

# X1 Complete User Manual

(applies to FW1.1 and later)



## Foreword:

Thank you for purchasing FiiO's X1, our 192k/24bit high resolution lossless music player. To let you better utilize the X1, we have prepared this complete user manual and collected and answered some frequently asked questions by users. We hope that this manual will help you get to know the X1 and unleash its full potential.

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## A. Introduction

The X1 is a HiFi-class high resolution digital audio player, supporting lossy and lossless music formats including MP2, MP3, WAV, WMA, APE, FLAC, AAC, ALAC, and OGG. A maximum sample rate of 192k/64bit is supported and CUE sheets and gapless playback are also supported. The following sections are an illustrated guide to using the X1.

## B. Buttons and ports introduced



**1) Display (262k color TFT display, 320×RGB×240):** Displays the user interface and other information; for operating the unit in conjunction with buttons on the unit.

**2) Shortcuts key:** Press briefly to show / hide shortcuts context menu, or go to the player settings from the main menu; when music is playing, holding down the Shortcuts key always takes you to the "Now playing" screen.

**3) Back / main menu:** Press briefly to go back up one menu level each time until you reach the main menu; pressing Back when you're in the main menu when music is playing takes you to the "Now playing" screen. Hold this button to return directly to the main menu.

**4) Previous song / up:**

In "Now Playing" screen: press briefly to select the previous song for playback, hold down to rewind the current song; In menus: press briefly to choose the previous item on menus.

**5) Next song / down:**

In "Now Playing" screen: press briefly to select the next song for playback, hold down to fast-forward the current song; In menus: press briefly to choose the next item on menus.

**6) OK/Play/Pause/Volume adjusting:**

In "Now Playing" screen: press briefly to play / pause;

In menus: press briefly to enter the submenu of the selected item, adjust the level / value / choice of the selected item (using the scroll wheel for items with numerical value or many choices, or alternating between choices using the OK button directly for other items);

In other dialogs: press briefly to confirm actions (press other buttons to cancel);

Volume control: Hold down this button at any time to pop up the volume control dialog and adjust the volume using the scroll wheel.

**7) Scroll wheel:** Freely rotatable (360° rotation), turn the wheel clockwise to scroll down / right, choose the next item on the menu or adjust the level/value/choice etc. for the selected menu item; turn the wheel counter-clockwise to scroll up/left, choose the previous item on the menu or adjust the level / value / choice etc. for the selected menu item in the other direction.

**8) Indicator light:**

blue while working, red while charging, green when fully charged.

**9) Volume "+" 10) volume "-"** : press briefly to change volume by one increment, hold down to change volume continuously until the maximum volume ( "+" button) is reached or the player is muted ( "-" button)

**11) RESET button:**

Push this button with a thin rod to reset and reboot the X1 in case of system error.

**12) Power/Lock button:** With the X1 powered off, press and hold the power button to turn it on; with the X1 powered on, press and hold the power button to turn it off, or press briefly to toggle lockscreen mode.

**13) LO/PO output:** Line out and headphone out share the same output port-switch between the two via the "out-put mode" setting under system settings. Headphone out supports Apple in-line headphone control, with operation as follows:

Play/Pause: Single-click the middle button on the headphone controller to pause, single-click again to play.

Next song: Double-click the middle button quickly.

Previous song: Click the middle button for three times quickly.

Fast-forward: Double-click the middle button quickly and hold down the last click, release to continue playback.

Rewind: Click the middle button for three times quickly and hold down the last click, release to continue playback.

**14) Micro USB port:** for data exchanging, battery charging and connection to compatible docking devices.

**15) TF card slot:** Standard TF card slot, supporting TF card up to 128GB.

## C. Firmware update

Firmware updates may update the player with new features and optimize the playback experience; if you are satisfied with the current firmware, it is not necessary to upgrade it. The unit supports firmware upgrades via update files loaded into TF cards. **Improper operation during firmware updates may cause the unit to malfunction! Please read the following instructions for firmware updates carefully before proceeding.**

