

Elite series



FM Stereo Tuner

Stereo Pre-Amplifier

CDP CD Pre-Amplifier

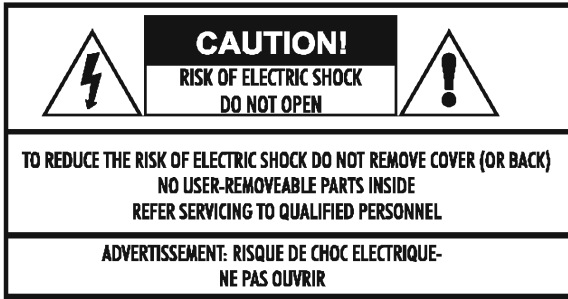
CDS Compact Disc Player

Owner's Manual

QUAD

the closest approach to the original sound

IMPORTANT SAFETY INFORMATION



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

ELECTRICAL INFORMATION

MAINS SUPPLY AND SAFETY

Mains Supply: The mains operating voltage of all QUAD Elite series units is shown on the rear panel. If this voltage does not match the mains voltage in your area, consult your QUAD dealer about converting the unit.

The mains supply fuse on the rear panel is accessible when the IEC mains plug has been removed. In the rare event that it has broken, check for any obvious cause before replacing the fuse with one of the correct rating and type. The fuse values are:

QUAD Elite Pre-amplifier

220 - 230V (UK, Korea, etc.) T1.0AL 20mm Slow Blow

100 - 120V (USA, Japan, etc.) T2.0AL 20mm Slow Blow

QUAD Elite CDP and CDS Compact Disc Player

220 - 230V (UK, Korea, etc.) T315 mA 20mm Slow Blow

100 - 120V (USA, Japan, etc.) T630 mA 20mm Slow Blow

Note: An AC convenience outlet is provided on the QUAD Elite Pre. Only double insulated audio equipment may be connected to this outlet. The load must not exceed 500w. QUAD 606, 306, 405 and 303 amplifiers must not be connected to this outlet but to a grounded AC mains point.

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.

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

WARNING: The battery (battery or batteries or battery pack) shall not be exposed to excessive heat such as sunshine, fire or the like.

Attention should be drawn to environmental aspects of battery disposal.

Use of the apparatus in moderate climates.



Protective earthing terminal. The apparatus should be connected to a mains socket outlet with a protective earthing connection.



This label tells you that the unit contains a Laser component. Opening the unit will expose the user to radiation from the laser beam.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception, which can be determined by tuning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Re-orientate or re-locate the receiving antenna. Increase the separation between the equipment and the receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

-- Laite on liitettävä suojamaadoituskäyttötilalla varustettuun pistorasiaan. (For Finland only)

-- Apparatet må tilkoples jordet stikkontakt. (For Norway only)

-- Apparaten skall anslutas till jordat uttag. (For Sweden only)

WARNING: The mains plug/appliance coupler is used as disconnect device, the disconnect device shall remain readily operable.

QUAD

ELITE

USER GUIDE

Elite PRE

Elite FM

Elite CDP

Elite CDS

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INTRODUCTION

The Quad Elite series is a matched range of equipment which can be connected using the Quadlink system. Please read this manual fully before you begin to install and use the equipment.

Product Registration and Warranty

QUAD equipment is guaranteed against any defect in material and workmanship for a period of one year from the date of purchase. Proof of purchase is required for Warranty claims.

Please complete and return the enclosed Warranty Registration form. Within the warranty 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 warranty.

QUAD carries out regular reviews and reserves the right to adjust the specifications and performance from time to time.

UNPACKING THE EQUIPMENT

The Elite Pre-Amplifier carton contains:

- Elite Pre-Amplifier
- Elite System Remote Control
- One IEC mains lead
- One Quadlink cable

- Elite System Instruction Manual
- Warranty Registration Form.

The CDP and the CDS CD player cartons each contain:

- Elite CDP or CDS Compact Disc Player
- One IEC mains lead
- One RCA stereo phono connecting cable
- CD-Remote Control Handset with batteries.
- Elite System Instruction Manual
- Warranty Registration Form

The FM Tuner carton contains:

- Elite FM Stereo Tuner
- One Quadlink cable.
- Warranty Registration Form.

Consult the dealer from whom you purchased the equipment if any of these items are not present.

Carefully unpack all the units and accessories. Take care not to damage the surface finish when undoing the protective polythene sleeve. Retain the packing materials for future use.

Retain the user manual and information concerning the date and place of purchase of your equipment for future reference. If you transfer any unit to a third party please pass on this instruction manual along with the equipment.

INSTALLATION

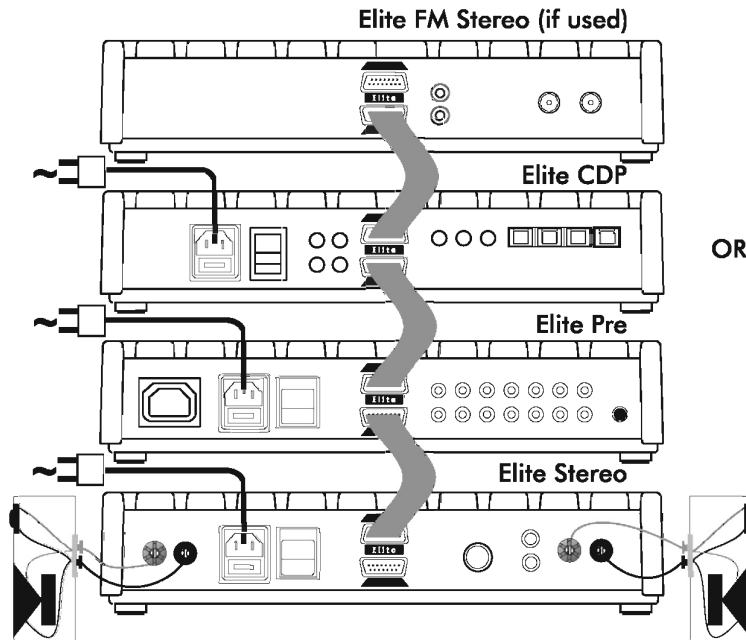
Connecting Elite Series Units

Place the Quad Elite system components in the order shown in

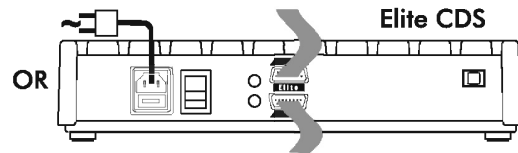
the typical system diagrams on this page and the next page.

Before connecting any units, ensure that the mains switches on the rear panels of ALL units are OFF and that the power is off at the mains sockets.

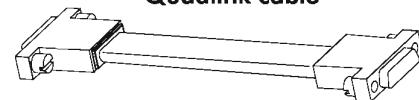
THE QUAD ELITE SYSTEM



Connect the units together with the special Quadlink cable supplied with each unit. Starting with the lowest unit, connect the upper socket of the lower unit to the lower socket of the next unit above until you have a daisy chain.

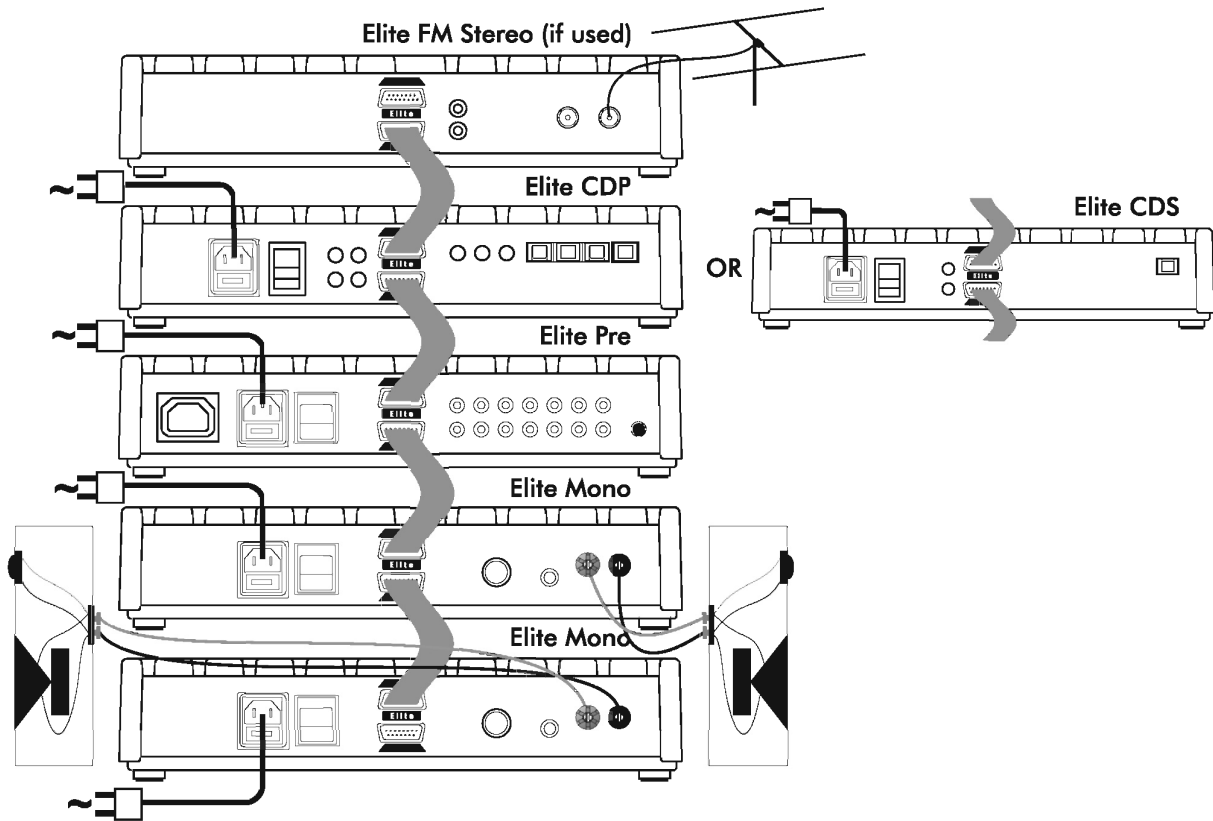


Quadlink cable

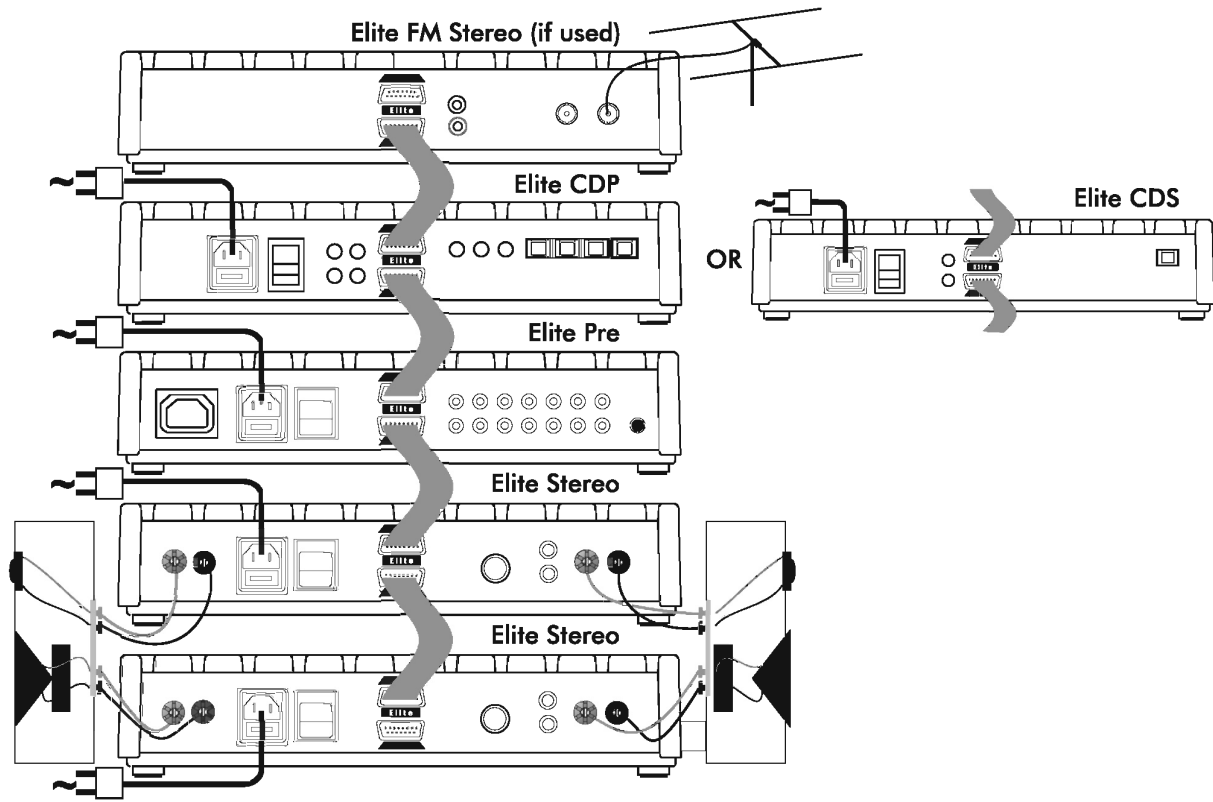


IMPORTANT NOTE: ONLY Quad Elite and 99 Series units may be interconnected via the Quadlink system. Other QUAD equipment **must** be connected to Elite system components via the RCA sockets (see P 5).

