

GIG RIG PERFORMER **Waudio**



Order Code: SPEA43

www.prolight.co.uk

USER MANUAL

ENGLISH

WARNING

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

Unpacking Instructions

Immediately upon receiving this product, carefully unpack the carton and check the contents to ensure that all the parts are present, and have been received in good condition. Notify the dealer immediately and retain the packaging material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packaging materials. In the event that a product must be returned to the supplier, it is important that the equipment is returned in the original carton and packaging.



CAUTION!

**Keep this equipment away from rain,
moisture and liquids.**



SAFETY INSTRUCTIONS

Every person involved with the installation, operation & maintenance of this equipment should:

- Be competent
- Follow the instructions of this manual



DANGER OF BURNING!

**The materials used in this speaker system are easily flammable.
If B1 is required at the installation place, the surface must be treated with an
appropriate fire retardant at regular intervals.**



DANGER TO LIFE!

**A falling speaker system can cause deadly accidents. All safety instructions
given in this manual must be observed.**



**CAUTION! TAKE CARE USING THIS EQUIPMENT!
HIGH VOLTAGE-RISK OF ELECTRIC SHOCK!!**



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 particular caution!
- Never remove warning or informative labels from the equipment.
- Do not open the equipment and do not 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 220v/240v.
- 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 your product fails to function correctly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Prolight 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.

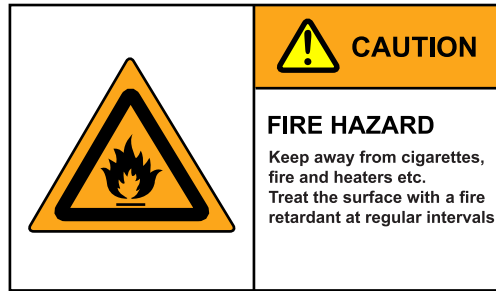
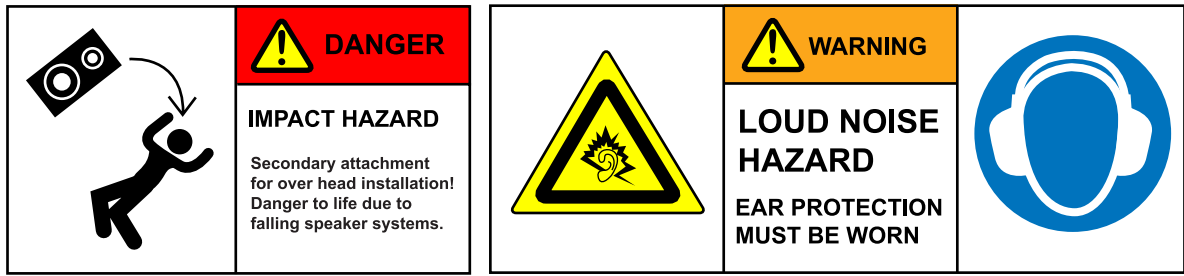
OPERATING DETERMINATIONS

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, electric shocks, lamp failure etc.

Do not endanger your own safety and the safety of others!
Incorrect installation or use can cause serious damage to people and property.

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° C and +45° 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° 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.

The speakers supplied with this system can be installed on speaker stands or an appropriate wall mounting brackets. The carrying capacity of the speaker stand, or wall mounting bracket must never be exceeded.

This speaker is not suitable for rigging by an other method than the 35mm top hat plus appropriate secondary fixing.



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.

Gig Rig Performer Mixer Amplifier Features:

- Four channel mixer amplifier
- Rugged, carpet covered housing complete with steel corner guards and a rubber carry handle
- Balanced XLR microphone inputs
- 1/4" 6.35mm line level inputs
- CD/TAPE input located on rear panel
- Master volume & effects controls
- Speaker output sockets - 6.35mm (1/4") jack
- Effects loop - enables use of external processing
- Record output - ideal for use with external audio recorders
- 3 band EQ on main output
- 2 band EQ on each input channel
- Convection cooled
- 2 x 75Wrms (2 x 100W peak) power output
- Dimensions: 490 x 270 x 138mm
- Weight: 7.3Kgs

Gig Rig Performer Speaker features:

