



1000i Series

User Manual and
Product Specifications

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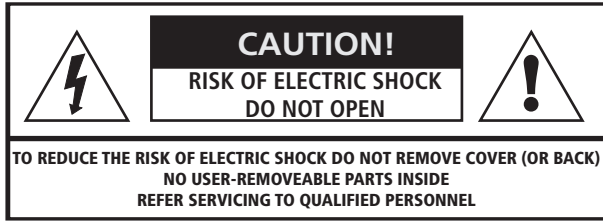
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Important Information- Please Read Carefully



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.

Read these instructions.

Keep these instructions.

Heed all warnings.

Follow all instructions.

Do not use this apparatus near water.

Clean only with dry cloth.

Do not block any ventilation openings.

Install in accordance with the manufacturer's instructions.

Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

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 wider blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

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

Use only attachments/accessories specified by the manufacturer.



Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.

When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.

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

Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

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 should be placed on the product.

Warning: The mains power switch for the subwoofer is the device used to disconnect the unit from the mains supply. This switch is located on the rear panel. To permit free access to this switch, the apparatus must be located in an open area without any obstructions, and the switch must be freely operable.

Caution: Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this device.

Service: Equipment for servicing should be returned to the supplying dealer, or to the service agent for your area. The addresses of the

main Service Agents for the UK are listed in this manual.

Third parties: In the unlikely event that you pass this product on to a third party, include these operating instructions with the product.

Important notice to UK users

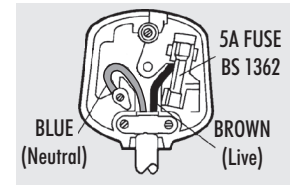
The appliance cord is terminated with a UK approved mains plug fitted with a 5A fuse. If the fuse needs to be replaced, an ASTA or BSI approved BS1362 fuse rated at 5A must be used. If you need to change the mains plug, remove the fuse and dispose of this plug safely immediately after cutting it from the cord.

Connecting a mains plug

The wires in the mains lead are coloured in accordance with the code: Blue: NEUTRAL; Brown: LIVE:

As these colours may not correspond to the coloured markings identifying the terminals in your plug, proceed as follows:

The BLUE wire must be connected to the terminal marked with the letter N or coloured BLUE or BLACK. The BROWN wire must be connected to the terminal marked with the letter L or coloured BROWN or RED.





Q Acoustics 1000i Series

Introduction

The Q Acoustics 1000i series is a range of loudspeakers designed to meet the highest expectations of dedicated 2-channel audiophiles and discerning movie enthusiasts. The range comprises:

1010i: Compact Bookshelf speaker with a 100 mm bass driver.

1020i: Bookshelf speaker with a 125 mm bass driver.

1030i: Compact Floorstander with a 165 mm bass driver

1050i: Floorstander with two 165 mm bass drivers

1000Ci: Centre channel with two 100 mm bass drivers, which can be wall mounted if required.

1000Si: 100 Watt active subwoofer with a 200 mm driver and signal sensing for automatic power on/off.

All the passive speakers are bi-wireable with the exception of the 1010i and 1000Ci.

All the loudspeakers may be operated close to TV monitors with no ill-effects with the exception of the 1000Si, which should not be operated within 500mm of TV screens monitors or other magnetically sensitive equipment. Plasma and LCD screens are unaffected.

Before making any connections to your loudspeakers make sure that all active units in your system are switched off at the mains.

When switching on your sound system or changing input sources, set the main volume control at a low level. Turn up the level gradually.

NEVER play your sound system at full volume. The position of the volume control is deceptive and does not indicate the power level of the system. Using very high volume settings may damage your hearing.

DO NOT connect your loudspeaker terminals to the mains supply.

DO NOT expose your loudspeakers to excessive cold, heat, humidity or sunlight.

If you play your loudspeakers without their grilles on, be careful to protect the drive units from damage.

DO NOT use makeshift stands. Fit the Q-Acoustics approved stand according to the instructions and using any fixings provided. Your dealer will advise you.

DO NOT dismantle the loudspeaker. You will invalidate the warranty.

Unpacking your loudspeakers

Unpack the speakers fully. Lift the speakers from the cartons by holding the cabinets. Do **not** use the polythene bags to lift them. The 1030i, 1050i, and 1000Si are heavy - get assistance to lift them if necessary.

When manoeuvring loudspeakers, do not drag them across the floor as this may cause damage - lift them before moving them.

In the carton you will find: The loudspeaker/s and this product manual.

In addition the packing for the following models contains:

1030i and 1050i: A plinth for each speaker, screws, an Allen key to attach the stand and a set of floor spikes and spike covers.

1010i, 1020i, 1000Ci: A set of four adhesive feet.