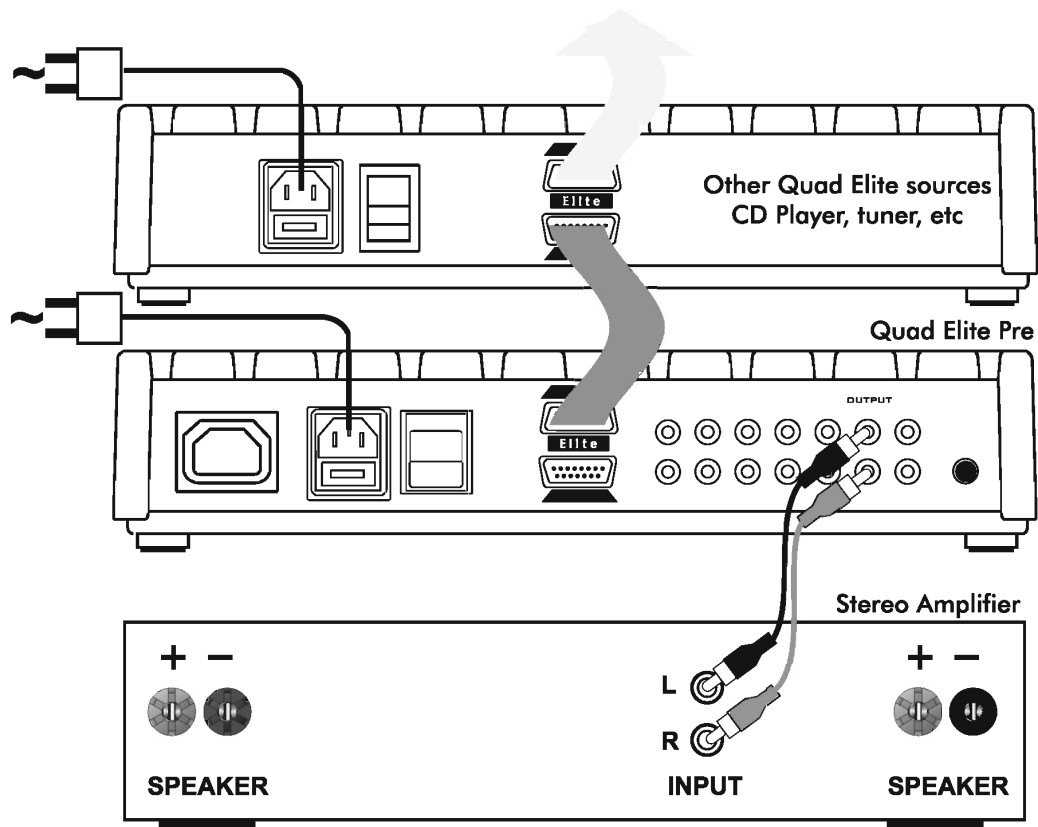
HIGH POWER SYSTEM WITH TWO ELITE MONO AMPLIFIERS



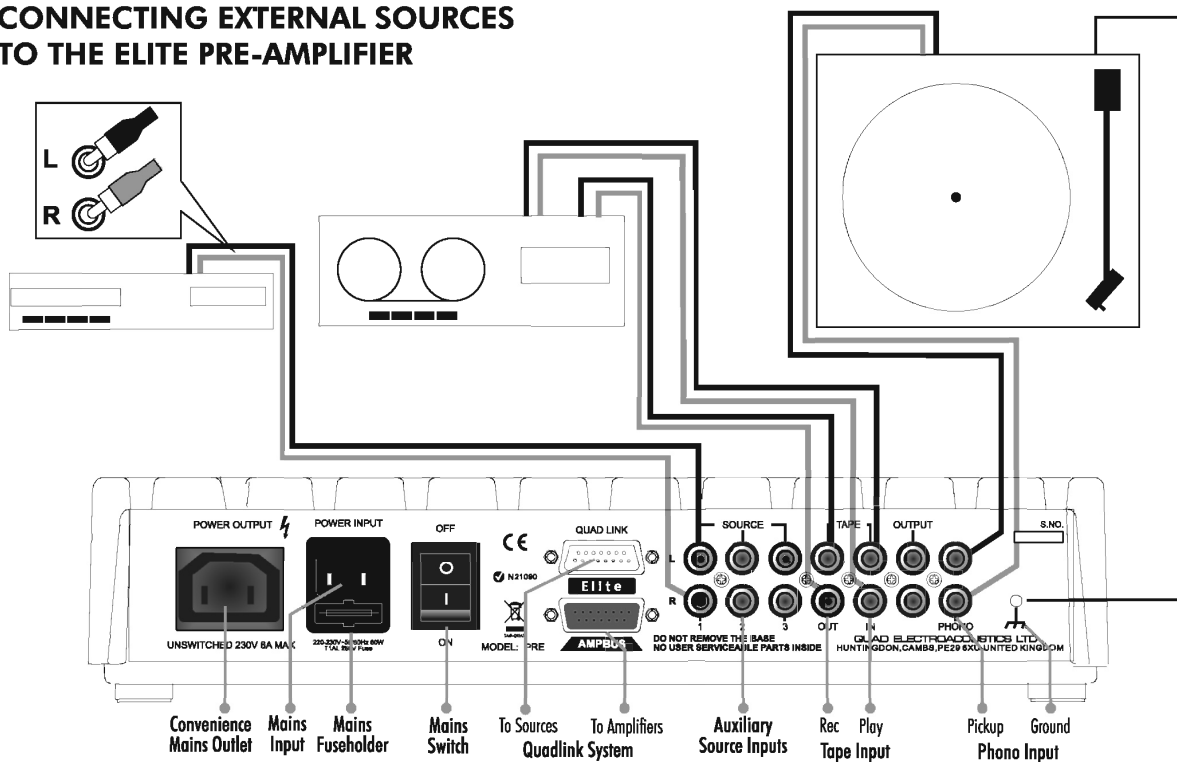
BI-AMPLIFIED SYSTEM WITH TWO QUAD ELITE STEREO POWER AMPLIFIERS



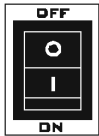
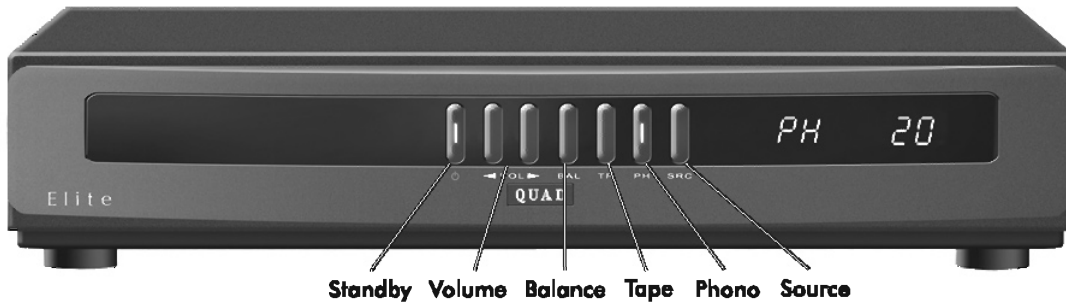
CONNECTING THE QUAD ELITE PRE-AMPLIFIER TO A NON-QUAD ELITE SERIES POWER AMPLIFIER



CONNECTING EXTERNAL SOURCES TO THE ELITE PRE-AMPLIFIER



THE QUAD ELITE PREAMPLIFIER



MAINS SWITCH

The Mains Switch is on the rear panel. The pre-amplifier should normally be left switched on and put into standby when not in use. If you are likely to leave it unattended for long periods, switch the unit off and unplug the cord at the mains point.



BALANCE

To change the channel balance press Balance once. Adjust the balance using the Volume buttons. After a few seconds the display reverts to the volume level.

Balance Central	PH bA--
Bal. at extreme Right	PH bA-9
Bal. at extreme Left	PH bA9-

BASIC FRONT PANEL OPERATION

Basic operation may be carried out from the Front Panel. Advanced functions are available via the system handset.



STANDBY

Pressing the Standby button switches the unit (and all connected Elite units) in and out of standby. The Standby button glows white when the unit is active and red when it is in the standby mode.



TAPE MONITOR

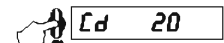
Press Tape to listen to a tape recording. Press Tape again to deselect the Tape function.

Tape Monitor ON	tP on
Tape Monitor OFF	tP OFF

When Tape is selected the Monitor light comes on with the display. After a few seconds the display reverts to show the source input but the Monitor light stays on. When Tape is deselected this light goes off.

Only when the Tape Monitor light is off will you be able to listen to other sources e.g. CD.

To record a source:



Select the source

During recording:

Standard Recorder: (CD recorder, minidisc, 2 head tape recorder, etc). The tape monitor light should be off.

Three Head Tape Deck:

Monitor light off - listen to the source.

Monitor light on - listen to the tape recording.

Consult your recorder handbook for full details.



SELECTING A SOURCE

Repeatedly press the Source button to scroll through all inputs in the sequence below.

INPUT		DISPLAY
Aux 1	A1	
Aux 2	A2	
Aux 3	A3	
CD	Cd	
Phono	PH	
Tuner	tU	



PHONO INPUT

Press the Phono button to select the turntable (record player) input. There are settings for Moving Coil and Moving Magnet cartridges. When initially pressed the button displays either PH (moving coil) or PL (moving magnet). To change the setting hold down the Phono button for 5 seconds.



VOLUME

The Volume buttons increase and decrease the volume level. Maximum volume is reached when the display reads "32". If the sound appears distorted at any time, reduce the setting.



ELITE REMOTE CONTROL HANDSET

Introduction

Most of the controls available on the front panel are also available on the Elite System Handset. However some features of the Elite system are available only from the handset. Generally it will be found more convenient to operate the Elite system from the System Handset

Fitting and Replacing Batteries

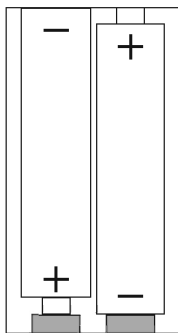
To fit the batteries, open the compartment cover on the rear of the handset. Fit the supplied AAA batteries in the correct alignment as printed in the battery compartment.

When the operation of the handset becomes uncertain or when it becomes necessary to hold the handset close to the Pre-Amplifier, the batteries may need replacement. Always replace batteries with the correct size and type. Old batteries should be safely disposed of.



HANDSET KEYPAD

BATTERY COMPARTMENT



SYSTEM HANDSET FUNCTIONS

STANDBY : Press to activate all Elite units. The display shows the system as it was when last used.
PH 20

CD: Selects **only** the Elite CDP, or CDS
Cd 20

TUNER: Selects **only** the Elite FM Stereo.
tU 20

PHONO: Selects the turntable
PH 20 or **PL 20**

TAPE: Toggles the Tape Monitor on and off
tP on ↔ **tP off**

AUX1: Select Aux 1
A1 20

AUX2: Select Aux 2
A2 20

AUX3: Select Aux 3
A3 20

MUTE: Press to set system volume to 0. Press to restore. When Mute is on the display flashes:
Cd ---- ↔ **Cd 20**

VOLUME:
 Press the upper Volume button to increase the volume.
 Press the lower volume button to decrease the volume.

BALANCE:
 Press the upper balance button to adjust the Balance to the Right
 Press the lower balance button to adjust the Balance to the Left.

BASS: There is one setting of boost and one of cut.
 Press the upper button to boost the bass. **BOOST** **Cd b5r r**
 Press the lower button to cut the bass. **LEVEL** **Cd b5 - -**
CUT **Cd b5 ^ ^**

Note: **Before** the Bass or any tone control is operated, the EQ function must first be enabled.
 See **EQ**

PLAY: QUAD ELITE CDP, CDS only
Play a CD

STOP: QUAD ELITE CDP, CDS only
Stop a CD while playing

PAUSE: QUAD ELITE CDP, CDS only
Pause a CD while it is playing

OPEN/CLOSE: ELITE CDP, CDS only
Open and close the CD drawer

NUMBER KEYPAD:
Choose a track - ELITE CDP, CDS only
Choose a preset station - ELITE FM STEREO

STORE:
Store a track or program - ELITE CDP, CDS
Store a station - ELITE FM STEREO

REPEAT:
Repeat a CD from the start - ELITE CDP CDS

NEXT:
Move up to the next track - ELITE CDP, CDS
Move up to the next preset - ELITE FM STEREO

PREVIOUS:
Move to the previous track - ELITE CDP, CDS
Move to the previous preset - ELITE FM STEREO

TILT:
Use this to adjust tonal balance - ELITE PRE EQ

STEREO/MONO:
Force mono reception on/off - ELITE FM STEREO

SEARCH UP:
Fast forward through tracks - ELITE CDP, CDS
Search and tune a station - ELITE FM STEREO

SEARCH DOWN:
Fast reverse through tracks - ELITE CDP, CDS
Search and tune a station - ELITE FM STEREO

FILTER:
Toggle treble cut on/off EQ

CABLE/ANTENNA: - ELITE FM STEREO
Select standard or cable aerial input

TUNE UP:
Scroll through digital inputs - ELITE CDP
Manually tune a station - ELITE FM STEREO

TUNE DOWN:
Scroll through digital inputs - ELITE CDP
Manually tune a station - ELITE FM STEREO

SENSITIVITY:
Adjust Line/Phono sensitivity - ELITE PRE

EQUALISATION:
Enable/disable tone controls - ELITE PRE.
EQ **must** be enabled for tone controls to operate.

ADVANCED HANDSET OPERATION

The basic functions of the QUAD Elite Pre (Volume, Input selection, and tape monitor) have been described in previous sections. This section deals with advanced settings and operation.

ALTERING THE PHONO SENSITIVITY

To minimise noise and distortion, a phono cartridge needs to be matched to the pre-amplifier input. There are three sensitivity levels. To alter the sensitivity, press Phono and then press the Sens button repeatedly to cycle between them. The settings and displays are shown below.

<input type="checkbox"/> PHONO	MC Input 775 μ V	MC Input 300 μ V	MC Input 100 μ V
	PH .775	PH .300	PH .100
<input type="checkbox"/> SENS	MM Input 7.75mV	MM Input 3.00mV	MM Input 1.00mV
	PL 775	PL 300	PL 100

ALTERING THE LINE LEVEL INPUTS

Source units can differ widely in output levels. This may cause large volume swings when switching between sources. To help minimise these swings the input sensitivity of Aux 1, Aux 2, Aux 3 and Tape can be altered.

Three sensitivity levels are available. To alter the sensitivity of the Aux inputs, press the required input and press the Sens button repeatedly to cycle between them.

<input type="checkbox"/> AUX	Aux 1 Input 775mV	Aux 2 Input 300mV	Aux 3 input 100mV
	A1 775	A2 300	A3 100

ALTERING THE TAPE SENSITIVITY

Three sensitivity levels are available. To alter the sensitivity of the Tape input, press Tape and press the Sens button repeatedly to cycle between the settings which are the same as the line level inputs.

TAPE

+

SENS

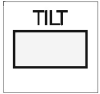
TONE CONTROLS

For a detailed explanation of the tone controls see the end of this section.



SELECTING EQ (EQUALISATION)

Equalisation must be set to ON for the functions described below to work. When EQ is off the tone controls are bypassed and the pre-amplifier response is set "Flat".



TILT

Press to cycle through the seven different settings. The displays are shown below.

	MIN	MED	MAX
BASS LIFT	[Cd] [tL] [1]	[Cd] [tL] [2]	[Cd] [tL] [3]
TREBLE CUT	[Cd] [tL] [1]	[Cd] [tL] [2]	[Cd] [tL] [3]

	MIN	MED	MAX
BASS CUT	[Cd] [tL] [1]	[Cd] [tL] [2]	[Cd] [tL] [3]
TREBLE LIFT	[Cd] [tL] [1]	[Cd] [tL] [2]	[Cd] [tL] [3]

NO TILT [Cd] [tL] [0]



BASS: There is one setting of boost and one of cut.



Press the upper button to boost the bass.

BOOST [Cd] [bS] [1]



Press the lower button to cut the bass.

LEVEL [Cd] [bS] [--]

CUT [Cd] [bS] [1]



FILTER:

Press Filter to toggle the treble cut filter on and off.

[Cd] [FL] [on]

[Cd] [FL] [--]

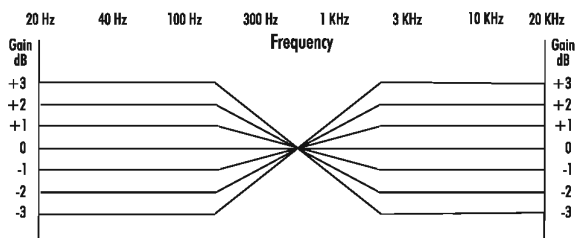
APPENDIX 1

WHAT THE TONE CONTROLS DO.

QUAD tone controls are designed to overcome problems of tonal balance without adding distortion. The tone controls should be operated via the handset but they can be operated from the front panel as shown in Appendix 2. The tone controls are only active when the Equalisation function is enabled.

Tilt

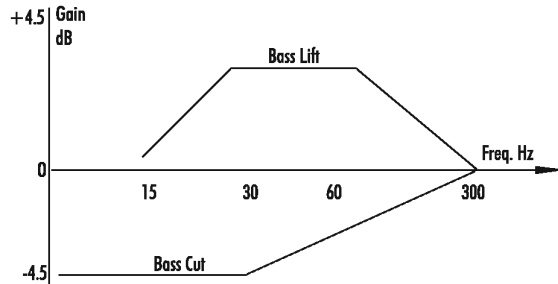
Tilt shapes the frequency response about a central point. There are six settings and flat. Tilt allows you to add warmth or life to a recording. The graph shows the shape of the different settings:



Bass Contour

The Bass control has one position of lift and one of cut. This can be used to rectify deficiencies in a recording or to compensate for poor room acoustics, e.g. where speakers are placed too close to a corner, etc.

