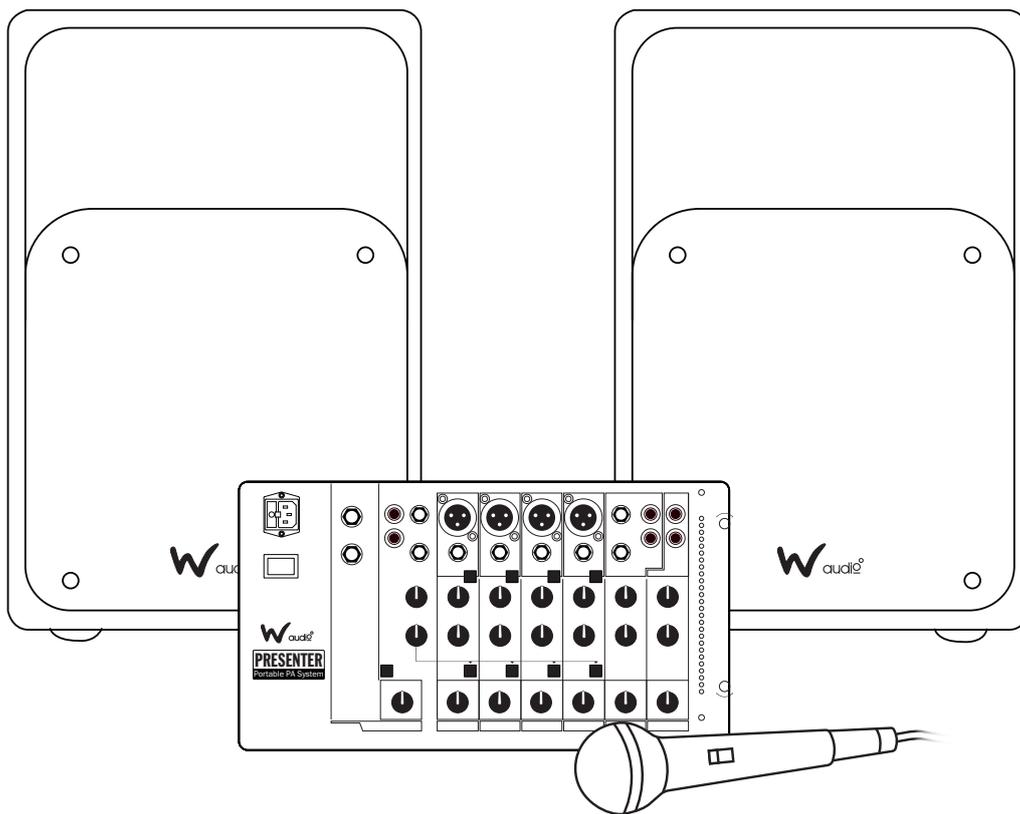




# Presenter Portable PA System

## User Manual



Order code: SPEA64

## WARNING

### FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE YOUR INITIAL START-UP!

- Immediately upon receiving this product, carefully unpack the carton and check the contents to ensure that all the parts are present.
- Before initial start-up, please make sure that there is no damage caused during transportation.
- Should there be any damage, consult your dealer and do not use the equipment.
- Retain the carton and all packaging materials.
- In the event that the equipment must be returned to the supplier, it is important that the equipment is returned in the original carton and packaging.
- To maintain the equipment in good working condition and to ensure safe operation, it is necessary for the user to follow the safety instructions and warning notes written in this manual.
- Please note that damages caused by user modifications to this equipment are not subject to warranty.



## IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorised modification to the equipment.

- Never let the power cable come into contact with other cables. Handle the power cable and all mains voltage connections with caution!
- Never remove warning or informative labels from the equipment.
- Do not open or modify the equipment.
- Do not connect this equipment to a dimmer-pack.
- Do not switch the equipment on and off in short intervals, as this will reduce the system's life.
- Only use the equipment indoors.
- Do not expose to flammable sources, liquids or gases.
- Always disconnect the power from the mains when equipment is not in use or before cleaning! Only handle the power cable by the plug. Never pull out the plug by pulling the power cable.
- Make sure that the available voltage is between 110-240V 50/60Hz.
- Make sure that the power cable is never crimped or damaged. Check the equipment and the power cable periodically.
- If the equipment is dropped or damaged, disconnect the mains power supply immediately. Have a qualified engineer inspect the equipment before operating again.
- If the equipment has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation might damage the equipment. Leave the equipment switched off until it has reached room temperature.
- If the product fails to function correctly, discontinue use immediately. Pack securely (preferably in the original packing material), and return to your dealer for service.
- Only use fuses of same type and rating.
- Repairs, servicing and power connection must only be carried out by a qualified technician. THIS UNIT CONTAINS NO USER SERVICEABLE PARTS.
- WARRANTY: One year from date of purchase.