1000Si: An IEC power cord suitable for the mains supply in your area.

Check the product carefully. If any items are damaged or missing, report this to your dealer as soon as possible.

Retain the packing for future transport. If you dispose of the packing, please do so following all recycling regulations in your area.



Preparation



Spikes are sharp. Exercise care!

Never place a spiked loudspeaker where it can cause damage!

Always move your loudspeakers by lifting them - never drag them!

Fitting the Floor Stand and Spikes- 1030i and 1050i

Place a soft cloth or towel on the floor. Invert the loudspeaker and place it on the cloth.

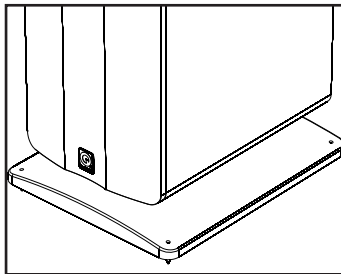
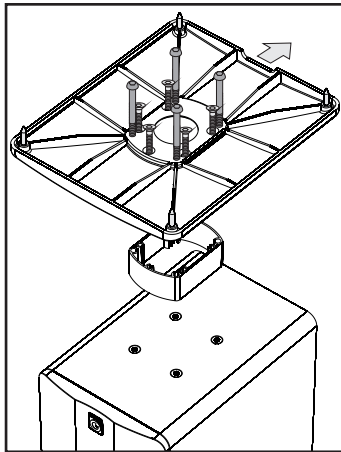
The stand consists of a base and a pillar. Attach the base to the pillar with the five short screws. An Allen key is provided so you can tighten the screws properly.

Invert the stand and thread the four long bolts through the base and the pillar; line up the bolts with the mounting holes in the bottom of the speaker and tighten securely.

Make sure the recess in the stand faces the rear of the loudspeaker.

Thread the spikes half way into the base and return the loudspeaker to the upright position. (If you have a wood or stone floor push a spike protector over each spike before turning the speaker upright)

When the speaker is the right way up, insert the Allen key into each spike from the top and adjust all the spikes in and out until the loudspeaker is level and stable.



Sand Filling the 1030i

The lower chamber of the 1030i can be filled with sand to aid stability and to dampen acoustic vibration. This is entirely at your option. No harm is caused if you omit this procedure.

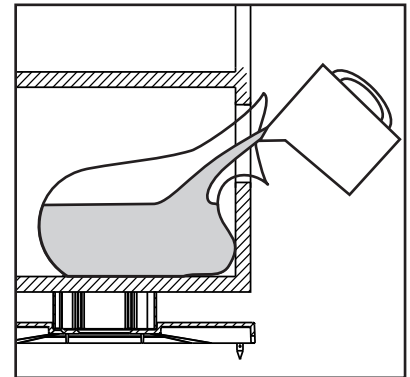
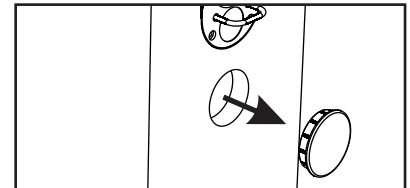
You will need:

- 5kg of dry sand - play sand is ideal. Do not use building sand.
- A large, strong polythene bag.
- A dry pouring jug.

Remove the bung in the rear panel. Push the bag into the chamber with the mouth of the bag protruding at least 100 mm. Carefully pour (or spoon) the sand into the bag. When all the sand is in the bag tie the mouth securely and push the bag into the chamber. Replace the bung.

1010i, 1020i, 1000Ci

Each loudspeaker is provided with four adhesive feet. If you are not wall mounting the speakers, peel the backing off each foot and press a foot into place at each corner of the bottom panel 15 mm in from each edge.





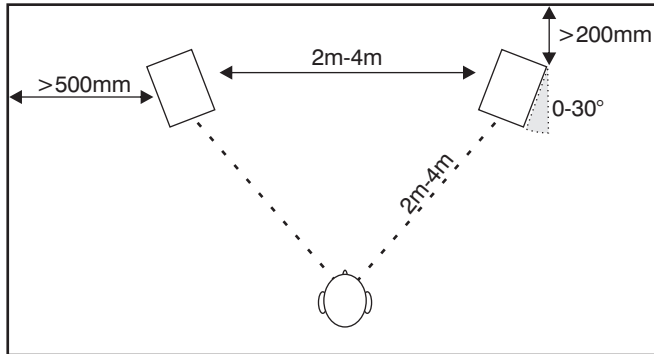
Positioning Passive Loudspeakers



Dolby and the double-D symbol are trade marks of Dolby Laboratories.

