

L-lite^{PLUS} LCR

User Manual

QUAD

the closest approach to the original sound



INTRODUCTION

The QUAD L-ite^{plus} LCR is a three channel soundbar designed to form the front and centre loudspeakers of a Home Theatre system. It can be used stand-alone or partnered with the Quad L-ite satellites and subwoofer to form a multichannel compact Home Theatre system of impeccable performance.



**Before installing this product
read all these instructions!**

Before making connections to your sound system, switch off the amplifier and all connected sources. When you switch on the system or change sources, set the volume control to minimum and turn up the level gradually.

Do not use your amplifier at full volume. Playing the system with extreme settings of volume may damage the amplifier and loudspeakers.

Do not connect loudspeaker terminals to the mains supply.

Ensure that your loudspeakers are correctly wired and are in phase.

Do not subject your loudspeakers to excessive cold, heat or sunlight.

WARNING: To reduce the risk of fire or electrical shock do not expose this product to rain or moisture. The product must not be exposed to dripping and splashing and no object filled with liquids - such as a vase of flowers - should be placed on the product.

No naked flame sources – such as candles - must be placed on the product.

Do not place heavy objects on top of loudspeaker cabinets. If you wish to play your loudspeakers with their grilles removed be careful to protect the drive units from children and pets.

UNPACKING

The QUAD L-ite^{plus} LCR carton contains:

- The QUAD L-ite^{plus} LCR soundbar loudspeaker
- This Instruction Manual
- Warranty Registration Form

Consult your dealer if any of these items is not present.

Unpack the loudspeaker carefully. Be especially careful not to damage the loudspeaker cabinet when removing the polythene sleeve.

Please retain the packing materials for future transportation. If you dispose of the packing do so with regard to any recycling provision in your area.

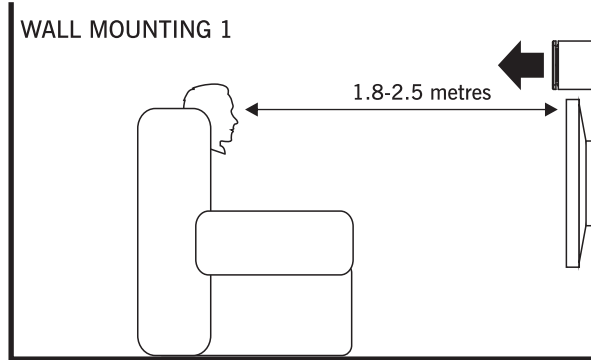
Please retain the user manual and the information concerning the date and place of purchase of this equipment for future reference.

WALL MOUNTING YOUR LOUDSPEAKER - 1



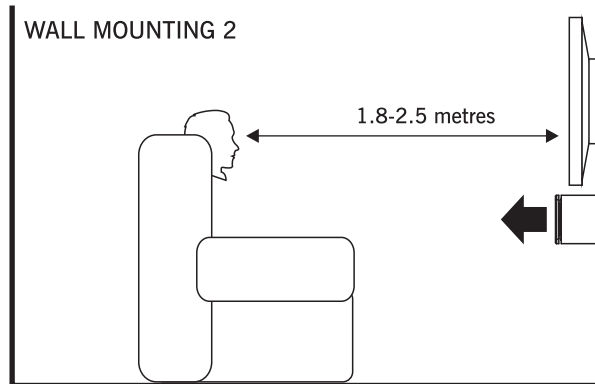
Before connecting your system consider where you will place the speakers in the room. This is particularly important if you are wall mounting the loudspeaker.

WALL MOUNTING 1



If the monitor screen is placed so that the centre of the screen is at or below eye level to a seated viewer we recommend it is mounted as shown.

WALL MOUNTING 2



Wall mounting the loudspeaker below the screen is recommended only if the screen is mounted significantly above eye level.

