INSTRUCTIONS FOR USE

Thank you for purchasing the Musical Fidelity X-PLORA V8 tuner.

This model uses the very latest DAB/FM radio text receiver to achieve excellent technical specification and unparalleled broadcast sound quality, a perfect answer to digital and analogue tuner 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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INSTALLATION PRECAUTIONS and USER INFORMATION

Your new X-PLORA 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-PLORA 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-PLORA 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-PLORA 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-PLORA V8 please quote the serial number located on the rear panel of the unit.
**ITEM DISPOSAL INFORMATION**

**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.

**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 riciclati in base alle procedure di rispetto ambientale. Per maggiori dettagli sulle aree di raccolta disponibili, contattare l’ufficio governativo locale o a su minorista para las instalaciones disponibles de la coleción.

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

**HÄVITTÄMINEN**
Yhiruksattua jäteasialla kuvaava tarra tuotteen takalevyssä kertoo, että tuotetta ei saa käsittelä normaalin talousjätteenä. Ympäristön suojelumiseksi on tuotte piidettävä erillään muusta jätteestä ja se on kierrättettävä ekologisesti kestävällä tavalla. Ota yhteyttä laitteen myyjään tai Pirkanmaan Ympäristökeskuksen lähimmän kierrätyskeskuksen löytämiseksi.

**ÅFSKÅFNING**
Loget med en skrablesband med kryds over på baghsiden af apparatet indikerer at dette produkt ikke må kasseres som normal husholdningsaffald. For at forebygge mulig skade på miljøet, bedes De separe 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.
**INTRODUCTION**

Congratulations on the purchase of your new X-PLORA V8 DAB/FM tuner.

The X-PLORA V8 is an advanced DAB/FM receiver with radio text features for FM. Its case design complements the X-V8 series components which include an Integrated amplifier and CD player all in the same convenient size.

The tuner is designed to bring DAB into the realms of high-fidelity sound reproduction to complement the very latest technology DAB/FM receiver circuit. Great attention has been paid to internal layout, isolating each circuit section to prevent possible interaction. The result is a DAB/FM tuner 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, 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 reckon it’s probably the best CD player ever).

**INSTALLATION**

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

**AERIAL (ANTENNA)**

For ease of installation, a tri-band aerial is supplied with the unit. This covers the FM, DAB II, III and L-bands and picks up sufficient signal for most domestic purposes. However, if FM stereo background noise is obtrusive, radio text is corrupted or DAB cut-out is experienced, or unit is to be used in a fringe area, a rooftop DAB and FM aerial may be required. Please contact an approved aerial contractor with good local knowledge.

The tri-band aerial is plugged into the tri-band antenna F connector at the rear of the unit, and should be securely fastened by tightening the nut.

**AUDIO CONNECTIONS**

Outputs: Connect your amplifier’s left and right TUNER or AUX (line level) 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 48kHz.

**NOTE:** The digital output works for DAB and FM.

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**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 tuner mates with the 4-way socket labelled X-PLORA 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.**

**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.
3-component setup, standard power supply

The standard 3-component setup using the original TRIPLE-X PSU (bottom left) is shown in figure 1.

The power connector from the X-PLORA\textsuperscript{V8} mates with the 4-way socket labelled X-PLORA\textsuperscript{V8} on the rear of the TRIPLE-X PSU. The connector should fit comfortably with a small click when properly seated.

The power connector from the X-RAY\textsuperscript{V8} mates with the 5-way socket labelled X-RAY\textsuperscript{V8} on the rear of the TRIPLE-X PSU. The connector should fit comfortably with a small click when properly seated.

The power connector from the XT-100 Integrated amplifier mates with the 6-way socket labelled XT-100 on the rear of the TRIPLE-X PSU. The connector should fit comfortably with a small click when properly seated.

4-component setup, upgraded power supply

The recommended power supply wiring for the four-component setup, including upgrade power supply and X-DAC\textsuperscript{V8}, is shown in figure 3.

The power connector from the X-PLORA\textsuperscript{V8} mates with the 4-way socket labelled X-PLORA\textsuperscript{V8} on the rear of the X-DAC\textsuperscript{V8}. The connector should fit comfortably with a small click when properly seated.

The power connector from the X-RAY\textsuperscript{V8} mates with the 5-way socket labelled X-RAY\textsuperscript{V8} on the rear of the X-DAC\textsuperscript{V8}. The connector should fit comfortably with a small click when properly seated.

The XT-100 integrated amplifier should be powered from the upgrade TRIPLE-X170 power supply unit. Connect your XT-100 to this supply through the 6-way XLR socket at the back. The X-PLORA\textsuperscript{V8} and X-RAY\textsuperscript{V8} are now supplied from the X-DAC\textsuperscript{V8}. This frees up reserve supply for the power amplifiers in the XT100.

