24 BIT 192KHz CD PLAYER | m6CD

Instructions for use

Thank you for purchasing the Musical Fidelity M6 CD player.

The M6CD is a CD player that is also useable as a top quality DAC for other digital sources. It features separately selectable SPDIF and optical inputs to allow other sources such as DAB radio, Minidisk, DAT etc. to take advantage of the top quality up-sampling digital to analogue conversion circuits within. This will free up analogue inputs on the following amplifier and obtain the absolute best in audio quality from the digital source.

The M6CD consists of a top quality CD loading mechanism with unsurpassed playability and a top quality up-sampling 24 bit digital-to-analogue converter. This moves the digital artefacts to well outside the audio band, allowing easy removal without detriment to the top end of the audio band. Our well tuned filtering circuit gives immeasurably small jitter, noise and distortion artefacts allowing astounding imaging, detail and transparency, to deliver all music types exactly as the artist originally intended.

There is also a separately selectable USB input which can be used with any USB equipped computer to create a great sounding multimedia jukebox capable of many hours continuous and unrepeated playback of audio media files of any format. As the signal is sent through the same up-sampling process as before; the sound quality is immensely improved over the poor quality output of the computer's analogue circuits.

The M6CD is designed to be partnered with present and future M6 series products. This combination yields one of the best high-fidelity systems available at any price.

Used properly and carefully, it should give many years of outstanding musical reproduction.

Dust regularly with a soft duster or soft brush, but be careful when using cleaning or polishing agents - they may harm the surface finish.

If there are any questions about the audio system, please consult the dealer who is there to help and advise.

MUSICAL FIDELITY

CONTENTS

SAFETY INFORMATION

CLASS 1 LASER PRODUCT

The M6CD is a CD player which has been designed and manufactured according to FDA regulations "title 21, CFR, chapter 1, sub-chapter J, based on the Radiation Control for Health and Safety Act of 1968", and is classified as a Class 1 laser product. There is no hazardous radiation during normal use because invisible radiation emitted inside this product is completely confined within the protective housing. However you must observe the following important warnings:

CAUTION!

THIS CD PLAYER USES INVISIBLE LASER LIGHT. WHEN THE PLAYER OPERATES, LASER LIGHT IS RADIATED INTERNALLY. DO NOT REMOVE THE PROTECTIVE HOUSINGS.
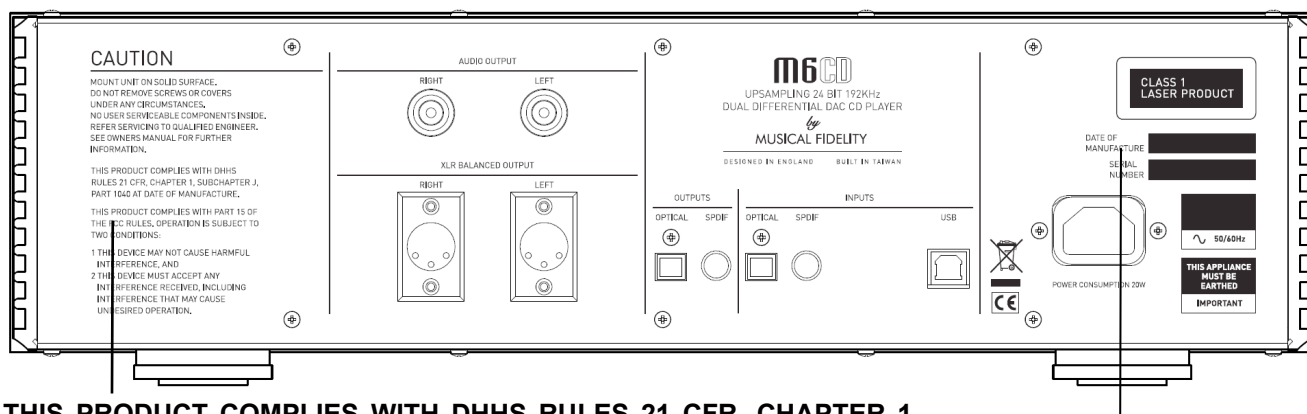**USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE CAUSING EYE INJURY.**

IF THIS PRODUCT DEVELOPS A FAULT, PLEASE CONTACT YOUR AUTHORISED MUSICAL FIDELITY SERVICE AGENT. DO NOT ATTEMPT TO SERVICE IT YOUR-SELF AND DO NOT CONTINUE TO USE THIS PRODUCT IN A FAULTY STATE.

INTERNAL LASER WARNING LABELS

CAUTION!
CLASS 1
LASER
PRODUCT

CAUTION	- INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.
VORSICH!	- UNSICHTBARE LASERSTRAHLUNG TRITT AUS, WENN DECKEL GEÖFFNET UND WENN SICHERHEITSVERRIEGELUNG ÖBERBRÖCT IST. NICHT DEM STRAHL AUSSETZEN!
VARNING	- OSYNLIG LASERSTRALNING NÄR DENNA DEL AR ÖPPNAD OCH SPÄRR ÄR URKOPPLAD. STRALEN AL FARLIG.
ADVARSEL	- USYNLIG LASERSTRAKING VED ABNING, NAR SIKKERHEDSAFBRYDEREER UDE AF FUNCTION UNDGA UDSÆTTELSE FOR STRALING.
VAROITUSI	- SUOJAKOTELOA EI SAA AVATA LAITE SISÄLTÄÄ LASERDIODIN, JOKA LAHETTÄÄ (NAKYMATONTA) SILMILLE VAARALLISTA LASERSATEILYA.

