Thank you for purchasing the Musical Fidelity X-RAY V8

This model uses the top quality CD transport, ultra low jitter 24 Bit DAC technology and further jitter reduction techniques to achieve both an excellent technical specification and unparalleled CD sound quality. The X-RAY V8 is a perfect answer to CD requirements in a small, beautifully engineered package.

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 you have any questions about your audio system, please consult your dealer who is there to help and advise.
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The X-RAY V8 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**

**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.
LASER INFORMATION:

<table>
<thead>
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<th>Optical pick-up</th>
<th>Manufacturer: Sharp</th>
</tr>
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<tr>
<td></td>
<td>Pick-up type: GH6C005B</td>
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<td>Wavelength: 780nm</td>
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RADIO - FREQUENCY INTERFERENCE (RFI)

This equipment uses and can radiate radio frequency energy, and if not installed and operated in accordance with the instructions, may cause interference to radio communications.

However, it is designed to radiate minimal levels of RFI, and accordingly been testing to North American standards (FCC regulations - limits for a class B digital device pursuant to part 15 of the rules). These requirements are intended to provide reasonable protection against excessive interference in a residential installation.

Conversely, the product has also been checked to ensure that its own operation is not adversely affected by normal background levels of RFI received externally.

However, if interference is experienced, for instance to radio or TV broadcasts, the user is recommended to try one or more of the following measures:

- Identify the source of interference by turning off power to the CD player or other equipment individually, and checking whether the problem disappears.
- Re-orientate or relocate the receiving aerial.
- Move the CD player away from the receiver.
- Connect the CD player to a mains outlet on a different circuit from the receiver.
- Consult a dealer or experienced TV/radio technician for help.

If a problem persists, please contact Musical Fidelity's service department.
**INSTALLATION PRECAUTIONS and USER INFORMATION**

Your new X-RAY V8 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 X-RAY V8 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 X-RAY V8, 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 X-RAY V8 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 your audio system during electrical storms, remove the mains plugs and disconnect any aerial lead.

If after-sales service is required, to help your dealer identify the X-RAY V8 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 your local government office or your retailer for available collection facilities.

**DISPOSITION**
La etiqueta cruzada hacia fuera del compartimento que aparece en el panel trasero del producto indica que el producto no se debe reciclar como basura normal de la casa. Para prevenir daños posible al ambiente separe por favor el producto de otras basura para asegurar 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 coleción.

**DISPOSAL**
La etiqueta cruzada hacia fuera del compartimento que aparece en el panel trasero del producto indica que el producto no se debe reciclar como basura normal de la casa. Para prevenir daños posible al ambiente separe por favor el producto de otras basura para asegurar 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 coleción.

**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 governativo locale o il rivenditore del prodotto.

**FACHGERECHTE ENTSORGUNG:**
Das auf der Geräterückseite angebrachte Label deutet darauf hin, dass das Produkt nicht mit konventionellem Hauskehrrecht 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 inzamelplachten contact op met uw gemeentelijke reinigingsdienst of met uw elektronica leverancier.

**HÄVITATTÄMINEN**
Yliuroksattua jätteastiaa 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 yhteys laitteeseen myyjään tai Pirkanmaan Ympäristökeskuksen lähimmään kierrätyskeskuksen löytämiseksi.