## OPERATING DETERMINATIONS

If this equipment is operated in any other way, than those described in this manual, the product may suffer damage and the warranty becomes void. Incorrect operation may lead to danger e.g: short-circuit, burns and electric shocks etc.

In case of malfunction this system should be returned for service or inspection.

Do not endanger your own safety and the safety of others!

Incorrect installation or use can cause serious damage to people and/or property.

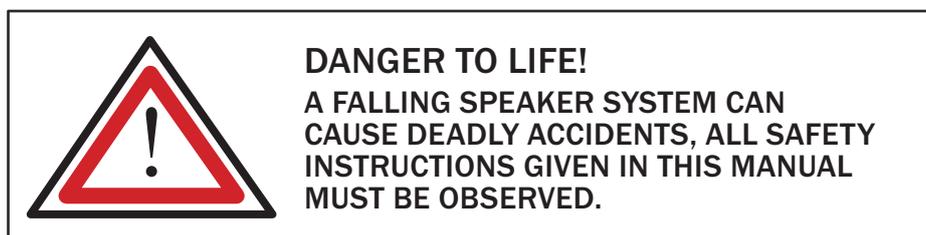
## Safe installation

Make sure that the area below the installation place is blocked when rigging, derigging or servicing the system. **Please note:** W Audio cannot be made liable for damages caused by incorrect installations and excessive noise levels.

## Unpacking and transportation:

Unpack the units and examine them for transport damage.

When boxed in the original packaging the speaker system should be carried by two persons of the same size. Carrying the speaker system with one person alone should be avoided as the heavy weight and strain could lead to back injury. Please note that all speaker systems weighing more than 25kg must be transported by two persons.



Please note that speaker systems can move due to bass beats and vibrations. Furthermore, unintended pushing on the speakers present a further risk. The speaker system must always be secured against moving or the respective area has to be blocked.

The given maximum power of the speaker system describes short term peaks the system can handle as a maximum. The corresponding RMS power is - as of all comparable systems (also from other manufactures) - significantly lower. The maximum power of the speaker system must never be exceeded. When operating the speaker system, please make sure that the system always sounds clear. When distortion can be heard, either the amplifier or the loud speaker is being overdriven. Overloads can quickly lead to amplifier or speaker damage. In order to avoid damage, please reduce the volume immediately when distortion can be heard. When speaker systems are damaged by overdriving, the guarantee becomes void.

- The ambient temperature must always be between  $-5^{\circ}\text{C}$  and  $+45^{\circ}\text{C}$ .  
Keep away from direct sunlight (particularly in cars) and from heaters.
- The relative humidity must not exceed 50% with an ambient temperature of  $+45^{\circ}\text{C}$ .
- This speaker system must only be installed at a solid, horizontal, anti-slip, vibration and oscillation free fire resistant location.
- Please note: When using this speaker system in public or industrial areas, a series of safety instructions have to be followed that this manual can only give in part. The operator must therefore inform himself on the current safety regulations.
- Before installing the system, make sure that the installation area can hold a minimum point load of 5 times the systems weight (e.g. weight 20kg - point load 100kg).
- The speaker system must never be installed higher than 100cm with out a secondary attachment.
- For over head installations (mounting height  $>100\text{cm}$ ), always fix the speaker system with an appropriate safety cable.
- The installation area of the speaker system has to be built and constructed in a way that it can hold 10 times the weight of the speaker for 1 hour without any deformation.
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**DANGER TO LIFE - DUE TO FALLING SPEAKERS SYSTEMS!**  
**THE SUBWOOFER MUST NEVER BE SUSPENDED.**  
**THE MID/HIGH SPEAKER MUST ONLY BE SUSPENDED BY EXPERIENCED AND TRAINED PERSONS.**

These speakers can be mounted on a speaker stand using the supplied adaptors. The carrying capacity of the extension pole and the speaker stand must never be exceeded.