REAR PANEL

THIS PRODUCT COMPLIES WITH DHHS RULES 21 CFR, CHAPTER 1, SUBCHAPTER J, PART 1040 AT DATE OF MANUFACTURE.
THIS PRODUCT COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO TWO CONDITIONS:
1. THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
2. THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

CLASS 1
LASER PRODUCT

IMPORTANT! (U.K. only)

This unit is supplied in the U.K. with mains lead fitted with a moulded 13 amp plug. If, for any reason, it is necessary to remove the plug, please remove the fuse holder and dispose of the plug safely, out of reach of children.

It must not be plugged into a mains outlet.

The wires in the mains lead supplied with this appliance are coloured in accordance with the following code:

> **Green and yellow** ....Earth
> **Blue**.. Neutral
> **Brown** ....Live

WARNING – This appliance MUST be earthed

As the colours of the wires of the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in the plug, proceed as follows:

• The wire which is coloured green-and-yellow must be connected to the terminal in the plug which is marked with the letter E or coloured green or green-and-yellow, or by the earth symbol:

• The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

• The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

• If connecting to a BS1363 plug, a 13 amp fuse must be used.

> **WARNING:**
>
> **ANY MODIFICATIONS TO THIS PRODUCT NOT EXPRESSLY APPROVED BY MUSICAL FIDELITY WHO IS THE PARTY RESPONSIBLE FOR STANDARDS COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THIS EQUIPMENT.**

Installation, Precautions & User Information

This new M6CD is designed and built to provide trouble-free performance, but as with all electronic devices it is necessary to observe a few precautions:

• Heed all warnings shown on the back of the product.

• Only connect the M6CD to a mains outlet having the same voltage as marked at the back of the unit.

• Always ensure that when disconnecting and reconnecting your audio equipment the mains supply is switched off.

• Position the mains lead and signal interconnects where they are not likely to be walked on or trapped by items placed on them.

• Do not use near water, or place water-filled containers on the M6CD, for example, a flower vase or potted plants. **If water does spill inside, immediately pull out the mains plug from the wall socket and inform your dealer, who should then check the unit before further use. Entry of liquid into the M6CD is dangerous, and may cause electric shock or fire hazard.**

• Do not place the unit near direct heat sources such as radiators, direct sunlight or other equipment.

• Do not remove any covers or try to gain access to the inside. There are no internal adjustments or fuses you can replace yourself. Refer all service work to an authorised Musical Fidelity agent. ** Note: Unauthorised opening of the equipment will invalidate any warranty claim.*

• Dust regularly with a soft cloth or soft brush but be careful when using cleaning or polishing agents - they may harm the surface finish.

The electronics in modern hi-fi equipment is complex and may, therefore, be adversely affected or damaged by lightning. For protection of the audio system during electrical storms, remove the mains plugs.

If after-sales service is required, to help the dealer identify the M6CD please quote the serial number located on the rear panel of the unit.

DISPOSAL

The crossed out wheeled bin label that appears on the back panel of the product indicates that the product must not be disposed of as normal household waste. To prevent possible harm to the environment please separate the product from other waste to ensure that it can be recycled in an environmentally safe manner. Please contact local government office or retailer for available collection facilities.

DISPOSITION

La poubelle sur roulettes barrées X, qui apparaît en logo sur le panneau arrière du produit, indique que celui-ci ne doit pas être traité comme un déchet domestique commun. Afin de protéger l'environnement, ce produit électronique devra être géré séparément et donc recyclé selon les nouvelles normes Européennes Rohs concernant les déchets d'appareils électroniques. Prière de contacter les services concernés gouvernementaux ou votre point de vente pour l'élimination et l'enlèvement de déchets électroniques équipés de composants électroniques.

DISPOSAL

La etiqueta cruzada hacia fuera del compartimiento que aparece en el panel trasero del producto indica que el producto no se debe reciclarse como basura normal de la casa. Para prevenir daños posible al ambiente separe por favor el producto de otras basura para asegurarse de que puede ser reciclada de una manera ambientalmente segura. Entre en contacto por favor a su oficina gubernamental local o a su minorista para las instalaciones disponibles de la colección.

RIFIUTI

L'etichetta del cassonetto barrato riportato sul retro dell'apparecchio indica che il prodotto non deve essere smaltito tramite la procedura normale di smaltimento dei rifiuti domestici. Per evitare eventuali danni all'ambiente, separare questo prodotto da altri rifiuti domestici in modo che possa venire riciclato in base alle procedure di rispetto ambientale. Per maggiori dettagli sulle aree di raccolta disponibili, contattate l'ufficio govenativo locale od il rivenditore del prodotto.

