

How I use the FiiO X7 DAP _{v01}

As I have it configured to use

By John G. Artus, July 2023

My FiiO X7 Specifications

- The FiiO X7 is a 384kHz / 64bit / DSD high resolution lossless Digital Audio Player (DAP)
- Amplifier Module: AM2
- The X7 supports various music formats such as
 - DSD, DXD, WAV, WMA, APE, FLAC, AAC, AIFF, ALAC, Ogg Vorbis, MP2, MP3 etc.
 - I use the FLAC codec exclusively
- The X7 functions in one of two major modes
 - Android Mode using any music player app a user chooses to install
 - Pure Music Mode which only supports the native player app called FiiO Music
- Currently my X7 runs the following software:
 - Android v5.1
 - Kernel 3.0.101+
 - Firmware FiiO FW3.3.9
 - Music App "FiiO Music" v1.1.5
- Storage
 - RAM: 1GB
 - Internal Storage: 32GB
 - External Storage: 1 x 256GB max

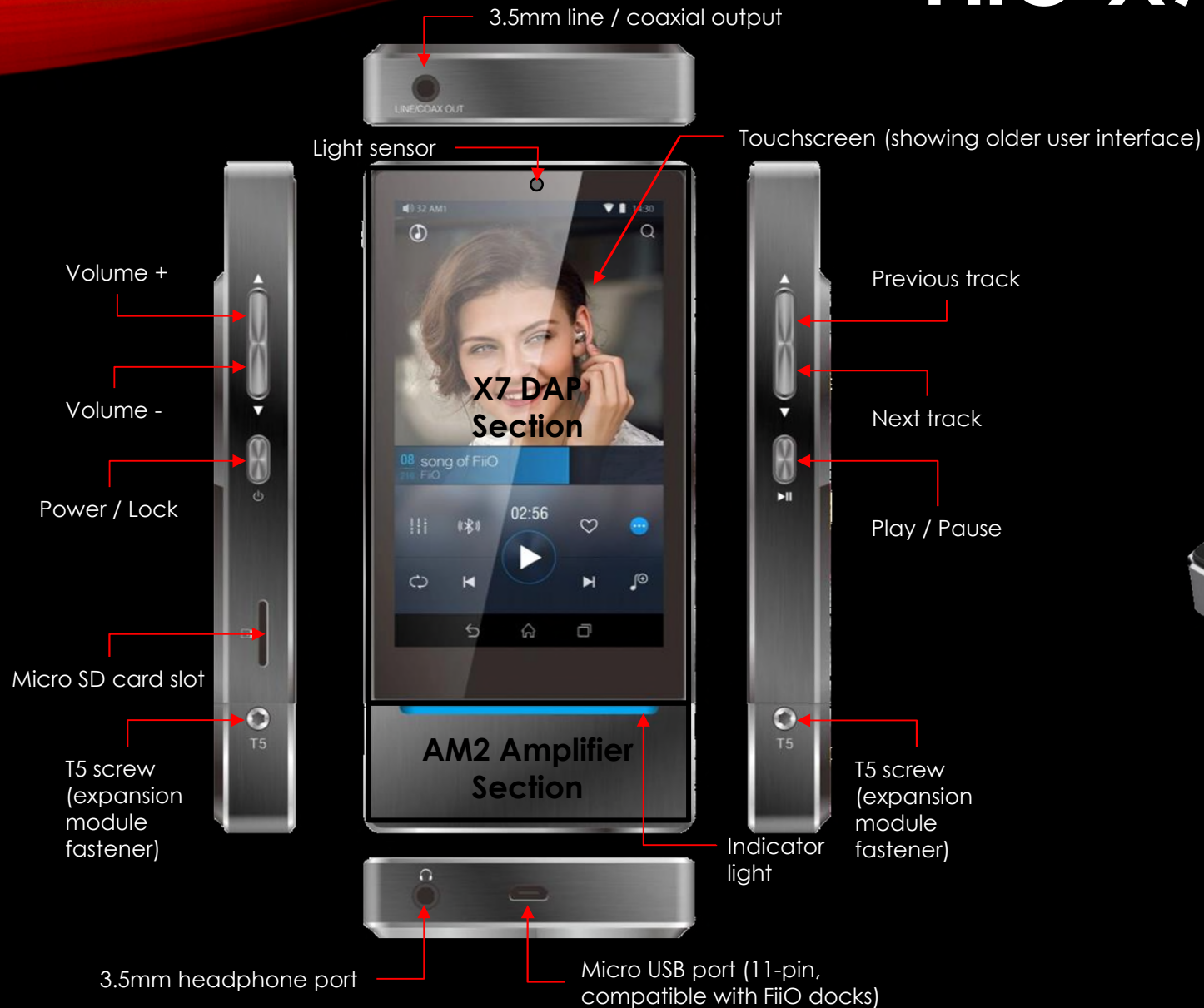
My FiiO X7 Specifications

- Battery: 3500 mAh 3.7V Li-poly battery
- Play Time: approx. 10 hours (normal usage)
- Charging
 - 5V/2A Power Adapter: 4.5 Hours
 - Computer USB Port: 8 Hours
- Chipset
 - System: Rockchip RK3188-SOM (System On Module) for Quad Core 32 bit Cortex-A9 SOC running at up to 1.6Ghz
 - Digital-to-Audio Converter (DAC): ES9018S (8 channels)
- Model X7
- Serial Number 60030169190902
- NB P344a