This is by no means an exhaustive list, as it is possible to use the original TRIPLE-X power supply, say, to supply the CD player alone further isolating it from the DAC and other circuits. The beauty of this system is its incredibly flexible allowing considerable tweaking to obtain optimum audio performance.
**X-PLORA V8**

**FACILITIES AND CONNECTION**

### FRONT PANEL

1. **BAND, SEARCH** buttons and **IR** lens
2. **DISPLAY** window
3. **TUNE UP/DOWN, SEARCH** buttons

### REAR PANEL

4. **DIGITAL OUTPUTS** RCA coaxial and optical
5. **LEFT AND RIGHT** RCA Phono outputs
6. **DAB/FM aerial F-TYPE**
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

**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
### DAB TUNER BUTTONS

When the power is turned ON, the station you were previously receiving will be selected automatically. The name of the station appears in the display.

All settings, and stored stations, will be retained in memory while the unit is turned off. On selection, the last band (DAB/FM) and station is remembered.

### BAND

This button alternates the tuner between receiving DAB and FM stations.

### SEARCH

To update your tuner with locally available DAB stations Press the SEARCH button (AUTO TUNE on remote).

The tuner will search through all the ensembles and pick out all the locally available stations.

When a station is found, the name is briefly displayed and the station tally at the top right increments. Note: if there are stations already stored, the tally does not start from 0, but from the number of stations previously stored. In this manner, the station list is updated. Once all the locally available bands have been scanned, the unit reverts to the first station found by name (in alphabetical order), or the previous broadcast being listened to, if applicable.

### TUNE UP/DOWN

To select a station, simply press the TUNE ↑ or ↓ buttons to cycle through the list of receivable broadcasts in your area. When the required station is displayed, press the SELECT button to listen

See the section on the PRESET buttons to store favourite stations for easy recall.

### PRESET UP and PRESET DOWN (remote control)

**PRESET UP/DOWN** buttons are used to select one of ten DAB preset memory locations. Press select when the desired preset is displayed.

**STORE** (remote control)

It is possible to store favourite stations in preset memory locations using the STORE button as follows:

Tune to the station required.

Press PRESET UP/DOWN buttons until the desired preset. is displayed.

Press and hold the STORE to accept this preset. The display will indicate the preset is saved, then reverts to the selected station

Note: this will overwrite any station stored previously on this preset.

Briefly pressing the button will display current preset without storing.

There are 10 presets available for programmes on the DAB band (in addition to the 10 provided for FM).

Presets are remembered even if the unit is switched off.

### MONO/STEREO(remote control)

This button has no function when in DAB mode.

### INFO

Displays the current broadcast information in the following order:
- DAB programme text
- Music Type
- Network name
- Date and time (as transmitted by network)
- Transmission mode and bit rate
- Ensemble and frequency
- Signal Strength
- Returns to top of this list
**MENU (DAB options, remote control)**

Press **MENU** to access menu options whilst in DAB mode.

Use the **TUNE** up/down buttons to cycle through the options, and the **SELECT** button to choose displayed option.

Menu options available for DAB are:

- **Manual Tune**: Allows manual search of ensembles and DAB frequencies
- **Canadian L band**: Enables Canadian L-Band
- **European L Band**: Enables European L band
- **Service Base**: Factory use only
- **Customer Version**: Software version reference
- **System reset**: RESETS all presets and performs a new scan of DAB band
**AUTO-TUNE (remote)**
To auto search stations, press the AUTO TUNE button. The tuner will search upwards through the FM band and pick out the next station for you.

**SEARCH**
This button functions in a similar manner to AUTO TUNE, however if pressed and held for more than a second, the tuner will scan back down the band to the previous station (the scan-down function is not available on the remote).

**BAND**
This button alternates the tuner between receiving FM and DAB stations.

**TUNE UP/DOWN**
To manually tune to a station, press the TUNE ↑ or ↓ buttons to cycle through the FM band. Turning slowly gives fine-tuning steps (50kHz). When the required station frequency is displayed, the station should be heard, and after a few seconds radio text information is displayed, if available.

**PRESET UP and DOWN (remote control)**
PRESET UP/DOWN buttons are used to select one of ten FM preset memory locations. Press select when the desired preset is displayed.

**STORE (remote control)**
It is possible to store favourite stations in preset memory locations using the STORE button as follows: Tune to the station required:

Press PRESET UP/DOWN buttons until the desired preset is displayed.

Press and hold STORE to accept this preset. The display will indicate the preset has saved and then revert to selected station.

Note: this will overwrite any station stored previously on this preset.
Briefly pressing the button will display current preset without storing. There are 10 presets available for programmes on the FM band (in addition to the 10 provided for DAB). Presets are remembered even if the unit is switched off.

**MONO/STEREO (remote control)**
This button enforces mono reception when inadequate aerial signal strength results in noisy stereo reception. MONO ‘forces’ mono at all times until the button is pressed again for AUTO. In AUTO mode, the tuner automatically switches according to signal strength.

**INFO (remote control)**
Displays the current broadcast information in the following order:
- PI: Programme identification*
- PTY: Programme type*
- RT: Radio text*
- CT: Clock date and time (as transmitted by network)*
- MS: Music/Speech (info only)*
- DI: Decoder information*
- Signal Strength with bar graph
- Audio mode
  - AF: Alternate frequency*
  - Returns to top of this list
* Relies on FM RDS. Not displayed if no or insufficient RDS signal.