FACHGERECHTE ENTSORGUNG:

Das auf der Geräterückseite angebrachte Label deutet darauf hin, dass das Produkt nicht mit konventionellem Hauskehricht entsorgt werden darf. Um Schäden und Verschmutzungen an Umwelt und Mensch zu vermeiden, muss das Produkt fachgerecht entsorgt und von anderem Abfall getrennt werden. Wenden Sie sich bei Fragen hierzu an Ihren Fachhändler oder an eine öffentliche Informationsstelle.

AFVAL

Het label op de achterzijde van dit apparaat, een afvalbak op wielen met een kruis doorgehaald, geeft aan dat dit apparaat niet samen met gewoon huishoudafval mag worden weggegooid. Om mogelijke schade aan onze leefomgeving te voorkomen dient dit apparaat, gescheiden van gewoon huishoudelijk afval, te worden afgevoerd zodat het op een milieuvriendelijke manier kan worden gerecycled. Neem voor beschikbare inzamelplaatsen contact op met uw gemeentelijke reinigingsdienst of met uw elektronica leverancier.

HÄVITTÄMINEN

Yliruksattua jäteastiaa kuvaava tarra tuotteen takalevyssä kertoo, että tuotetta ei saa käsitellä normaalina talousjätteenä. Ympäristön suojelemiseksi on tuote pidettävä erillään muusta jätteestä ja se on kierrätettävä ekologisesti kestävällä tavalla. Ota yhteyttä laitteen myyjään tai Pirkanmaan Ympäristökeskukseen lähimmän kierrätyskeskuksen löytämiseksi.

AFSKAFNING

Logoet med en skraldespand med kryds over på bagsiden af apparatet indikerer at dette produkt ikke må kasseres som normal husholdningsaffald. For at forebygge mulig skade på miljøet, bedes De separere dette produkt fra andet affald, og sikre at det bliver genbrugt på en miljørigtig måde. Kontakt venligst de lokale myndigheder eller din forhandler for oplysning om nærmeste tilgængelige opsamlingssted for elektronikaffald.

ΔΙΑΔΙΚΑΣΙΑ ΑΠΟΡΡΙΨΗΣ

ΤΟ ΣΗΜΑ ΜΕ ΤΟΝ ΔΙΑΓΕΓΡΑΜΜΕΝΟ ΤΡΟΧΗΛΑΤΟ ΚΑΔΟ ΑΠΟΡΡΙΜΑΤΩΝ ΣΤΗΝ ΠΙΣΩ ΟΨΗ ΤΟΥ ΜΗΧΑΝΗΜΑΤΟΣ
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ΠΑΡΑΚΑΛΟΥΜΕ ΝΑ ΕΠΙΚΟΙΝΩΝΗΣΕΤΕ ΜΕ ΤΗΝ ΤΟΠΙΚΗ ΥΠΗΡΕΣΙΑ ΑΝΑΚΥΚΛΩΣΗΣ Η ΜΕ ΤΟ ΚΑΤΑΣΤΗΜΑ ΑΓΟΡΑΣ ΓΙΑ ΠΕΡΙΣΣΟΤΕΡΕΣ ΛΕΠΤΟΜΕΡΕΙΕΣ.

Introduction

Congratulations on the purchase of the new M6CD player. This unit will give top quality performance when used as:

- A top quality CD player delivering the best performance possible from CD

- A top quality DAC (digital to analogue converter) for other sources with digital outputs such as DAB radio, Minidisc, DAT, TV, etc. delivering the best audio performance using these sources

- A top quality USB DAC for PC or MAC computers delivering unsurpassed musical performance from any computer audio/music files the computer can play.

Cleaning

Before cleaning the unit, switch off power at the mains switch and remove the mains plug from the wall socket. Clean the cabinet and remote control unit using a moist cloth. Using solvents, white spirit or thinners is not advised, as they could damage the surface finish.

Installation

Position the M6CD on a stable, horizontal surface where there is no risk of it being knocked, or subjected to vibration such as from loudspeakers.

Important note:

In normal operation, the unit dissipates a small quantity of power at all times, and it is important that it is adequately ventilated. The top and bottom are perforated to allow the smooth flow of heat through the unit. It is therefore not recommended that the unit is enclosed in a cabinet or placed where the ventilation holes are impeded as this could result in excessive heat build-up.

The M6CD must be protected from humidity – if the unit is moved from a cold place to a warm room, leave the unit for an hour or so to allow sufficient time for the moisture to evaporate.

Power Connections

The M6CD is supplied with a standard IEC mains cable which plugs into the IEC socket at the back of the unit

Audio Connections

XLR audio outputs: Use good quality XLR balanced audio cables (fully connected signals and ground), for optimum signal transfer. This gives the best performance from the CD player when used in conjunction with an amplifier with fully balanced input such as the Musical Fidelity M6i Integrated.