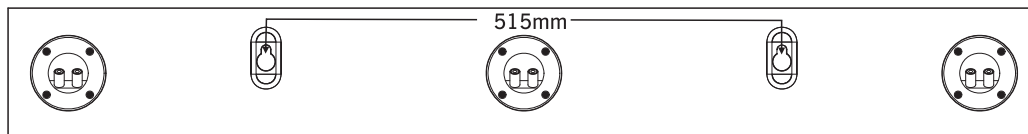
WALL MOUNTING YOUR LOUDSPEAKER - 2

The loudspeaker is provided with integral keyhole mounts for wall mounting.

Wall mounting should be carried out by licensed sound contractors or technicians with appropriate qualifications and experience. All installation and wiring should comply with the relevant standards laid down by the competent authority in the country and place of installation.

Before you attempt wall mounting, ensure the surface is stable and strong enough to support the weight of the speaker and mounting hardware.

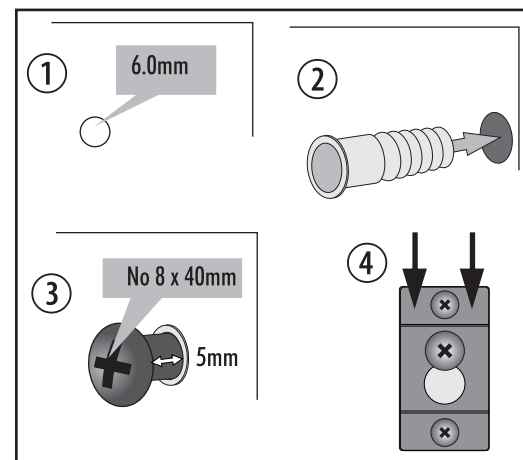
Determine the location of the loudspeakers and identify the loudspeaker mounts from the drawing before you start.



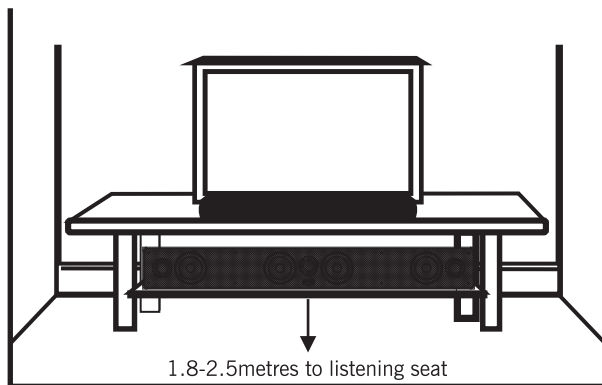
You will need 2 No.8 screws and matching wall plugs to attach each loudspeaker to the wall. These are the responsibility of the installer who should supply suitable fixings for this purpose.

- 1: Mark off a horizontal line on the wall. Use a spirit level to ensure that the lines are accurately drawn. Mark off two points on this line at the mounting centres indicated in the drawing (515mm).
- 2: Drill two 6mm holes in the wall at the points marked.
- 3: Fix a suitable No.8 round head screw firmly into each hole using appropriate wall plugs. Leave a stub of 5mm protruding from the wall.
- 4: Align the holes in the mounting brackets over the screw heads and carefully lower the unit onto the screws.

Remove the loudspeakers from the wall ready for connection. After connection they can be re-installed on the wall.



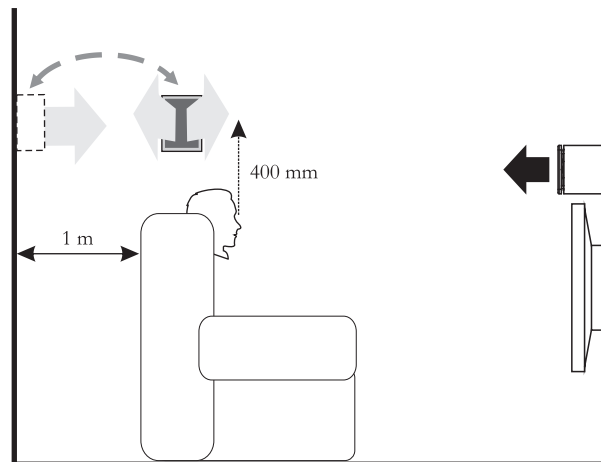
FREE STANDING



Free standing should only be an option when wall mounting is impractical.