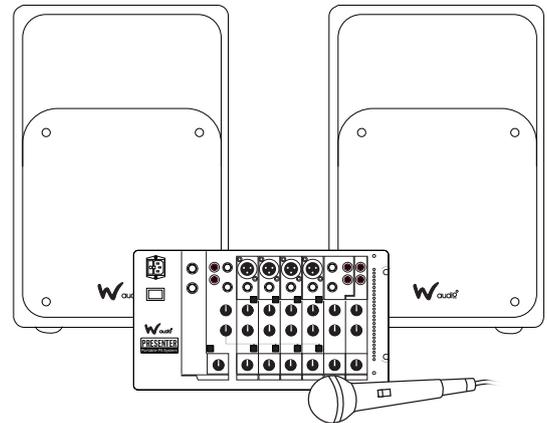
## Presenter Portable PA System

The Presenter PA system offers power and portability from a compact, lightweight system. Delivering high-quality sound ideal for smaller performance spaces, yet small and light enough to move from gig to gig with ease. Combining a built-in mixer amplifier and two ABS loudspeakers, the Presenter PA is easy to use the system can be set up in a matter of minutes! The Presenter PA System utilises clever storage in the rear of each cabinet, one houses the removable mixer amplifier while the second compartment houses the microphone and cables.

- Supplied with microphone and microphone cable, 2 x speaker cables, 2 x 35mm stand adaptors and 1 x microphone stand adaptor.

### Loudspeakers:

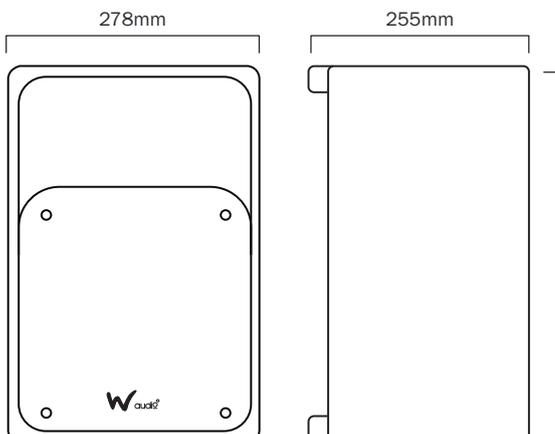
- Two way design
- Lightweight ABS cabinets
- Rear mounted carry handle



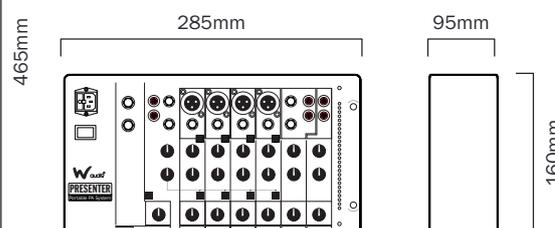
Specifications	Loudspeakers (each)	Powered mixer
Continuous power	80Wrms	120Wrms @ 4Ω
Peak power	160W	240W (<0.1% THD)
Max. calculated SPL	112dB	-
Frequency response	55Hz - 20kHz	-
LF transducer	1 x 8" cone with 1.2" voice coil	-
HF transducer	1 x 1" compression driver	-
Nominal impedance	8Ω	-
Connections	6.35mm (¼") input	2 x 6.35mm (¼") speaker L/R outputs 2 x unbalanced stereo audio L/R record outputs 2 x 6.35mm (¼") L/R monitor output 4 x XLR/6.35mm (¼") line/mic inputs 2 x 6.35mm (¼")/RCA-phono L/R stereo line inputs 2 x RCA-phono L/R stereo line inputs
Dimensions (H x W x D)	465 x 278 x 255mm	160 x 285 x 95mm
Weight	7.76kg	2.25kg
Presenter Portable PA System - order code: SPEA64		

In the box: **2 x speakers, 1 x mixer amplifier, 2 x speaker cables, 1 x microphone with microphone cable, 3 x stand adaptors, 1 x power cable & 1 x user manual**