RCA audio outputs: Use good quality RCA phono audio cables (fully connected signal and ground), for optimum signal transfer.

Digital Connections

RCA digital (SP/DIF) input: Connect RCA digital sources to RCA digital inputs. Use good quality fully connected (signal and ground) coaxial digital cables for optimum RCA digital signal transfer.

Optical (TOSLINK) input: Connect optical digital source to optical input. Use good quality "Toslink" cables, for optimum signal transfer.

USB (type "B") input: Connect USB digital source (such as computer, PDA etc.) to USB input. Use good quality USB 2.0 cable, for optimum signal transfer.
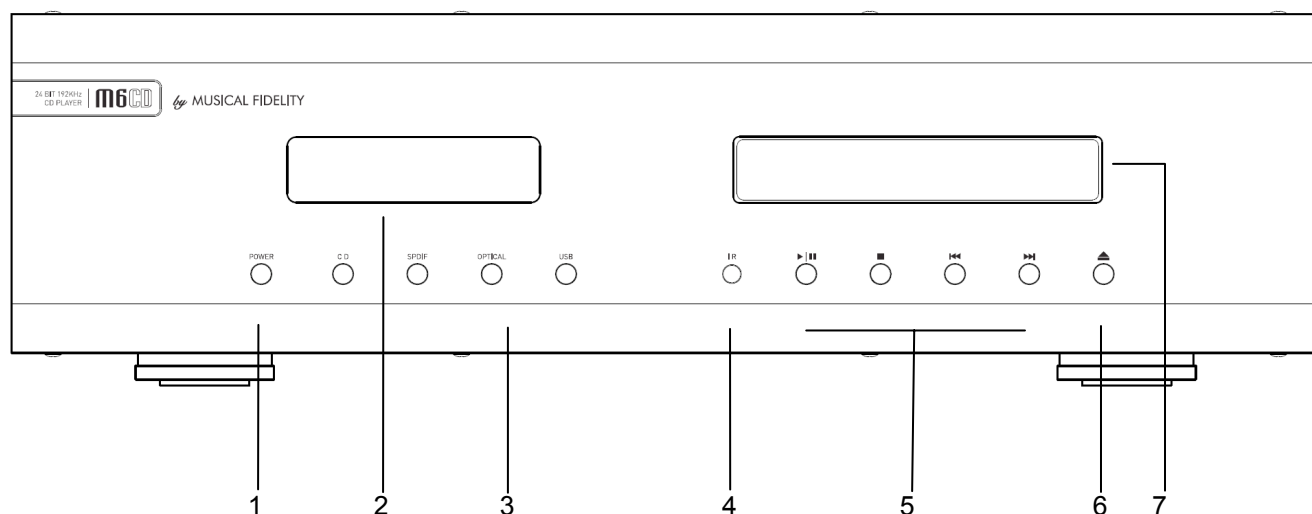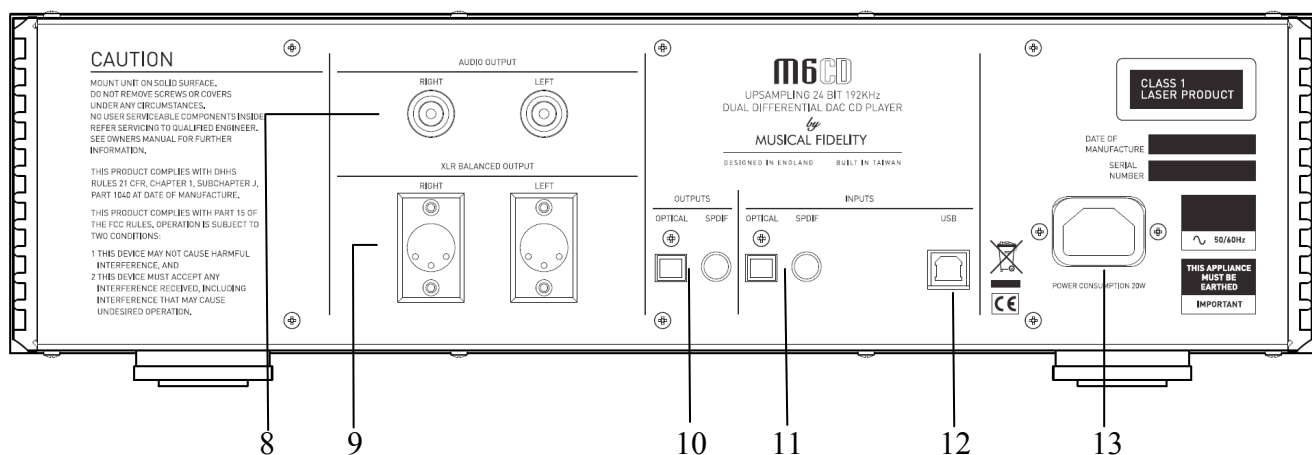
RCA digital (SP/DIF) output: Connect RCA digital receiver to RCA digital outputs. Use good quality fully connected (signal and ground) coaxial digital cables for optimum RCA digital signal transfer.