- Continuous (RMS) power: 75W
- Peak power: 100W
- Efficiency (1watt/1metre): 93dB
- Frequency range (-3dB): 60Hz - 18kHz
- Low frequency transducer: 10"/250mm
- High frequency transducer: 3" x 7" Piezo Horn
- Crossover frequency: 4kHz
- Nominal impedance: 4 Ohms
- 6.35mm Jack Socket x 2
- 35mm stand mountable
- Durable black carpet finish
- Dimensions: 360 x 295 x 535mm (L x W x H)
- Weight: 9.7Kgs

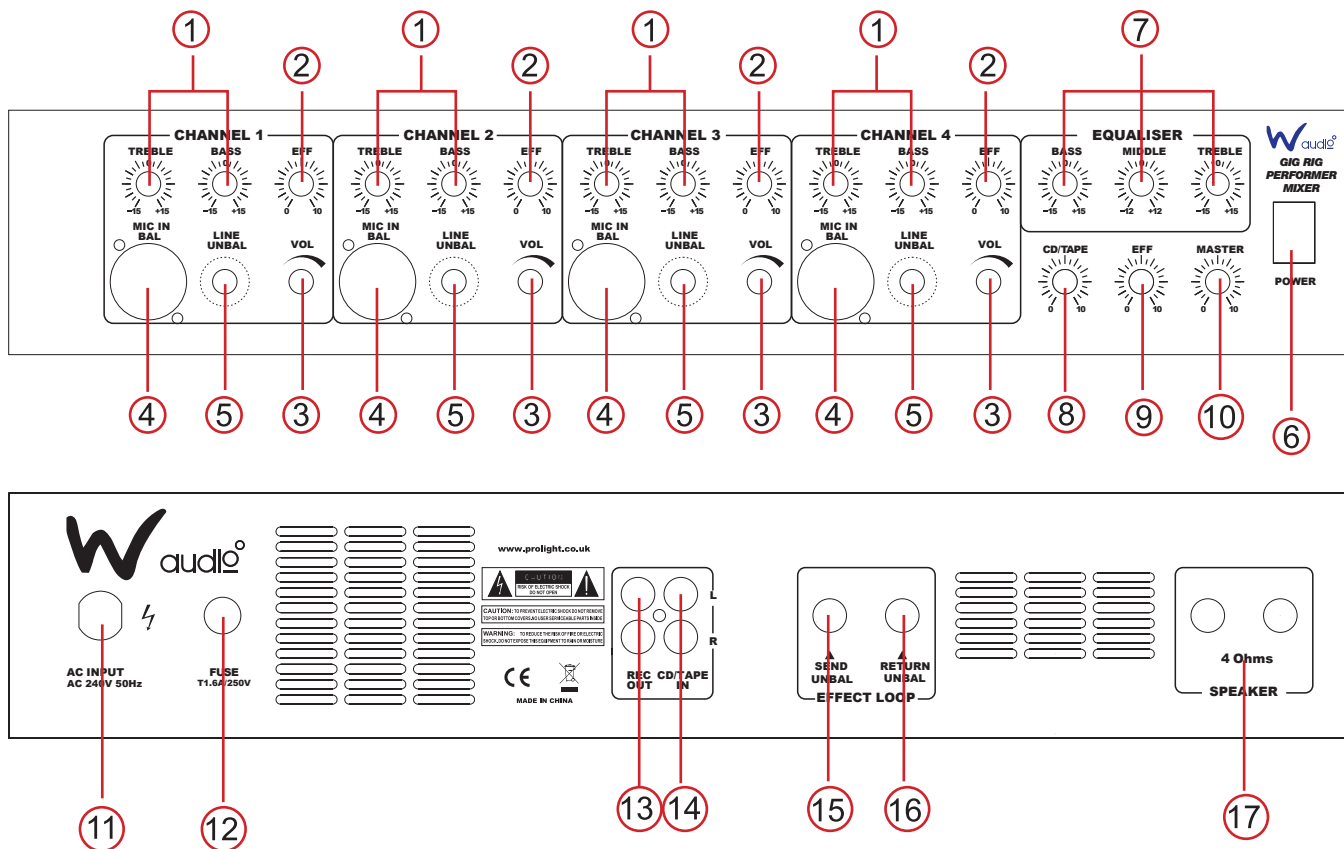
Unpacking and transportation:

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 25Kgs must be transported by two persons.