FiiO X7 Device Layout

Button Combinations

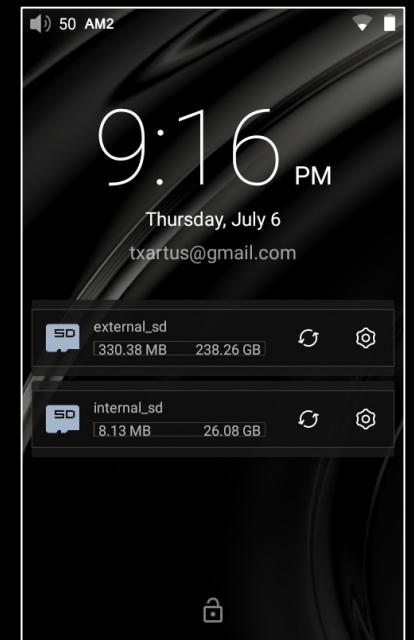
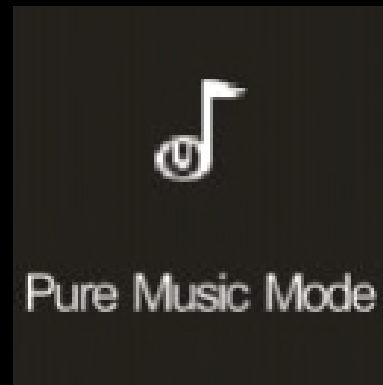
- Capture screenshot: (Power & Volume -)



Switching to Android Mode

This mode allows access to the subset of Android functions available on the X7

- To convert from Pure Music Mode to Android Mode
 - While in Pure Music mode, pull down the status menu from the upper right of the touchscreen and tap on the “Pure Music mode” icon
 - The player will prompt you on whether to reboot in Android mode
 - Press OK to reboot the X7 in Android mode
 - This mode allows access to the subset of Android functions available on the X7

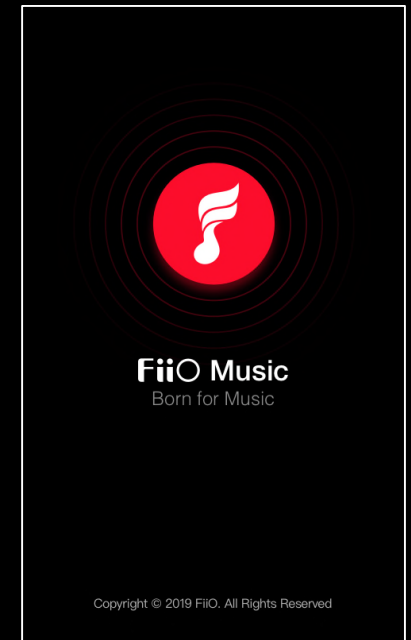
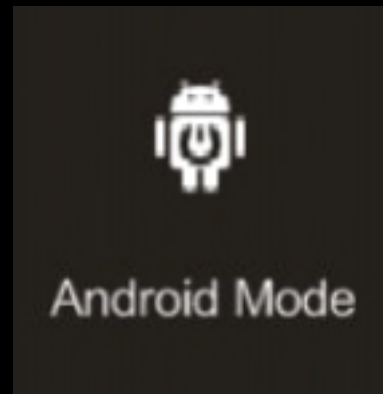


Startup Screen in
Android Mode

Switching to Pure Music Mode

This mode is my primary use of this device for music listening

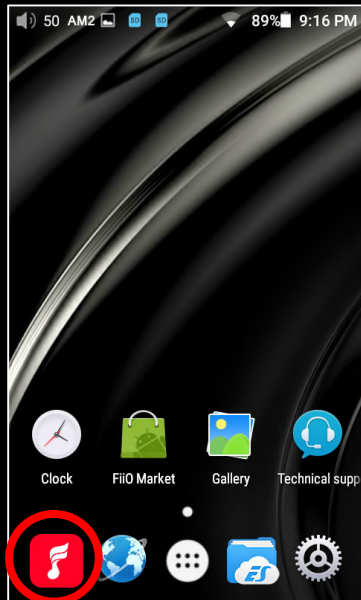
- To convert from Android Mode to Pure Music Mode
 - While in Android mode, pull down the status menu from the upper right of the touchscreen and tap on the “Android Mode” icon
 - The player will prompt you on whether to reboot in Pure Music mode
 - Press OK to reboot the X7 in Pure Music mode
 - This mode allows uninterrupted music enjoyment with the built in FiiO Music app