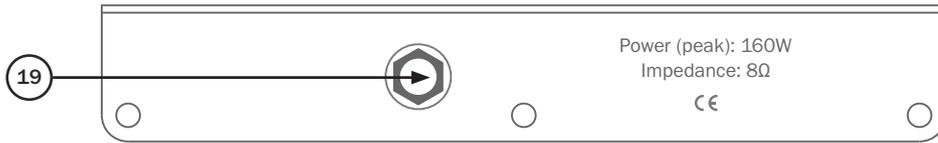
### Speaker dimensions



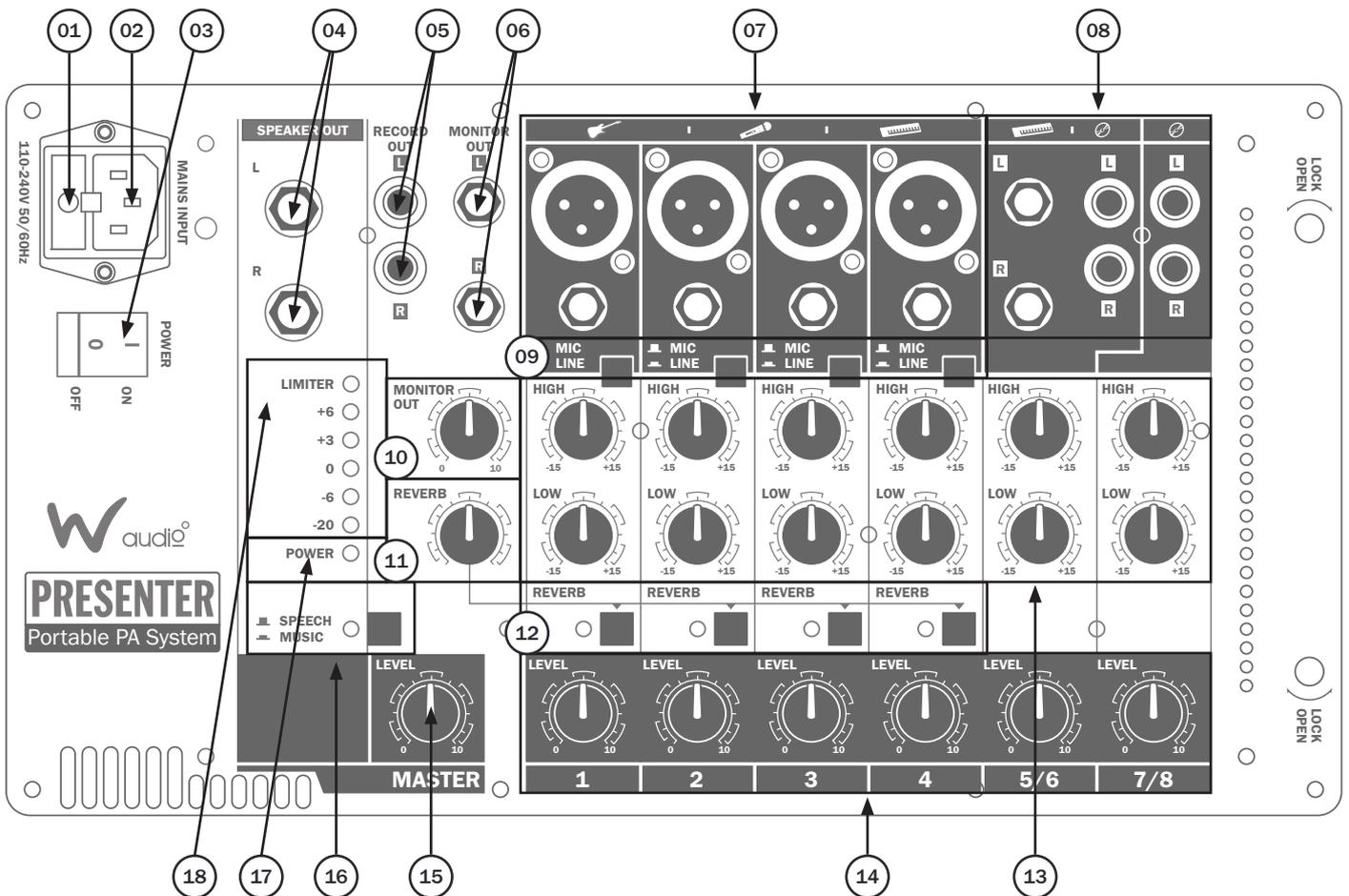
### Mixer dimensions



## Speakers:



## Mixer:



- 1 **Mains fuse:** Should the unit fail to power on remove the mains cord and check the fuse. Replace only with 20mm T2.5A 250V type.
- 2 **IEC mains inlet:** Connect the system to the mains using the supplied 13A BS1363 IEC power cord. Care should be taken to ensure the mains outlet voltage is 110-240V 50/60Hz.
- 3 **On/Off switch:** Mains power on/off for the system. Connections for signal input and speaker outputs must be made before powering on the system.
- 4 **Speaker outputs (for included speakers only):** These L/R jacks output the mixed signal channels from 1 to 7/8, with the level being adjusted with the “Master” level control. Make sure the power is turned off before connecting the included speakers. To avoid any possible malfunction, use only the supplied speakers and speaker cables. The minimum total speaker impedance is 4Ω.
- 5 **Record out:** Line level, unbalanced stereo audio output suitable for connection to an external recording device. The RECORD OUT contains the mixed signals from channels 1 to 7/8, and the level is unaffected by the MASTER LEVEL control.
- 6 **Monitor out:** These output the mixed signal channels from 1 to 7/8, and the level is adjusted with the MONITOR OUT control. These jacks are convenient for connecting an external powered speaker for monitoring purposes.
- 7 **Mono channel inputs:** For connecting a guitar, microphone, keyboard or other instrument/device. For low-level signals (such as that of microphones), set the MIC/LINE switch to the MIC (show switch) position. For high-level signals (such as keyboard instruments and audio equipment), set the MIC/LINE switch to the LINE (show switch) position. NOTE: On any given channel, you may use either XLR or phone jack, but not both. Please connect to only one of these jacks on each channel.
- 8 **Stereo channel inputs:** Input the left and right channels of a stereo signal into the respective odd and even channels of the mixer. These inputs are intended mainly for use with instruments and equipment having stereo outputs, such as a synthesizer or CD player. NOTE: The channel 5/6 input provides two sets of jacks—both phone jacks and RCA-pin jacks. Either one of these jacks may be used, but not both at the same time. Please connect to only one of these jacks on each channel.