Overview:

Mixer Amplifier:



Identification:

- 1, Equaliser (EQ) Controls - (TREBLE / BASS)** – This is a 2-band equaliser for adjusting different frequency bands. The BASS control is centered at 80Hz and the TREBLE centered at 12.5kHz
- 2, Effects (EFF) Control** - Provides control over the level of signal sent from the channel into the Effects processor.
- 3, Level Control** - Sets output level for the channel, turning this clockwise will increase the level of the selected channel within the main mix. This should be adjusted slowly as introducing too much gain to the system can cause feedback and damage speakers/amplifiers and also produce high frequencies at high sound levels and may damage your hearing.
- 4, Balanced XLR Microphone Input** - Accepts low level, low impedance microphone signals via a Balanced XLR socket. Pin configuration is:
Pin 1 = GND, Pin2 = +ve (Hot), Pin3 = -ve (Cold)
- 5, Unbalanced 6.35mm (1/4") Line Input** - Accepts line level, high impedance signals via an unbalanced 6.35mm (1/4") jack socket. Pin configuration is
Tip = +ve (Hot), Sleeve = -ve (Cold/GND)
- 6, Power ON/OFF Switch** - Turns amplifier power on or off. When on, the Red Neon will illuminate.

7, Master Equaliser (EQ) Controls - (TREBLE / BASS) – A 3-band equaliser for adjusting different frequency bands within the main mix output. The BASS control is centered at 80Hz, MIDDLE centered at 2.5kHz and the TREBLE centered at 12.5kHz.

8, CD/TAPE Line Input - Linked directly to the CD/TAPE Line input on the rear panel this controls the level for the CD/TAPE Line input within the main/master mix.

9, EFF Return Control (EFF RETURN) - This adjusts the level of signal returned from the built-in Effects processor to the main mix output.

10, MASTER - The MASTER is for overall control of the level or volume of the amplifier. This should be adjusted slowly as introducing too much gain to the system can cause feedback and damage speakers/amplifiers and also produce high frequencies at high sound levels and may damage your hearing.

11, MAINS Input - The mixer amplifier requires a standard 220-240Vac ~ 50Hz mains supply. The mixer amplifier is supplied with a BS1363A UK type 13A fused plug fitted. The plug contains a fuse – should this blow the fuse should be replaced with one of the exact same rating. Do not fit a fuse with a higher rating.

12, FUSE - Should the mains fuse fail this can indicate a problem with the mixer amplifier or the speakers connected. The mains fuse should only be replaced after the product has been checked for damage the fuse should be replaced with the exact same type. This unit uses a T1.6A 250V 20x5mm glass fuse.

13, REC OUT - A standard line level output for connection to audio recorders or for use as an external line output to external amplification. Output is via two phono sockets.

14, TAPE IN - A standard line level input for connection to audio recorders or for use as an external line output to external amplification.

15, SEND JACK - If an external effects processor is to be used with the mixer amplifier this output will provide a line level feed via an unbalanced 6.35mm (1/4") mono jack. The signal can then be routed via an effects processor, graphic equalizer or similar before being returned to the RETURN located adjacent to the SEND. Inserting a Jack plug into the SEND socket will cut the feed to the main mix, this socket must be used with an external processor and the signal returned post-processing to the RETURN jack.

16, RETURN JACK - Accepts a line level feed via an unbalanced 6.35mm (1/4") mono jack, this is used in conjunction with the SEND output where external processing is required.

17, SPEAKER OUTPUTS - These provide the main speaker outputs via standard 6.35mm (1/4") mono jack plugs. All speaker cables should be manufactured from two core, double insulated cable suitable for carrying high currents. This amplifier is designed to work with 4Ω - 8Ω impedance loads – the minimum impedance per speaker output is 4Ω. If in any doubt please contact your dealer or the Pulse Technical as the wrong combination of speakers can damage either the amplifier, the speakers or worst case both!