Optical (TOSLINK) output: Connect optical digital receiver to optical output. Use good quality "Toslink" cables, for optimum signal transfer.

24 BIT 192KHz CD PLAYER | **M6CD**

| | | | | | | |
|1|2|3|4|5|6|7|

1 **ON/OFF** Button

2 **DISPLAY**

3 **CD, SPDIF, OPTICAL, USB SOURCE** selector buttons

4 **IR RECEIVER** lens

5 **PLAY/PAUSE, STOP, ◄◄, ►►** buttons

6 **STOP/EJECT** button

7 **CD TRAY**

CAUTION

MOUNT UNIT ON SOLID SURFACE. DO NOT REMOVE SCREWS OR COVERS UNDER ANY CIRCUMSTANCES. NO USER SERVICEABLE COMPONENTS INSIDE. REFER SERVICING TO QUALIFIED ENGINEER. SEE OWNERS MANUAL FOR FURTHER INFORMATION.

THIS PRODUCT COMPLIES WITH DHHS RULES 21 CFR, CHAPTER 1, SUBCHAPTER J, PART 1040 AT DATE OF MANUFACTURE.

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2 THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

AUDIO OUTPUT
RIGHT   LEFT

XLR BALANCED OUTPUT
RIGHT   LEFT

M6CD
UPSAMPLING 24 BIT 192KHz
DUAL DIFFERENTIAL DAC CD PLAYER
by
MUSICAL FIDELITY
DESIGNED IN ENGLAND   BUILT IN TAIWAN

OUTPUTS   INPUTS
OPTICAL SPDIF   OPTICAL SPDIF   USB

CLASS 1 LASER PRODUCT

DATE OF MANUFACTURE
SERIAL NUMBER

50/60Hz
POWER CONSUMPTION 20W
THIS APPLIANCE MUST BE EARTHED
IMPORTANT

| | | | | |
|8|9|10|11|12|13|

8 **RCA OUTPUTS** right and left

9 **BALANCED XLR OUTPUTS** right and left

10 **OPTICAL & SPDIF** digital outputs

11 **OPTICAL & SPDIF** digital inputs

12 **USB** digital input (type "B").

13 **IEC MAINS INPUT**

The universal remote control shown below enables functions from this and related units to be operated from a convenient distance.

Equivalent buttons on the remote control have the same functions as those on the front panel of the unit. Other functions are only available by remote control.

As the handset uses an invisible infra-red light beam, the front edge must be pointed directly towards the receiver window at the front of the player, without visual obstruction between them.

If the range of the remote control greatly decreases, replace the batteries with new ones. Do not mix old and new batteries – two are required, size AAA, LR03 or SUM-4.

Please dispose of used batteries in accordance to local regulations.

CD Digital input section

CD - selects internal CD player (on CD)

SPDIF – selects SPDIF (RCA coax) input

Amplifier section

BALANCED - selects balanced input

USB – selects USB input (on amplifier)

AUX/HT - selects AUX/HT input

CD - selects CD input (on amplifier)

TUNER - selects TUNER input

TAPE - selects TAPE input

CD player section

TIME – displays track time/time remaining

0-9 Buttons – Used to select track numbers

CHECK – check pre-programmed tracks

PROGRAM – programs selection and order of tracks

INTRO – plays first 10 seconds of each track

REPEAT – repeats whole disk or selected tracks

SEARCH – fast forward/backward through track

STOP – Stop playing/Eject CD

OPTICAL – selects optical input

USB – selects USB input (on CD)

MUTE - mutes speaker outputs (until pressed again).

VOLUME ▲ - increases volume

VOLUME ▼ - reduces volume

DISPLAY – dims display

CLEAR – clears selected pre programmed track

A/B sets repeat start/end to repeat section of track

SHUFFLE – plays back tracks in random order

TRACK – next/previous track

PAUSE/PLAY – stop/start CD playback

LOADING AND PLAYING COMPACT DISCS

To use the CD, press the CD button on the front panel. Alternatively, use the CD button on the remote control.

```
NO DISC
cd
```

To load a disc, press OPEN/CLOSE button to gain access to the tray. Display will show "OPEN"

```
OPEN
cd
```

When the tray is fully extended, gently place the disc, with the label facing upwards, centrally into the indentation and press the OPEN/CLOSE or PLAY button so the displays show "CLOSE".

```
CLOSE
cd
```

The unit will scan the contents of the disc. After a short delay, the display windows then show the total number of tracks available on the CD, and total playing time. In the following example there are 7 tracks, lasting a total of 41 minutes 56 seconds

```
STOP   7    41:56
cd
```

DISC PLAY

If **PLAY/PAUSE** is pressed, the unit will begin playing from track 1, confirmed by the word **PLAY** appearing on the left of the display, with **1** in the centre and elapsed time on the right.

```
PLAY   1     0:01
cd
```

When all tracks on the CD have been played, the display shows **STOP** and total number of tracks on the disc.