- 9 **MIC/LINE switch:** Set this switch to MIC or LINE for channels 1 to 4, depending on the level of the input signal. For low-level signals (such as that of microphones), set the switch to the MIC (show switch) position. For high-level signals (such as keyboard instruments and audio equipment), set the switch to the LINE (show switch) position.
- 10 **MONITOR out control:** Determines the signal level output from the MONITOR OUT jack. NOTE: The MASTER LEVEL Control does not affect the signal via the MONITOR OUT Control.
- 11 **REVERB control:** Determines the overall level of the reverb or echo that is applied to the output signal. For best results, this level should not be set very high, to avoid possible feedback and to prevent the sound from becoming “muddy” with too much reverb.
- 12 **REVERB switch:** Set this switch to ON to recreate the rich ambience of various performance environments, such as a concert hall or a night club. The LED adjacent to the switch lights up in green when REVERB is ON (show switch & LED).
- 13 **Equaliser control:** HIGH Determines the level of the high frequency band for each channel. Rotating the knob clockwise boosts the high frequencies and produces a clearer, crisper sound. If you start getting feedback (a high-pitched squealing sound) or you want to make the sound softer and less harsh, turn the knob counter clockwise slightly. LOW Determines the level of the low frequency band for each channel. Rotating the knob clockwise boosts the low frequencies and produces a deeper, warmer sound. If you start getting feedback or you want to make the sound less boomy, turn the knob counter clockwise slightly.
- 14 **LEVEL control:** Use these controls to adjust the volume balance among the various channels. To reduce noise, set any LEVEL controls on unused channels to the minimum.
- 15 **MASTER LEVEL control:** Determines the volume of the signal output from the SPEAKER OUTPUT L/R jacks. This allows you to adjust the overall volume without changing the relative volume balance among the various channels (made with the LEVEL controls) or the tone settings (made with the Equaliser).
- 16 **SPEECH/MUSIC switch:** Set this switch to SPEECH (show switch) to optimise the mixer settings and sound quality for speech purposes and announcements. Set this to MUSIC (show switch) to optimise the mixer for musical performance. The LED adjacent to the switch lights up in yellow when it is set to MUSIC (show switch).