You may place the loudspeaker either under or above the monitor screen on a secure shelf.

EXPANDING THE SYSTEM



If you already own suitable surround loudspeakers or are contemplating expanding the system to 5.1 operation, we suggest that the surround channels be mounted as shown.

You can mount the surrounds either on the side or rear walls but always behind the listening position.

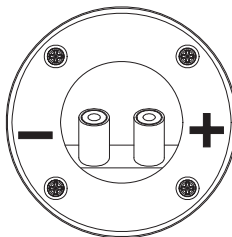
CONNECTING YOUR LOUDSPEAKERS

Always make connections with all system units switched off.

TERMINAL PANELS

Each of the three loudspeakers connects to the amplifier via a twin terminal connecting panel.

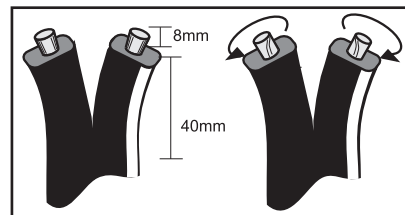
The positive (+) terminal is located at the right of the panel and is coded Red. The Negative (–) terminal is coded Black.



1: CABLE PREPARATION

Prepare three lengths of loudspeaker cable. Split the cores to a depth of about 40mm. Carefully strip the insulation from each end, leaving about 8mm of bare wire. If the cable is stranded, lightly twist to gather any loose strands.

Audio cable is polarised, with two cores of different colours, or often a coloured tracer or identification rib. We suggest that you connect the coloured/striped wire to the RED, Positive terminals of your AV amplifier. This will ensure that all the loudspeakers are connected the correct way round and avoid set-up problems.

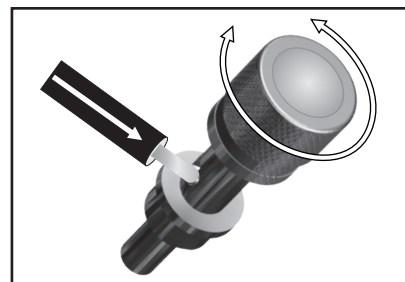


2: CONNECTING A SPEAKER TERMINAL

Unscrew a terminal. Thread the bared end of each cable through the hole in the bottom of the terminal post. Ensure that there are no loose strands which may touch adjacent terminals. Retighten securely.

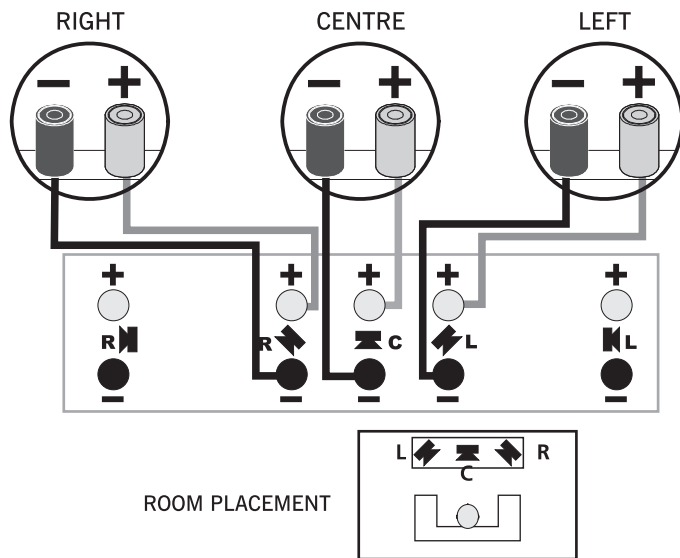
AMPLIFIER - SPEAKER CONNECTIONS

Connect each loudspeaker to the correct channel of your AV amplifier or processor taking care to connect the Red, Positive (+) terminal of the speaker to the Red, Positive (+) terminal of the speaker output terminal of the amplifier, and similarly with the Black, Negative (–) terminal. Use the connection diagrams on the next page to help you.