Bass Contour



Treble Filter

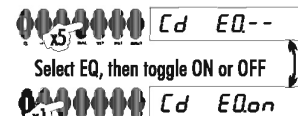
The Treble Filter gently rolls off frequencies above 7 KHz. It will help to reduce the effects of excessively bright recordings, and hiss and scratches on older (particularly vinyl) records.

APPENDIX 2

FRONT PANEL OPERATION OF THE TONE CONTROLS

Setting the Equalisation

Press Balance five times until "EQ" is displayed and then press either Volume button to toggle the EQ on or off.



If the EQ function is off the tone controls cannot be adjusted.

Operating the Tilt Control

Ensure EQ is enabled



Press BAL twice



Press VOL> to slope Tilt up



Press <VOL to slope Tilt down



Adjusting the Bass

Ensure EQ is enabled



Press BAL three times



Press VOL> to select Bass Boost



Press <VOL to select Bass Cut



Operating the Treble Filter

Ensure EQ is enabled



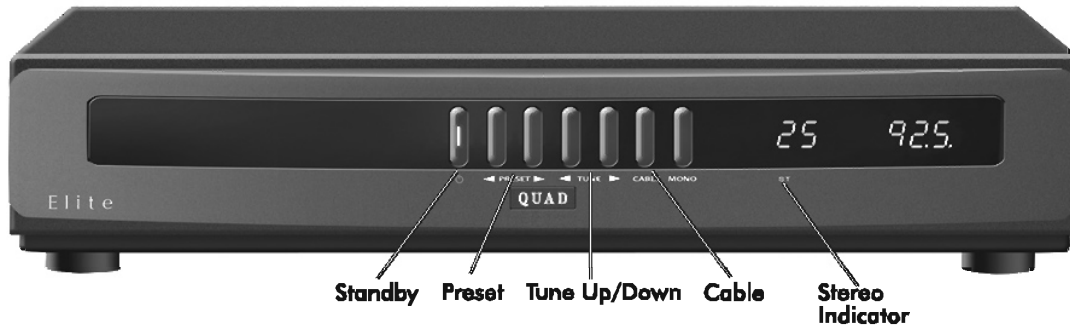
Press BAL four times



Press <VOL> to toggle the Filter on and off



THE QUAD ELITE FM STEREO TUNER



Connecting an Aerial

There are two 75Ω co-axial sockets on the rear panel for aerial or cable signals.

There are two types of Aerials in current use.

Regular Aerials: The performance of your aerial is the performance of your tuner. Ideally you should use a professionally installed multi-element FM aerial mounted on the roof, or in the loft. If you are close to a transmitter, you may be able to use an indoor aerial, but reception may be noisy and distorted, particularly in stereo.

Cable: This is typically a boosted FM signal provided by cable or satellite operators. The Cable input sensitivity is specially tailored to accept these boosted signal levels.

If you plug a normal aerial into the cable input, you will lose much of your signal strength. Plugging a cable feed into the aerial input may cause input overload and distortion.

Line Output Connections

There is a line level phono output available for direct connection to the input of a DAT, CD or tape recorder.

FRONT PANEL OPERATION

Tuning and Signal Displays

This indicates the preset number of the chosen station

This indicates the frequency* of the chosen station



*Frequencies are displayed in MHz. As the tuner scans in 50kHz steps, the final dot indicates that the frequency is 50kHz above that displayed: (i.e 92.55 MHz is shown as 92.5).



STANDBY

Press the Standby button to bring the Elite system into and out of Standby. The Standby light is white when operational and red in Standby.



SELECTING AN AERIAL

Press the Cable button on the front panel to toggle between the Standard input and the Cable input. When the Cable button is illuminated, the Cable input is selected.

TUNING A STATION



Give a short press to tune manually in decreasing frequencies.



Give a short press to tune manually in increasing frequencies.

A short press on the button as indicated will tune up or down the band in 50kHz steps.



Give a long press to auto-tune in decreasing frequencies.



Give a long press to auto-tune in increasing frequencies.

Press and hold the button briefly as indicated and the tuner will scan up or down in increments of 50kHz until a station is detected. The scan will then stop and the station will play.

When the scan is in progress: Press either tune button once to stop the scan.



FORCED MONO OPERATION

20 102.5

Press the MONO button. The stereo indicator will extinguish. The indicator on the MONO button will now light. If the station is broadcasting mono, pressing the MONO button has no effect.



STORING A STATION IN A PRESET

Repeatedly press a preset button to select the number. 20 102.5



Tune in the station 20 92.5



Hold down one preset button 20 ---

The display flashes dashes alternating with the frequency 20 92.5

The display then changes to: 20 PRESET



Release the Button. The Preset is now stored. 20 92.5

To play a preset station: Repeatedly press a Preset button until you reach the desired number.

To re-allocate a preset: Repeatedly press a Preset button until you reach the desired number. Tune and store the new station using the procedure described above.

HANDSET OPERATION OF THE TUNER



STANDBY

Press Standby to activate all Quad Elite units. The display shows the system as it was when last used.



Press Tuner to select the Elite FM Stereo Tuner.



SELECTING AN AERIAL

Press the CABLE/ANT button to toggle between Cable and Aerial inputs.



MANUAL TUNING

Repeatedly press a button to advance the tuning in 50kHz steps.



Keep the button pressed to speed up the scan.
Release the button to stop the scan

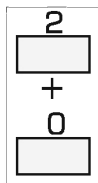


AUTO TUNING

Press the key once to start the search in the desired direction.



When the tuner detects a station it will stop.
Press a key to resume the search if needed.



SELECTING A PRESET USING NUMBER KEYS

Enter a required number (from 1 - 25)

If you start by pressing '1' or '2' the display will briefly wait for you to press another number before selecting the station.

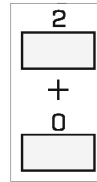


SELECTING A PRESET WITH NEXT/PREVIOUS

Press NEXT to choose the next number up



Press PREVIOUS to choose the next number down.



STORING A STATION IN A PRESET

Choose a preset

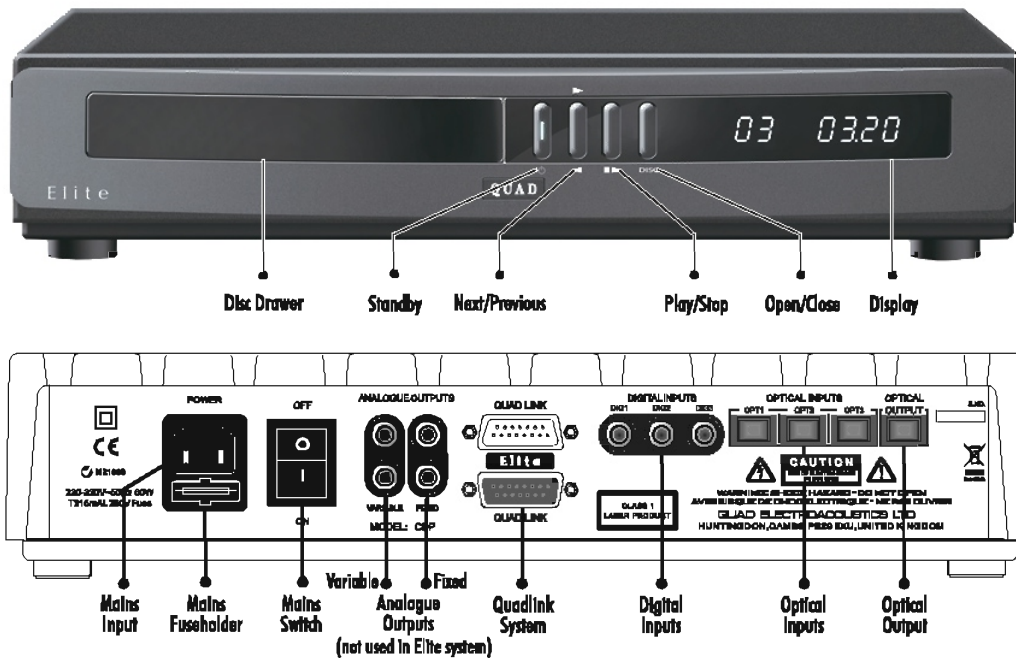


Tune in the desired station.



Press STORE to store the preset.

USING THE CDP COMPACT DISC PLAYER IN AN A QUAD ELITE SYSTEM



DIGITAL CONNECTIONS

The CDP accepts three optical and three digital inputs. Minidisc and DAT players, or Digital Audio Broadcast tuners (DAB) will be significantly improved by connecting their digital outputs to the CDP. The CDP can accept incoming PCM digital signals to a maximum resolution of 24bit/96kHz.

The stereo output of DVD players can be enjoyed at higher levels of fidelity by connecting the digital or optical output of the DVD player to the relevant input of the CDP. In the DVD player's menu, the digital output option should be set to 'PCM'.

Digital Inputs: These are via single 75 ohm RCA phono leads connected between source and the CDP. Your dealer will be able to supply you with a suitable digital RCA phono cable.

Optical Input: The optical inputs are blanked off when not in use. Remove the blanking plug from the chosen input of the CDP and the source component and connect an optical Toslink cable between them. Retain the plugs for future use.

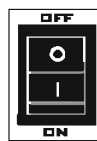
Optical Output: This is a Toslink output for connection to a unit having an onboard Digital to Analogue Converter(DAC)

OPERATION

The CDP may be operated from the front panel or the remote handset. The front panel controls allow basic operation; handset operation is required for the advanced features.

The CDP is supplied with a dedicated handset. Virtually all the functions of this handset are available with the system handset with the exception of Random play and Display Off. We suggest you use the Elite system handset unless these functions are essential for your listening pleasure.

When you load a CD the player has to determine the format before it can display track /time information. This takes 2 - 8 seconds during which the mechanism will whirr. This noise will also occur when you open and close the drawer without inserting a CD, and is normal.



MAINS SWITCH

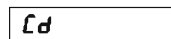
The Mains Switch is on the rear panel. The unit should normally be left in standby when not in use. If you are likely to leave the system unattended for long periods, switch off and unplug the cord.

FRONT PANEL OPERATION



STANDBY

Depress the Standby button to bring all Elite system units into and out of Standby.



The Display briefly shows the default input (CD)



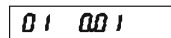
LOADING A CD

Press the DISC button. The disc drawer will open. Load a disc label side up into the tray. Press DISC again to close the drawer.



PLAYING A CD

Press Play. Play will commence from Track 1.



SELECTING A TRACK

To go forward: Press the upper part of the Next/Previous key. The player will go to the start of the next track.



To go back: Press the lower part of the Next/Previous key once. The CD will go to the start of the previous track.



STOPPING A CD WHILE PLAYING

Press PLAY. The disc will stop

HANDSET OPERATION OF THE CDP



STANDBY

Press STANDBY to activate all Elite units. The display shows the system as it was when last used.



CHOOSING AN INPUT

Press CD. Pressing CD will always select the CD and deselect all digital sources.



To choose a Digital or Optical input:

Press the CD button.



Press the TUNE UP or TUNE DOWN buttons. This will cycle the digital inputs in the order: Dig 1, Dig 2, Dig 3, Opt 1, Opt 2, Opt 3.

Digital Indications: Suppose Dig 1 is selected:

The input and the sampling frequency is briefly displayed



If the source is disconnected or switched off:

The display flashes 'No Signal' twice, and reverts



When you select a digital input, the CDP will look for a digital stream to lock onto. If, after the input is selected you switch the digital source off this lock will be defeated. If you wish to confirm whether a digital signal is present, reselect the input.



LOADING A CD

Select CD.

Open the drawer. Place a CD (label side up) in the drawer. Close the drawer.

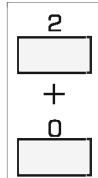


The display determines and displays track and time information



PLAYING A CD

Press PLAY. Play will commence from track 1



SELECTING A TRACK

Select a track number. Press Play



SKIPPING A TRACK

Press once to go to the start of the next track. Press repeatedly to go forward several tracks.



Press once to go to the start of the previous track. Press repeatedly to go back several tracks.



If you press NEXT during the final track:

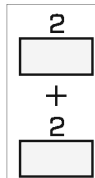


FORWARD AND REVERSE SEARCH

Press and hold to search forward. At the end of the track the search stops.



Press and hold to reverse search. The search stops at the start of the track.



CHANGING TRACKS DURING PLAY

Select the new track from the number keypad. You do not need to press PLAY.

If there are 10 tracks or more on a disc, when selecting a single digit track the CDP will wait briefly for a second digit if appropriate. If none is entered the track will start.

If you try to select a track number that is unavailable, the CDP briefly indicates this. If a track is currently playing it will keep on playing the track. If the disc is stopped, nothing will happen.



RE-STARTING A TRACK DURING PLAY

Press PLAY



PAUSE

Press PAUSE. The track will pause



Press PAUSE again to resume play.



STOPPING THE DISC

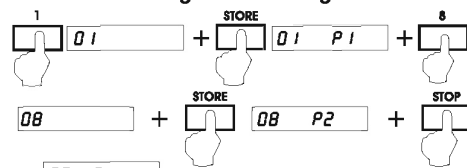
Press STOP



PROGRAMMING A DISC

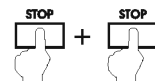
You can customise the number and the play order of tracks in a program This function is only available when the disc is stopped.

EXAMPLE: Storing a 2 track Program



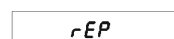
To Erase a program:

Press STOP twice

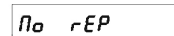


TO REPEAT PLAY A DISC

Press REPEAT.



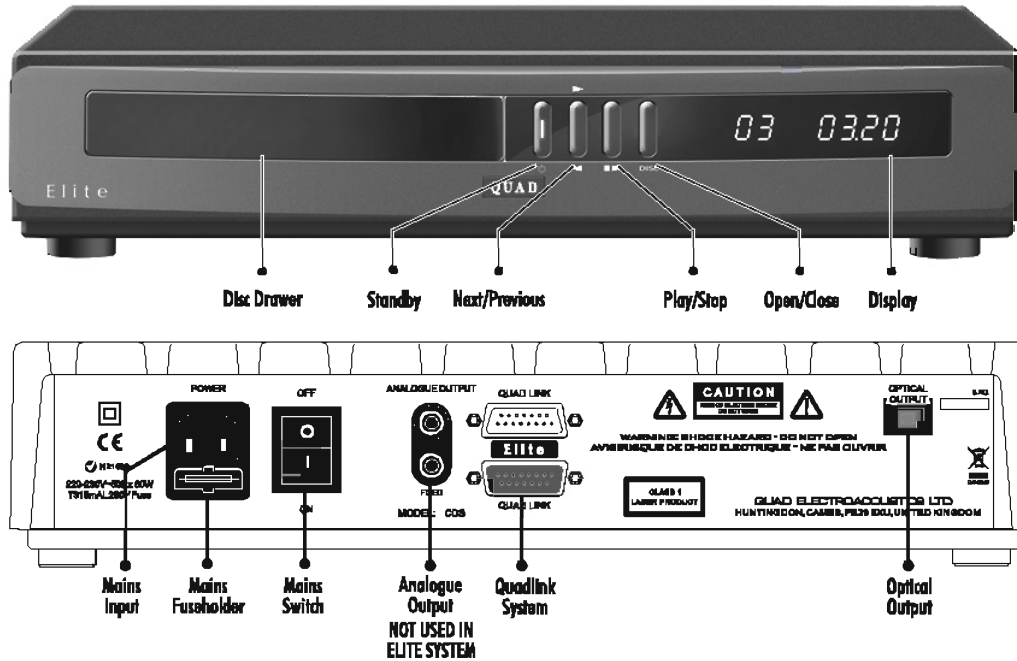
To Cancel Repeat: Press REPEAT again.



The disc will play from that point and stop.

To repeat a track or tracks: Make a program of one or more tracks as described above. Press REPEAT to repeat the program.