PAUSE

Pressing the **PLAY/PAUSE** button when disc is playing will hold up playback. **PAUSE** appears in the display windows instead of **PLAY**. The disc will continue spinning, but the track does not advance and the CD's output is muted.

```
PAUSE  1     0:03
cd
```

Pressing **PLAY/PAUSE** again resumes playback from the same place.

PAUSE (Remote control)

On the remote control, **PLAY** and **PAUSE** buttons have separate functions at each end of the same button. Pressing **PLAY** will only control disc play, and Pressing **PAUSE** will not resume play. Note that if the disc is already playing, pressing the **PLAY** button reverts to the beginning of the current track.

STOP
Playback can be stopped at any time by pressing the **STOP** button once. On the remote control, press either end of the button, not the middle part. If mains power to the unit is switched on with a disc already loaded, it will automatically search for the disc.

TRACK SELECTION
To change track, the track skip buttons **PREVIOUS** and **NEXT** on the front panel can be pressed to jump forwards or backwards one track in either direction.
Corresponding **TRACK** buttons on the remote control are marked **|<<** and **>>|**.
If the unit has stopped playing, a specific track can be accessed directly by pressing either **PREVIOUS** or **NEXT** to obtain the required track number, then pressing **PLAY/PAUSE**.

TRACK SELECTION (Remote control)
Simply press the **PLAY** button to start a CD playing from the first track.
 Alternatively, a specific track can be selected directly by pressing one of the ten track number buttons grouped in the centre-section of the remote control. The chosen track then plays after a short delay of about 5 seconds. To play a track number with two digits, press the second digit button on the remote control within this delay period, example for track 17:
Press 1:

```
PLAY    1
cd
```

Press 7 within about 5 seconds:

```
PLAY    17
cd
```

After a small pause, machine plays selected track:

```
PLAY    17      0:01
cd
```

If a track number is chosen which is not available on the disc, for example pressing button number 9 if the CD has only 7 tracks, an INVALID TRACK message is briefly displayed.

```
INVALID TRACK
```

REPEAT PLAYBACK
The **REPEAT** button on the remote control allows the repeated playback of either one track or all tracks on the disc.
By pressing the **REPEAT** button once, only the current track is repeated, and the display shows

```
PLAY   1      0:12
cd    repeat track
```

If the **REPEAT** button is pressed a second time, "**repeat disc**" is displayed instead, and the entire disc is then played repeatedly.

```
PLAY   1      0:24
cd     repeat disk
```

Pressing **REPEAT** a third time cancels repeat mode.

A-B REPEAT PLAYBACK
"A-B repeat" provides the option of playing just a certain section of the disc over and over again.
Find the beginning of the required section either by listening, or using the display time as a guide.
When the desired starting point is reached, press button **A / B** on the remote control.
The display will show

```
PLAY   1      0:34
cd      repeat a-
```

When the disc has reached the end of the required section, press the **A / B** button again, to display

```
PLAY   1      1:55
cd      repeat a-b
```

 and the unit continuously plays the selected part of the disc in this case, the segment of track 1 from 34 seconds to 1 minute 55 seconds. To cancel A-B repeat mode, press **A / B** on the remote control.

SHUFFLE PLAYBACK
The SHUFFLE feature allows tracks on the discs to be played in random sequence rather than the normal consecutive order.

```
PLAY   1      0:34
cd     shuffle disc
```

Tracks are also played in a different order each time the disc is restarted, or another disc loaded. This function is obtained by pressing **SHUFFLE** on the remote control with the unit either stopped or playing. If the M6CD is already playing, play will continue in random order until all tracks on the disc have been played.
  Shuffle play is cancelled by pressing the **SHUFFLE** button a second time. The unit resumes normal play function, continuing to the end of the disc in normal order starting from wherever it was left by the previous random selection.
From stop mode, pressing **PLAY/PAUSE** also begins shuffle play.

If **REPEAT** is then pressed whilst in shuffle mode, a repeat shuffle function is obtained

```
PLAY    7       0:39
cd      repeat shuff
```

Pressing >>| selects the next track in random order.

SCAN INTRODUCTION
The scan-introduction function allows play back of just the start of each track on the disc, for instance to locate a preferred track by ear.
Press **INTRO** on the remote control, and if the player has stopped, the display will show

```
STOP  74
cd        scan intro
```

The first ten seconds (approximately) of each track on the CD can then be played in sequence by pressing either **PLAY/PAUSE** on the front panel, or **PLAY** on the remote control.
Press **INTRO** again to cancel introduction search mode. If **INTRO** mode is cancelled while the M6CD is still playing, the remainder of the entire disc will be played.

PROGRAMMED PLAY
The built-in program memory allows you to store up to 99 track numbers and then play them back in the held order. Each track is stored as a "step" in the program.
With the CD loaded and the player stopped, first press **PROGRAM** on the remote control. The following is then displayed :

```
STOP   74
cd         pr 1  tr 0
```

On the remote control, press the numeric button of the track number corresponding to the first track you wish to store (number 3 for example). That track number will now appear in the display:

```
STOP   74
cd         pr 1  tr 3
```

Press **PROGRAM** again on the remote control - the next program step is selected, **(program 2)** and the program number increases, ready for a new entry with previous programmed track number still displayed.

```
STOP   74
cd         pr 2  tr 3
```

Continue entering track numbers in the same way up to a maximum of 99. If more than 99 tracks are attempted the memory will not accept any extra ones, and the display reverts to "**program 1**".
 Remember that when entering a single-digit track number, there is a delay of about two seconds before the display accepts the entry - this is to allow time for a second button to be pressed when a double-digit number is required.