1030i and 1050i

The 1030i and 1050i loudspeakers should be positioned at least 200mm from a back wall and 500mm from the side walls. Placing the speakers closer to the wall will increase bass but could cause the sound to boom and lack precision and detail. The speakers should be 2m - 4m apart and central to the seated listener. Turning the speakers slightly inwards will sharpen a stereo image but may cause narrowing of the sound source.



1010i and 1020i

The 1010i and 1020i are ideally mounted on Q-Acoustics floor stands or wall mounted. If you are stand mounting, a simple guide is that the treble unit should be at ear level to a seated listener. Wall mounted speakers may be mounted slightly higher with the speaker angled down. Stand mounted speakers should be treated as floorstanding speakers except that the speaker may be placed a little closer to the back wall. Shelf

mounting is also possible.

An optional bracket designed specifically to wall mount the Q Acoustics 1010i, 1020i and 1000Ci is available from your dealer. Floor stands for the 1010i and 1020i are also available.

Be prepared to experiment to find the best setup for your taste in your particular listening room.

Effects loudspeakers

1000Ci

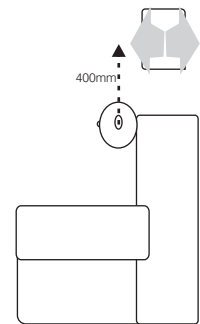
The 1000Ci is designed to be operated close to a TV screen and central to it. It should be placed immediately above or below the screen. If you are using a regular TV set, make sure that the TV is capable of adequately supporting the speaker and has a level top. If not, consider placing the TV on a cabinet with the 1000Ci on a secure shelf immediately below the TV.

If you have a Plasma or LCD monitor, mount the 1000Ci to the wall or other suitable surface immediately above or below the screen.

Surround Speakers

There are recommendations from Dolby labs for 5.1 effects speakers.

Surround speakers should be mounted on either side of the listener, slightly behind the listening position. The speakers should be sited facing inward either mounted on the side walls of the room or if the room is large, on high stands and with their centres above ear level to a seated listener.



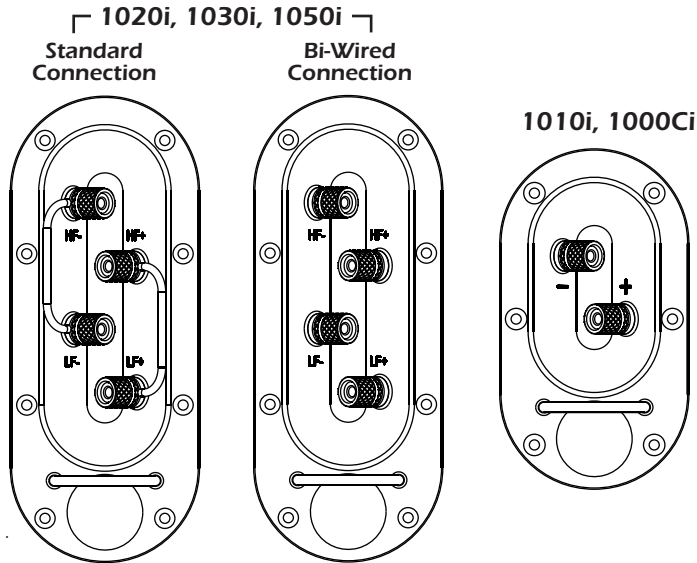


Connecting Passive Loudspeakers

Terminals and Connectors

The 1020i, 1030i and 1050i are bi-wireable. A bi-wireable crossover has four terminals. The upper pair of terminals connects to the treble (HF) speaker and the lower pair to the bass (LF) speaker/s. As supplied the crossovers are fitted with removable links to connect the terminal pairs. This permits you to connect the loudspeaker conventionally using one pair of cables or in bi-wired mode with two pairs.

The 1010i and 1000Ci have standard two terminal crossovers.



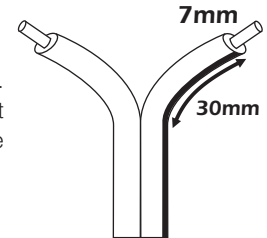
Loudspeaker Cables

Specialist loudspeaker cables will offer a higher standard of reproduction than general purpose 'bell' or 'zip' wire. Use cable with generous amounts of copper for the front and centre channels. Thin cables reduce the bass and restrict the dynamic range. Surround (rear) channels are less critical.

Speaker cable has a stripe or tracer along one core. By convention this is connected to the positive terminals. The cables connecting the amplifier to the front loudspeakers should ideally be the same length. Never join cables - use complete lengths.

Preparing Cables

Split the cable to a depth of about 40 mm. Bare the wire to a depth of 10mm and twist the ends to gather any stray wires. Crop the cable leaving 7mm of bare wire exposed.