NOTE: Guitar signal leads are not suitable and may fail causing damage to the speakers and or amplifier. Speaker outputs can present high voltages capable of delivering an electric shock – care should be taken with connections to ensure no bare wires are visible. All connections/ disconnections should be made when the amplifier is turned off. Speaker cables made for use with this product should be wired as per the following chart. If in any doubt please contact your local dealer who will be able to manufacture cables to suit or sell suitable cables for the system.

Start Up

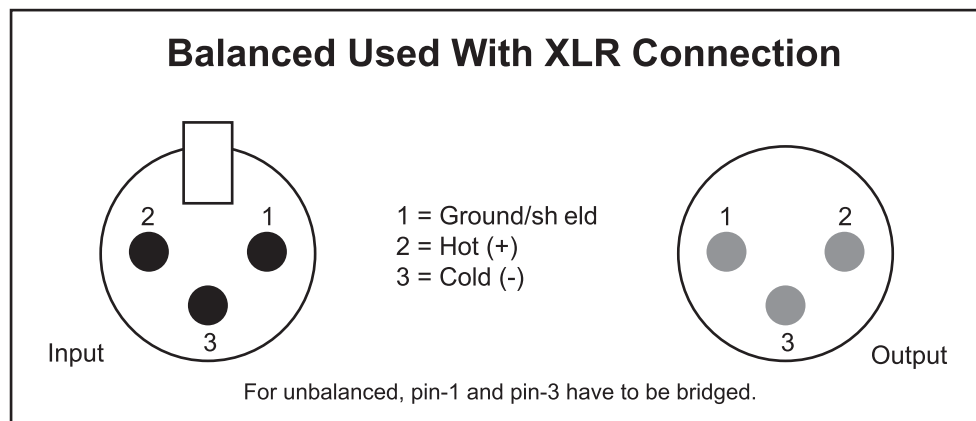
Make sure that the power switch is set to “OFF” before you connect the speakers.

Inputs

A good quality cable run improves the sound quality considerably. Input cables should be short and direct, since high frequencies may be absorbed if the cables are unnecessarily long. Also a longer cable may lead to humming and noise problems. If long cables runs are unavoidable, you should use balanced cables.

In order to obtain the highest sound quality, only use high quality cables for connecting the units.

Balanced XLR Connection



Connection With The Mains

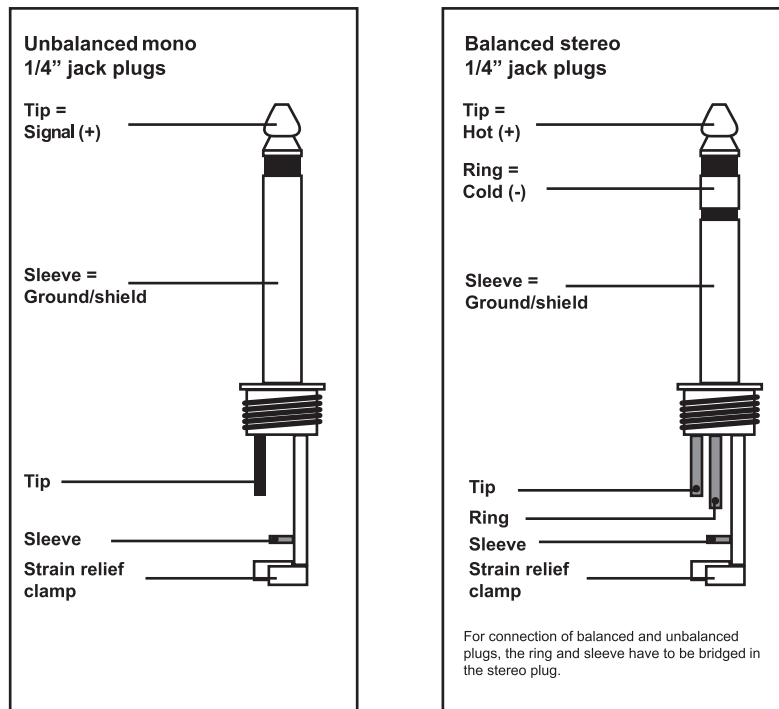
Connect the unit to the mains with the power plug.

The earth has to be connected.

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.