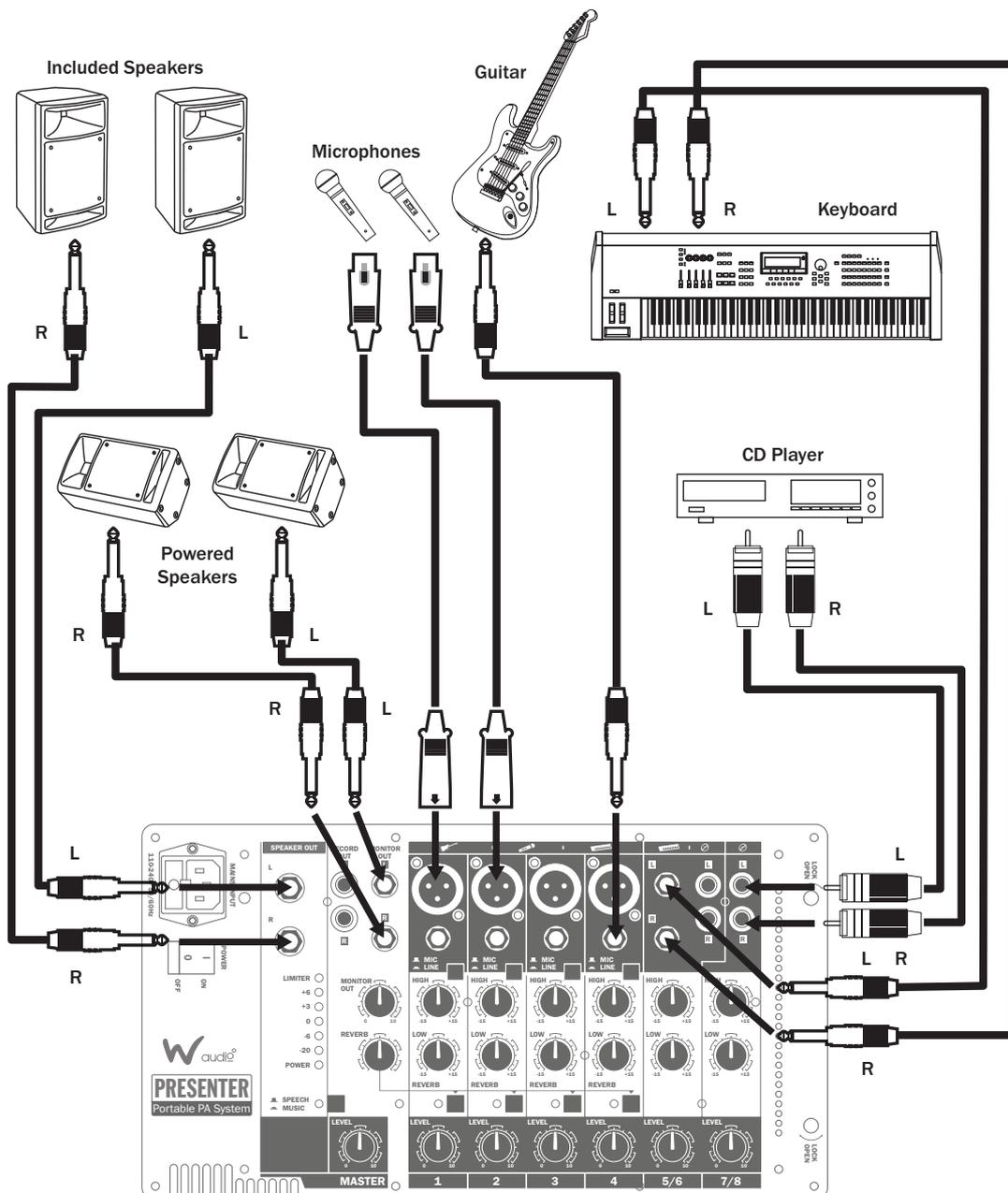
- 17      **POWER indicator:** This lights when the POWER switch is ON. When the indicator flashes, the protection circuit is operating. Check that the speaker cable is correctly connected to the mixer and reapply the power.
- 18      **LEVEL meter:** The LEVEL meter shows the level of the output signal from the SPEAKER L/R jacks. If the LIMITER flashes continuously, the internal power amplifier section is being excessively overloaded and may malfunction. Reduce the output level with the MASTER LEVEL control so that the indicator flashes only briefly on the highest transient peaks.
- 19      **Loudspeaker input:** 6.35mm ¼" 2-pole jack type input. Use the supplied Jack to Jack speaker cables for linking between LOUDSPEAKER INPUT jacks sockets located on each speaker cabinet to the LOUDSPEAKER OUT sockets on the mixer (4).