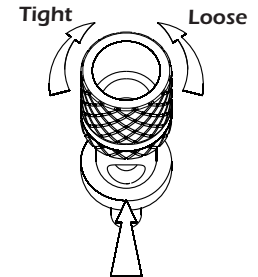


Connecting a Terminal

Unscrew the terminal anticlockwise to expose the mounting hole in the base of the terminal column.

Insert the bare end of the cable into the hole. Re-tighten the terminal fully hand tight. Make sure there are no stray wires which could touch adjacent terminals.

In the EU it is against safety regulations to use 4mm loudspeaker plugs.





Connecting Passive Loudspeakers

Stereo Connections

Standard Connections

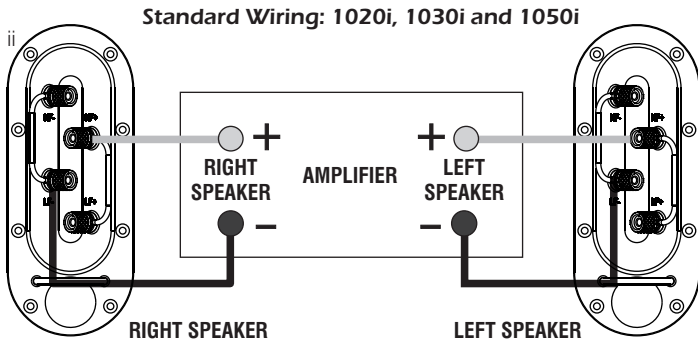
Each loudspeaker is provided with a cable guide so you can dress the cables neatly. The 1010i, 1020i, 1030i and 1050i and 1000Ci have the guide fitted at the bottom of the crossover terminal panel.

Thread the cable up through the guide before connecting the loudspeaker.

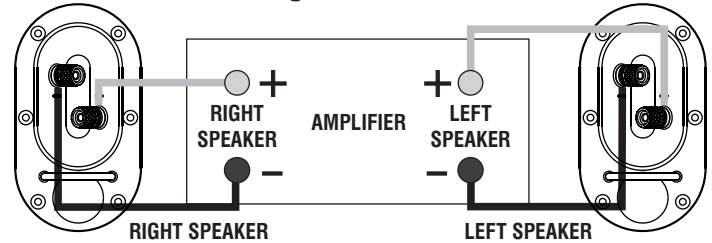
Connect the **RED (+)** terminal of the **RIGHT** loudspeaker to the **RED, Positive (+)** terminal on the **RIGHT** channel of the amplifier. Connect the **BLACK (-)** terminal of the loudspeaker to the matching **BLACK, Negative (-)** terminal of the amplifier.

Repeat this procedure for the **LEFT** channel.

In the case of the **1020i, 1030i** and **1050i** you may use any convenient Positive (+) or Negative (-) terminal. Refer to the illustration below.



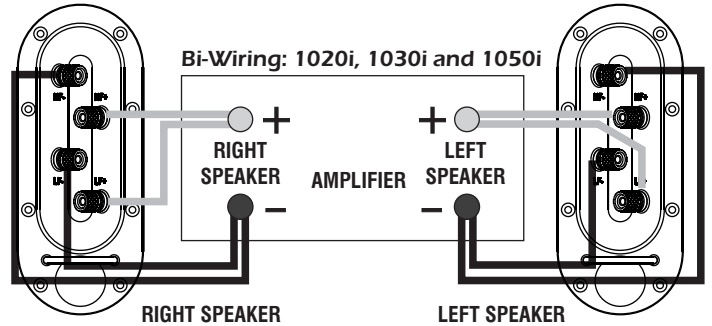
Connecting the 1010i and 1000Ci



Bi-Wiring

Directly connecting the treble and bass networks of a loudspeaker to an amplifier improves both bass performance and dynamic range.