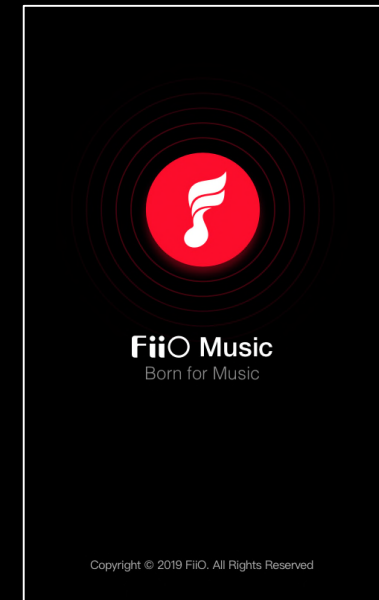
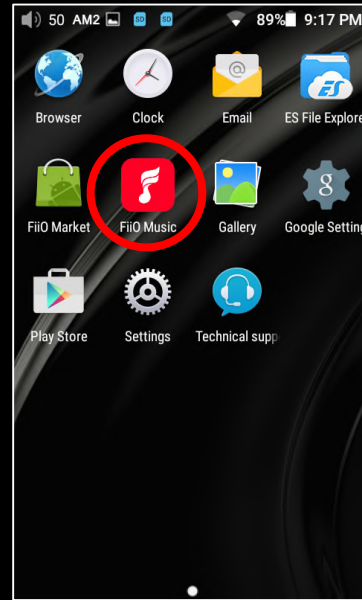
Startup Screen in
Pure Music Mode

Playing Music with FiiO Music App

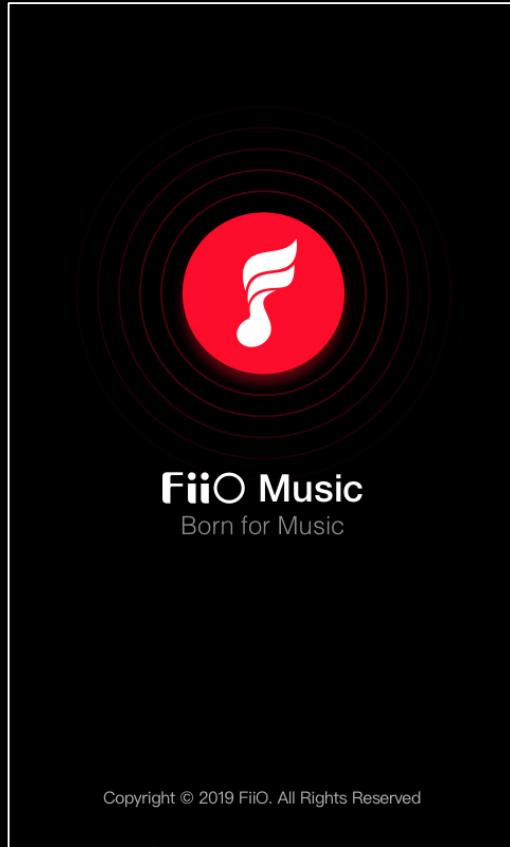
- The FiiO Music App functions exactly the same whether in Android Mode or in Pure Music Mode
- Android Mode
 - Select FiiO Music App
- Pure Music Mode
 - App Starts Directly