**To check the current firmware version:**

**From the main menu, navigate to System Settings->About X1 to see the current firmware version loaded on your X1.**

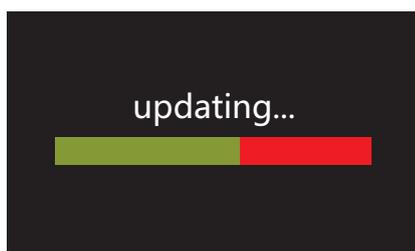
**Notes and precautions regarding firmware update:**

- The TF card for use in firmware upgrades should be a card of in FAT32 format.
- The firmware update process does not affect data stored on the TF card; however, if formatting to FAT32 (eg by formatting the card in the X1) is required, this deletes all data on the card.
- Make sure the X1 is adequately charged (preferably fully charged) for the update process to prevent power failure during the update;
- Do not operate other buttons and dials on the player during the update process.

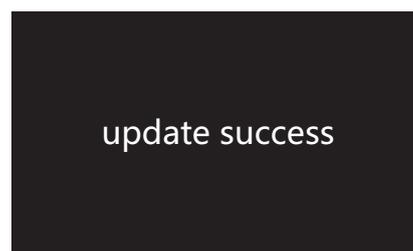
Summary of TF card upgrade procedure:

- 1.Copy the x1.fw file provided by FiiO into the root directory of a TF card in FAT32 format;
  - 2.Turn off the X1 and insert the TF card into the slot of the X1;
  - 3.Hold the power button while holding the Shortcuts key (upper left key of the X keygroup) to turn on the X1 in firmware update mode. The following firmware update dialogs will appear and after the update is complete, the player will restart automatically.
- If the update process fails, hold the Shortcuts key (upper left key of the X keygroup) while pressing the reset button (in the hole between the power and volume buttons, with a thin rod such as a toothpick) to resume the update.
  - If the update process still fails, try preparing a blank TF card, formatted using the X1, and repeating steps 1-3.
  - After the update process is complete, please delete the x1.fw file from the TF card and update the media li-brary.

Firmware update in progress



Update successful



# D.Pictorial guide to menu operation

## 1. Main menu

Buttons and dial explained:

**Scroll wheel:** scrolls through menu items, changes value of selected item

**OK / Confirm / Play / Pause:**

Enters next menu level, selects item for adjustment, stores changes

**Shortcuts key:**

shows / hides shortcuts context menu

**Back button:**

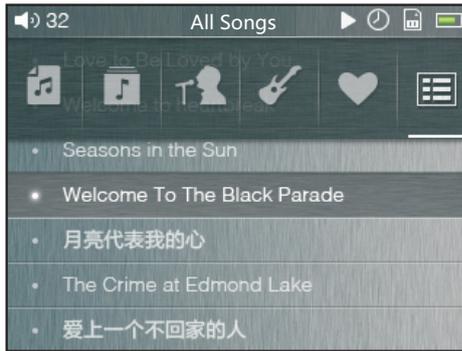
go back up one menu level

**Previous / up | Next / down:**

moves through menu items, changes value of se-lected item



Shortcuts key shows/hides shortcuts context menu; navigate and select short-cuts menu items using scroll wheel and OK key



After updating the media library, music files will be automatically classified according to their ID3 tags; scroll to choose between selecting from all songs, albums, artists or genres to play; Favorites and playlists are added / deleted manually



Displays all the folders and subfolders in the TF card, and all audio files in each folder; use scroll wheel to choose between folders / songs, OK to select, Back button to go up to parent directory



(no submenu) Adjust directly using Prev/Next/OK keys (with submenu) Press OK and adjust using scroll wheel



(no submenu) Adjust directly using Prev/Next/OK keys (with submenu) Press OK and adjust using scroll wheel



**Status bar:**

- 1.Current volume
- 2.Current output mode
- 3.Name of current menu/display
- 4.Now playing
- 5.Sleep timer is set
- 6.TF card
- 7.Battery level indicator

## 2. Now playing

### Cover



### Lyrics



Press the shortcuts key briefly



Use the scroll wheel or the “previous” “next” buttons below the scroll wheel to choose between menu option

- ♥ Add or remove favourites
- ⊕ Add track to new / existing playlist
- ↺ ↻ ↻ ↻ Select between loop all, loop single song, sequential and shuffle play modes respectively
- 🗑 modes respectively

## 3. Key-lock settings



**Lockscreen 1:** Lockscreen mode 1 locks all keys except the power / lock button and volume buttons while the player is locked; at this time, press the volume button briefly to adjust volume, while hold to change tracks.