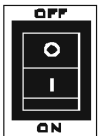
USING THE CDS COMPACT DISC PLAYER IN A QUAD ELITE SYSTEM



OPERATION

The CDS may be operated from the front panel or the remote handset. The front panel controls allow basic operation; handset operation is required for the advanced features.

The CDS is supplied with a dedicated handset. Virtually all the functions of this handset are available with the Elite system handset with the exception of Random play and Display Off. We suggest you use the Elite system handset unless these functions are essential for your listening pleasure.



MAINS SWITCH

The Mains Switch is on the rear panel. The unit should normally be left in Standby when not in use. If you are likely to leave the system unattended for long periods, switch off and unplug the cord.



PLAYING A CD

Press Play.

Play commences from track 1.

01 001



SELECTING A TRACK

To go forward: Press the upper part of the Next/Previous key. The player will go to the start of the next track.



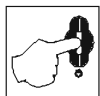
To go back: Press the lower part of the Next/Previous key once. The CD will go to the start of the previous track.



STOPPING A CD WHILE PLAYING

Press PLAY. The disc will stop.

FRONT PANEL OPERATION



STANDBY

Depress the Standby button to bring all Elite system units into and out of Standby.



LOADING A CD

Press the DISC button. The disc drawer will open. Load a disc label side up into the tray. Press DISC again to close the drawer.

LoRd → 23 6820

HANDSET OPERATION OF THE CDS



STANDBY

Press STANDBY to activate all Quad Elite units. The display shows the system as it was when last used.



LOADING A CD

Select CD.

Open the drawer. Place a CD (label side up) in the drawer. Close the drawer.

The display determines and displays track and time information



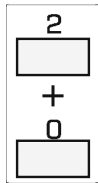
LoRd → *23 6820*



PLAYING A CD

Press PLAY. Play will commence from track 1

01 001



SELECTING A TRACK

Select a track number. Press Play



SKIPPING A TRACK

Press once to go to the start of the next track. Press repeatedly to go forward several tracks.



Press once to go to the start of the previous track. Press repeatedly to go back several tracks.



If you press NEXT during the final track:

23 LAST → *23 023*

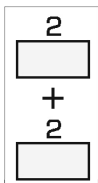


FORWARD AND REVERSE SEARCH

Press and hold to search forward. At the end of the track the search stops.



Press and hold to reverse search. The search stops at the start of the track.



CHANGING TRACKS DURING PLAY

Select the new track from the number keypad. You do not need to press PLAY.

If there are 10 tracks or more on a disc, when selecting a single digit track the CDS will wait briefly for a second digit if appropriate. If none is entered the track will start.

If you try to select a track number that is unavailable, the CDS will briefly indicate this. If a track is currently playing it will keep on playing the track. If the disc is stopped, nothing will happen.



RE-STARTING A TRACK DURING PLAY

Press PLAY.

18 021 → *18 001*



PAUSE

Press PAUSE. The track will pause

03 820 → *03 ----*

Press PAUSE again to resume play.



STOPPING THE DISC

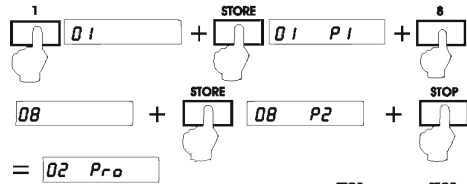
Press STOP



PROGRAMMING A DISC

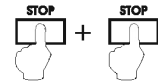
You can customise the number and the play order of tracks in a program This function is only available when the disc is stopped.

EXAMPLE: Storing a 2 track Program



To Erase a program:

Press STOP twice



TO REPEAT PLAY A DISC

Press REPEAT.

rEP

To Cancel Repeat: Press REPEAT again.

No rEP

The disc will play from that point and stop.

To repeat a track or tracks: Make a program of one or more tracks as described above. Press REPEAT to repeat the program.

TROUBLESHOOTING

If you suspect that one or more of your QUAD ELITE system components may be malfunctioning, here are a few simple checks you could carry out before you return the suspect unit to your dealer.

Caution: Before carrying out any checks or adjustments to your QUAD ELITE system, ensure that the mains to all the system units is safely disconnected and that the volume level is set to minimum.

<p>PROBLEMS COMMON TO THE SYSTEM</p> <p>No front panel lights on the pre-amplifier</p> <p>No signal from the loudspeakers</p>	<p>Mains plugs not inserted/ mains not on Mains fuse broken at power supply point Mains fuse on rear panel has broken</p> <p>Mains supply connections to power amp disconnected or faulty No connection or poor connection between pre and power amp Check Quadlink and AmpBus cables Loudspeaker cables disconnected Source input not connected to pre-amplifier or faulty Source is switched off Tape monitor is inadvertently on The CD you were playing has finished Is the pre-amplifier in mute? If you are using a CDP have you set that to mute?</p>
<p>PRE-AMPLIFIER PROBLEMS</p> <p>Tone controls do not function</p> <p>Turntable input too high/low</p> <p>Aux/Tape input too high/low</p> <p>Controls do not function at all</p>	<p>EQ not selected</p> <p>Check MM and MC input is correctly set, adjust sensitivity</p> <p>Adjust sensitivity</p> <p>Switch system off at the mains, leave 15 mins, switch on</p>
<p>TUNER PROBLEMS</p> <p>No front panel lights</p> <p>The tuner will not tune in SEARCH mode</p> <p>All stations have high background noise</p> <p>Mono reception OK, stereo distorted or noisy</p> <p>No stereo indicator</p>	<p>Is the pre-amplifier switched on and working? Quadlink cable not properly connected</p> <p>Cable/antenna switch incorrectly set No aerial or inadequate aerial (Check that you can tune manually)</p> <p>Inadequate or faulty aerial, aerial improperly connected</p> <p>Inadequate or misaligned aerial, station is too far away Nearby electronic apparatus causing interference</p> <p>Is the station broadcasting mono (can you receive other stations OK)</p>
<p>CD PROBLEMS</p> <p>No front panel lights</p> <p>No sound</p> <p>Disc won't load</p> <p>Disc skips or distorts</p> <p>No sound from digital source</p> <p>I can't select Random Play</p>	<p>Mains plugs not inserted, mains off, fuse/s blown, display switched off</p> <p>Quadlink connection not properly connected or missing</p> <p>Disc upside down, or incorrect format Disc damaged or dirty</p> <p>Disc damaged or dirty</p> <p>Source disconnected or switched off (check NO SIGNAL indicator)</p> <p>Use the supplied CD handset</p>

USING THE CDP AS A STANDALONE CD PLAYER

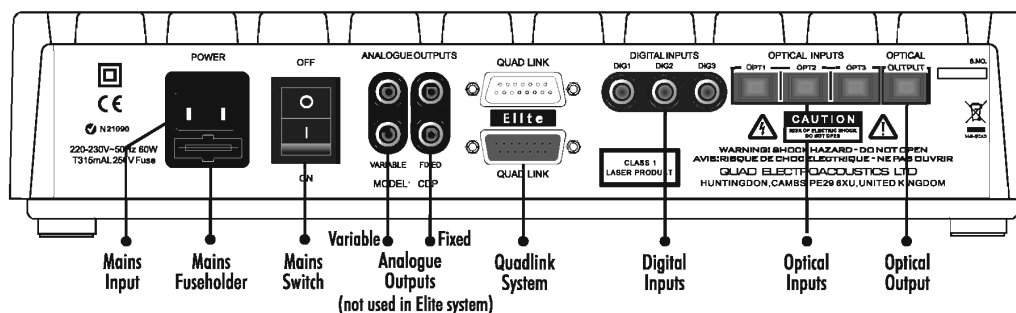
INTRODUCTION

The Quad Elite CDP will play regular music CDs, music and standard CD-Rs. Automatic upsampling increases the detail levels in your CD collection, and the ability to add three digital and three optical sources enables you to get the best from other digital media. An optical output is provided to connect the CDP to other digital equipment.

The CDP can be used as a stand alone player with its own remote control, as a CD/pre-amplifier in a basic system, or integrated into the Quad Elite system via the QUADLINK bus.

Please read all these instructions before you install and use your CDP. If you own a Quad Elite system please read this section in conjunction with the system instructions on Pages 3-14 of this manual.

CONNECTING THE CDP



Switch off all units at the mains before connecting the CDP.

Analogue Output (Line) Connections

Please refer to the connection drawings on Page 19

Fixed Output: Use this output when connecting to an amplifier that has a volume control. Connected in this manner, the internal volume control of the CDP is bypassed, and the analogue audio output is unaffected by volume setting changes on the CDP remote control handset.

Variable Output: Use this output to connect the CDP directly to a stereo power amplifier. Connected in this manner, the internal volume control of the CDP becomes active, allowing the user to vary the level of the analogue audio output. This internal volume control is an extremely high quality audiophile component.

Note: When connecting the CDP directly to a power amplifier, **never** use the 'Fixed' output. System damage may occur if the 'Fixed' output is connected directly to a power amplifier.

To connect the CDP to a Stereo line input: Connect the supplied RCA phono lead from the chosen output of the CDP to a suitable LINE INPUT of the amplifier. Ensure you connect the right and left channels correctly. RCA plugs and sockets coded white or black usually indicate the LEFT channel and those coded red the RIGHT channel.

Quadlink' Output: Use this output when connecting to a Quad Elite Series pre-amplifier. Please refer to the Quad Elite Series system pages of this handbook for full instructions.

Important note: When connecting the CDP directly to a Quad Elite Series power amplifier, you **must** connect the 'Variable' output to the RCA input of the power amplifier.

PRELIMINARIES

Unpacking: The packing should contain

- The Quad Elite CDP player
- One IEC mains lead, with a suitable mains plug
- One RCA stereo phono connecting cable
- One CDP remote handset with four AA batteries
- This instruction manual and warranty card.

If any item is missing or damaged, inform your dealer.

Carefully unpack the CDP and accessories. Do not mark the player when undoing the polythene sleeve. Retain the packing for future transportation.

The 'Quadlink' connector is not compatible with the Quad 77 Series. Use the Analogue Outputs as directed above.

Digital Input and Output Connections

The CDP accepts three optical and three digital inputs. CD recorders and Digital Audio Broadcast tuners (DAB) will be significantly improved by connecting their digital outputs to the CDP. The CDP can accept incoming PCM digital signals to a maximum resolution of 24bit/96kHz.

The stereo output of DVD players can also be enjoyed at higher levels of fidelity by connecting the digital or optical output of the DVD player to the relevant input of the CDP. In the DVD player's menu, the digital output option should be set to 'PCM'.

Digital Input: This is via a single 75 ohm RCA phono lead connected between source and the CDP. Your dealer will be able to supply you with a suitable digital RCA phono cable.

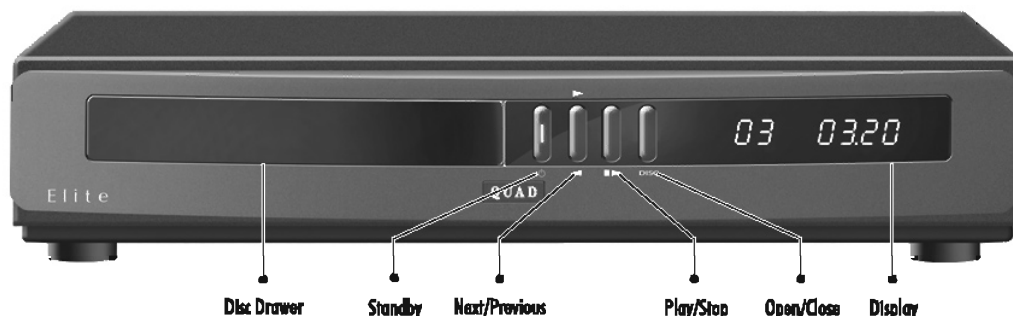
Optical Input: The optical inputs are blanked off when not in use. Remove the blanking plug from the chosen input of the CDP and the source component and connect an optical Toslink cable between them. Retain the plugs for future use.

Optical Output: This is a Toslink digital output for connection to a digital recorder, or any unit having an onboard Digital to Analogue (DAC) convertor.

Mains Connection

Check that all connections have been properly made. Plug the supplied IEC lead from the CDP to the mains socket and switch on all the other units in the system.

OPERATION



Switching On

Switch on the power at the mains and at the power switch at the rear of the player. The STANDBY light on the Standby button glows Red.

The CDP may be operated from either the front panel or via the remote handset. The front panel controls allow basic operation; handset operation is required to realise all the advanced operating features of the CDP.

Front Panel Operation

Depress the Standby button. The Standby light will go to white.

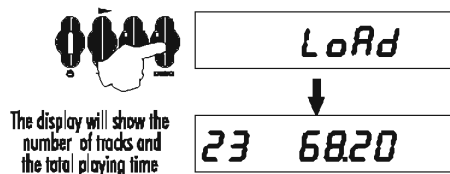
The Display briefly shows the default input (CD) and the volume level*



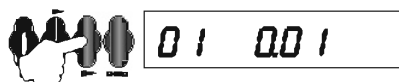
When switched on from Standby the CDP will power on at a safe volume level. This default level is only available at the variable output and is a safety feature of the equipment.

Loading and Playing a CD

Press the DISC button. The disc drawer will open. Load a disc label side up into the tray. Press DISC again to close the drawer.



To play a CD: Press Play. Playing will commence from track 1.



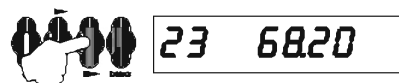
To choose and play a given track: Press the Next/Previous key repeatedly to advance or reverse the track one unit.



To go forward: Press the upper part of the Next/Previous key to select and play a track. Each press advances the CD one track.

To go back: Press the lower part of the Next/Previous key once. The CD will go to the start of the previous track. Press the key again to go back one track at a time.

To stop a CD while playing: Press Play. The disc will stop.



To revert to Standby: Press Standby.

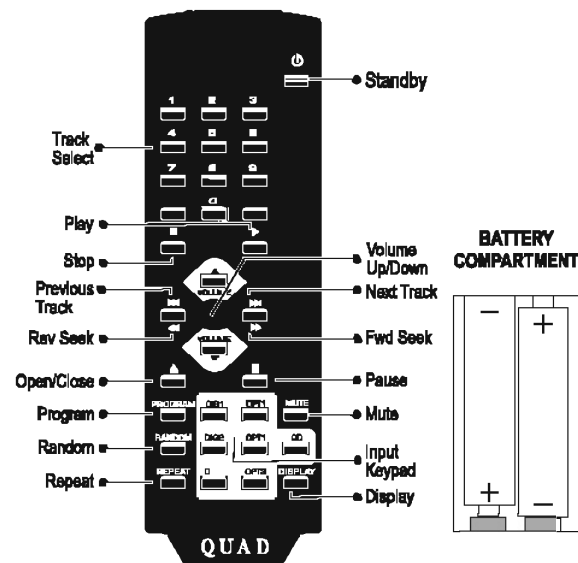
The Red Standby light will come on.



Note: When you load a CD, the player has to determine which of the many formats the disc may be in before it can display the track and time information. This takes a couple of seconds during which the mechanism will whirr audibly - this is quite normal.

The CDP Remote Control Handset

The CDP handset replicates all the CDP control panel features plus several additional features that add functionality to its performance, including Input Selection.



Inserting the Batteries: Carefully remove the cover on the rear of the handset. Unwrap the four supplied AAA batteries and insert them in the positions shown. Replace the cover.

Operating the CDP with the Remote Handset

Switching On: Press the Standby Button
The Standby Light will change to white.

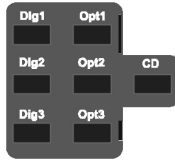


Choosing an Input: Source inputs can be selected by pressing the required button on the Keypad.

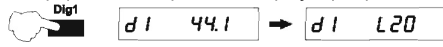
Closing the disc drawer always selects CD.

To Select a Digital or Optical Input:

Press an input on the keypad, say DIG 1.