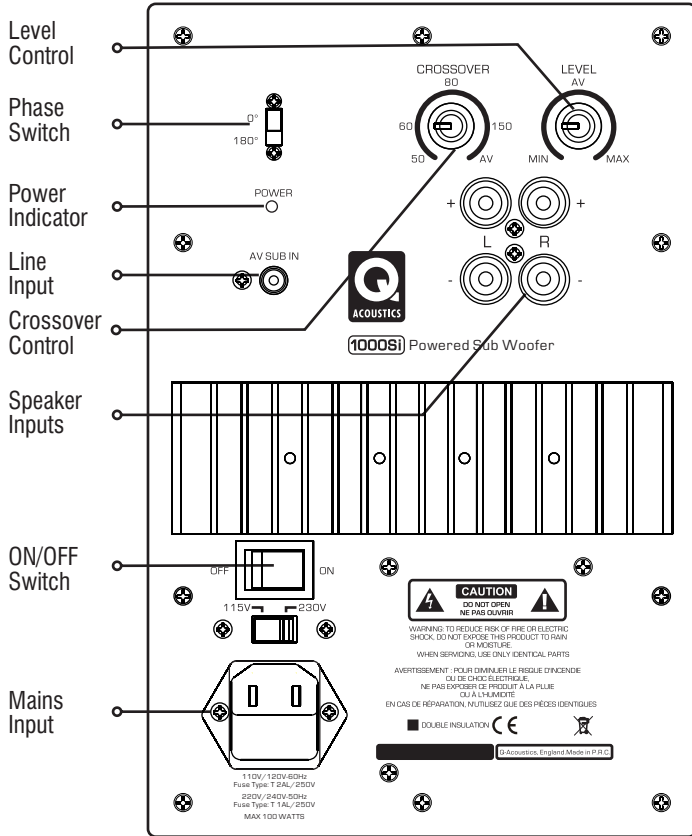
To bi-wire: Prepare two twin cables for each loudspeaker. Unscrew all the loudspeaker terminals and remove both links. Now connect the treble terminals and the bass terminals to the amplifier following the procedure described in Standard Wiring. Refer to the illustration below.



When your speakers are connected: Switch on the system and play some music at moderate level. Fine tune the speaker placement to suit.



1000i Subwoofer



Preliminaries

Unpack the subwoofer following the guidelines given earlier.

The subwoofer is set to the voltage in your area. If you move to an area with a different voltage, take the unit to a qualified technician to have the voltage changed. This is something that you should not do yourself.

Before connecting the subwoofer please make sure that all the active units in your system are switched off at the mains.

Positioning the Subwoofer

Bass frequencies are substantially omnidirectional. Although this means that you can position the subwoofer almost anywhere, the stereo image will still benefit by siting the subwoofer level with the front loudspeakers and as central to the listening position as possible. This may not be feasible in a multichannel system. If you place the subwoofer close to a wall the bass will be re-inforced though in some locations the bass may be boomy and indistinct. Do not place the subwoofer across a corner.

The subwoofer should be positioned close to a mains power source. Do not use extension cables. Purchase a longer power cord if necessary.

The MAINS ON/OFF switch is the means of disconnecting this apparatus from the mains and is mounted on the rear panel. There should be ample free space between the rear of the cabinet and any wall or other object to allow free unrestricted access to this switch.

When siting the subwoofer ensure the floor is sound with no loose floorboards etc. The air movement from the subwoofer at high volumes is substantial - do not place it close to soft furnishings or objects that may rattle. Do not place objects of any kind on the unit.



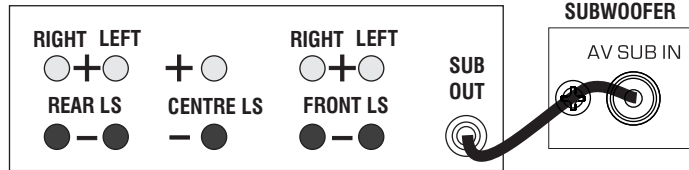
Connecting the 1000i Sub

Subwoofer Connections

Standard Connection via the AV SUB Input

You will need a single RCA phono interconnect. As this cable is likely to be quite long, make sure you get a good quality *fully screened* cable. Your Q Acoustics dealer will be happy to supply you with a suitable interconnect.

AV AMPLIFIER



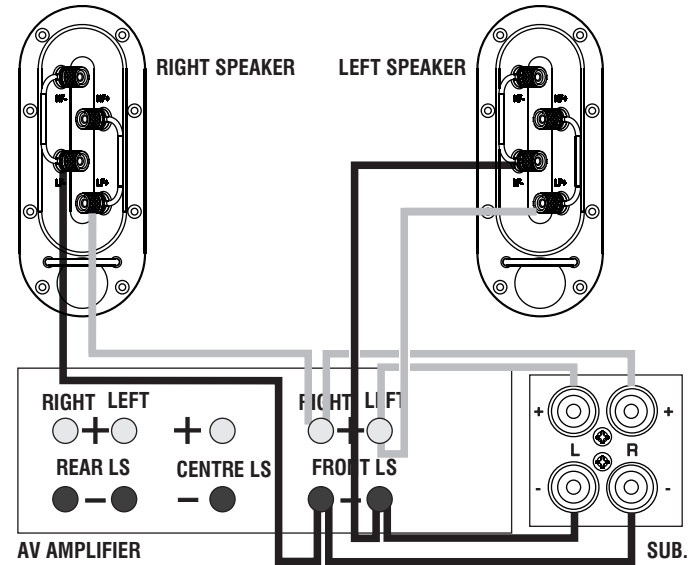
Connect the **SUBWOOFER OUTPUT** on the amplifier to the **AV SUB INPUT** on the subwoofer using a suitable RCA interconnect. Push the plugs firmly home to ensure a good contact.