**Lockscreen 2:** In Lockscreen mode 2, the power / lock button, volume buttons and OK (Pause) button are usable while the player is locked; at this time, press the volume button briefly to adjust volume, while hold to change tracks.



**Lockscreen 3:** In lockscreen mode 3, the volume keys, OK (Pause), Previous and Next buttons as well as the power / lock button are usable while the player is locked; at this time, press the volume button briefly to adjust volume, while hold to change tracks.

## E. Menu operation

### 1. Powering on and off

With the X1 powered off, press and hold the power button to turn it on (language selection dialog would appear the first time the X1 is powered on);

While the X1 is powered on, press and hold the power button to turn off the player.

The X1 enters the main menu after it is powered on; use the scroll wheel or the Previous and Next buttons to choose between Now Playing, Play by Category, Browse Files, Play Settings and System Settings; press the Shortcuts key to enter Play Settings directly.

### 2. Now Playing

While in the main menu, turn the scroll wheel to choose Now Playing and press OK. If no song is currently playing you will be shown a list of songs to choose from\*. Use the scroll wheel and OK button to select a song and enter the Now Playing interface. \*Note: songs list only appears after you have updated the media library.

a ) Press the Shortcuts key briefly to pop up the shortcuts context menu; turn the scroll wheel or press the Previous or Next key to choose between shortcut menu items and press OK to apply the action, such as adding or removing the song from Favorites, Add track to new / existing playlist, changing play order or deleting the song.

b ) Turn the scroll wheel in the Now Playing screen to pop up a list of songs before and after the current playing song. Turn the scroll wheel to choose between songs, press OK to select and start playing the new song.

### 3. Play by Category

While in the main menu, turn the scroll wheel to choose Play by Category and press OK. Use the scroll wheel or the Previous and Next buttons to choose between All songs, Album, Artist, Genre Favorites and Playlists. Turn the scroll wheel or press the Previous and Next buttons to choose between the above and press OK to enter the chosen categorized listing. When in one category directory, press the Shortcuts key to switch to other categories.

Add or remove favorites by

1) The Favorite button in the shortcuts context menu in the Now Playing screen (to add/remove the current song from the list);

2) Entering Favorites from the main menu. Press the Shortcuts key to batch add or remove songs (press OK to select and enter the songs list); use the scroll wheel to select a song, Previous or Next to add/remove a song from the list, and finally press OK to save changes.

<http://www.fiiO.net/supports/17> ; External M3U / M3U8 playlists and internal playlists are supported. The method of external playlist creation is detailed on [www.fiiO.net](http://www.fiiO.net). Link to support page for X1: <http://www.fiiO.net/supports/17> Direct link to M3U playlist tutorial: <http://fiiO.me/forum.php?mod=viewthread&tid=40017>

To create internal playlists and add songs to internal playlists: while playing a song, go to the Now Playing screen and press the Shortcuts key and choose the [+] icon and press OK. Follow the onscreen prompts to create a new playlist or add the current song to an existing playlist. Playlists can be accessed in the Play by Category menu. With the list of playlists displayed, pressing the Shortcuts key shows the option to delete playlists. If this option is selected, you press the Previous / Next key to select a playlist for deletion and press OK to confirm deletion.

With the list on songs within a playlist displayed, pressing the Shortcuts key shows the option to delete individual songs from the playlist.

#### 4. Browse Files

Turn the scroll wheel to select "Browse Files" and press OK to browse the music files contained therein( "TF card not found" would pop up if there is no TF card inserted). Turn the scroll wheel to select between items, press OK on a song to play it or press OK on a folder to enter the folder.

#### 5. Play settings

Turn the scroll wheel to choose between menu items and use the Previous, Next or OK key to choose between options on the chosen menu item. On items with a submenu (indicated by ">"), press OK to enter the submenu.