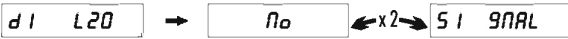


The display confirms the input and the sampling frequency and then displays the volume



If the selected source is disconnected or not switched on:

The display indicates Input & Level, flashes 'No Signal' twice, and reverts back



When you select a digital input, the CDP will look for a digital stream to lock onto. If, after the input is selected you switch the digital source off this lock will be defeated. To confirm whether a digital signal is present, reselect the input.

Playing a CD

Select CD from the Input Keypad.

To load a CD: Press to open the drawer.

Place a CD in the drawer. Press again to close it

The CDP determines the format and loads the disc information → The display then shows the number of tracks and the total playing time



To play a CD: Press

The disc will play from track 1.



To select a track: Select a track number. Press Play.

+ +
Play commences from Track 14.



Forward and Reverse Search, Track Skip

Press once to go to the start of the previous track. Press repeatedly to go back several tracks.

Press once to go to the start of the next track. Press repeatedly to go forward several tracks.

Press and hold to reverse search. The search stops at the start of the track.

Press and hold to search forward. At the end of the track the search stops.

Changing Tracks During Play

You can use track skip as above or select the new track from the number keypad. You do not need to press Play.



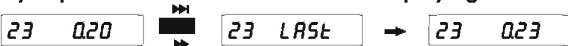
If there are 10 tracks or more on a disc, the CDP will wait briefly for a second digit. If none is entered the track will play.

If you select a track number that is unavailable, the CDP will briefly indicate. If a track is currently playing it will keep playing the track. If the disc is stopped, nothing will happen.

To Re-Start a Track During Play: Press Play . You may also re-enter the current track number as above.



If you press 'Next' when the final track is playing:

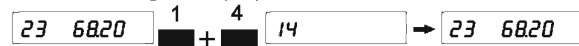


To Pause the Disc: Press Pause. The track will be paused. Press Pause again and play will resume from the point at which the disc was paused.



To Stop the Disc: Press Stop.

Changing Your Mind: If when the CD is at rest you choose a track but do not press Play, the disc will register the track, then revert to the original display and erase this command.



Altering the Volume: (not available at Fixed Outputs)

Increase volume Decrease volume
The Display registers the new level → And will then revert to normal display



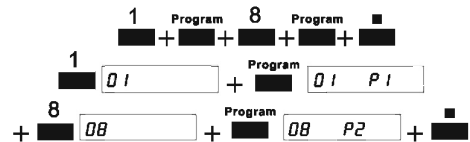
The level indication varies between 32 (max.) and 00 (off).

Default Volume Level: The default level is 16. If, the CDP is set to Standby with the Volume level set higher, when you come out of Standby the level will reset to 16. If the CDP is set to Standby with the level set below 16, it will next come back on at the lower level.

Program Play

You can customise the number and order of tracks you wish to play. This function is available when the disc is stopped.

To program a disc: Enter a track number followed by the Program key. After entering the program press Stop.



The program entered above is memorised.

To play the program: Press

To erase a program from memory: Press twice.



Random and Repeat Play

To play all tracks on a disc once in random sequence:

Press Random. The disc will play once randomly and stop.

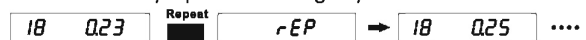


To cancel Random play: Press the Random key again.

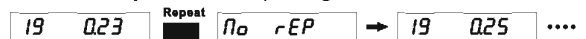
The disc plays from that point in normal sequence and stops.



To repeat play an entire disc: Press the Repeat key. The disc will continuously repeat for as long as you want.



To cancel Repeat: Press Repeat again.



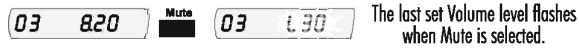
The disc plays from that point in normal sequence and stops.

To repeat a track or several tracks: Make a program of one or more tracks as described above. Press Repeat to repeat the program.

Random with Repeat: Press Random and then Repeat. The disc will play in a random sequence; it will then play again in a different sequence, ad infinitum - ideal for party addicts.

Mute

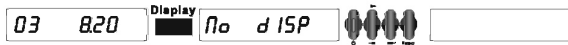
Pressing Mute cuts off the sound but leaves other functions unaltered. Press Mute again to resume normal operation.



Display Off

Many listeners prefer to listen with the display switched off.

To switch off the display: Press Display.



In "display off" mode the Display and the Standby light are muted.

To restore normal operation: Press the Display button again.

Because of the potential difficulties that could arise with a player with no visible indicators Quad engineers have put in some special features.

In "display off" mode you can alter inputs, CD tracks and Volume Level. Each time you perform one of these functions, the CDP will briefly 'wake up', indicate the change and then switch the Display off again.

If in "display off" mode, you select Pause, Mute, Standby, Stop or Drawer Open, the display will trigger on.

When in "display off" mode the CDP reaches the end of a session, whether in Normal, Random, or Program mode, the display will be triggered on.

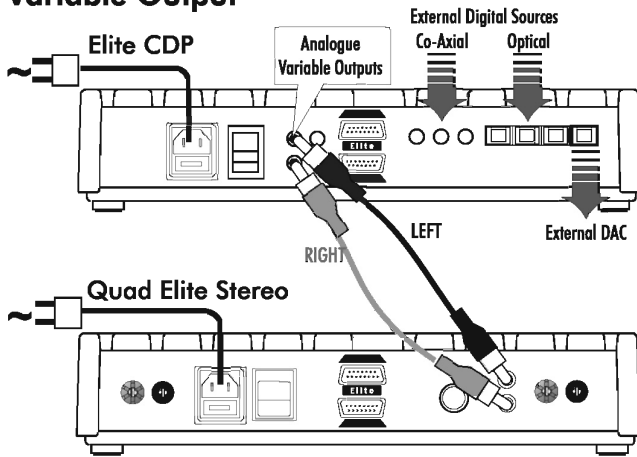
After these events, the display can be manually switched off.

And Finally: To put the CDP into Standby - Press

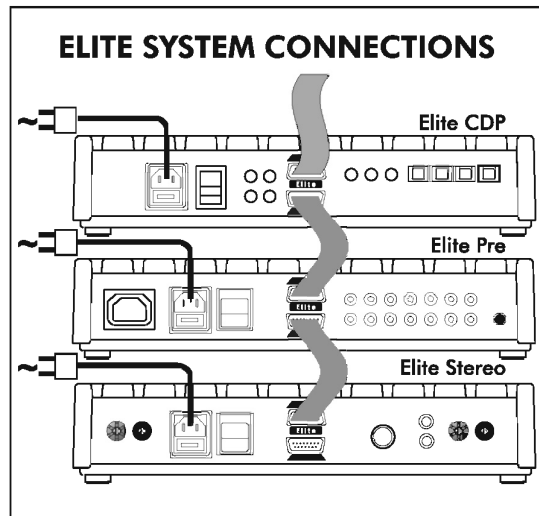
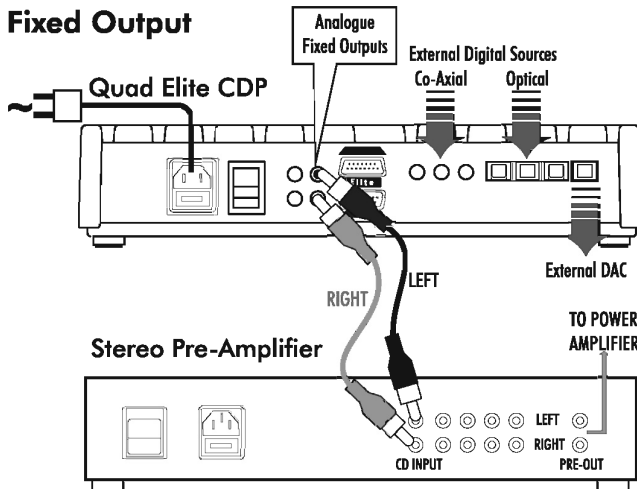


QUAD ELITE CDP CONNECTIONS

Variable Output



Fixed Output



USING THE CDS AS A STANDALONE CD PLAYER

INTRODUCTION

The Quad EliteCDS will play regular music CDs, music and standard CD-Rs. An optical output is provided to connect the CDS to other digital equipment.

The CDS can be used as a stand alone player with its own remote control, or fully integrated into the Quad Elite system via the QUADLINK bus.

Please read all these instructions before you install and use your CDS. If you own a Quad Elite system please read this section in conjunction with the system instructions on Pages 3-14 of this manual.

Preliminaries

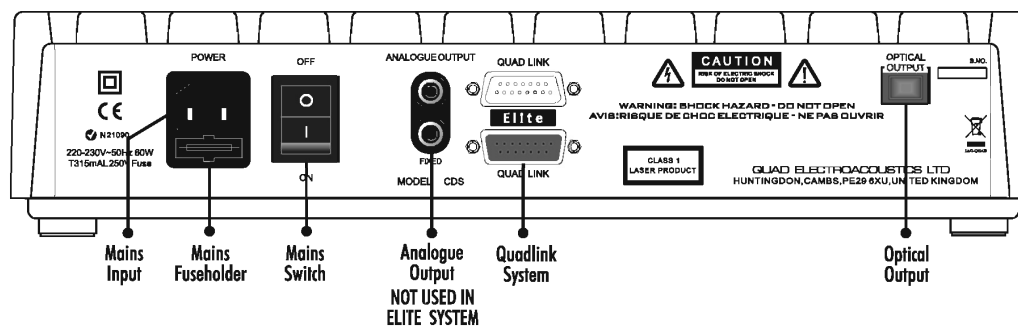
Unpacking: The packing should contain

- The Quad Elite CDS player
- One IEC mains lead, with a suitable mains plug
- One RCA stereo phono connecting cable
- One CDS remote handset with four AA batteries
- This instruction manual and warranty card.

If any item is missing or damaged, inform your dealer.

Carefully unpack the CDS and accessories. Do not mark the player when undoing the polythene sleeve. Retain the packing for future transportation.

CONNECTING THE CDS



Switch off all units at the mains before connecting the CDS.

Analogue Output (Line) Connections

To connect the CDS to a Stereo line input: Connect the supplied RCA phono lead from the RCA line output of the CDS to a suitable LINE INPUT of the amplifier. Ensure you connect the right and left channels correctly. RCA plugs and sockets coded white or black usually indicate the LEFT channel and those coded red the RIGHT channel.

Note: Never connect the CDS directly to a power amplifier, unless the power amplifier has a variable volume control. System damage may occur if the CDS output is connected directly to the fixed line inputs of a power amplifier.

'Quadlink' Output: Use this output when connecting to a Quad Elite pre-amplifier.

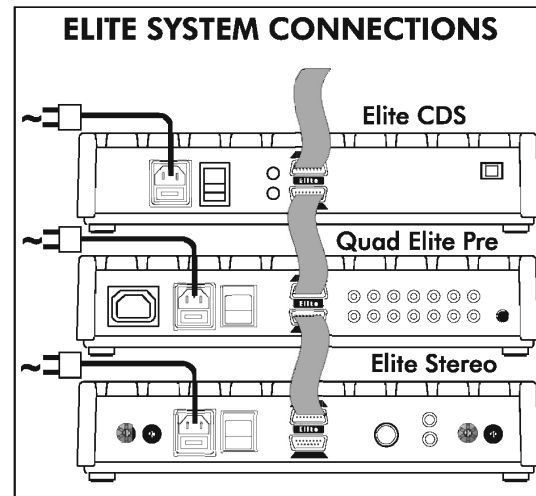
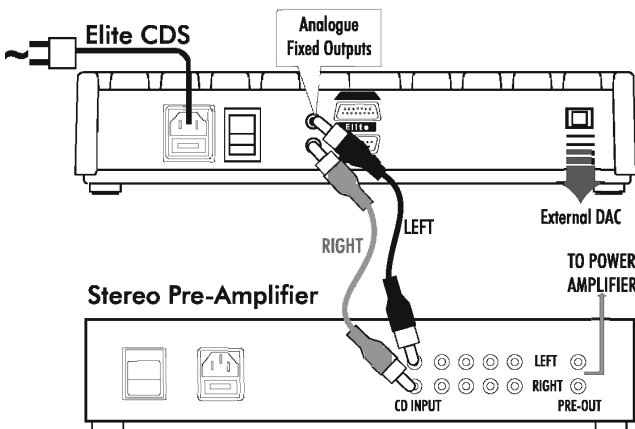
The 'Quadlink' connector is not compatible with the Quad 77 Series. Use the Analogue Output as directed above.

Important note: Never connect the CDS directly to any Quad power amplifier as there is no variable level control.

Mains Connection

Check that all connections have been properly made. Plug the supplied IEC lead from the CDS to the mains socket and switch on all the other units in the system.

QUAD ELITE CDS CONNECTIONS



Operation



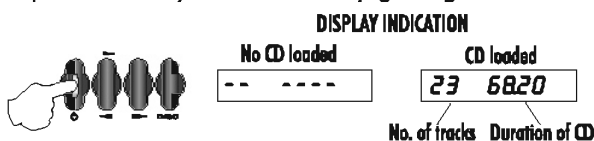
Switching On

Switch on the power at the mains and at the power switch at the rear of the player. The STANDBY light on the Standby button glows Red.

The CDS may be operated from either the front panel or via the remote handset. The front panel controls allow basic operation; handset operation is required to realise all the advanced operating features of the CDS.

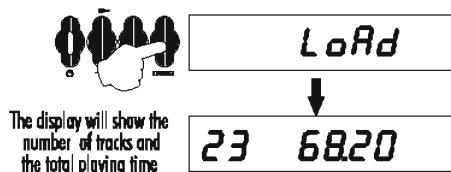
Front Panel Operation

Depress the Standby button. The Standby light will go white.

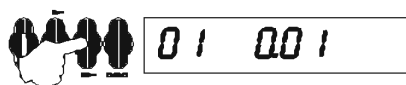


Loading and Playing a CD

Press the DISC button to open the disc drawer. Load a disc label side up in the tray. Press DISC again to close the drawer.



To play a CD: Press Play. Playing will commence from track 1.



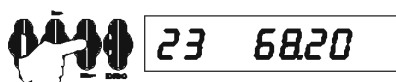
To choose and play a given track: Press the Next/Previous key repeatedly to advance or reverse the track one unit.

To go forward: Press the upper part of the Next/Previous key to select a track. Each press advances the CD one track.



To go back: Press the lower part of the Next/Previous key once. The CD will go to the start of the previous track. Press the key again to go back one track at a time.

To stop a CD while playing: Press Play. The disc will stop.



To revert to Standby: Press Standby.

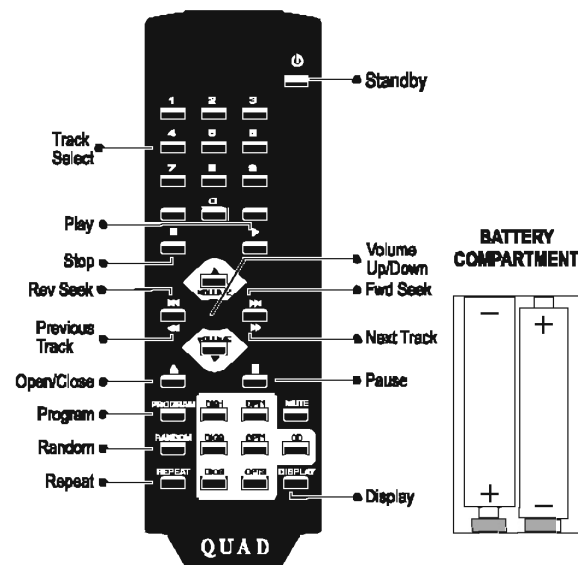
The Red Standby light will come on.



Note: When you load a CD, the player has to determine which of the many formats the disc may be in before it can display the track and time information. This takes a couple of seconds during which the mechanism will whirr audibly - this is quite normal.