## Connection

- Before connecting the speakers and audio source to this device, make sure that all volume/gain controls are turned fully anti-clockwise in the minimum position.
- Turn on the mains power switch and the mains LED will illuminate.
- Supply the mixer amplifier unit with an audio signal. E.g. - Audio from a mixer or CD/line level source.
- **IMPORTANT! DO NOT OVERDRIVE THE SYSTEM.** If any distortion or clipping is audible you must reduce the input signal level or reduce the volume of the satellite speakers and bass. Failure to do so will cause damage to the amplifier and or speakers.

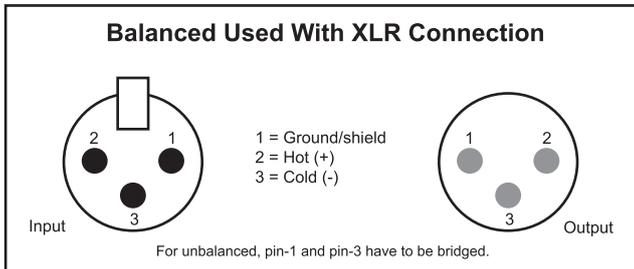
## Connecting a mixer to the system

See diagram below for how to connect the speaker system to a mixer.



## Balanced XLR Connection

### Connection With The Mains



Connect the unit to the mains via the IEC mains inlet using the 13A UK - IEC cord supplied.

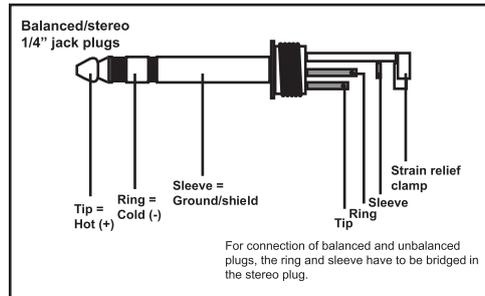
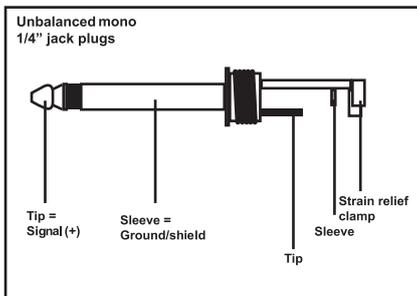
**The protective earth must be connected, do not attempt to remove or tamper with the mains earth connection.**

Switch the unit on. After switching on the speaker system, wait 8-10 seconds before you turn the volume control up in order to avoid speaker damage.

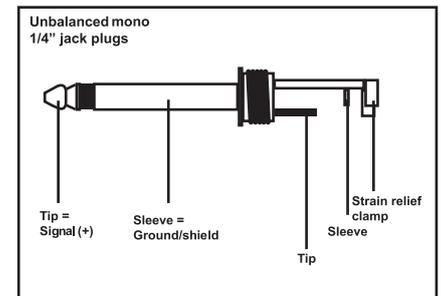
**CAUTION!** Increase the level of each channel up to the point where the clip LEDs illuminate.

Always check the sound pressure level with a meter in order to keep to the legal threshold.

### Jack plug



### Jack plug (speaker)



## Installing the speaker cables

Connect the speakers to the left and right speaker out sockets. The signal will be transmitted to the individual speakers.

Always treat the cables carefully and protect them from damage during transportation.

Always install the cables in a structured way and protect them from damage.

The cables must be installed in a way that no person can trip over them. Always fix the cables with an appropriate tape etc.

## Installation on a Speaker Stand

The speaker system may only be installed on a speaker stand if the original speaker system is equipped with an appropriate stand adaptor. Stands or satellite systems must only be installed on a plane area with a maximum inclination angle of 5°.

**CAUTION:** Speaker systems installed under the influence of horizontal forces, e.g. wind, can be impaired. This is why additional safety measures like attaching ballast weights have to be taken.

If inclined tension cables or prolonged outriggers are used, the area of danger has to be marked or blocked.