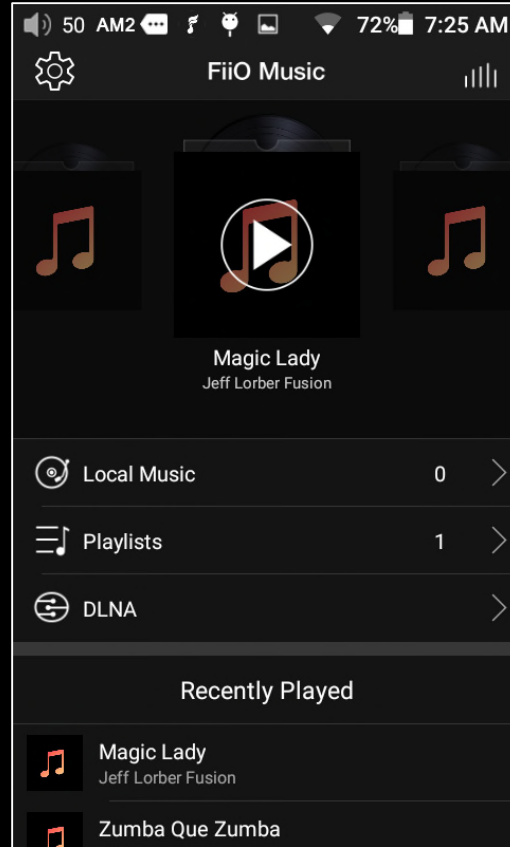
OR



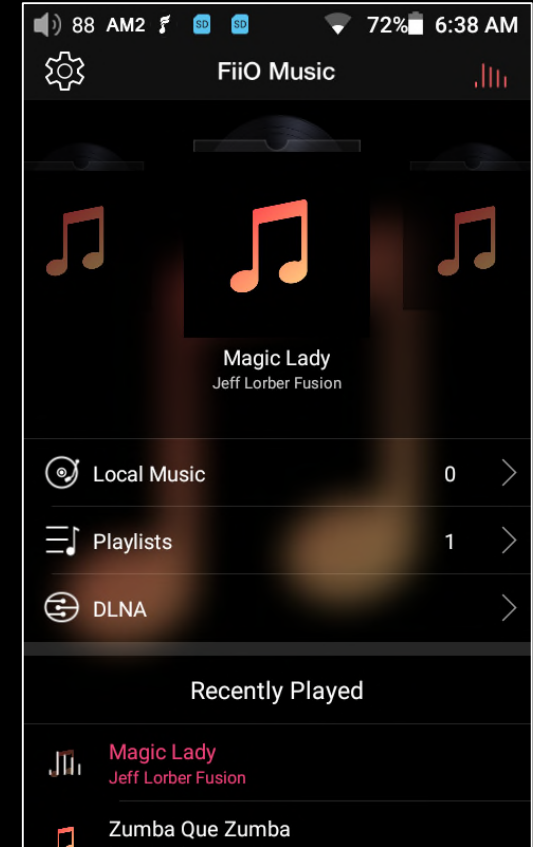
FiiO Music App



Splash Screen

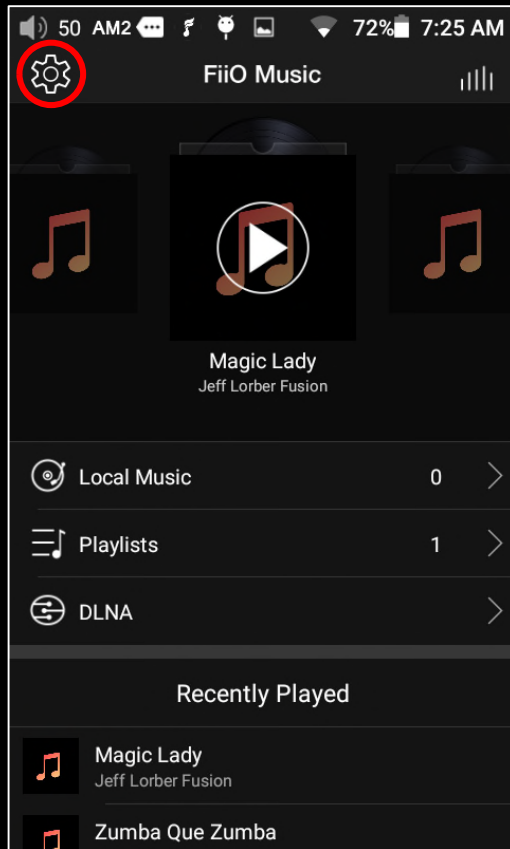


Starts in Idle if not in
Resume Mode

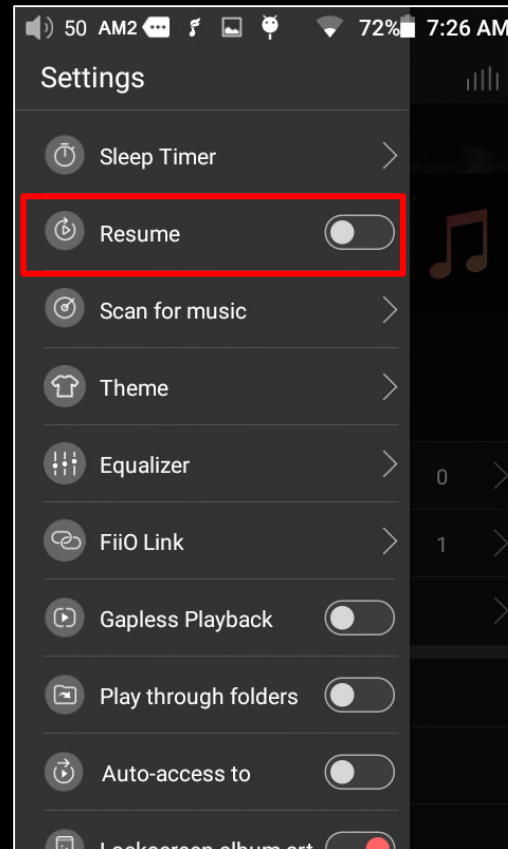


Starts Playing Most Recent
Song if in Resume Mode

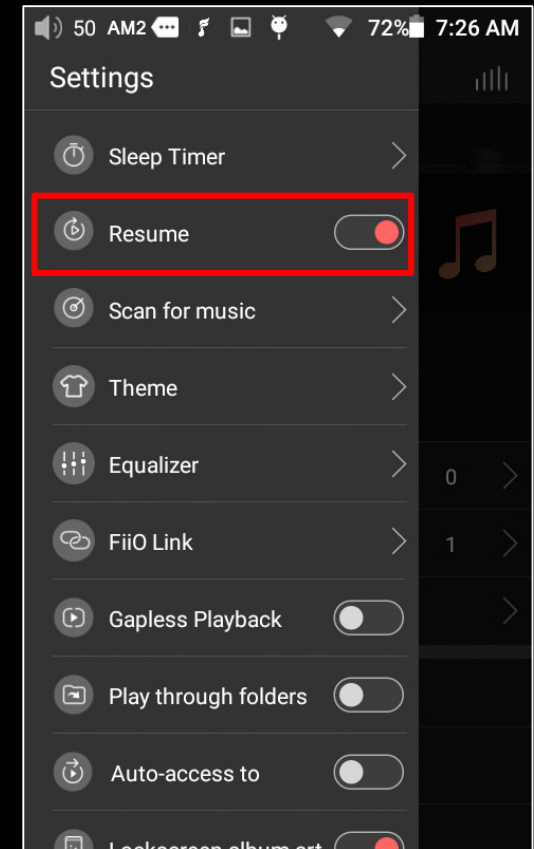
Setting Resume Mode



Go To "Settings"