**AFSKAFFNING**
Logoen med en skaladespeld med kryds på baksidan af apparatet indikerer at dette produkt ikke må kasses som normal husholdningsaffald. For at forebygge mulig skade på miljøet, bedes De separe dere 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 ΑΠΟΡΡΗΤΗΣΗΣ**
ΤΟ ΣΗΜΑ ΜΕ ΤΟΝ ΔΙΑΓΕΓΡΑΜΜΕΝΟ ΤΡΟΧΗΛΑΤΟ ΚΑΙΔΟ ΑΠΟΡΡΙΜΑΤΩΝ ΣΤΗΝ ΠΙΣΩ ΩΨΗ ΤΟΥ ΜΗΧΑΝΗΜΑΤΟΣ ΔΗΛΩΝΕΙ ΤΙΤΙ ΤΟ ΠΡΟΙΟΝ ΑΥΤΟ ΔΕΝ ΠΡΕΠΕΙ ΝΑ ΔΙΑΧΕΙΡΙΣΘΕΙ ΚΑΙ ΣΑΝ ΣΥΝΘΕΣΜΟΝΟ ΟΙΚΙΑΚΟ ΑΠΟΒΛΗΤΟ. ΠΡΟΣ ΑΠΟΦΥΓΗ ΕΝΔΕΧΟΜΕΝΗΣ ΕΠΙΒΑΡΥΝΣΗΣ ΤΟΥ ΠΕΡΙΒΑΛΛΟΝΤΟΣ ΞΕΧΩΡΙΣΤΟ ΤΟ ΠΡΟΙΟΝ ΑΠΟ ΤΑ ΑΛΛΑ ΑΠΟΡΡΙΜΑΤΑ ΟΣΤΕ ΝΑ ΕΞΑΣΦΑΛΙΣΘΕΙ Η ΑΝΑΚΥΚΛΩΣΗ ΤΟΥ ΜΕ ΤΟΝ ΠΡΟΣΩΠΙΚΟ ΤΡΟΠΟ ΠΑΡΑΚΑΛΟΥΜΕ ΝΑ ΕΠΙΚΟΙΝΩΝΗΣΕΤΕ ΜΕ ΤΗΝ ΤΟΠΙΚΗ ΥΠΗΡΕΣΙΑ ΑΝΑΚΥΚΛΩΣΗΣ Η ΜΕ ΤΟ ΚΑΤΑΣΤΗΜΑ ΑΓΟΡΑΣ ΓΙΑ ΠΕΡΙΣΣΟΤΕΡΕΣ ΛΕΠΤΟΜΕΡΕΙΕΣ.

**ITEM DISPOSAL INFORMATION**

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INTRODUCTION

Congratulations on the purchase of your new X-RAY V8 CD player.

The X-RAY V8 has extremely low jitter, vanishingly low distortion, exemplary linearity and ultra low noise. Its case design complements the X-V8 series components which include a DAB/FM tuner and integrated amplifier all in the same convenient size.

Great attention has been paid to internal layout, isolating each circuit section to prevent possible interaction.

The CD digital data streams are first up-sampled to 192kHz, which moves noise, jitter and distortion artefacts well above the audio band. They are then passed through a new, low noise, low distortion 24-bit dual-differential digital-to-analogue converter, which allows simpler filtering of the analogue output. This in turn gives an improved audio response without the need for sharp filters that degrade sound quality. The result is a CD player which has a smoother response than previously possible with none of the “hardness” of other units.

The resultant performance achieved by this unit is among the best in the world. It has excellent signal to noise ratio, low distortion, wide bandwidth, huge dynamic range, extraordinary resolution and fine detail.

UPGRADE PATH

Early in 2007 two interesting new X-V8 series products are coming.

- The TRIPLE-X170 PSU is an upgrade Power Supply Unit. It increases the power of your X-T100 to 85+85 wpc and improves its peak current. The TRIPLE-X170 PSU will power the X-T100, X-RAY V8 and X-PLORA V8 simultaneously. Any product connected to it will sound better.

- The X-DAC V8 is a super-performance Digital to Analogue Converter with a tube output. Its performance is verging on state-of-the-art and sounds extraordinary. The X-DAC V8 is self-powered and also has power supply outlets for the X-RAY V8 and X-PLORA V8. When the X-RAY V8 is paired with the X-DAC V8, what you have is a mini KW25 system (the KW25 Transport/DAC received incredible reviews which recon it’s probably the best CD player ever).

INSTALLATION

Position the X-RAY V8 on a stable, horizontal surface where there is no risk of it being knocked, or subjected to vibration such as from loudspeakers.

Protect your X-RAY V8 from humidity - if the unit is moved from a cold place to a warm room, or in generally humid conditions, moisture can form on the pickup lens inside the player, preventing the laser beam from reading the disc. If this happens, remove the CD, close the disc drawer, and leave the unit switched on for an hour or so to allow sufficient time for the moisture to evaporate.

AUDIO CONNECTIONS

Outputs: Connect your amplifier inputs to the RCA sockets on the back panel marked as LEFT and RIGHT outputs.

If desired, the unit can also be attached to an external DAC of your choice. The unit outputs COAX and OPTICAL digital signal stream at 44.1kHz.

