77

COMPACT DISC PLAYER

INSTRUCTION BOOK

QUAD

QUAD 77 Compact Disc Player
Operating Instructions
(Models: 7712 and 7714)

CONTENTS

CE NOTICE

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This product, Quad 77 Compact Disc Player models 7712 and 7714, has been designed to conform to the EU Electromagnetic Compatibility Directive 89/336/EEC and to the Low Voltage Directive 73/23/EEC and their respective amendments. The product is duly CE marked.

FCC NOTICE

USA and Canadian models

This product is intended to be used within the home as part of a home based entertainment system. It has been designed to meet the safety requirements typical of this type of product.

This equipment has been tested and found to comply with the limits for a Class B 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 communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

    *   Reorient or relocate the receiving antenna
    *   Increase the separation between the equipment and the receiver
    *   Connect the equipment into an outlet on a circuit different to that to which the receiver is attached
    *   Consult the dealer or an experienced radio/TV technician for help

This Class B apparatus meets all the requirements of the Canadian Interference Causing Equipment Regulations.
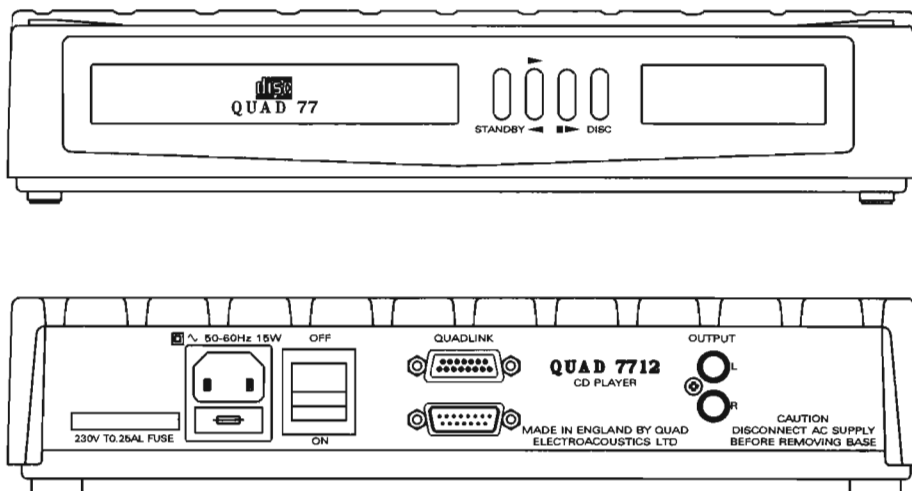
Information to the user:

Alteration or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

INTRODUCTION

The QUAD 77 Compact Disc Player is available in two versions (7712 and 7714). One is powered from the AC mains supply and is designed to be used either as part of a QUAD 77 system or as part of any other system. The other is powered by a QUADLINK bus and is designed to be used with the QUAD 77 system only. The performance of the two units is identical.

This instruction book tells you how to install both versions and how to operate your CD player from the front panel and from the QUAD 77 remote control that is available separately.

INSTALLATION

Positioning the CD player

The 77 CD player can be free-standing or stacked with other components. The player must be horizontal and must not be placed in direct sunlight or near any heat source.

Connecting to the amplifier
AC powered version
Model 7712

To connect the 77 CD player to a QUAD 77 system you must first put your 77 integrated amplifier into Standby and then switch it off using the switch on the back. Use the QUADLINK lead to connect to your 77 integrated amplifier or other QUAD 77 bus master product. Switch on the amplifier then the CD player. (*Note* that if you plug your CD player on to the bus without switching off the amplifier the microprocessor may take some time to settle, but no damage will have been done. The quickest way to reset the system is to set both units to Standby, switch off the Mains, count to five and switch on again. This resets all the logic.)

If you are connecting your 77 CD player to a system other than a QUAD system you will need to use the signal lead supplied to connect to your amplifier. Then use the mains lead supplied to plug your player in and switch on.

Your 77 CD player is now ready for operation.