THE CDS REMOTE CONTROL HANDSET

The CDS handset is identical to the CDP handset but with reduced functionality. Input selection and Mute are inoperative with this model.



Inserting the Batteries: Carefully remove the cover on the rear of the handset. Unwrap the four supplied AAA batteries and insert them in the positions shown. Replace the cover.

Operating the CDS with the Remote Handset

Switching On: Press the Standby Button. The Standby Light will change to white.



Playing a CD

To load a CD: Press to open the drawer.

Place a CD (label side up) in the drawer. Press again to close the drawer.

Load the CD

The display shows the number of tracks and the total playing time

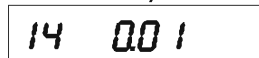


To play a CD: Press .

The disc will play from track 1.



To select a track: Select a track number. Press Play.



Play commences from Track 14.

Forward and Reverse Search, Track Skip

Press once to go to the start of the previous track. Press repeatedly to go back several tracks.



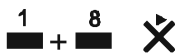
Press once to go to the start of the next track. Press repeatedly to go forward several tracks.

Press and hold to reverse search. The search stops at the start of the track.

Press and hold to search forward. At the end of the track the search stops.

Changing Tracks During Play

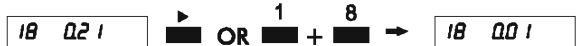
You can use track skip as above or select the new track from the number keypad. You do not need to press Play.



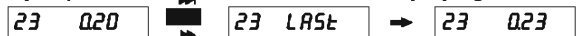
If there are 10 tracks or more on a disc, when selecting a single digit track the CDS will wait briefly for a second digit if appropriate. If none is entered the track will start.

If you try to select a track number that is unavailable, the CDS will briefly indicate this. If a track is currently playing it will keep on playing the track. If the disc is stopped, nothing will happen.

To Re-Start a Track During Play: Press . You may also re-enter the current track number as above.



If you press 'Next' when the final track is playing:

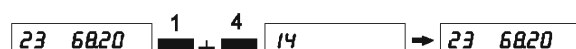


To Pause the Disc: Press Pause. . The track will be paused. Press Pause again and play will resume from the point at which the disc was paused.



To Stop the Disc: Press Stop. .

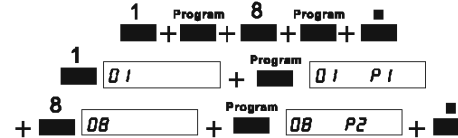
Changing Your Mind: If when the CD is at rest you choose a track but do not press Play, the disc will register the track, then revert to the original display and erase this command.



Program Play

You can customise the number and order of tracks you wish to play. This function is available when the disc is stopped.

To program a disc: Enter a track number followed by the Program key. After entering the program press Stop.



The program entered above is memorised.

To play the program: Press .

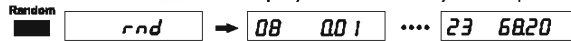
To erase a program from memory: Press twice.



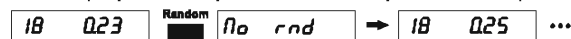
Random and Repeat Play

To play all tracks on a disc once in random sequence:

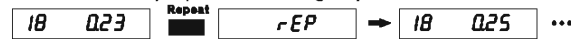
Press Random . The disc plays once randomly and stops.



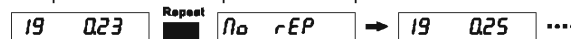
To cancel Random play: Press the Random key again. The disc will play from that point in normal sequence and stop.



To repeat play an entire disc: Press the Repeat key. The disc will continuously repeat for as long as you want.



To cancel Repeat: Press Repeat again. The disc will play from that point in normal sequence and stop.

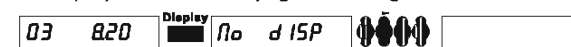


To repeat a track or several tracks: Make a program of one or more tracks. Press Repeat to repeat the program.

Random with Repeat: Press Random and then Repeat. The disc will play in a random sequence; it will then play again in a different sequence, ad infinitum - ideal for party addicts.

Display Off

To switch off the display: Press Display. In "display off" mode the Display and the Standby light are extinguished.



To restore normal operation, press the Display button again.

In 'Display Off' mode:

If you alter inputs, CD tracks or Volume Level: the CDS will 'wake up', indicate the change, then switch the Display off.

If you select Pause, Mute, Standby, Stop or Drawer Open: the display will trigger on.

When in "display off" mode the CDS reaches the end of a session the display will be triggered on.

After these events, the display can be manually switched off.

And Finally: To put the CDS into Standby - Press .



SPECIFICATIONS - ELITE PRE AMPLIFIER

Inputs	3 x Aux RCA, 1 x Tape, 1 x Phono MM (MC)
Frequency Response	
Line Inputs	1Hz – 20kHz +0dB / -0.3dB 0.1Hz – 55kHz +/-3dB
MM & MC Inputs	20Hz – 20kHz +/- 0.4dB
Phono Inputs MM (MC)	
Sensitivity	1,3, or 7.75mV (100,300 or 775uV)
Signal to Noise Ratio	>78dB (A) ref 7.75mV (775uV)
Total Harmonic Distortion	<0.05% (0.01%)
Output Specifications	
RCA Phono Output Level	775mV (3.3V Max)
Impedance	100 Ohms
Signal to Noise Ratio	>105dB (A)
AMPBUS Output Level	2V (8V Max)
Impedance	20 Ohms
Tape Output Level	10, 300, 775mV (10V Max)
Impedance	330 Ohms
Main Power On/Off Switch	Yes
Dimensions (H x W x D)	70 x 321 x 310 mm
Weight	4.42kg
Finish	Black
Remote Control	43keys

SPECIFICATIONS - ELITE FM STEREO TUNER

Tuning Range	88 – 108MHz
Channel Spacing	50kHz
Sensitivity (30dB quieting)	Mono 8 dBuV
Sensitivity (50dB quieting)	Mono 18dBuV Stereo 18dBuV
Full Limiting	<1uV (1.2dBf)
Capture Ratio	1.5dB
IF Rejection	>100dB
AM Supression	>60dB
Image Rejection	>80dB
Pilot Tone Supression	>60dB
De-emphasis	50uS or 75uS
Aerial Input	2 x 75 Ohms unbalanced
Main Power On/Off Switch	No
Dimensions (H x W x D)	70 x 321 x 310 mm
Weight	2.8 kg
Finish	Black

SPECIFICATIONS - ELITE CDP COMPACT DISC PLAYER WITH PRE-AMP

D/A Converter	Crystal CS4398 24 bit DAC
Input Resolution Signals	16 - 24bit
Input Sampling Rates	32 - 96kHz
Frequency Response	20Hz – 20kHz (+0dB / -0.7dB)
Max.Audio Line Output	2.4V RMS, RCA (Fix & Variable output) 4.8V RMS, Balanced (Quadlink)
Output Impedance	120 Ohms
Total Harmonic Distortion	<0.0013% at 1kHz
Dynamic Range	>100dB 'A' wtd. 16 bit >117dB 'A' wtd. 24 bit
Signal to Noise Ratio	>113dB, 24bit (20Hz – 20kHz) >116dB, 24bit (20Hz – 20kHz) 'A' wtd >94 dB, 16bit (20Hz - 20kHz) >97 dB, 16bit (20Hz - 20kHz) 'A' wtd
Crosstalk	<-120dB at 1kHz
Digital Audio Inputs	3 x RCA Coax 75 Ohms, SPDIF 3 x Optical TosLink, SPDIF
Digital Audio Output	1 x Optical TosLink, SPDIF
Disc Compatibility	CD-DA Conventional Audio CD CD-R Recordable CD
Main Power On/Off Switch	Yes
Dimensions (H x W x D)	70 x 321 x 310 mm
Weight	4.5 kg
Finish	Black
Remote Control	31keys

SPECIFICATIONS - ELITE CDS COMPACT DISC PLAYER

D/A Converter	Crystal CS4398 24 bit DAC
Frequency Response	20Hz – 20kHz (+0dB / -0.7dB)
Max.Audio Line Output	2.4V RMS, RCA 4.8V RMS, Balanced (Quadlink)
Output Impedance	120 Ohms
Total Harmonic Distortion	<0.0013% at 1kHz
Dynamic Range	>100dB 'A' wtd. 16 bits
Signal to Noise Ratio	>113dB, Digital Silence (20Hz-20Khz) >116dB, Digital Silence (20Hz-20Khz) 'A' wtd >94 dB, 16bit (20Hz - 20kHz) >97 dB, 16bit (20Hz - 20kHz) 'A' wtd
Crosstalk	<-120dB at 1kHz
Digital Audio Output	1 x Optical TosLink, SPDIF
Disc Compatibility	CD-DA Conventional Audio CD CD-R Recordable CD
Main Power On/Off Switch	Yes
Dimensions (H x W x D)	70 x 321 x 310 mm
Weight	4.5 kg
Finish	Black
Remote Control	31 keys

Care and Cleaning

The surface of the equipment may be cleaned with a damp cloth provided that the power has been switched off first. Solvent based cleaning materials should not be used as they may damage the paint finish.

Service Information

Product service enquiries should, in the first instance, be referred to the supplying dealer. If you need to return your equipment for servicing we recommend that it is shipped in its original packing.

In cases of difficulty or for other product enquiries please contact the appointed QUAD distributor for your country. Principal Service Centre addresses and contact numbers can be found below.

For information on authorised service centres worldwide contact QUAD Electroacoustics Ltd. A worldwide

distributor list is available on the QUAD website:
www.quad-hifi.co.uk

International Service Centres

UK: International Audio Group Service Centre, Unit 4,
St Margaret's Way, Stukeley Meadows Industrial Estate
Huntingdon, Cambs, PE29 6EB'

Tel: +44 (0)1480 447700 Fax: +44 (0)1480 431767

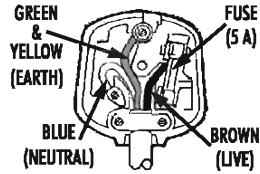
IMPORTANT NOTICE TO UK USERS

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: Green and Yellow: Earth. 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. The GREEN & YELLOW wire must be connected to the terminal marked with the letter E or coloured GREEN or GREEN & YELLOW or marked with the Earth Symbol ⚡



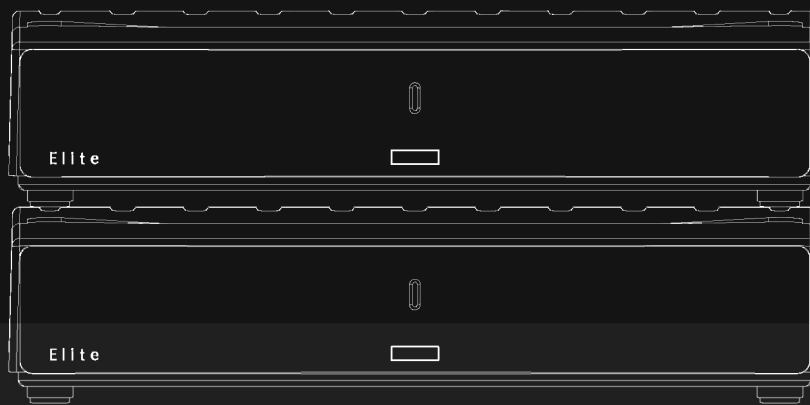
IAG-QUAD

Correct Disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

QUAD

IAG House, Sovereign Court, Ermine Business Park, Huntingdon, Cambs, PE29 6XU, UK
Tel: +44(0)1480 447700 Fax: +44(0)1480 431767 <http://www.quad-hifi.co.uk>
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Quad is a member of the International Audio Group. CODE: QH10-MNL0002

Elite series



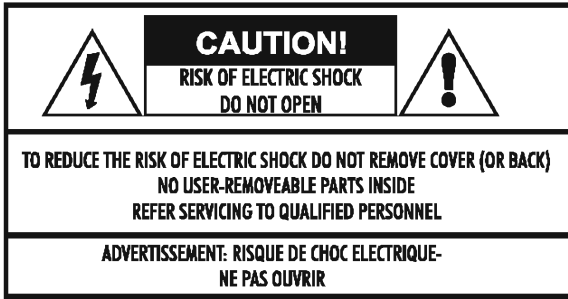
Stereo Power Amplifier
Mono Power Amplifier

Owner's Manual

QUAD

the closest approach to the original sound

IMPORTANT SAFETY INFORMATION



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

ELECTRICAL INFORMATION

MAINS SUPPLY AND SAFETY

Mains Supply: The mains operating voltage of all QUAD Elite series units is shown on the rear panel. If this voltage does not match the mains voltage in your area, consult your QUAD dealer about converting the unit.

The mains supply fuse on the rear panel is accessible when the IEC mains plug has been removed. In the rare event that it has broken, check for any obvious cause before replacing the fuse with one of the correct rating and type. The fuse values are:

QUAD Elite Stereo Amplifier

220 - 230V (UK, Korea, etc.) T 3.15AL 20mm Slow Blow

100 - 120V (USA, Japan, etc.) T 6.3AL 20mm Slow Blow

QUAD Elite Mono Amplifier

220 - 230V (UK, Korea, etc.) T 3.15AL 20mm Slow Blow

100 - 120V (USA, Japan, etc.) T 6.3AL 20mm Slow Blow

WARNING: The mains plug/appliance coupler is used as disconnect device, the disconnect device shall remain readily operable.

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.

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

This equipment is a Class II or double insulated electrical appliance. It has been designed in such a way that it does not require a safety connection to electrical earth.

IMPORTANT NOTICE TO UK USERS

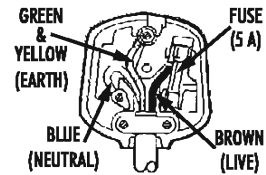
The appliance cord is terminated with a UK approved mains plug fitted with a 5A fuse. If the fuse needs to be replaced, an ASTA or BSI approved BS1362 fuse rated at 5A must be used. If you need to change the mains plug, remove the fuse and dispose of this plug safely *immediately* after cutting it from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

Connecting a Mains Plug

The wires in the mains lead are coloured in accordance with the code: Blue: NEUTRAL Brown: LIVE: Green and Yellow: Earth.

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. The GREEN & YELLOW wire must be connected to the terminal marked with the letter E or coloured GREEN or GREEN & YELLOW or marked with the Earth Symbol ⚡



QUAD

ELITE

USER GUIDE

Elite Mono Power Amplifier

Elite Stereo Power Amplifier

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INTRODUCTION

The Quad Elite power amplifiers offer exceptional accuracy combined with high power delivery. The amplifiers can be used either stand-alone or as an integral component of the Elite series, a matched range of hi-fidelity equipment which can be connected using the Quadlink system.

Please read this manual fully before you begin to install and use the equipment.

Product Registration and Warranty

QUAD equipment is guaranteed against any defect in material and workmanship for a period of one year from the date of purchase. Proof of purchase is required for Warranty claims.

Please complete and return the enclosed Warranty Registration form. Within the warranty 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 warranty.

QUAD carries out regular reviews and reserves the right to adjust the specifications and performance from time to time.

UNPACKING THE EQUIPMENT

The Elite Mono Amplifier carton contains:

- The Elite Mono Power-Amplifier
- One IEC mains cable with a plug suitable for your area
- One Ampbus cable
- Elite Amplifier Instruction Manual
- Warranty Registration Form.

The Elite Stereo Amplifier carton contains:

- The Elite Stereo Power-Amplifier
- One IEC mains cable with a plug suitable for your area
- One Ampbus cable
- Elite Amplifier Instruction Manual
- Warranty Registration Form.