##### a ) Play mode

Four play modes are available: sequential (plays to the end of the list and stops), loop all, loop single song and shuffle.

##### b ) Resume mode

Controls where the X1 starts playing from when it is switched off and switched back on.

Off: no memory of the last song played when X1 is switched off.

Last song: resumes playback from the start of the last song played when the X1 was switched off.

Last position: resumes playback from the last position on the timeline of the last song played when the X1 was switched off.

##### c ) Gapless playback

Turn this on to play e.g. a live performance divided into several tracks without breaks in between tracks.

##### d ) Max volume

To protect your headphones and your hearing, the max volume can be limited to a value between 30 and 100 (unlimited maximum is 100). Press OK to show the adjustment submenu, turn the scroll wheel to adjust the limit value and press OK to store the change.

##### e ) Default volume

Memory: recalls the volume set when the player was powered off.

Custom: always powers on the player at the volume defined in "Fixed volume setting" .

Fixed volume setting: adjustable only when "Power on volume" is set to "Custom" . Press OK to show the adjustment submenu, turn the scroll wheel to change the power-on volume setting and press OK again to store the change.

##### f ) Equalizer

There are several preset equalizer settings as well as a custom setting available. Press the previous and next keys to switch between presets (Off, Rock, Classical, Jazz, Pop, Dance, Vocal, Blues and Metal) or select the Custom setting. When the Custom setting is selected, turn the scroll wheel to choose between different frequency bands, press OK to select a frequency band for editing and turn the scroll wheel to adjust the frequency band up or down, and then press OK to store the change and use the scroll wheel to choose another frequency band for editing. Press the back button at any time to exit from equalizer settings back into the main menu.

##### g ) Balance

Press OK to adjust balance with scroll wheel (press OK to store change). The adjustment range is between +5dB to left channel and +5dB to right channel.

## 6. System settings

While in the main menu, turn the scroll wheel to choose System settings and press OK. Turn the scroll wheel to choose between menu items and use the Previous, Next or OK key to choose between options on the chosen menu item. On items with a submenu (indicated by ">"), press OK to enter the submenu.

### a) Update media lib

Press the Previous and Next keys to choose between:

Manual: updates the media library only when you press OK on "Update media lib" ;

Auto: updates the media library automatically each time after the X1 was connected to a computer as mass storage or TF card was inserted /removed.

Note: do not press any button or turn the scroll wheel during a library update.

### b ) Key-lock settings

Press OK to enter the key-lock setting submenu and choose between lockscreen modes 1, mode 2 and mode 3. As shown by the corresponding illustration onscreen; Lockscreen mode 1 locks all keys except the power / lock button and volume buttons while the player is locked; in Lockscreen mode 2, the power / lock button, volume buttons and OK (Pause) button are usable; while in lockscreen mode 3, the volume keys, OK (Pause), Previous and Next buttons as well as the power / lock button are usable.

Note: at this time, press the volume button briefly to adjust volume, while hold to change tracks.

### c ) Screen timeout

The player turns off the screen and locks the keys automatically after the set delay when no buttons have been pressed and the scroll wheel hasn't been turned. The set delay can be set between 30s, 40s, 50, 60s, 90s, 120 and never (always on)

### d ) Backlight brightness

Press OK to adjust the brightness (adjustable in 10 steps) using the scroll wheel and press OK again to store the change.

### e ) Idle poweroff

When this is set to on, the player will turn itself off after the set time when no music is playing and the user does not press any buttons on the player.

Idle poweroff time: When "Idle poweroff" is set to on, you may press OK to adjust the amount of idle time detected before the player shuts off. The set time is adjustable from 1 to 8 minutes. Turn the scroll wheel to adjust the set time and press OK to store the change.

### f ) Sleep

When this is set to on, the player will turn itself off after the set time while music is playing.

Sleep timer: When "Sleep" is set to on, you may press OK to adjust the amount of play time before the player shuts off. The set time is adjustable from 10 to 120 minutes. Turn the scroll wheel to adjust the set time and press OK to store the change.