Bus powered version
Model 7714

As for the AC powered version, before connecting the 77 CD player you must first put your 77 integrated amplifier into Standby and switch it off. Then connect the QUADLINK lead between the plug on the back of the 77 CD player and the appropriate socket on the back of the QUAD 77 integrated amplifier.

Switch on the amplifier. The Standby buttons on both units will glow red to show that the system is powered up and ready for operation.

OPERATION

The QUAD 77 CD player can be operated from the front panel, from the simple remote and from the QUAD 77 remote control handset.

Operation from the front panel push buttons

There are four buttons on the 77 CD player front panel. From left to right they are Standby, ▷◁ Track Next and Previous, Play □▷ and Stop, and Disc.

Name	Function
Standby	Toggles between activating or deactivating the 77 CD player.
▷◁ *Track Next and Previous*	Selects the previous or the next track.
Play □▷ and Stop	Toggles between playing a disc and stopping the disc playing.
Disc	Toggles between opening and closing the disc drawer.

To load a disc first press the Standby button on the front panel. The Standby button will go out and the DISC button will glow red. Press it to open the drawer. Load a disc then press DISC again to close the drawer. The 77 CD player will read the disc's Table of Contents (TOC) and display the number of tracks and total playing time.
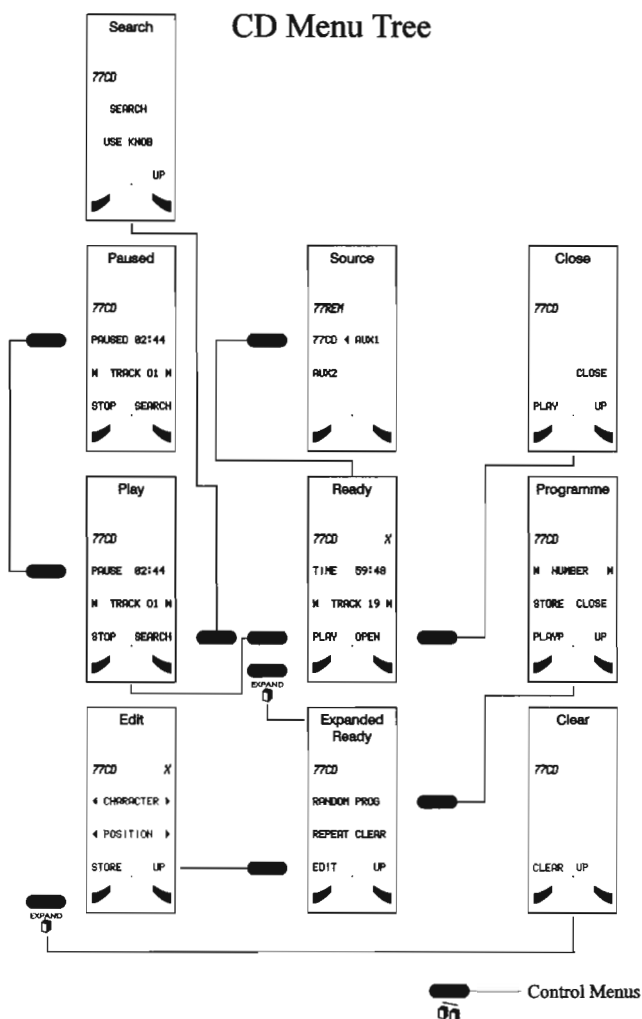
Press Play to start the disc playing and the Play LED will glow red. If your 77 CD player is part of a 77 system then the Source LED on the 77 integrated amplifier will go out and the amplifier will automatically be switched out of Standby. While the disc is playing the front panel will display the track number and the time remaining.

To select a different track use the ▷◁ Track Next and Previous button. This has a rocker action. Press the top to go forward and the bottom to go back. When the disc is playing the PLAY button becomes the STOP button, press it to stop the disc playing.