Resume Mode Off

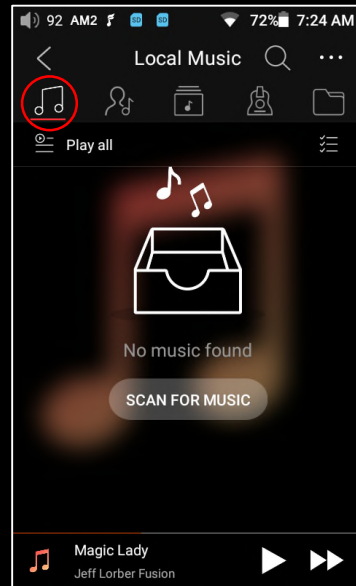
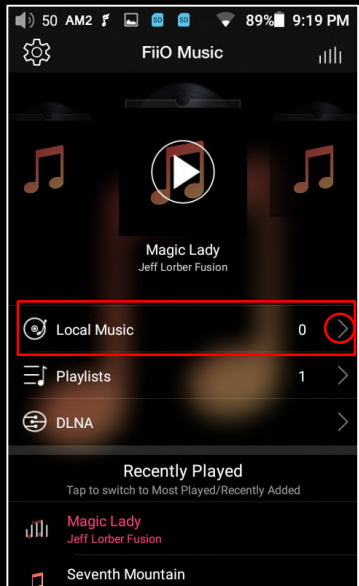


Resume Mode On

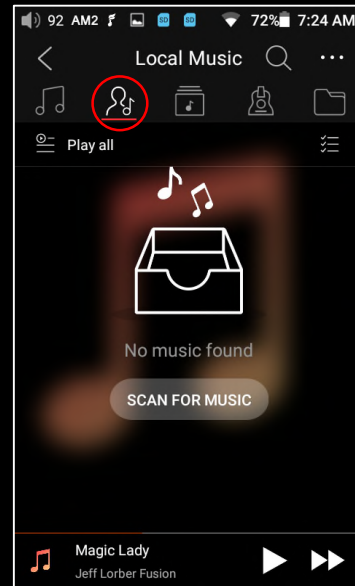
Resume Mode starts playing the last song played as soon as the FiiO Music App starts

FiiO Device “Local Music”

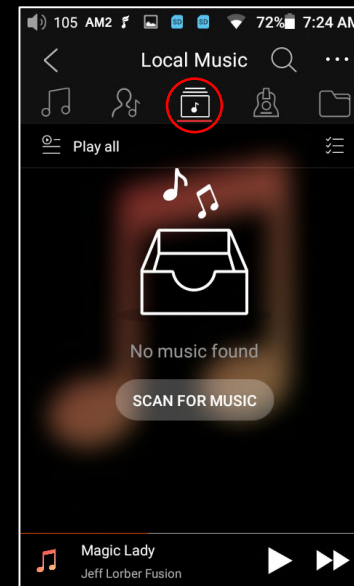
Local Music Search Options



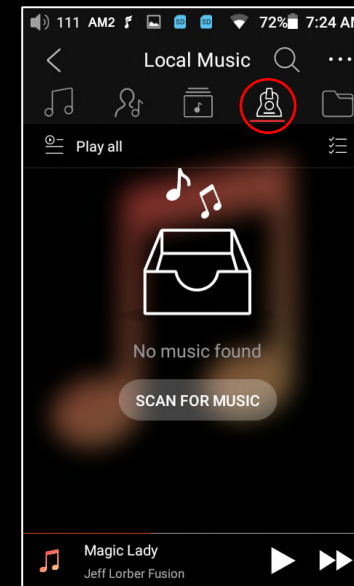
By Song Title



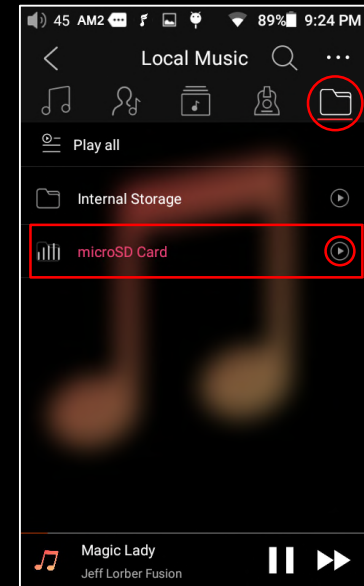
By Artist



By Album



By Genre



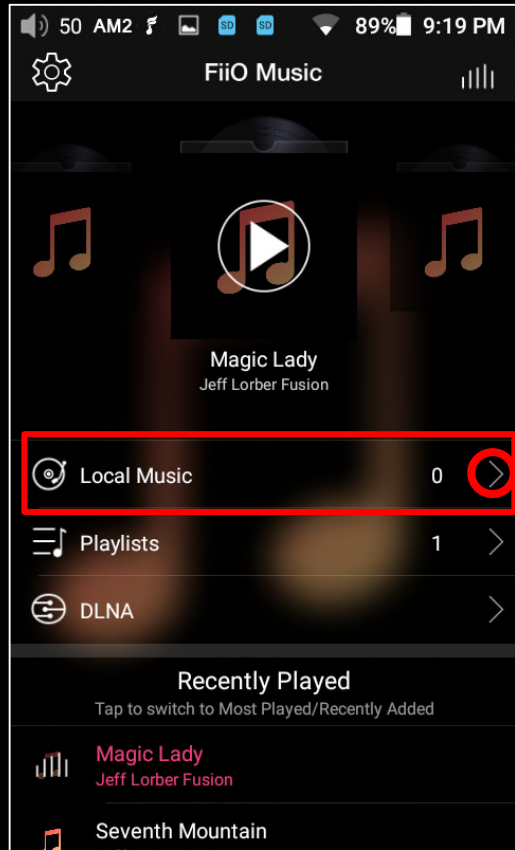
By File

Select “Local Music”