**Note: the sleep timer will take effect once only; after it has been triggered, the sleep timer setting will be turned off the next time the X1 is powered on.**

### g ) Select output

There are two output modes: lineout and headphone out, which can be switched when there is no music playing. LO output: to connect other amplifier device.

Headphone output: to connect headphones with different impedance.

### h ) Theme

Press OK to enter the theme submenu and choose between different themes, and then press OK to store the change.

i) Supports in-line headphone control

You may choose to enable or disable the X1's response to in-line remote signals according to personal needs.

j) File name display

Press OK to toggle between displaying the filename and song title (according to ID3 tag of the music file) in the Now Playing screen.

k) About X1

Displays the name and model of the player, total and available capacity of TF card, firmware version and the serial number of your X1, NB code (not found in earlier units), Turn the scroll wheel clockwise to read our copyright declaration and then the quick start guide to the X1.

l) Language

Press OK and use the scroll wheel or Previous / Next buttons to choose between English, Japanese, Korean, French, German, Spanish, traditional Chinese and Simplified Chinese. Press OK to store change or Back to cancel. The language setting is memorized even when the device is powered off or reset.

m) Storage formatting

Press OK to format the TF card inserted into FAT32 format; all data in the TF card will be erased after formatting.

n) Factory restore

Resets all settings to factory defaults. Also useful for recovering from any system malfunctions.

## F. Tips on usage

This section contains some useful tips for you to get the most out of your X1.

### 1) How to update the media library quickly

It is recommended to set this to Auto, so that the X1 will update the media library automatically each time after you connect it to the PC or insert/remove TF card.

### 2) How to play your favourite songs quickly

Go to the Favorites menu to add a batch of your favorite songs (or favorite individual songs as they are played in the Now Playing screen) and then enter the favorites menu to enjoy all your favorite songs. The X1 supports addition and removal of songs defined in .cue files as well for your enjoyment of lossless rips of CD/DVD/etc.

### 3) How to cut over to the song you want to listen to quickly

Turn the scroll wheel in the Now Playing screen to pop up a list of songs before and after the current playing song. Turn the scroll wheel to choose between songs, press OK to select and start playing the new song.

### 4) How to adjust the volume easily

While the screen is on, the volume control dialog will appear anytime the volume up/down buttons are pressed or the OK buttons is held for one second. When the volume control dialog appears you may adjust the volume stepwise using the volume buttons or use the scroll wheel to change volume quickly. **Note: In the three lockscreen modes, the volume buttons are always usable when the player is locked.**

### 5) How to turn on Resume mode to get back on the groove quickly

Under Play Settings, Resume mode controls the playback behaviour of the X1 when you turn it back on. Setting this to Last Song allows the player to start playing again from the last song before the X1 was powered off while Last Position even remembers where you were up to in the track you were playing.

### 6) How to realize gapless playback function

Gapless playback means going from one music file to the next without a pause in between. Enable gapless play-back on the X1 by entering Play settings from the main menu and setting the Gapless playback option to On. (Note: gapless playback is not supported in shuffle and loop-single-song modes.)

### 7) How to save power in case of temporary non-use to get longer battery life

Battery life is a matter that concerns users always. There are several functions on X1 to save power.

a. Sleep Mode: set sleep mode to on when you enjoy the music at night for fear of forgetting to turn it off.

Then it will turn off automatically after reaching the set duration. Note that the sleep timer will reset to off after it is triggered once.

b. Idle poweroff: set the "Idle Poweroff" to on so that if you pause the music and leave the player idle (not pressing any of its buttons), it will power off by itself after the set time.

## G. FAQ on the X1

### 1) About charging

#### Q:What power sources may be used to charge the X1?

A:The X1 may be charged by any USB charger with 5V output voltage and 1A or greater output current; in a pinch you can also charge it using a computer USB port, albeit slowly.

#### Q:What is the charging current of the X1 while charging?

A:About 460mA through a computer USB port or 860mA through a dedicated USB charger (while unit is powered off).

#### Q:How long does it take to charge up the X1?

A:A full charge through a dedicated USB charger (DC 5V, 2A) takes about 3 hours.

#### Q:Can the X1 be charged by a portable USB charger?

A:Yes, as long as the charger is capable of 1A or greater current.