OPERATION

Operation from the QUAD 77 remote control handset

When using the 77 remote control handset you will find it helpful to refer to the QUAD 77 CD Menu Tree as this shows you the menus that are available and the routes between them.

CD Menu Tree

Search
77CD
SEARCH
USE KNOB
UP

Paused
77CD
PAUSED 02:44
◄ TRACK 01 ►
STOP   SEARCH

Source
77REM
77CD ◄ AUX1
AUX2

Close
77CD
CLOSE
PLAY   UP

Play
77CD
PAUSE 02:44
◄ TRACK 01 ►
STOP   SEARCH

Ready
77CD   X
TIME   59:48
◄ TRACK 19 ►
PLAY   OPEN

Programme
77CD
◄ NUMBER ►
STORE CLOSE
PLAYP   UP

Edit
77CD   X
◄ CHARACTER ►
◄ POSITION ►
STORE   UP

Expanded Ready
77CD
RANDOM PROG
REPEAT CLEAR
EDIT   UP

Clear
77CD
CLEAR UP

Control Menus

Activating the 77 player

Press Standby on the 77 amplifier and the Standby button on the remote. Reset the remote by holding down Source and placing the remote on its charging cradle. After a '-Please Wait-' message you will see the Reset menu. Press the Reset key. You will then be asked to 'Press any Button'. The remote will then interrogate the system and '77CD' will appear on the Source menu. The LED colour will change from red to green to show that the system is ready for operation by the remote control.

Playing the disc

Select 77CD from the Source menu. An arrow head will confirm the source you have selected. Press 77CD again to take you to the Ready menu. Open the drawer by pressing OPEN, load a disc and press CLOSE. You can use the front panel controls or the remote control. The CD player will read the disc's table of contents and display the number of tracks and total playing time on the front panel display and the Ready menu. Press PLAY to start the disc. The Play menu will appear in the display and will show the track number and time remaining.

OPERATION

Brief guide to handset functions

Other functions available from the 77 handset are as follows:

Name	Function
Pause	Interrupts play. The time remaining will be displayed on the front panel. Press PAUSE again to restart. If you leave the player in paused mode it will automatically revert to Stop after a specified period of time.
Track	Press either track button to change tracks.
Search	Press SEARCH and use the knob to search through the disc. The time display on both CD player and remote control handset is suppressed during a search. The menu will automatically revert back to Play after three seconds and the knob then becomes the volume control.

The following functions are found by expanding the Ready menu:

Name	Function
Random	Plays tracks in a completely random order.
Repeat	Plays the disc again or repeats a programmed sequence. Press Repeat-Random and the player will play tracks in random order until told to stop.
Edit	Press EDIT to get to the Edit menu which will allow you to change the name of the CD player. This is useful if you have a number of QUAD 77 CD players connected to the bus. You might decide to name them after the rooms in which they are found, for example, STUDY.
	Press either of the position buttons. This will clear the top line and show a cursor. You can move the cursor either by pressing the appropriate POSITION button or by holding down either POSITION button and using the knob. Start with the cursor to the left. Press either CHARACTER button. You can scroll through the alphabet in either direction to the letter S by holding down either CHARACTER button and using the knob. You will find a full set of upper and lower case letters plus numbers and some symbols. Press the right hand POSITION button to move the cursor one space right. Hold down a CHARACTER button and scroll to T. Move the cursor, scroll to U and so on until you have STUDY on the top line. Press STORE and the edit is complete. To clear an edit press ▤ EXPAND and then CLEAR. You can have a maximum of five characters in a button description. You will find that with a little practice editing is quick and easy.
Programming	Expand the Ready menu. Press PROG. Hold down the Number button and use the knob to scroll through tracks. Press store for each track you want to store. You can store tracks in any order and you can store any track as often as you like up to a maximum playing time of 99 minutes. Press PLAY P to play the programmed sequence. The programmed sequence is kept in store until you either open the drawer as if to remove the disc, or go to the Source menu and select another input. You can edit the programmed sequence and you can play either the programmed sequence or the normal track sequence by pressing either PLAY P on the Programme menu or PLAY on the Ready menu.