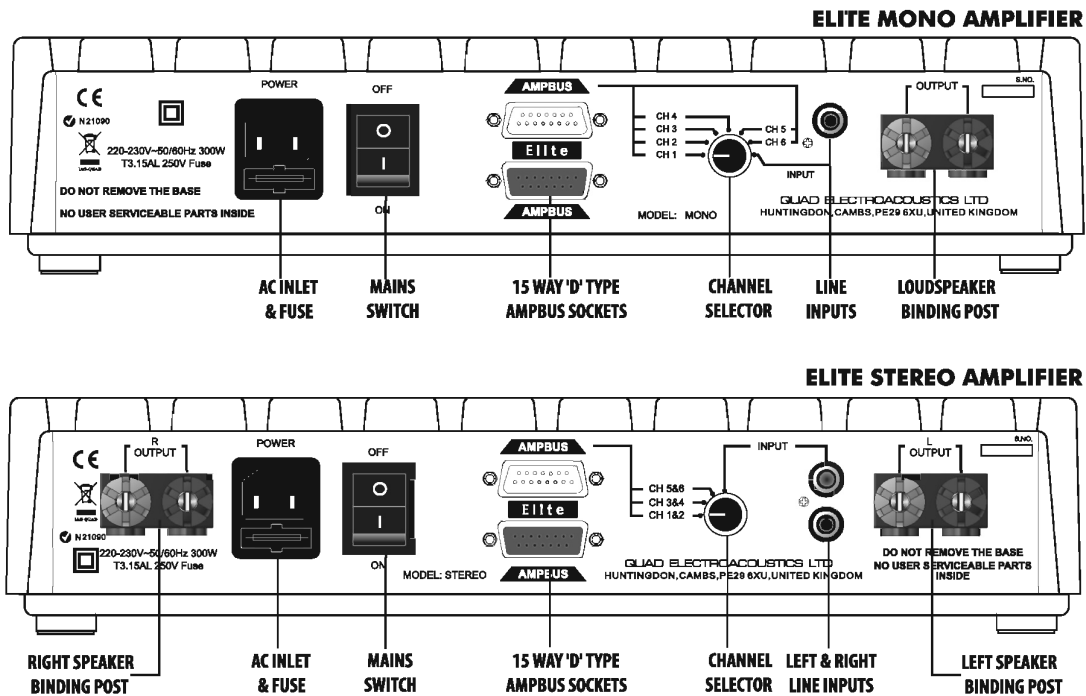
Consult the dealer from whom you purchased the equipment if any item is not present.

Carefully unpack all the units and accessories. Take care not to damage the surface finish when undoing the protective polythene sleeve. Retain the packing materials for future use.

Retain the user manual and information concerning the date and place of purchase of your equipment for future reference.

If you transfer any unit to a third party please pass on this instruction manual along with the equipment.

INSTALLATION



Mains Connections

Before connecting your QUAD equipment to the AC mains supply check that the voltage marked on the back matches the voltage of your supply.

Mains On/Off Switch

The Mains On/Off switch is on the rear panel. When the amplifier is connected to a Quad Elite system with the special AMPBUS cable this switch should normally be left switched on as the amplifier will be remotely switched by other source units. Where the amplifier/s are not part of a Quad Elite system the Mains On/Off switch should be switched off when the amplifier is not in use.

Placement

When installed in a domestic system at the base of an Elite Series equipment stack the Elite Stereo or even a pair of Elite Mono amplifiers will be perfectly satisfactory provided there is sufficient ventilation.

If you are likely to use the amplifier/s for extended periods at extremely high volume levels, it may be advisable to install the units side by side in free air. To do this you will need 1 metre long AMPBUS cables which are available from your dealer or Quad. The method of connection remains unaltered. Please ask your dealer's advice.

Although the drawings show bi-amplified Elite mono amplifiers stacked vertically, this is purely for illustration purposes. If you are using four Elite mono amplifiers they should be in a separate stack (or even in two pairs) beside the other source units.

Cables

When estimating the length of loudspeaker cable, provide sufficient to enable access and tidy securing. Some cable, is quite heavy and you should be careful to place your cables so that they do not cause undue strain on the binding posts of the amplifier or loudspeaker.

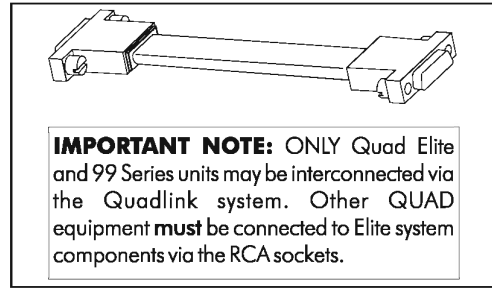
If you are using your Elite amplifier with non-Quad Elite source units, ensure the signal input is of high quality and adequately screened.

Signal Input Connections

Connecting to a Quad Elite System

When the amplifier is used as part of a Quad Elite system, you should use the AMPBUS lead provided to connect to the output of the Elite preamplifier.

Quad Elite units are connected via multiway cables. The ends are terminated with a male and female 15 way D type connector. When used to link control units they are referred to as QUADLINK and when connecting amplifiers they are referred to as AMPBUS cables.



IMPORTANT NOTE: ONLY Quad Elite and 99 Series units may be interconnected via the Quadlink system. Other QUAD equipment **must** be connected to Elite system components via the RCA sockets.

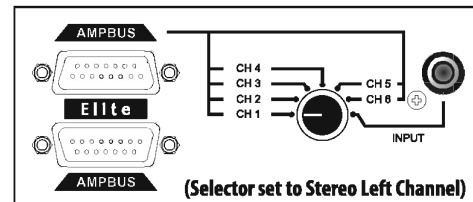
AMPBUS signal is differential. This offers performance advantages over the usual unbalanced mode.

Channel Selector

The Quad AMPBUS system carries channels for normal stereo signals as well as the centre, subwoofer and rear channels required for AV applications. The rotary switch on the back of the amplifier should be used to select the appropriate channel. These channels are:

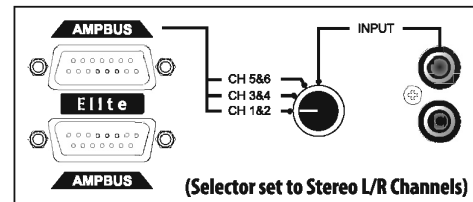
Quad Elite Mono

- CH1 Stereo Left
- CH2 Stereo Right
- CH3 Rear Left
- CH4 Rear Right
- CH5 Centre
- CH6 Subwoofer



Quad Elite Stereo

- CH1 & 2 Stereo Left: Stereo Right
- CH3 & 4 Surround Channels Left & Right
- CH5 & 6 Centre (Left LS:) Subwoofer (Right LS)



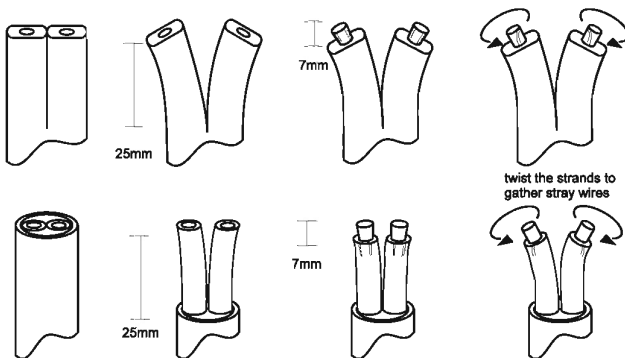
Connecting to a non Quad Elite System (Stand Alone Operation)

When the amplifier is used stand alone you will need to connect the line output of the source preamplifier to the Line Input of the Quad Elite power amplifier/s. Refer to Page 8.

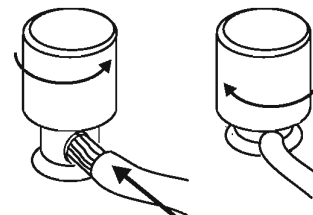
Loudspeaker Connections

Loudspeaker cables should be carefully prepared. The illustrations shown use round and flat speaker cable. When stripping the insulation, be careful not to cut into the wire. Collect together all the strands of wire as stray wires may cause shorting which could result in damage or cause a fire.

Make sure that all channels are connected in phase. The positive (red) output terminal of each channel should be connected to the positive (red) terminal of the speaker. Special care should be taken when bi-wiring as phase becomes critical.



Partially unscrew the terminal to expose the cross hole at the terminal base. Push the bare end of the cable into the hole. Ensure that the polarity is correct and there are no loose strands which could touch adjacent terminals. Tighten securely.

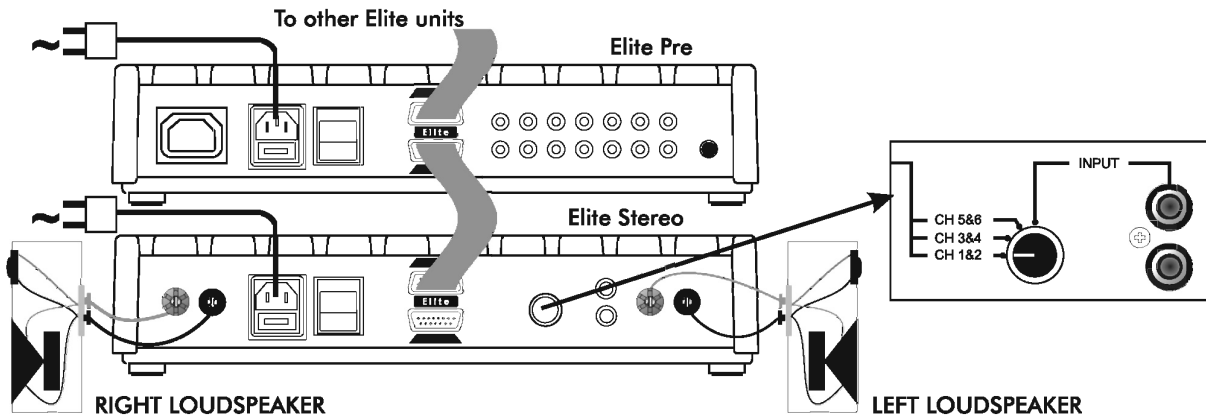


Basic System Connections using AMPBUS

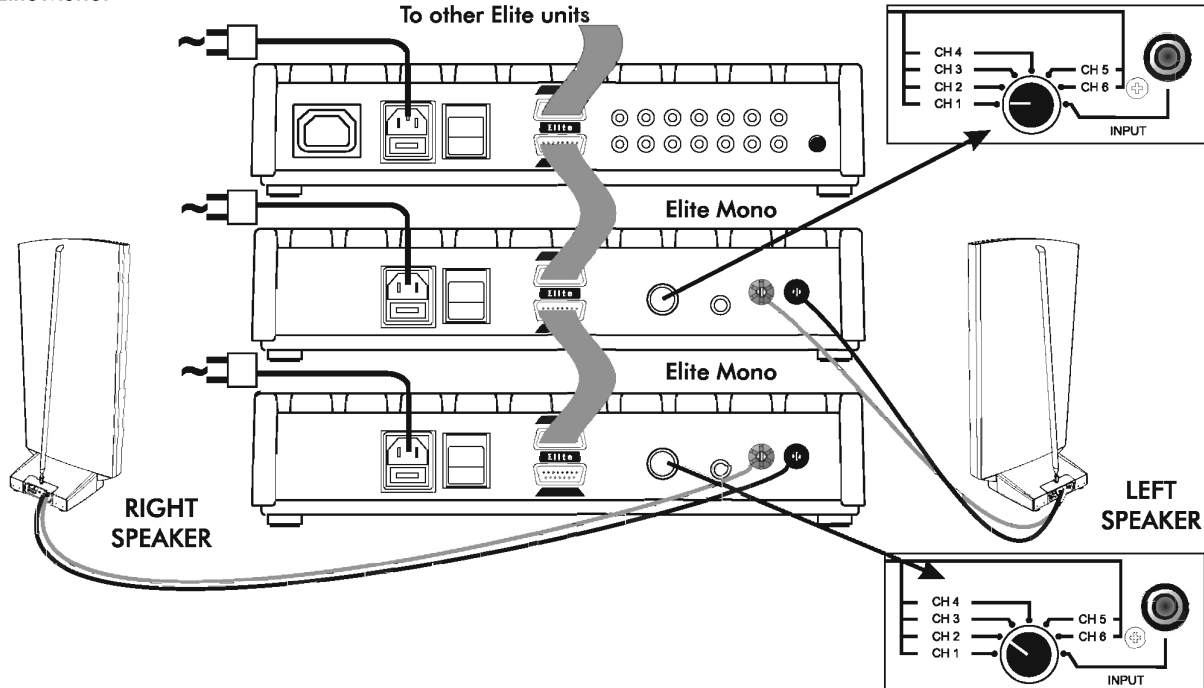
Elite Stereo: Plug an AMPBUS lead into the upper socket of the Elite Stereo. The other end should be plugged into the AMPBUS socket of the Elite preamplifier which will normally be sited above the unit.

Elite Mono: Plug an AMPBUS lead into the upper socket of the upper Elite Mono. The other end should be plugged into the AMPBUS socket of the Elite preamplifier which will normally be sited above the unit. The other AMPBUS lead is connected between the lower AMPBUS socket of the upper Elite Mono and the upper socket of the lower Elite Mono so that you have a daisy chain. By convention the upper amplifier is the Left Channel, the lower amplifier is the Right Channel.

Elite Stereo:



Elite Mono:



Loudspeaker Connections

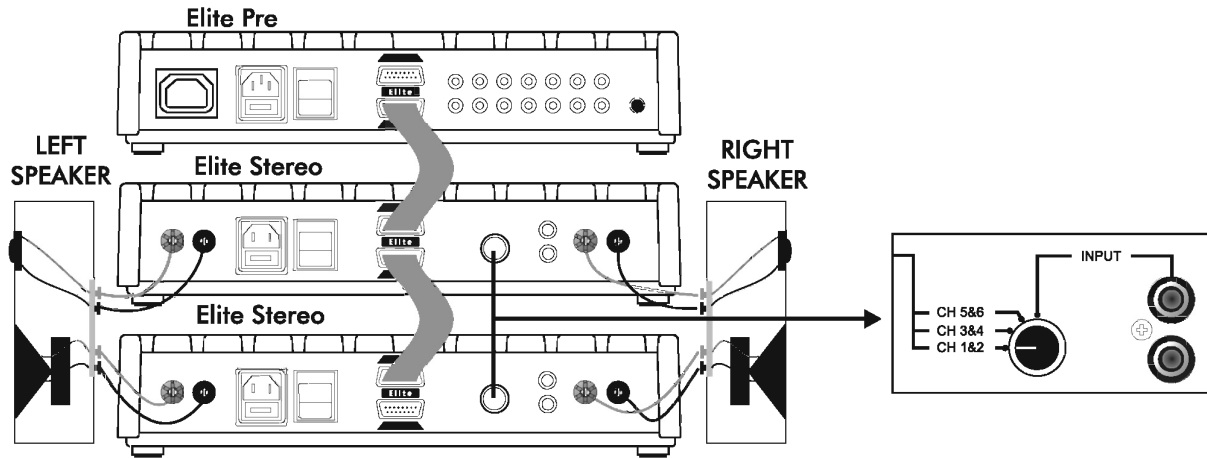
Connect the Left speaker to the Left output of the amplifier. Ensure that the Red (+) terminal of the amplifier connects to the Red (+) terminal of the speaker and that the Black (-) terminal of the amplifier connects to the Black (-) terminal of the speaker. Connect the Right channel similarly.

Bi-Wiring: If your loudspeakers have a bi-wiring capability you should certainly bi-wire them. Please refer to the Loudspeaker user manual for the relevant information and advice.