#### Q: Can the X1 play songs while charging?

A:Yes, but it is recommended to power off the X1 for charging, to prevent the charge from taking too long and prevent the X1 from heating up too much.

**Q: What to do if the X1 gets a hot when playing songs while charging?**

A: It is normal for the X1 to get a bit hot in these conditions and this does not endanger the X1 or the listener in any way. If you are worried about this, it is better to take off the silicon case to expose the X1 to air for cooling down. If you're still worried, turn down the volume on the X1 or turn off the player for charging.

**Q: Can the X1 be connected to chargers via other micro USB cables?**

A: Yes, but the micro USB cable that comes with the X1 is specially constructed with thick power line conductors to minimize power loss while charging. Using other micro USB cables may lead to slower charging; very poor quality USB cables may cause so much power loss through the cable as to fail to charge the X1 altogether.

**Q: What is the best way to charge X1?**

A: By using a high quality, high speed USB charger rated for 5V and 1A or above, and the data cable that comes with the X1. Power off the X1 to get the best charging effect.

**Q: Why does the X1 charge so slowly or not at all through a front USB port on a desktop computer?**

A: The front USB ports on a desktop computer are connected to the motherboard through long thin cables, which cause too much voltage drop when connected to high current draw equipment like the X1.

**Q: Why is the battery gauge on the X1 not accurate enough?**

A: The battery capacity is calculated based on its voltage. Due to insufficient accuracy of this method and the big variation of voltage while playing, the battery gauge is for reference only.

**Q: How to judge the X1's charging status?**

A: Below the scroll wheel, there is a charging indicator LED, which lights up red while charging and green when fully charged. The battery level of the onscreen battery gauge (on the upper right corner while the player is on, or taking up the whole screen if the player is off) moves to indicate battery charging.

**Q: How to tell whether X1 is fully charged or not?**

A: When X1 gets fully charged, the charging indicator LED below the scroll wheel lights up green. If the player is on, the battery level of the onscreen battery gauge stops moving; if the player is off, the battery gauge would disappear and the screen would turn black.

## 2) Transferring songs

**Q: What operating systems does the X1 support (for transferring songs)?**

A: It includes 32bit and 64bit Windows XP, Windows 7 and 8\*, as well as Mac OS 9, X, and most versions of Linux and Unix.

**Q: What USB ports are the X1 compatible with?**

A: The X1 is compatible with USB 2.0 (and all later standards that are backwards compatible with 2.0, including 3.0 and 3.1).

**Q:How quickly does the X1 transfer songs?**

A:This is dependent on the size of files / songs transferred and the Class level of the TF card; average read / write speeds are about 4.5MB/s.

**Q:Why does it transfer so slowly through a front USB port on a desktop computer?**

A:It is recommended to connect to a rear USB port on a desktop computer to transfer data.

**Q: Does the X1 support deleting or copying files by dragging through the computer' s File Manager?**

A: Yes.

**Q:Is a driver required for connecting the X1 to computer?**

A:No driver is required.

**Q:Does the X1 support Linux or (insert OS name here)?**

A:Theoretically it is supported, but we cannot guarantee support through actual testing of all the various OSes out there.

**Q:Why is my X1 not recognized through a USB3 port or on Windows 8?**

A:USB3 ports and Windows 8 are new standards; although they are theoretically backwards compatible with previous standards, in practise devices may need to be optimized for forward compatibility with these new standards and as such the X1 may not be recognized through some USB3 ports or on some Windows 8 computers. We will remedy the situation as soon as possible through firmware upgrades. If you run into such problems in the meantime, the temporary solution in the meantime is to transfer through USB2.0 ports and Windows 7 / Windows XP. If these options are not available you may transfer through a supported card reader before transferring the card to the X1.

### 3) Firmware upgrades

**Q:How to know what firmware version is on my X1 and what is the newest version?**

A:The current firmware version can be viewed via System Settings->About X1. All firmware versions may be downloaded via <http://www.fiiio.net/support/download.aspx>.