Before lifting or lowering the telescopic tubes, you must always block a safety area around the stand or satellite system. This safety area must have a diameter of 1.5 times the maximum height.

Lifted telescopic tubes always have to be secured with a secondary securing attachment.

The total weight of the installation (total weight of system including individual parts) must never exceed the maximum load of the installation area.

Unintended movement of the load has to be avoided - also in case of fire!

Loosen the fixing screws of the legs, pull the legs out until the cross struts are at a 90° angle to the legs. Tighten the fixing screws of the legs.

## Installation Of The Speaker System

**CAUTION:** The loads have to be installed in a balanced way.

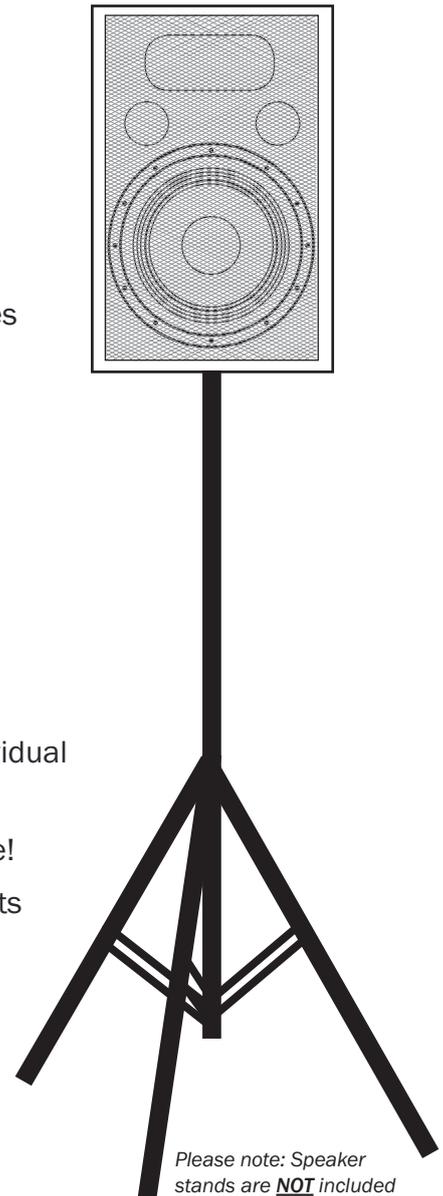
**CAUTION:** The carrying capacity of the stand or speaker stand must never be exceeded.

## Wall Installation

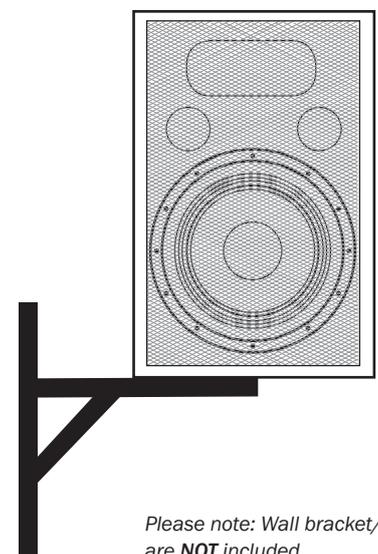
The speaker system can only be installed on a wall, if the original speaker system is equipped with an appropriate mounting point.

Before attaching the speaker system, make sure that the installation area can hold a minimum point load of 10 times the installations weight. (E.g. 13kg - 130kg point load).

The durability of the installation depends very much on the material used at the installation area (building material), such as wood, concrete and brick etc. This is why the fixing material must be chosen to suit the wall material. Always ask a specialist for the correct plug/screw combination indicating the maximum load and building material. (Note: Wall bracket/s not included)



Please note: Speaker stands are **NOT** included



Please note: Wall bracket/s are **NOT** included

## Replacing The Fuse

**CAUTION!** Before replacing the fuse, please make sure that mains cable is unplugged.

### Procedure

Step 1: Remove the IEC cable and carefully remove the fuse holder using a flat blade screw driver.

Step 2: Remove the old fuse from the fuse holder.

Step 3: Install a new fuse of the same type and rating.

Step 4: Replace the fuse holder in the housing and fix it.



### ***Correct Disposal of this Product (Waste Electrical & Electronic Equipment)***

**(Applicable in the European Union and other European countries  
with separate collection systems)**

This marking shown on the product or its literature, indicates that it should not be disposed of with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