POWER CONNECTION

The power lead should be connected to a Musical Fidelity power supply unit designed for this product, such as the TRIPLE-X (see your dealer for more information). The connector from this CD player mates with the 5-way socket labelled X-RAY V8 on the rear of the power supply unit. The connector should fit comfortably with a small click when properly seated.

Do not force the connector.

NOTES ON USING COMPACT DISCS

Always hold discs by the edges and make sure they remain clean - do not touch the surface. Keep discs away from direct sunlight and heat sources, such as radiators. Clean discs with a cloth before playing them, but do not use solvents such as benzene, thinners, or antistatic spray intended for analogue records.

After playing, always return the disc to its case for storage.

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. We do not advise using solvents, white spirit or thinners as they could damage the surface finish.
### X-RAY V8

#### FRONT PANEL

1. PREVIOUS/NEXT buttons and IR lens
2. CD drawer
3. DISPLAY
4. EJECT, PLAY/PAUSE, STOP buttons

#### REAR PANEL

5. DIGITAL OPTICAL & COAXIAL outputs
6. LEFT AND RIGHT Audio outputs
7. POWER CABLE for connection to Triple-X psu only
The remote control shown below enables functions 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.

**Tuner Buttons:**
- INFO – To access broadcast information
- MENU – to choose options
- AUTO TUNE – finds previous/next broadcast
- MONO/STEREO – Option for weaker FM stations

**DAC Buttons:**
- DIG 1 – Selects DAC digital input 1
- DIG 2 – Selects DAC digital input 2
- DIG 3 – Selects DAC digital input 3
- USB - Selects DAC USB input

**Amplifier Buttons:**
- PHONO – Selects Phono input
- AUX 1 – Select Source AUX1 or PDI
- AUX 2 – Select source AUX 2
- AUX 3 – Select source AUX 3

**CD Buttons:**
- 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 – Player 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

**Remote Control Diagram**

- BAND – Selects DAB or FM
- STORE – Stores station as preset
- SELECT – To choose preset/DAB station
- PRESET ↑ ↓ selects preset
- TUNE ↑ ↓ steps up/down band
- VOLUME UP/DOWN – sets volume level
- MUTE – Mutes unit until pressed again
- 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 load a disc, press the OPEN/CLOSE button to open the transport drawer.
When the drawer is fully extended, insert the disc with the label facing upwards and then press either the OPEN/CLOSE or PLAY/PAUSE button to close the transport drawer again.
If OPEN/CLOSE has been pressed, the disc drawer closes and the unit scans the contents of the disc. After a short delay, the display window then shows 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:

If mains power to the unit is switched on with a disc already loaded, it will automatically search for the disc. The display then indicates STOP, and shows the number of tracks available on the CD and total playing time, as in the above example.

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.

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 on the front panel whilst a disc is playing pauses playback of the disc. PAUSE appears in the display window instead of PLAY. The disc will continue spinning, but the track does not advance and the CD's output is muted.

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.

Pressing the STOP button a second time on front panel or remote opens the transport drawer. If a disc is loaded but not playing, pressing STOP once will also eject the drawer.

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:
Press 7 within about 5 seconds:
After a small pause, machine plays selected track:
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 (along with elapsed time of last track played).
**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
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
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
repeat a-
```

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

Tracks are also played in a different order each time the disc is restarted, or another disc loaded.

That track number will now appear in the display:

```
STOP 74
program 1 track 0
```

This function is obtained by pressing **SHUFFLE** on the remote control with the unit either stopped or playing. If the X-RAY V8 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
repeat shuffle
```

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
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 X-RAY V8 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 25 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
program 1 track 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).

When all programmed tracks have been played, the CD...
Press PROGRAM again on the remote control - the next program step is selected, (program 2) and the track number revert to 0 ready for a new entry.

Continue entering track numbers in the same way up to a maximum of 25. If more than 25 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

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.