Bi-Amplification using AMPBUS

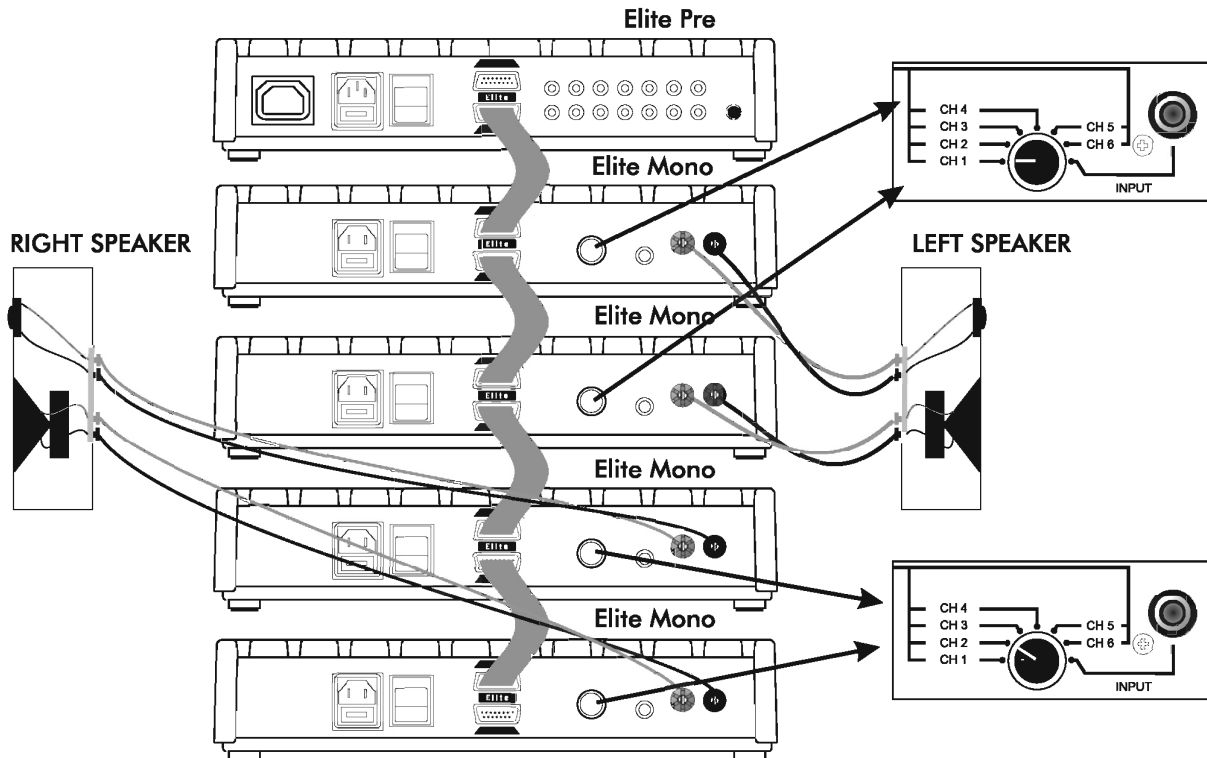
Bi-amplification is a process whereby the bass and treble units are separately amplified. If your loudspeaker is capable of bi-wiring it can also be bi-amplified. Please refer to the Loudspeaker user manual for the relevant information and advice.

Elite Stereo:



Elite Mono

When bi-amplifying with four Elite Mono amplifiers it is essential to make sure that the channel switches are connected correctly. The Left and Right amplifiers should form pairs.



Phase: Make sure that both channels are connected in phase. The positive (+) output terminal of each channel should be connected to the positive (+) terminal of the speaker and the negative (-) output terminal of each channel should be connected to the negative (-) terminal of the speaker. Special care should be taken when bi-wiring and bi-amplifying as phase becomes critical.

Using Elite Amplifiers with non-Elite series Source Units

Input Connections to a non Quad Elite System (Stand Alone Operation)

When the amplifier is used stand alone you will need to connect the line output of the source preamplifier to the Line Input of the Quad Elite power amplifier/s.

The channel switch must be set to "INPUT" as shown in the drawings opposite.

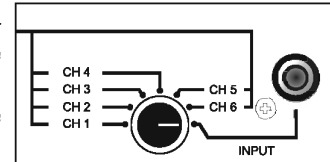
In this connection the Ampbus sockets are not used.

Note: The Inputs of the Quad Stereo amplifier are colour coded but not marked.

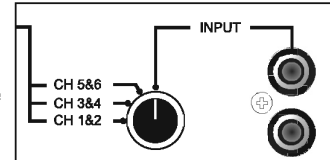
The Upper socket connects to the Left Channel amplifier and the Lower Socket is the Right Channel.

Some typical layouts are shown below.

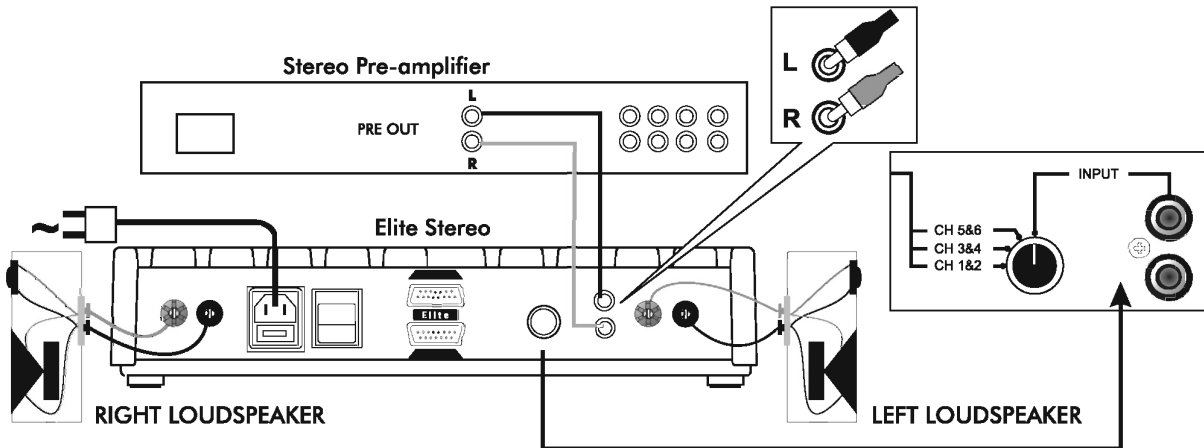
Elite Mono



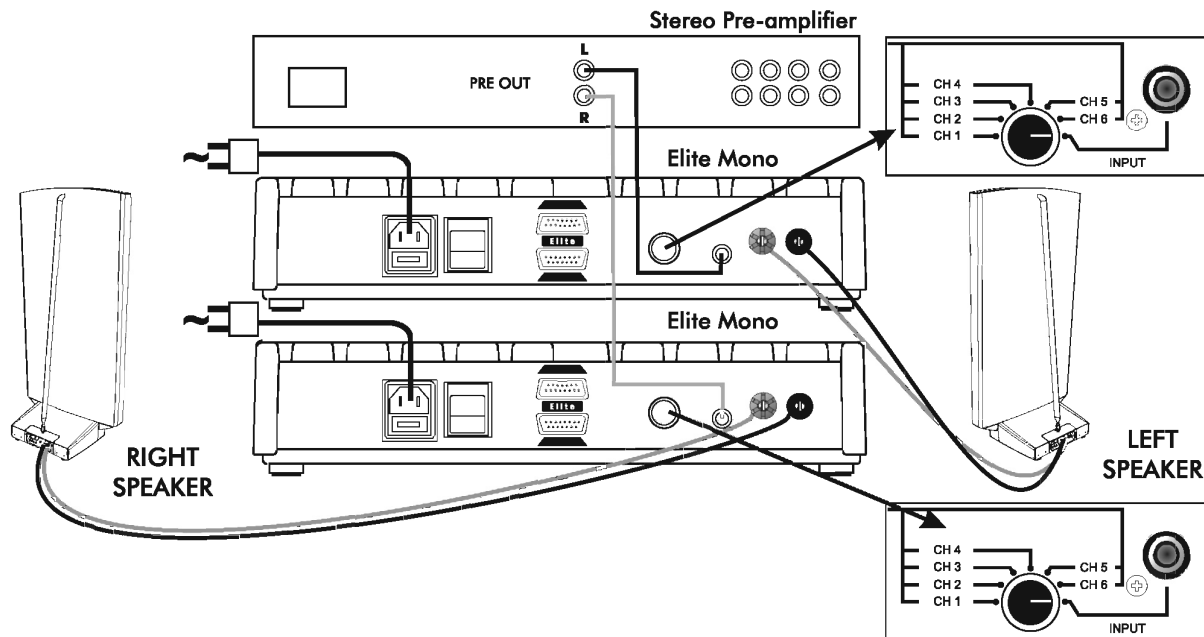
Elite Stereo



Elite Stereo



Elite Mono



OPERATION



Final Connections

The power supply input is via an IEC mains connector and an appropriate mains lead is supplied. Connect the mains lead/s to the amplifier/s and then to the wall socket ensuring that the mains switch on all amplifiers and wall sockets are switched off.

After checking that all leads are correctly installed and the selector switch is correctly set on each amplifier, you can switch on the mains supply to the preamplifier first and then to the power amplifier/s.

Front Panel Indications - Elite System

When the Quad Elite preamplifier is in STANDBY mode, the front panel indicator of the amplifier (also in Standby) will light a steady red.

When you activate the system the logo will glow white and stay white during normal operation

If the amplifier detects a fault such as a short circuit on the speaker cables, or if the amplifier overheats, the amplifier will power down and the indicator will flash red.

After 30 seconds the amplifier will 'try again'. If all is well the amplifier will go into standby and the indicator light will glow a steady red. You may now bring the amplifier out of STANDBY.

If there is a persistent fault, when the amplifier 'tries again' the light will still flash red. Should this happen, switch off the unit at the mains and wait 30 minutes. Carefully check all the connections before switching on again. The amplifier should now go into STANDBY, and the light will glow a steady red.

If, however, the red light still flashes there is an internal fault and you should return the unit to your dealer for his attention.

Front Panel Indications - non-Elite System

When the amplifier is switched on, the front panel indicator will briefly light red and then the logo glow steady white. It will stay steady white during normal operation.

If there is a fault the amplifier will power down and flash red. After 30 seconds the amplifier will 'try again'. If all is well the light will glow white indicating normal operation.

If there the light still flashes red, switch off the unit at the mains and wait 30 minutes. Carefully check all the connections before switching on. The light should now indicate white indicating normal operation.

If, however, the red light still flashes there is an internal fault and you should return the unit to your dealer for his attention.

Running- In

The performance of power amplifiers tends to improve after a after a period of use and then stabilise. This We recommend that the system be run with a music signal for several hours when it is first installed. Although the changes can be quite subtle in nature, we find that after a few days the sound quality becomes smoother and more natural.

After Use

Elite System: Put the system into standby with the Preamplifier or system handset. This will send all connected amplifiers into standby.

Non-Elite System: Turn the volume control on the preamplifier to minimum. Switch the power amplifiers off using the switches on the rear panel BEFORE you switch the preamplifier off.

In a non-Elite system the power amplifier should always be the last unit in the chain to be switched on and the first to be switched off.



TROUBLESHOOTING

If you suspect that your power amplifier is not operating properly, here are a few simple checks you should carry out before returning the unit to your dealer.

Before making any checks on system wiring, in particular AMPBUS cables, please ensure the amplifier is switched off and the volume control set at minimum. If you are in any doubt as to the satisfactory operation of your Quad Elite Series hi-fi equipment, please consult your appointed QUAD dealer

SYMPTOM	POSSIBLE CAUSE
No front panel indication when power is applied.	Mains outlet faulty or not switched on Mains plug fuse or mains cable faulty The IEC plug has not been pushed in firmly enough The rear panel fuse has blown
The Elite front panel indicator glows white but there is no sound from either speaker	You have selected the wrong input channel on the amplifier. Loudspeaker cables misconnected or faulty No source connected to your preamplifier or the source has finished playing. AMPBUS connections have been poorly made. The cable between the amplifier phono input and the preamplifier is faulty (non Quad Elite systems)
You are getting the same channel on both speakers.	You have selected the wrong input channel on one Elite mono amplifier.
The channels are reversed	You have selected the wrong input channel on the amplifier. Loudspeaker cables are misconnected. RCA input cables misconnected (non Elite systems)
There is a large hum or unpleasant noise from the loudspeakers	Signal cable to amplifier faulty (non Elite systems) Faulty source equipment
After playing for a while, the amplifier switches off	Faulty loudspeakers or loudspeaker cable Loudspeaker impedance too low and/or Amplifier playing too loudly and overheating
Every time the amplifier is turned on: The fuse blows: The light flashes red:	Refer the matter to your dealer.

FURTHER INFORMATION

Quad Electrostatic Loudspeakers

Elite power amplifiers are fully compatible with the all models from the Quad ESL-63, onwards. They should not be used with the original model (ESL 57) which could be damaged by signal peaks unless a protection circuit is fitted inside each loudspeaker – please contact Quad Electroacoustics for details.

Checking the phase of your loudspeakers

If there is any doubt about the way the loudspeakers are connected, their phasing can easily be checked by playing a mono source, when the sound should appear to emanate from a point midway between the two loudspeakers. If this is indefinite, then the connections to one of the loudspeakers should be reversed. When correctly connected, the loudspeakers will give a definite centre sound source with more full bodied tenor and bass registers.

Headphone Listening

Where headphones are used, these will normally be used instead of loudspeakers and there are a number of suitable switch units available designed to enable the loudspeakers to be switched off when the headphones are plugged in. Most of these incorporate a simple attenuator circuit to permit operation at normal settings of the preamplifier volume control. Electrostatic or other types of headphones requiring a high level input should be operated in accordance with the manufacturer's instructions.

CARE AND CLEANING

The surface of the equipment may be cleaned with a damp cloth provided that the power has been switched off first. Solvent based cleaning materials should not be used as they may damage the paint finish.

SERVICE INFORMATION

Product service enquiries should, in the first instance, be referred to the supplying dealer. If you need to return your equipment for servicing we recommend that it is shipped in its original packing.

In cases of difficulty or for other product enquiries please contact the appointed QUAD distributor for your country. Principal Service Centre addresses and contact numbers can be found below.

For information on authorised service centres worldwide contact QUAD Electroacoustics Ltd. A worldwide distributor list is available on the QUAD website: www.quad-hifi.co.uk

International Service Centres

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

SPECIFICATIONS - ELITE STEREO POWER AMPLIFIER

Output Specifications

Output Power	80W RMS x 2, 8 Ohms
Frequency Response	0.2Hz – 75kHz (+/-3dB)
Total Harmonic Distortion	<0.005% at 70W, 1kHz <0.05% at 70W, 20kHz
Signal to Noise Ratio	>105dB (20Hz – 20kHz) ref 100w

Input Specifications

RCA Phono Input

Input Sensitivity (RCA)	775mV(for max output)
Input Impedance (RCA)	33KΩ

AMPBUS Input

AMPBUS Input Sensitivity	2.0V(for max output)
AMPBUS Input Impedance	10KΩ

Main Power On/Off Switch

Yes

Dimensions (H x W x D)

70 x 321 x 310 mm

Weight

6.25 kg

Finish

Black

SPECIFICATIONS - ELITE MONO POWER AMPLIFIER

Output Specifications

Output Power	150W RMS, 8 Ohms
Frequency Response	0.2Hz – 80kHz (+/-3dB)
Total Harmonic Distortion	<0.005% at 100W, 1kHz <0.05% at 100W, 20kHz
Signal to Noise Ratio	>105dB (20Hz – 20kHz) ref 100w

Input Specifications

RCA Phono Input

Input Sensitivity (RCA)	775mV(for max output)
Input Impedance (RCA)	33KΩ

AMPBUS Input

AMPBUS Input Sensitivity	2.0V(for max output)
AMPBUS Input Impedance	10KΩ

Main Power On/Off Switch

Yes

Dimensions (H x W x D)

70 x 321 x 310 mm

Weight

6.5 kg

Finish

Black



IAG-QUAD

Correct Disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

QUAD

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