CONNECTING YOUR LOUDSPEAKERS - 2

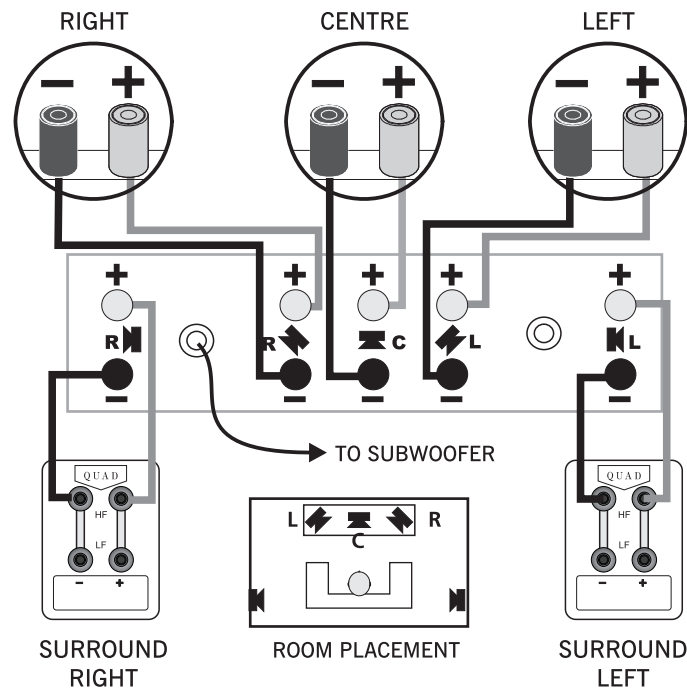
3 CHANNEL CONNECTIONS



CONNECTING A WALL MOUNTED SPEAKER

- 1: Mark each speaker cable for easy identification
- 2: Run the cables from the amplifier to the speaker location.
- 3: Connect a cable to each loudspeaker unit.
- 4: Hang the loudspeaker on the wall.
- 5: Connect the three loudspeaker cables to the amplifier making sure each speaker is connected to the correct amplifier channel.

5.1 CHANNEL CONNECTIONS



The Soundbar can be used stand-alone or partnered with the Quad L-lite satellites and subwoofer in a multichannel system.

SETTING UP AND OPERATION



Please read the relevant sections of your AV amplifier manual and familiarise yourself with the various issues. If you are unsure, consult your dealer for help.

3.0/3.1 OPERATION

If you are using the LCR speaker on its own:

Remember to disable the surround (and rear channels if you have a 7.1 processor). This will send the information from the unused channels to the front loudspeakers.

Set the subwoofer channel to “off”. this will ensure that all the sound comes out of the LCR loudspeaker.

If your processor has a “Stereo only” option for use when playing 2 channel material you can enable this for stereo reproduction in which case the centre speaker will be disabled when replaying 2 channel material.

If you are using a subwoofer set this option to “on”. This will direct bass effects to the subwoofer.

LOUDSPEAKER SIZES

Most digital AV processors require you to specify the size of speakers in all operational channels. These are usually ‘Large’ or ‘Small’. Set all the Quad L-ite speakers in the system to ‘Small’. This will direct all the bass in the system to the subwoofer for clean, deep and louder bass.

Set the ‘Subwoofer’ option on the processor to “on”.

If there is no subwoofer in the system: Set all the speakers to “Large” and set the subwoofer to “off”

SETTING LEVELS

When the loudspeaker settings are finalised, put the AV amplifier into its “Test” mode (see your processor instructions), Adjust the levels until all channels are equally loud.

TROUBLESHOOTING



If your system is not working properly please use this checklist before returning a unit to your dealer.