**MENU (FM options, remote control)**
Press MENU to access menu options whilst in FM mode.
Use the TUNE up/down knob to cycle through the options, and the SELECT button to choose displayed option.
Menu options available for FM are:
- System reset: RESETS all presets and tuning to 87.50MHz (beginning of FM Band)
- Customer Version: Current software version
Basic problem-solving with a tuner is similar to troubleshooting other electrical or electronic equipment. Always check the most obvious possible causes first, such as the following examples:

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<tr>
<th>Problem</th>
<th>Probable Cause</th>
<th>Remedy</th>
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<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-PLORA V8 rear socket</td>
</tr>
<tr>
<td>No audio output</td>
<td>Insufficient DAB signal. Leads incorrectly connected Wrong input selected on amplifier</td>
<td>Check aerial. Advice: page 5 AERIAL (ANTENNA) Check output connecting leads Check amplifier connections and select correct input</td>
</tr>
<tr>
<td>Excessive background noise (hiss or crackle on FM) Audio cuts out on DAB</td>
<td>Position of aerial incorrect. Local signal strength insufficient.</td>
<td>Reposition aerial. Consider a rooftop DAB/FM aerial page 5 AERIAL (ANTENNA)</td>
</tr>
<tr>
<td>Tuner does not display FM RDS station name and/or text</td>
<td>Tuned station does not transmit the RDS feature Local signal insufficient to receive RDS properly</td>
<td>RDS information feature therefore unavailable. Try repositioning the whip aerial if used. Improve the aerial.</td>
</tr>
<tr>
<td>Remote control does not work</td>
<td>One or more batteries fitted the wrong way round Batteries are flat Remote control is not pointed directly towards the front panel of the tuner</td>
<td>Insert batteries correctly Change batteries – do not mix old and new ones Ensure there is no obstruction between the remote control and player tuner</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>
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If none of these actions affect a cure, please contact your dealer, or an authorised Musical Fidelity service agent. Remember; never open the case of the X-PLORA V8 yourself, as this will invalidate the guarantee.
TUNER SPECIFICATIONS

TUNER:

DAB Specifications
- Supported DAB modes: I, II, III, and IV VHF 174-240 MHz RF frequency range
- L-Band (standard and Canada) 1452-1492 MHz
- VHF sensitivity: -96 to -97 dBm (Measured to EN50248)
- L-Band sensitivity: -95 to -96.5 dBm (Measured to EN50248)
- L-band after error correction: -15 dBm Maximum Input Signal for Pseudo channel BER with real value 0.02
- Band III after error correction: 0 dBm
- Adjacent Channel Selectivity: 32.33 dBm (Measured to EN50248)
- Far-off selectivity: 48 dBm (Measured to EN5024845)
- Acquisition sensitivity: 101 dBm
- Input Impedance: 50Ω F type connector (to VHF/L-Band diplexer)

FM Specifications
- RF Frequency Range: 87.5-108 MHz
- RF Sensitivity: (S+N)/N=26dB, 90MHz@22.5KHz 5 µV Dev. F.mod=1 KHz
- RF Limiting Sensitivity: 0.5 µV
- (S+N)/N Ultimate s/n ratio: 63 dB (90MHz@200mV/22.5KHz Dev. F.mod=1 KHz)
- THD: 0.5% (90MHz@200mV/75KHz Dev. F.mod=1 KHz)
- Stereo Channel Separation: 30 dB
- RDS data: CENELEC EN50067 compliant

WHIP AERIAL:
- Operating Frequency:
  - FM Band 88-108MHz
  - Band III 174-240MHz
  - L-Band 1452-1492MHz
- Gain:
  - FM & Band III: 2dBi
  - L-Band: 5dBi
- Impedance: 75Ω
- S.W.R.: <2.0:1 at res. freq.
- Polarization: Vertical
- Connector: F-type
- Operating temperature: -20 to +65°C
- Storage temperature: -30 to +75°C
- Length:
  - Sleeve: 36mm
  - Retracted: 153±10mm
  - Extended: 646±10mm
- Mechanical Fixing: 180° swivel joint on plug with locking nut

CONNECTIONS:
- Digital outputs: 1 optical (Toslink), 48kHz
- Line level outputs: 1 S/PDIF (RCA connector), 48Hz
- Power requirement: For use only with suitable Musical Fidelity power supply e.g. Triple-X.
- Weight:
  - 4.0 kg, 8.8 lbs
  - 5.25 kg, 11.5 lbs
- Dimensions:
  - 219 mm, 8.6 inches wide
  - 88 mm, 3.5 inches high including feet
  - 340 mm, 13.4 inches deep including terminals
- Standard accessories:
  - Tri-Band Whip aerial

Musical Fidelity reserves the right to make improvements which may result in specification or feature changes without notice.
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<td>Issue 1</td>
<td>6th September 2006</td>
<td>[1st release]</td>
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<tr>
<td>Issue 2</td>
<td>18th October 2006</td>
<td>Added power supply wiring options</td>
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<tr>
<td>Issue 3</td>
<td>19th October</td>
<td>Improved P.7</td>
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