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

Jack Plug



Connections

This speaker system is equipped with 2 pole 6.35mm jack speaker sockets. Speaker connections should only be made while the mixer amplifier is powered off.

Installing the speaker cables

Connect the speakers to the left and right speaker 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.

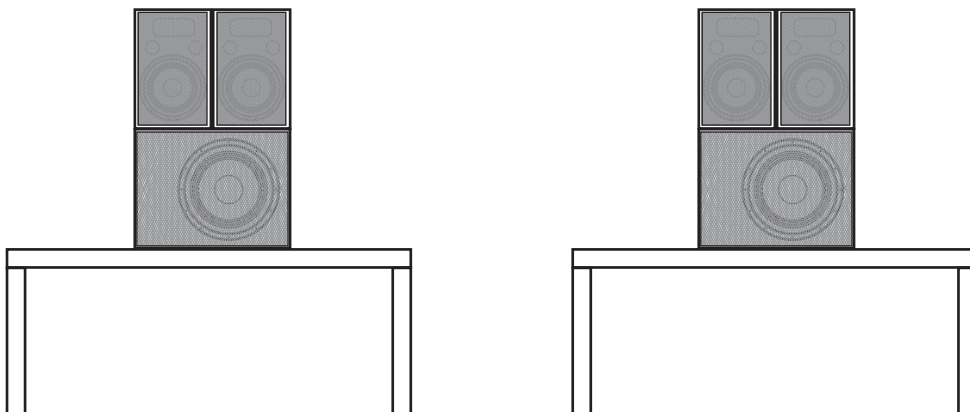
The cables must be installed in a way that no person can trip over them. Always fix the cables with an appropriate tape etc.

Should the supplied speaker cables need replacement, please ensure good quality speaker cable is used (ie. CABL28). Do not use guitar cables or signal cables.

Installation

Stacking

This speaker system may only be installed on top of another speaker system if both systems are clamped up to each other via appropriate clamping belts and protected against tilting over.



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 fixingscrews of the legs.

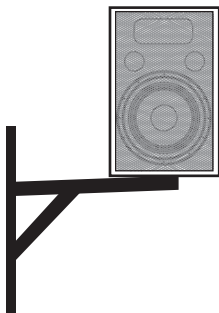
Installation Of The Speaker System

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.

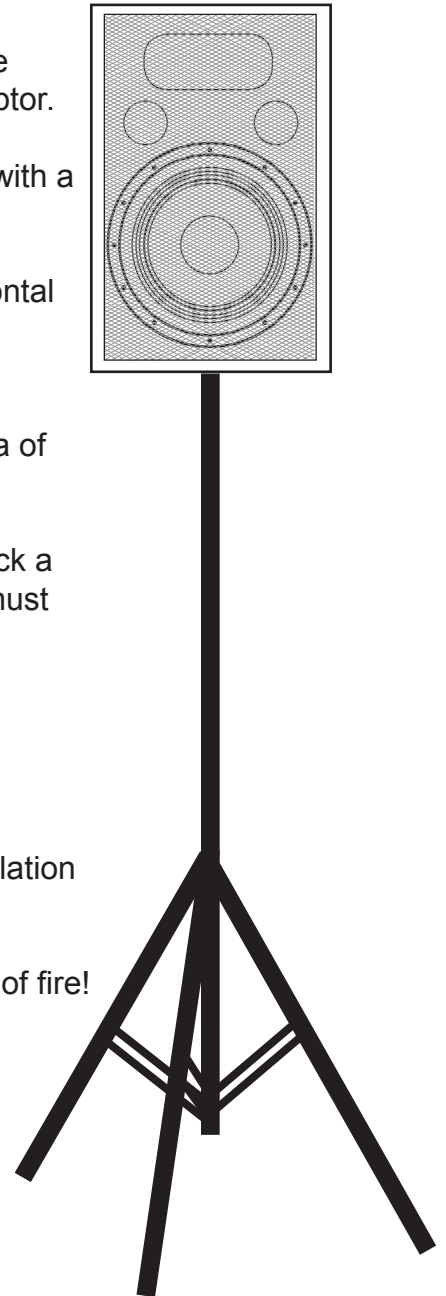
Wall Installation

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. 13Kgs - 130Kgs 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.





www.prolight.co.uk