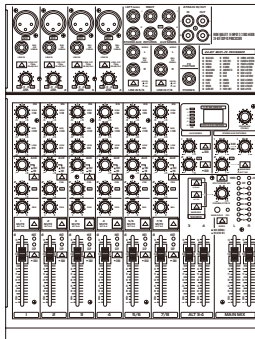
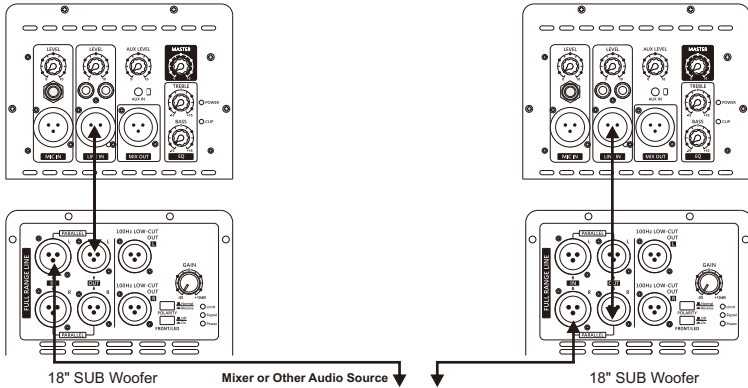
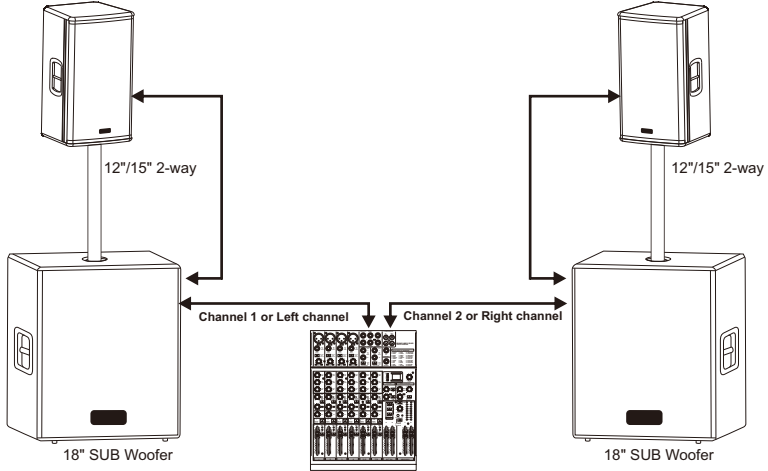
Application Examples #1

This example shows a two-channel (stereo) setup utilizing one subwoofer and two top-boxes. Audio signals for the left and right channels are supplied by the mixer console. This signal source can be just about any variable-output level audio source, such as DJ mixers, professional CD players, or computer-based audio signal sources. Audio output from the mixer is connected to the subwoofer left (L) and right (R) channels. The subwoofer's R and L FULL RANGE LINE OUT connectors are used to connect to its respective top-box. Turn ON each top-box's 100 Hz LOW-CUT FILTER. Alternately, the top-boxes could be connected to the subwoofer's 100 Hz LOW-CUT OUT and the top-boxes 100 Hz LOW-CUT OUT FILTER turned off. The only possible issue with this method of connection is unexpected noises (turn-off thumps) if the subwoofer is powered up or down while the top boxes are on. If connected as shown, power sequencing is not an issue.

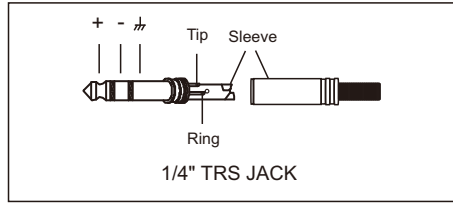
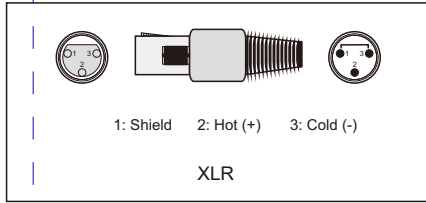


Application Examples #2

This example shows a two-channel (stereo) setup utilizing two subwoofers and two top-boxes. Audio signals for the left and right channels are supplied by the mixer console. This signal source can be just about any variable-output level audio source, such as DJ mixers, professional CD players, or computer-based audio signal sources. Audio output from the mixer is connected to the subwoofer input of each channel. Each subwoofer's FULL RANGE LINE OUT connector is used to connect to its respective top-box. Turn ON the top-box's 100 Hz LOW-CUT FILTER. Alternately, the top-boxes could be connected to the subwoofer's 100 Hz LOW-CUT OUT and the top-boxes 100 Hz LOW-CUT OUT FILTER turned off. The only possible issue with this method of connection is unexpected noises (turn-off thumps) if the subwoofer is powered down before the top-boxes. If connected as shown, power sequencing is not an issue.



3. WIRING



4. TECHNICAL SPECIFICATIONS

Specifications	W15AL
Type	Two Way
Frequency Range	45Hz-20KHz
Sensitivity(1m/1w)	95dB
Impedance	4ohm
Woofers	15" 65mm 60OZ
Driver	1.0" Exit-1.0" Compression Drive
SPL	123dB
EQ	Treble, Bass
Amp Type	Class H
Amp Power	200W RMS
Peak Power	400W
THD	<=0.1%
Protections	Over Temp; Over Load; DC Protect;
Crossover	2.3KHz
Dimensions (H×W×D)	525×525×760mm
Net Weight	27kg

Specifications	W18XA
Frequency Range (-3dB)	45Hz-150Hz
Frequency Range (-10dB)	40Hz-200Hz
Maximum Peak SPL	125dB
Transducer Description LF	18" 75mm 80OZ
AMP Power	500W RMS
Input Sensitivity	-3dBV
X-over	40Hz-250Hz
Input Headroom/Clipping	+2dBV
Input Connectors/Impedance	XLR 22K Bal, 11K Unbal
Output Connectors	XLR
Protection, Agency certs.	Gain control, Limit/Clip(red led), Signal Presence(green led), AC Power(blue led), AC Power switch Thermal limiting, On/off muting, DC protection, Short circuit protection, RF protection, Fn cooling
AC Power Connector and Cordset	AC 100-120V 60Hz/AC 200-240V 50Hz
Dimensions (H×W×D)	615×570×675 mm
Net Weight	38 kg