No Sound:

System not switched on; speaker cables shorting terminals out; wrong source selected

Sound lacks bass content: Bass reproduction indistinct:

Front loudspeakers out of phase. Check all system connections and rectify. Subwoofer not switched on; Subwoofer phase incorrect; Subwoofer crossover control too low

Excessive bass distortion at low volumes

Subwoofer level too high; LFE level too high; Subwoofer incorrectly wired.

Excessive or distorted bass at high levels:

System level set too high; Bass control set too high;

Distortion / rattling at high levels:

System level too high; Objects on speakers/subwoofer; Objects too close to subwoofer.

Very poor bass/sound effects:

Rear/surround/sub channels enabled when the soundbar is in stand alone mode.

Indistinct sound; Poor localisation of effects or dialogue:

One or more loudspeakers is out of phase. Check all system connections and rectify. (Read the manual for correct connection procedure)

FURTHER INFORMATION, WARRANTY AND SERVICE

RUNNING IN

Loudspeakers are electro-mechanical and they need a 'running in' period. For the first 50 hours or so, play your system at reasonable levels. After running in, you will notice a significant sonic improvement.

CARE AND MAINTENANCE

The cabinets can be occasionally wiped with a damp (not wet) cloth. Spray polish, if used, should be applied sparingly - spray the polish onto a cloth and then apply it to the speaker. NEVER spray the grille cloth or the speaker drive units. To clean the grilles, remove them first before gently brushing with a soft brush. Never use solvent cleaners, minor stains are best removed with soap and lukewarm water. Avoid touching the drive units as they can easily be damaged.

WARRANTY

Quad equipment is warranted against any defect in material and workmanship for one year from the date of purchase (proof of purchase is required). We ask that you complete and return the enclosed Warranty Registration Form.

Within the guarantee period, Quad will undertake replacement of defective parts free of charge provided that the failure was not caused by misuse, accident or negligence. Your statutory rights within the territory in which you purchased the equipment are not affected by this guarantee.

There are no user replaceable or serviceable parts inside Quad units. Unauthorised attempts to service or modify Quad products will invalidate the warranty.

SERVICE ARRANGEMENTS

Equipment for servicing should be returned to the supplying dealer, or to the appointed service agents for your area. The addresses of Service Agents for the UK and Asia are listed below. If you are abroad and there is no suitable dealer in your area, please contact the distributor for the country in which it was purchased or Quad Electroacoustics Ltd. *A worldwide distributor list is available on the QUAD website: www.quad-hifi.co.uk*

Equipment returned for service should use the original packing. Please enclose a brief note with your name and address and the reason for returning the unit.

AUTHORISED MAIN SERVICE CENTRES

UNITED KINGDOM:

International Audio Group, Unit 4, St Margaret's Way,
Stukeley Meadows Industrial Estate Huntingdon, Cambs, PE29 6EB
Tel: +44 (0)1480 447700 Fax: +44 (0)1480 431767

ASIA:

IAG Sales and Service Centre, Jiuwei Village,
Xixiang Town, Shenzhen, China 518102
Tel: +86-755-27484491 Fax: +86-755-29651484

SPECIFICATIONS

QUAD L-ITE LCR	LCR-L	LCR-C	LCR-R
Format	2-way sealed	2-way sealed	2-way sealed
Bass/Bass mid unit	100mm	2 x 100mm	100mm
Tweeter	25mm	25mm	25mm
Rec. Amplifier Power	30 -120 W	30 -120 W	30 -120 W
Nominal Impedance	4 Ohms	4 Ohms	4 Ohms
A/V shielding	Yes	Yes	Yes
Sensitivity (2.83V @ 1M)	84 dB	87 dB	84 dB
Freq. Response (-6dB)	85 Hz-24kHz	85 Hz-24kHz	85 Hz-24kHz
Crossover Frequency	3.3 kHz	2.6 kHz	3.3 kHz
Size Overall (H x W x D)			

QUAD

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