SPECIFICATION

Operation:	Full function by QUAD two way infra-red remote control or basic operation without remote control.
Frequency response:	<±0.1dB 20-20,000Hz.
Phase linearity:	<±0.5° 20-20,000Hz.
Signal/noise ratio:	>100dB 20-20,000Hz.
Crosstalk:	<100dB at 1kHz.
Total harmonic distortion:	<0.002% at 1kHz.
Wow and flutter:	Below measurement levels.
D/A conversion:	18 bit 64 x oversampling. Delta - Sigma converter.
Audio output:	2V rms max. Minimum load impedance 10kohms.
Mains voltage:	110-120V or 220-240V. 50-60Hz: see rating plate on player back.
Fuse (HRC):	220-240V T125mA. 110-120V T250mA.
Power consumption:	14W approx.
Dimensions:	Width 321mm; height 60mm; depth 300mm; drawer opens by 145mm approx.
Weight:	3.5kg approx.

MAINTENANCE

The case can be cleaned with a soft brush or, for more stubborn marks, a slightly moistened lint-free cloth. In this case remove the mains plug from the supply socket. Do not use cleaning agents, solvents or abrasives.

GUARANTEE

Your Quad 77 Compact Disc Player is guaranteed against any defect in material and workmanship for a period of two years from the date of purchase. Within this period we will supply replacement parts free of charge provided that the failure was not caused by misuse, accident or negligence.
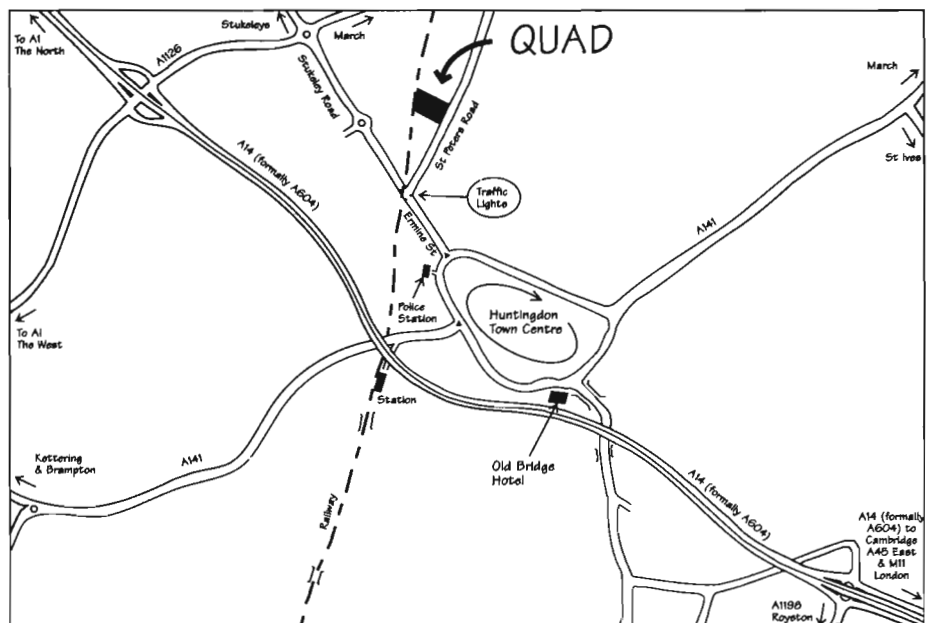
Within the UK this guarantee does not limit your statutory rights. A separate guarantee card is not supplied and your guarantee begins on the day of purchase.

SERVICE

If your 77 Compact Disc Player needs servicing, return it to the supplier, the distributor for the country of purchase or Quad Electroacoustics Ltd. Enclose a brief note giving your name and address and the reason for returning it. Quad offers a same-day service from Monday-Friday except for bank holidays. Please contact us to make an appointment.

Please keep the original packing in case you have to return the unit for service.

How to Find us

QUAD