If you wish to connect the 1000i Sub to a preamplifier or a spare line output on a regular amplifier, do NOT use a Stereo to Mono 'Y' adaptor or your sound system will be set into Mono! Your dealer will advise you about a suitable adaptor. Alternatively, use the High Level connection.

High Level Connections

In this mode the subwoofer is connected to the amplifier together with the Front loudspeakers. This connection should be used **only** if a dedicated subwoofer line output is unavailable.

Never connect to both the high and line level inputs!



Prepare two lengths of twin core loudspeaker cable. Unscrew the high level terminals on the rear of the subwoofer. Connect the **RED (+)** terminal on the **RIGHT** subwoofer input to the **RED, Positive (+)** terminal on the **RIGHT** channel of the amplifier. Connect the **BLACK (-)** terminal on this input to the matching **BLACK, Negative (-)** terminal on the amplifier. Repeat this procedure for the **LEFT** channel. Leave the front loudspeakers connected. The internal circuitry of the subwoofer will combine the front channels to produce a single common bass channel.



1000i Subwoofer - Operation

Switching On

Check that all system connections are properly and securely made.

Ensure that the subwoofer is switched off.

Set the subwoofer level control roughly halfway. Set the crossover control to 70Hz.

Plug the supplied power cord into the subwoofer and then into the mains point. Switch on the power at the mains point and then switch the ON/OFF switch on the subwoofer to ON. The POWER light on the subwoofer rear panel will glow and the subwoofer is operational.

Setting Up and Use

As there is a close relationship between the subwoofer volume, its physical position and the crossover frequency, mutual adjustments to all three may be necessary before the system is fully set up.

Level: The Level Control sets the volume of the subwoofer relative to the other speakers in the system. Set a level that enhances the bass of the system. There should be a seamless blend between the front speakers and the subwoofer. If you can hear the subwoofer it's too loud!

Crossover frequency: Set the crossover control according to the size and low frequency extension of the front speakers. The role of the subwoofer is to extend the bass response of the system and not to increase the overall bass level. If the loudspeakers are large, a value between 50 and 60 Hz is probably about right. With smaller speakers such as the 1010i, this can be increased as far as 90Hz. At higher settings the subwoofer may become intrusive and low level detail and definition may suffer.

As always the final settings should be determined by listening. You should listen to a wide range of music at different volume settings while doing the setup.

When setting up the subwoofer, always bear in mind that the human ear's sensitivity to bass varies enormously with the volume level, hence the need for a wide range of programme material and sound levels.

Phase: The phase switch should be initially set at 0°. As room acoustics and placement are important at very low frequencies the phase may need to be set to 180°. One setting will offer fuller and more extended bass than the other. As the effect can be quite subtle, especially with small loudspeakers where relatively more bass is coming from the subwoofer, extended listening and experimentation may be necessary before the final decision is made.

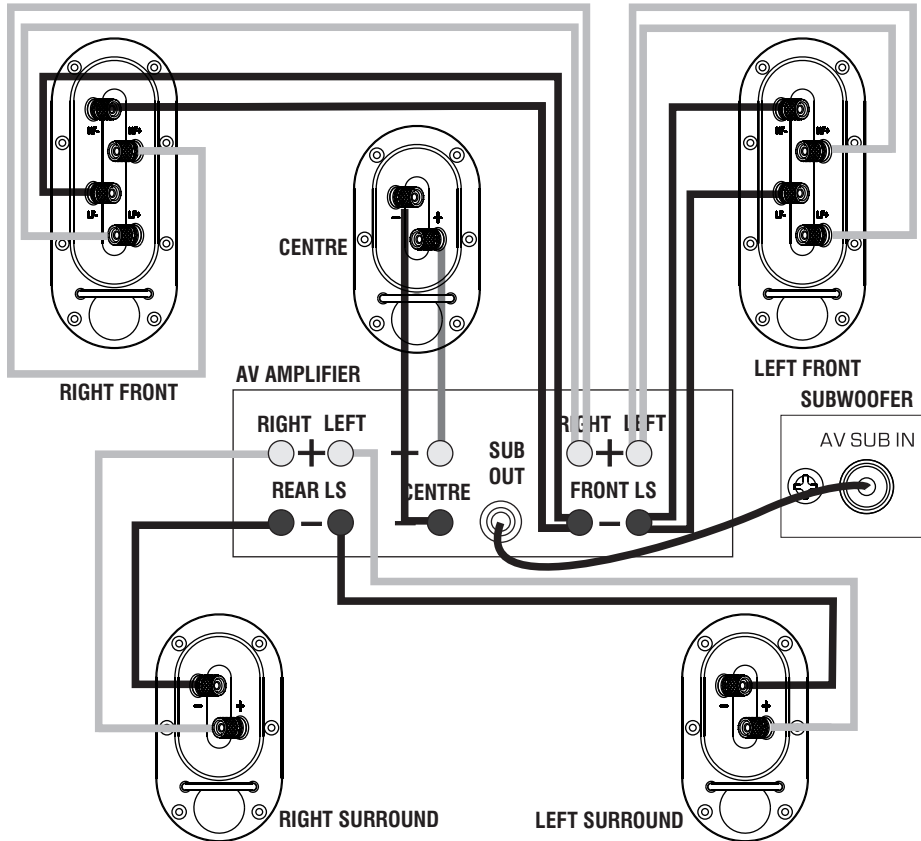
Auto Power On: This feature enables you to switch the main system on and off without having to remember to switch the subwoofer on and off as well.