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.
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.
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:

<table>
<thead>
<tr>
<th>Problem</th>
<th>Probable Cause</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>No power / display</td>
<td>Power plug is not inserted into psu correctly</td>
<td>Plug in securely fully into power supply’s X-RAY V8 rear socket</td>
</tr>
<tr>
<td>No playback when disc is loaded, “NO DISC” displayed</td>
<td>Disc is loaded with label side down</td>
<td>Re-load with label side up</td>
</tr>
<tr>
<td></td>
<td>Incorrect disc type</td>
<td>Please load a standard audio CD</td>
</tr>
<tr>
<td></td>
<td>Dirty disc</td>
<td>Clean disk and try again</td>
</tr>
<tr>
<td></td>
<td>Moisture/humidity or cold affecting laser lens</td>
<td>Leave unit on for an hour to allow moisture to evaporate.</td>
</tr>
<tr>
<td>No audio output, or too low level output</td>
<td>Incorrect or missing connections</td>
<td>Check connections and make sure they are secure.</td>
</tr>
<tr>
<td>Miss-tracking (sound jumping)</td>
<td>Player is receiving vibration or shock</td>
<td>Change position of player away from loudspeakers</td>
</tr>
<tr>
<td></td>
<td>Disc is dirty</td>
<td>Clean disc surface</td>
</tr>
<tr>
<td></td>
<td>Moisture/humidity or cold affecting laser lens</td>
<td>Leave unit on for an hour to allow moisture to evaporate.</td>
</tr>
<tr>
<td>Hum</td>
<td>Audio connector plug is not fully pushed in</td>
<td>Insert plug securely</td>
</tr>
<tr>
<td>Interference noise heard from radio tuner</td>
<td>Player is positioned too near the tuner</td>
<td>Keep a reasonable distance between player and tuner, or switch off player power</td>
</tr>
<tr>
<td>Remote control does not work</td>
<td>Power supply switch is set to off</td>
<td>Set switch to on</td>
</tr>
<tr>
<td></td>
<td>Battery(ies) fitted the wrong way round</td>
<td>Insert batteries correctly</td>
</tr>
<tr>
<td></td>
<td>Batteries are flat</td>
<td>Change batteries for a new set</td>
</tr>
<tr>
<td></td>
<td>Remote control is not pointed directly towards the front panel of the player</td>
<td>Ensure there is no obstruction between the remote control and player front</td>
</tr>
<tr>
<td>Remote control range has greatly reduced</td>
<td>Batteries are running out</td>
<td>Change batteries – for a new set</td>
</tr>
</tbody>
</table>

This product contains a PHILIPS CD mechanism, which complies with the PHILIPS/SONY red book CDDA standard. It is guaranteed to play all disks similarly marked 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 often causing audio degradation and/or playability problems.

We also advise caution with using cheap CD-R, and/or CD-RW disks for audio, and to ensure 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 media.

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.
CD:
- Disc mechanism: Philips
- Total correlated jitter: < 135 pS

DAC:
- DAC circuits: 24 bit Delta-Sigma (Bit stream) dual differential 8X over sampling
- Up sampling: 192 kHz
- Total correlated jitter: < 135 pS
- Linearity: < 0.1dB down to -96dB
- Output digital 0dB level: 2.15VRMS at 1 kHz nominal
- Analogue output impedance: 47 Ohms
- Frequency response: 10Hz to 20 kHz -0.2dB max
- Channel separation: > 105dB 20Hz to 20 kHz
- Signal / noise ratio: > 115dB “A” weighted
- Total harmonic distortion: < 0.003% 10Hz to 20 kHz

Connections:
- Digital outputs: 1 optical (Toslink), 44.1 kHz
  1 S/PDIF (RCA connector), 44.1 kHz
- Line level outputs: 1 pair RCA

Power requirement: For use only with suitable Musical Fidelity power supply e.g. Triple-X.

Weight:
- 4.0 kg, 8.8 lbs unit only, unboxed
- 5.25 kg, 11.5 lbs in shipping carton

Dimensions:
- 219 mm, 8.6 inches wide
- 88 mm, 3.5 inches high including feet
- 340 mm, 13.4 inches deep including terminals

Musical Fidelity reserves the right to make improvements which may result in specification or feature changes without notice.
<table>
<thead>
<tr>
<th>RELEASE</th>
<th>DATE</th>
<th>CHANGES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Issue 1</td>
<td>14th July 2006</td>
<td>1st release</td>
</tr>
<tr>
<td>Issue 2</td>
<td>17th July 2006</td>
<td>Remote control updated</td>
</tr>
<tr>
<td>Issue 3</td>
<td>1st September 2006</td>
<td>DAC inputs on remote control</td>
</tr>
</tbody>
</table>