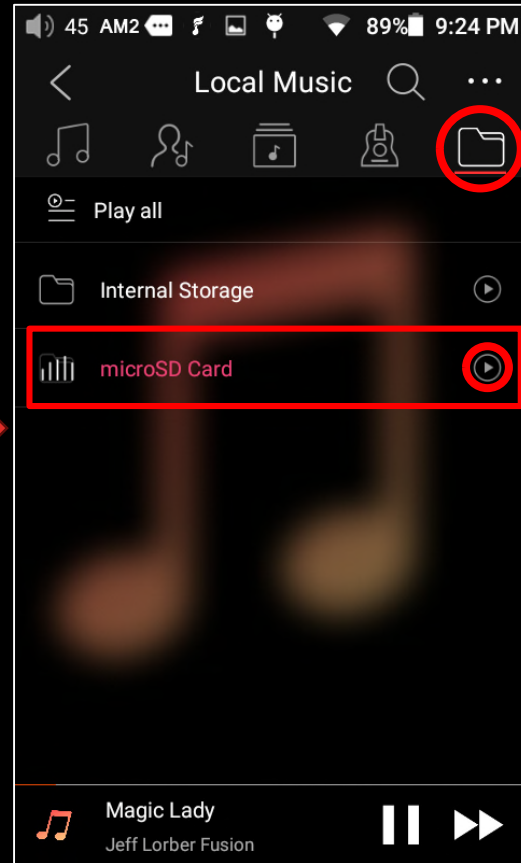
I ONLY use this option to search for my own custom-built Playlists

Playing Playlists

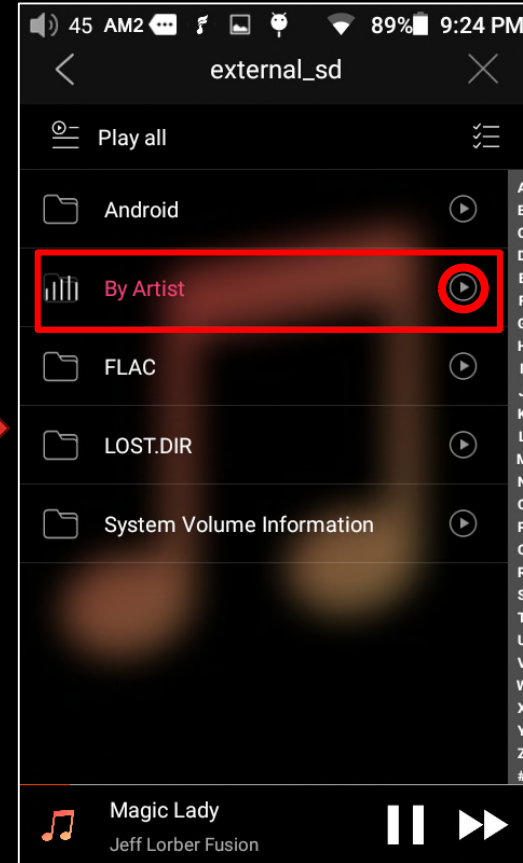
On this device I ONLY play Playlists



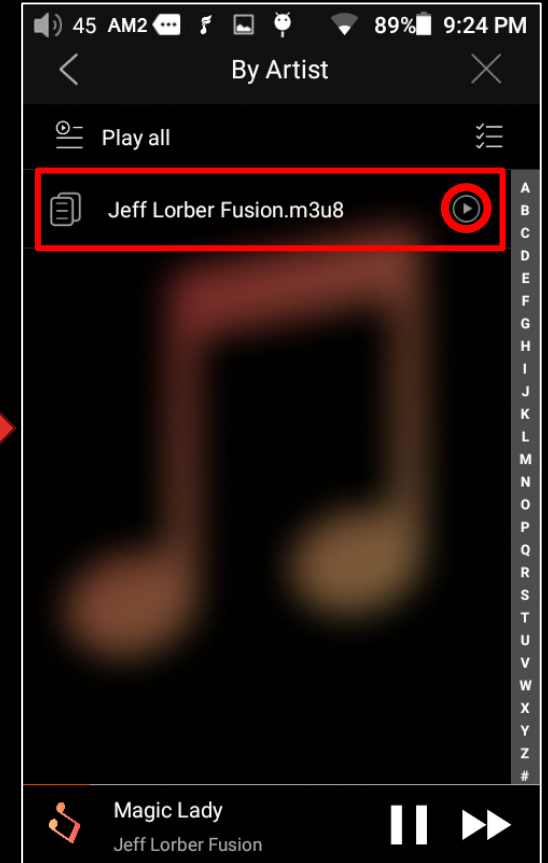
Select "Local Music"