The 1000Si has a built in level sensor. If there is no input, after a short time the subwoofer will automatically power down into Standby mode. This is indicated by the POWER light on the rear panel changing to red. As soon as the subwoofer senses an input it will automatically switch into operational mode and the power light will again glow green.

Although the subwoofer can be safely be left in standby mode indefinitely, if you are going to be absent from home for a long period, we advise that the unit be switched off at the ON/OFF switch.



5.1 Home Theatre Connections



Home Theatre Connections

The Front Speakers are bi-wired. This is the preferred mode of connection provided the crossover network supports bi-wiring.

The Centre and Surround channel speakers are conventionally wired.

6.1 and 7.1 connections are the same as 5.1 connections with the addition of the extra effects channel/s.

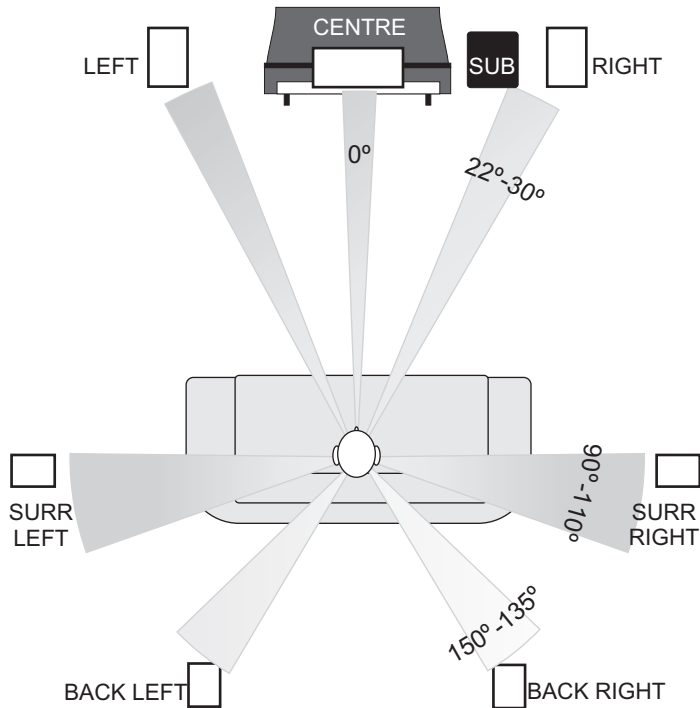
When running loudspeaker cables be especially careful not to run them across open floor areas where they could be a source of danger. Run loudspeaker cables around room boundaries whenever possible.

Line level signal cables should be run apart from mains cables. Never run line level signal cables parallel to power cables especially on long runs.

If the subwoofer is triggered on by appliances switching on and off, re-route the input signal cable before taking further measures.



Home Theatre Topics



Above is the Dolby Labs recommended layout for 7.1 systems. The 6.1 layout is the same except a single central speaker replaces the two back units. The 5.1 layout has no back speakers

Placement: The Front and Centre speakers should be in line. If this is not possible, consult your processor manual for guidance on adjusting relative centre/front delay times. If you have a 5.1 system, the listening seat can be closer to the rear wall. As always, be prepared to experiment.