More ways to keep updated with the latest firmware versions of X1:

1. Facebook:[www.facebook.com/FiiOAUDIO](http://www.facebook.com/FiiOAUDIO)
2. Official website: [www.fiiio.net](http://www.fiiio.net)
3. Forum: <http://www.head-fi.org/forum/list/180>
4. Mediafire firmware repository: [https://www.mediafire.com/folder/1xqxn9nrrcv6l/FiiO\\_firmware](https://www.mediafire.com/folder/1xqxn9nrrcv6l/FiiO_firmware)
5. Email us at [support@fiiio.net](mailto:support@fiiio.net)

**Q:How to update the X1 firmware?**

A:Please refer to Section C. Firmware Update in this user manual.

**Q:Is it possible to brick the X1 while upgrading the firmware? What to do if my X1 is bricked?**

A:It should not be possible to brick the X1 in the normal course of upgrading its firmware. If you somehow manage to brick it, please contact us via support@fiiio.net and we can instruct you on how to unbrick it.

**4) Storage****Q:What cards does the X1 support?**

A:The X1 supports TF cards (also known as micro SD cards), including SDHC and SDXC.

**Q:Is the X1 picky about cards?**

A:The X1 has been tested to support major brands such as Sandisk and Kingston very well. It is beyond our ability to test every other brand out there, but any genuine card from a reputable brand should work with the X1. To prevent slow card speeds causing the X1 to stall while playing or be unable to play high bitrate lossless tracks (such as 192k/24bit APE files), please use TF cards of Class 6 or above.

**Q:What size of cards does the X1 support?**

A:The X1 is currently tested to support cards up to 128GB. It is recommended to format the card in FAT32 for-mat.

**Q:How to format the TF card into FAT32 format?**

A:

1. Simply insert the card into the TF card slot in the X1, go to System Settings->Format, press OK to select and OK again to confirm formatting the card to FAT32 format. or
2. Insert the TF card to a card reader to connect to your computer, right-click on the TF card shown and choose "Format..." and follow the prompts to format the card to FAT32 format. But please do not choose 64K under the Allocation unit size when formatting the TF card. Also, Micro SD cards in 64G or 128G sizes cannot be formatted into FAT32 by the windows system, please try to use third party tool to format. You can download the specialized format tool (Guiformat/smdk\_fat32) via <http://www.fiiio.net/support/download.aspx>.

Warning: all data and existing songs on the card will be deleted, please make backups on your computer first as necessary.

**Q:Nothing from the TF card shows on the X1?**

A:

- 1.Play by Category will not show any songs from a card unless and until a media library update has been per-formed. Go to System Settings->Update Media Lib, press OK to perform a manual media library update. Or use Browse Files to confirm that the files on your card are recognized by the X1.

2.If neither of the above works to show you the songs on your card:

- i.Go to System Settings->About X1 and check that the Available Capacity of the TF card you inserted is shown correctly (comparing it to the info shown on your computer); if not, try formatting the card using the X1 and putting your files back on the card;
- ii.If this does not help, you may try formatting the card into NTFS format using Windows;
- iii.If none of the above helps, it is recommended that you try another card with the X1.

**Q:Some songs on the TF card don't show on the X1?**

A:

1. Have you performed a media library update after you last loaded songs onto the card? Go to System Settings->Update Media Lib, press OK to perform a manual media library update.
2. If songs are still missing (or if they don't appear even in Browse Files), try updating the X1 to the latest firmware.
3. After updating to the latest firmware, try updating the media library again.

**Q:Does the X1 support NTFS format?**

A:Yes, but only FAT32 format cards can be used for firmware upgrades.

**Q:How to delete X1's media library database file?**

A:Eject the TF card from the X1 before updating the media library. The X1 will delete the media library database file automatically.

## 5) Music playback

**Q:Why would some mp3s not play?**

A:To guarantee sound quality, the X1 does not fully support some low bitrate or sample rate mp3s, specifically sample rates under 32kHz and bit depths under 8 bits. Files in such formats are usually found in voice recordings, spoken lecture notes, etc.

**Q:Why does my .wav files not play?**

A:Please check using Foobar2000 or other capable software on the computer to see whether the wave file is actually DTS or Dolby encoded multichannel audio, or perhaps a wave file of bit depth over 24 bits (32bit and 64bit files are not fully supported).