If an incorrect entry is made, say track 99 when there are only 7 tracks available on the disc, a brief error message is displayed

```
INVALID TRACK
cd        pr 2   tr 9
```

If at any time you wish to add a track to the list, press the **CLEAR** button to obtain the next step number. Alternatively, to delete a previous entry, press **CLEAR** a second time to remove the last entry. Repeated pressing of **CLEAR** will then erase each step in reverse order. So to delete an entire program sequence from the memory, press **CLEAR** repeatedly until "**program 1**" is shown in the display.
 When the last track number has been entered, press **PROGRAM** a final time, then the **PLAY** button to start the program sequence.

```
PLAY   1      0:41
cd      play program
```

If you wish to check the selection before playing back your program, the **CHECK** button can be pressed to step through each program entry in turn.
If during this check sequence the **PLAY** button is pressed, the remaining part of your programmed selection will play to the end of the sequence.
Otherwise, to play all the programmed tracks from the beginning of the sequence, press **PLAY/PAUSE**, or **PLAY** on the remote control directly from programming. You can also start the sequence from any point by stepping through the programmed sequence with **CHECK** button until the desired starting track is displayed.

 The **>>|** button may be pressed to jump to the next track in the programmed sequence, or **|<<** button to obtain the previous track in the sequence.

When all programmed tracks have played, the CD player stops. The same track selection can then be played again by pressing the **PLAY/PAUSE** button on the front panel, or **PLAY** on the remote control.
To repeat a programmed sequence continually, press **REPEAT** whilst playing the program.
To cancel this mode, press **PROGRAM**.

Note: The program contents will be cleared if you switch off the power, or open the arm and load another disc. If, however, the same disc is loaded again with the power still switched on, the program sequence is retained in the memory.

DISPLAY
 The CD display brightness can be controlled in three levels by pressing the **DISPLAY** button on the remote control.
The original setting is maximum brightness, but by pressing the **DISPLAY** button once, brightness is reduced, and a further press turns the display off. This controls display in CD, and external source modes.

SPDIF input
To use the SPDIF input, press the SPDIF button on the front panel. Alternatively, use the SPDIF button on the remote control. The display will flash "not locked" in absence of digital input signal. If a signal is present, the display will show a steady "locked" message.

```
SPDIF   locked
```

OPTICAL input
To use the OPTICAL input, press the OPTICAL button on the front panel. Alternatively, use the OPTICAL button on the remote control. The display will flash "not locked" in absence of digital input signal. If a signal is present, the display will show a steady "locked" message.

```
optical locked
```

USB input
To use the USB input, press the USB button on the front panel. Alternatively, use the USB button on the remote control.
The display will flash "not locked" in absence of digital input signal. If a signal is present, the display will show a steady "locked" message.

```
usb   locked
```

Computer settings for USB
A good quality USB A to B cable is required to connect the unit to the computer.
Plug the B (square) end into the socket in the back of the M6CD
Plug the A (rectangle) end into a free USB socket on the computer.
The computer should detect the new hardware and install a generic driver automatically (No setup or driver disk required).
CD, MP3, WAV files played on any software should now play through the M6CD. This device has been designed to work with PC Windows 98, ME, 2000, XP as well as Apple Macintosh OS X.
Please note:
This device is a high speed serial data processor, and by its nature, requires a very high volume of USB band width. It will benefit greatly from being the only device connected on its USB 'bus'. Sharing the same bus with other devices may cause unwanted artifacts such as dropouts or temporary loss of signal. This especially includes the use of the M6CD on a USB hub/splitter alongside other USB components
PC users-
Check the computer has picked up the device and is currently using it by clicking: (most Windows versions)
- Start
- Settings
- Control panel
- Sounds and Multimedia
- Audio
Check that "USB audio device" appears under PREFERRED AUDIO DEVICE tab
A second mixer will now be available which will be the default mixer whenever the M6CD is plugged in. Use this mixer to select the source or adjust levels if required.
Mac users-
Check the computer has picked up the device and is currently using it by clicking: (MAC OS X)
- System preferences
- Hardware
- Sound
Check that "USB audio DAC" is selected under the OUTPUT tab.
If the computer's warning sounds/chimes are to played through the M6CD, make sure it is selected under the SOUND EFFECTS tab too.
Note: USB may also be selected as an output in some individual programs

MUSICAL FIDELITY

Basic problem-solving with a CD player is similar to troubleshooting other electrical or electronic equipment. Always check the most obvious possible causes first, such as the following examples:

Problem	Probable Cause	Remedy
No power / display	Power plug is not inserted into socket correctly	Plug in securely into unit's IEC socket.
No playback when disc is loaded, "NO DISC" displayed	Disc is loaded with label side down Incorrect disc type Dirty disc Moisture/humidity or cold affecting laser lens	Re-load with label side up Please load a standard audio CD Clean disk and try again Leave unit on for an hour to allow moisture to evaporate.
No audio output, or too low level output	Incorrect or missing connections	Check connections are secure.
Hum	Audio connector plug not fully pushed in Cable Fault Unsuitable Cable (e.g. cable grounds not connected)	Insert plug securely Check cable is connected at both ends. N.B. some esoteric cables have internal wiring intentionally disconnected/modified. For best results on all inputs analogue AND digital, please use good quality screened coax; signal and screen directly connected both ends.
Miss-tracking (sound jumping)	Player is receiving vibration or shock Disc is dirty Moisture/humidity or cold affecting laser lens.	Move player away from loudspeakers etc. Clean disc surface Leave unit on for an hour to allow moisture to evaporate.
No audio output from USB input	USB Driver not selected (PC or MAC)	Check connections are secure. See P.15 **Computer settings for USB**.
Not detected when connected to USB	USB Cable faulty USB not working/enabled on computer Correct USB drivers not installed (can happen particularly with factory- preinstalled Windows operating systems)	Check and replace cable Check USB port functions with another device. Please check with the computer manufacturer. Enquire about USB driver.
Dropouts in sound (USB input)	Shared USB port with another device Computer busy with another application Computer low on resources	Avoid sharing the USB port with other devices, if possible. At times an application/program may intervene, sometimes invisibly e.g. a virus scanner. When this happens, computer resources are temporarily used up, and playback may falter. This is not a fault. Try running fewer applications if possible.
Remote control does not work	Power supply switch is set to off	Set switch to on
	Battery(ies) fitted the wrong way round	Insert batteries correctly
	Batteries are flat	Change batteries for a new set
	Control is not pointed directly towards the front panel of the player	Ensure there is no obstruction between the remote control and player front
Remote control range has reduced	Batteries are running out	Change batteries – for a new set

 This product contains a PHILIPS CD mechanism, which complies with the PHILIPS/SONY red book CDDA standard. It is guaranteed to play all disks with the "compact disc digital audio" badge (see left) without any problems.

Please note that due to "piracy" concerns, some record companies/pressing plants are creating disks that do not adhere to this standard. Such disks may –or- may not play in some –or- all CD player products of _any_ manufacturer. We advise caution in using these disks, as the information contained therein has been deliberately manipulated and can cause audio degradation and/or playability problems.

We also advise caution with using cheap and/or computer CD-R/RW disks for audio. To ensure optimum reliability and performance we recommend all home-generated CDs intended for playback on this unit are recorded as CDDA AUDIO CDs (i.e. _not_ MP3, WAV, etc.) on good quality AUDIO grade CD-Rs.

Remember - the most vulnerable part of a CD playing system is the disc itself. The most likely cause of a disc not playing is that the disc itself is faulty, scratched or simply dirty. Never open the case of the unit yourself, as this will invalidate the guarantee. If none of the above actions affect a cure, please contact your dealer or Musical Fidelity service agent.

Output

Output impedance	50 ohms balanced or single ended
Output, digital 0dB level	XLR output - 4.4V r.m.s. balanced nominal
	RCA output - 2.2V r.m.s. single ended nominal

DAC (balanced and single-ended outputs)

DAC circuit	24 bit Delta-Sigma (bit stream) dual differential 8x over-sampling
Total correlated jitter	<135 picoseconds peak to peak
Linearity	<0.1dB down to -96dB
Frequency response	10Hz to 20 kHz -0.2dB max.
Channel separation	>105dB 20 Hz to 20 kHz
Signal-to-noise ratio	>117dB "a"- wtd.
Total harmonic distortion	<0.003% 10Hz to 20 kHz

Connections

Line level outputs	1 pair line level RCA connectors, left and right outputs
	1 pair line level XLR connectors, left and right outputs
Digital outputs	1 RCA coaxial connector SPDIF
	1 TOSLINK optical connector
Digital inputs	1 RCA coaxial connector SPDIF
	1 TOSLINK optical connector
USB input	USB type "B" (square) socket

Power requirement

Mains voltages	115/230VAC 50/60Hz (factory pre-set)
	100VAC 50/60Hz (alternative)
Consumption	20 Watts maximum

Weight

Unit only, unboxed	11.2 kg (24⅔ lbs)
In shipping carton	15.5 kg (34 lbs)

Dimensions

Wide	440 mm (17⅓")
High, including feet	125 mm (5")
Deep (front to back) including terminals	385 mm (15⅛")

Standard accessories

IEC type mains lead (10-Amp type)
M6 remote control
Batteries, LR03 or AAA, manganese alkaline type - 2 off

Musical Fidelity reserves the right to make improvements which may result in specification or feature changes without notice.

CE

RELEASE	**DATE**	**CHANGES**
Issue 1	24th July 2009	1st issue