Bass Management: AV processors offer the choice of 'Large' or 'Small' for the speakers. If you choose 'Large' the speaker receives the full frequency. Choose 'Small' and the bass is sent to the Subwoofer. We recommend you choose 'Small' for the 1000Ci and the 1010i and 1020i wherever they are used in the system. The 1050i should be set to 'Large'. The 1030i would normally be set to 'Large' but you may set it to 'Small' The subwoofer option should be enabled (set to 'ON' or 'YES')

Levels: When the basic system parameters have been established, put your processor into the 'setup' routine. Set up each individual speaker so that the level is the same at the listening position as all the others. If your processor enables you to adjust the delay times, follow the instructions closely as this will profoundly affect the final result. When you play a movie you may think the rear channels are too soft - they aren't! You may however have to adjust the subwoofer level both at the processor and at the subwoofer. Once set, do not re-adjust these levels.

LFE: The LFE channel sends all the bass sound effects to the subwoofer. If speakers are set to 'Small', system bass from those channels is also sent to the subwoofer. If you play the system at extreme levels and/or have the subwoofer level set too high you may overdrive the subwoofer with unpleasant sonic results. If this occurs, reduce the level immediately.

Phase: If your speakers are incorrectly wired the bass will be blurred and thin. In this case, check the wiring carefully. If your speaker wire has a tracer along one core, consistently use the striped core to connect all the positive (RED) terminals. In this way the system will always be in phase.

Always follow the instructions in your AV processor manual!



Care and Cleaning

Cabinet Care

Clean cabinets with a barely damp cloth. The finish is sealed with a high quality sealant so that in normal use there is no need to use solvent based cleaning materials. If the cabinets become stained, remove the stain with a cloth lightly moistened with water, white spirit or isopropyl alcohol depending on the stain. Then lightly buff with a cloth to remove any residue of the cleaning agent. Never use abrasives of any kind.

Grilles

Lightly brush out grilles with a soft brush. Do not remove the speaker grilles unless absolutely necessary.

Drive Units.

Drive units are best left untouched as they are easily damaged when exposed.

Warranty

Q Acoustics loudspeakers are warranted free of defects in materials and workmanship as follows:

Passive Loudspeakers: 5 years from the date of purchase

Active Loudspeakers & Subwoofers: 2 years from the date of purchase

During the warranty period Q Acoustics will, at its option, repair or replace any product found to be faulty after inspection by the company or its appointed distributor or agent.

Misuse and fair wear and tear are not covered by warranty.

Goods for repair should in the first instance be returned to the supplying dealer. If this is not possible the item/s should be sent carriage paid preferably in the original packing, to Q Acoustics or their appointed distributor for your area and accompanied by proof of purchase. Damage sustained by goods in transit to the repair centre is not covered by warranty. Return carriage will be paid by Q Acoustics or their distributor as appropriate.

This warranty does not in any way affect your legal rights.

Appointed Distributor in the UK:

Armour Home Electronics Ltd
Units 7 & 8, Stortford Hall Industrial Park
Bishops Stortford, Herts, UK
CM23 5GZ

**For service information In other countries contact
info@qacoustics.co.uk**



Q Acoustics 1000i Series Specifications

Passive Loudspeakers	1010i	1020i	1030i	1050i	1000Ci
Enclosure type:	2-way reflex	2-way reflex	2-way reflex	2-way reflex	2-way reflex
Bass Unit (mm):	100 mm	125 mm	165 mm	2 x 165 mm	2 x 100mm
Treble Unit (mm):	25 mm	25 mm	25 mm	25 mm	25 mm
Frequency response: (± 3dB):	68Hz - 20 kHz	65Hz - 20 kHz	48Hz - 20 kHz	44Hz - 20 kHz	75Hz - 20 kHz
Nominal Impedance:	6 Ω	6 Ω	6 Ω	6 Ω	6 Ω
Minimum Impedance:	4 Ω	4 Ω	3.6 Ω	3.8 Ω	4.7 Ω
Sensitivity (2.83v@1m):	86dB	88dB	90dB	92dB	89dB
Recommended amplifier power:	15 - 75W	25 - 75W	25 - 100W	25 - 150W	25 - 100W
Crossover frequency:	2.5 kHz	2.8 kHz	2.7 kHz	2.4 kHz	2.8 kHz
Effective volume:	3.4 litres	7.0 litres	17.7 litres	35.7 litres	5.2 litres
Cabinet dimensions (HxDxW mm):	H215 x D195 x W150	H250 x D265 x W175	H900 x D295 x W195	H975 x D295 x W195	H150 x D195 x W425
Weight (per cabinet):	2.8 Kg	4.0 Kg	15.5 Kg	17.8 Kg	5.5 Kg

1000Si Active Subwoofer

Enclosure type:	Ported
Bass Unit (mm):	200 mm long throw
Amplifier power:	100 Watts
Crossover frequency:	45Hz - 175Hz (var.)
Cabinet dimensions (HxDxW mm):	H330 x D350 x W320
Weight :	11.0Kg



www.qacoustics.co.uk