**Q:Why does my .ape files not play?**

A:APE comes in 5 levels of compression, including Fast, Normal, High, Extra High and Insane. Extra High and Insane encoded APEs are not supported while Normal and High encoded APEs are only supported at 96k/24bit or below.

**Q:Does the X1 support cue sheets?**

A:The X1 supports external cue sheets for identifying and playing a cued music file as separate tracks.

**Q:Why is my cue sheet not supported?**

A:Embedded cue sheets are not supported. Also please make sure that the .cue file is named the same as the music file that it cues.

**Q:Why does X1 not show the cue folder in the TF card when browsing files?**

A:Since it has been separated by X1 which shows as individual tracks.

**Q: How to shuffle play cross folders?**

A: Set it as shuffle play, and choose any song to play under "Play All" list.

**Q:Why do my lyrics not show?**

A:The X1 only supports external .lrc files, named after the music file it lyricizes.

**Q:Why am I seeing rubbish characters?**

A:Only ANSI, Unicode and UTF-8 (with and without BOM) encodings are supported for lyrics.

**Q:Why do my new songs not appear under any Category?**

A:Please go to System Settings->Update Media Lib and press OK to update the media library for new songs to be indexed under Play by Category. You may also press Previous or Next to set Update Media Lib to Auto.

**Q:Why does the total number of files displayed by X1 differ from the actual number of files that I copied into the TF card?**

A:The total number displayed by the X1 indicates the total number of files playable by the X1.

## 6) Other operations

**Q: How to get longer battery life for the X1?**

A:

1. Turn on "Idle poweroff" . When this is set to on, the player will turn itself off after the set time when no music is playing and the user does not press any buttons on the player.
2. Lower the backlight brightness to reduce power consumption.
3. Set the "Screen timeout" timer, so that the player turns off the screen and locks the keys automatically after the set delay when no buttons have been pressed and the scroll wheel hasn' t been turned.

**Q:Why is the X1 sometimes sluggish in responding?**

A:

- 1.High bitrate lossless tracks, particularly 192k/24bit APEs, take more system resources to decode, possibly caus-ing slowdowns in the player UI. You may convert such APEs to FLACs or uncompressed WAVs using programs such as foobar2000 on the computer first to make it easier on the player. The sound quality will be the same.
2. Placing too many songs on the X1 may also contribute to slowdowns. Please limit the number of songs on the X1' s TF card where possible.
- 3.Placing non-music related files on X1' s TF cards, such as videos and pictures, may cause the X1 to slow down while sifting through them looking for music files. It is recommended to dedicate TF card on the X1 to music.
- 4.Playing high bitrate files from slow TF card may cause stuttering. Class 6 or above genuine microSD cards are recommended.
- 5.Unpredictable ordering of files, such as placing several .ape and .cue files in the same directory. The following directory structure is recommended: create separate folders for albums by the same artist, and open subfolders within each artist folder to hold single albums in separate subfolders.
- 6.A mixture of music files of several different codecs and sample rates may also slow down the player. It is recommended to place files of different codecs and sample rates into separate folders and to play files of the same type in sequence from these folders, to prevent the X1 from having to switch between different decoders frequently.

**Q:Why does the X1 get a bit hot in operation?**

A:The X1 utilizes an SoC with high clock speed, a separate DAC, and (also separately) a high power headphone amplifier, thus dissipating way more power than consumer DAPs typically performing computation, DAC and amplification all on the SoC. Apart from outputting more power to your headphones, a lot of this power is also dissipated as heat, thus causing the X1 to heat up slightly in operation; but this does not endanger the X1 or the listener in any way.

**7) Connection with other audio equipment**

Q:How to connect the X1' s line out to other audio equipment?

A:The X1' s line out outputs an unamplified signal to e.g. amplifiers, receivers, headphone amplifiers, car audio inputs, etc. The fact that it' s an "unamplified signal" can be misleading however. The line level signal of the X1 is of a higher voltage than the headphone out at all but the highest volumes and can damage headphones if you connect them directly to the line out. Please remember to set the output mode as line out.