Select Folder icon
Select "microSD Card"



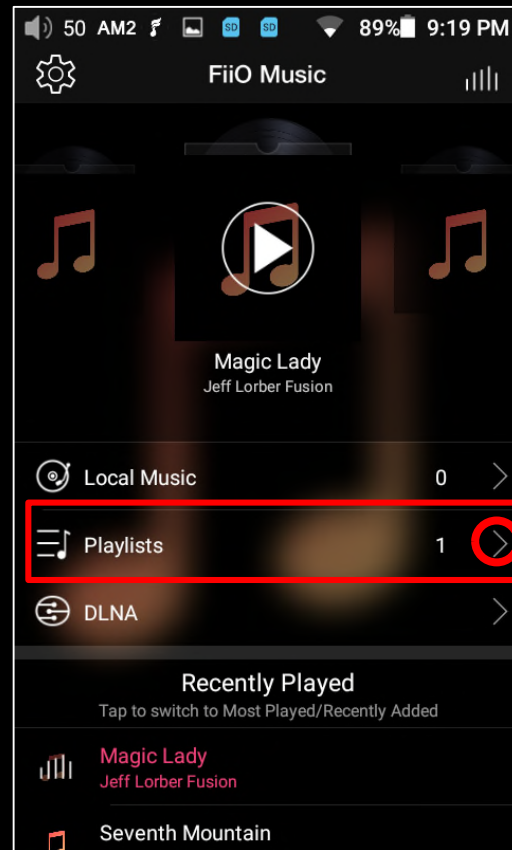
Go To One of the
Playlist Folders



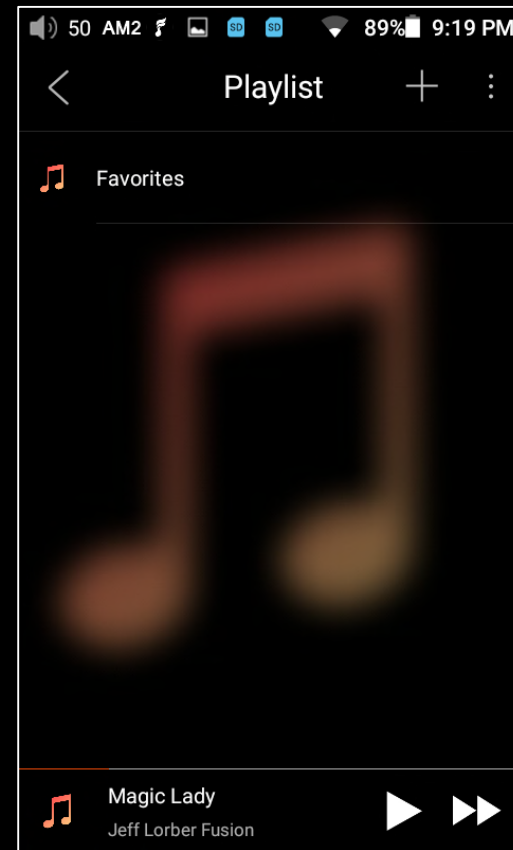
Select a Playlist to Play

Using Playlists Created on FiiO Device

I do not use this function in my use of this device



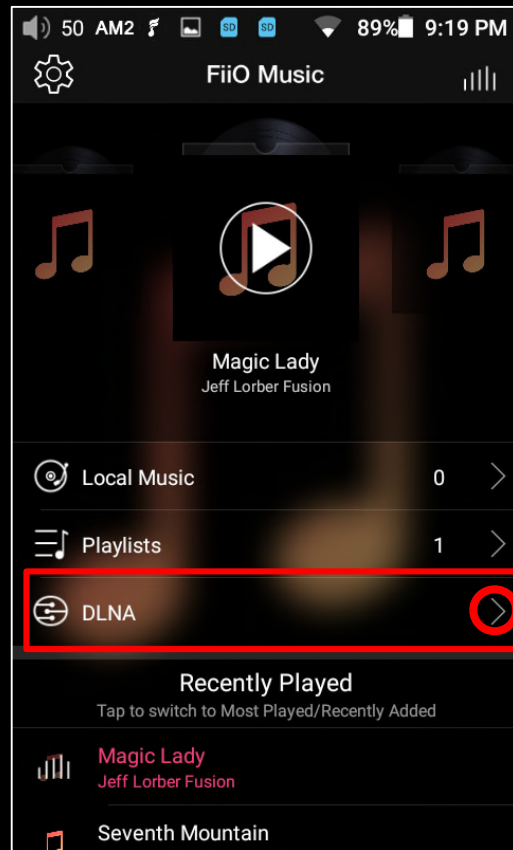
Select "Playlists"



I Use No FiiO-Created Playlists

Using DLNA*

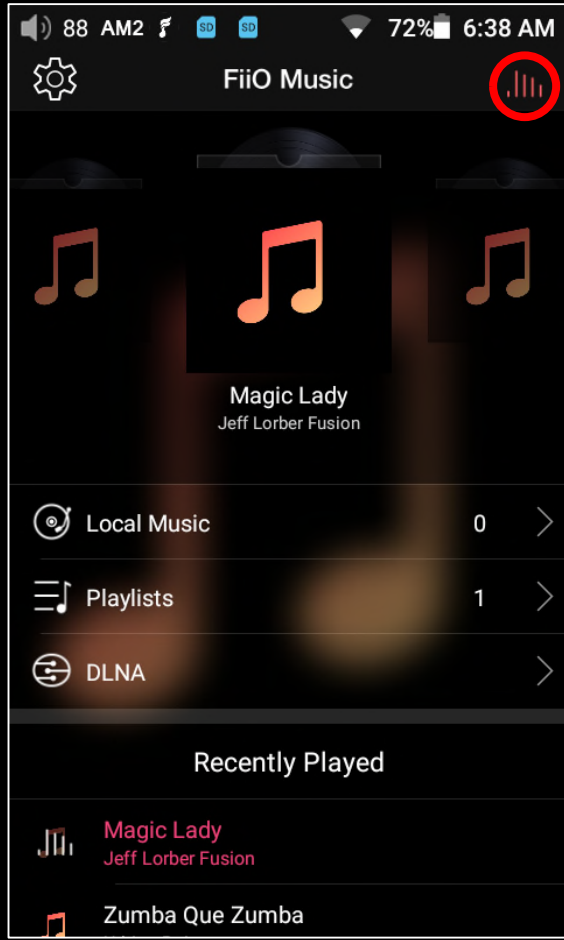
I do not use this function in my use of this device



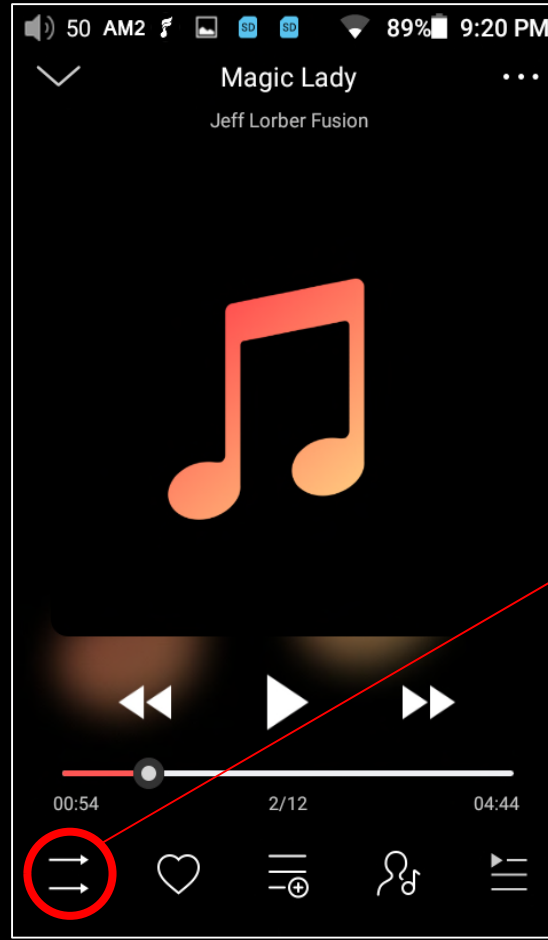
* Digital Living Network Alliance (DLNA) provides a set of interoperability guidelines for sharing digital media among multimedia devices

I Have No Access to a DLNA Network

Selecting Song Play Mode



Select "Music Bars" icon
while song is playing



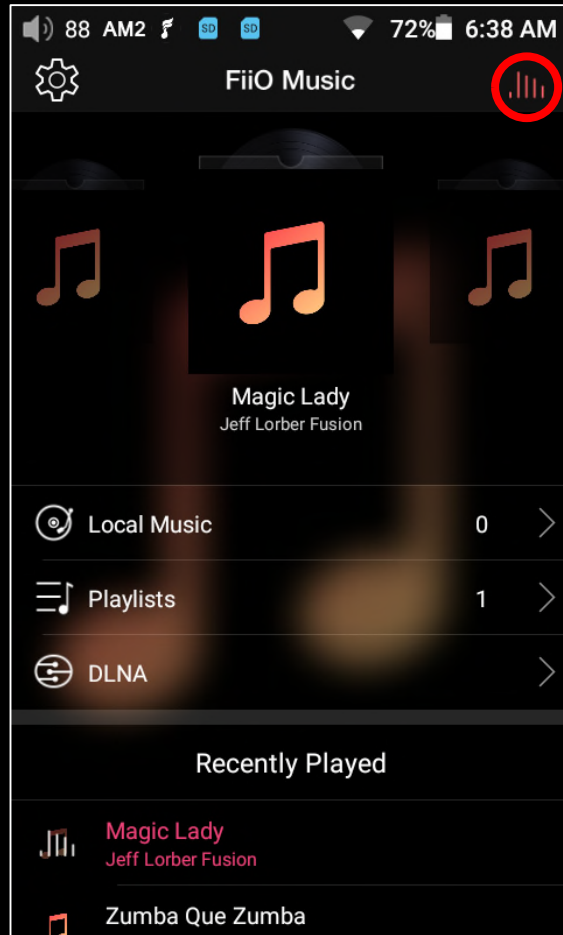
Select "Play Mode" icon

Play Mode Options

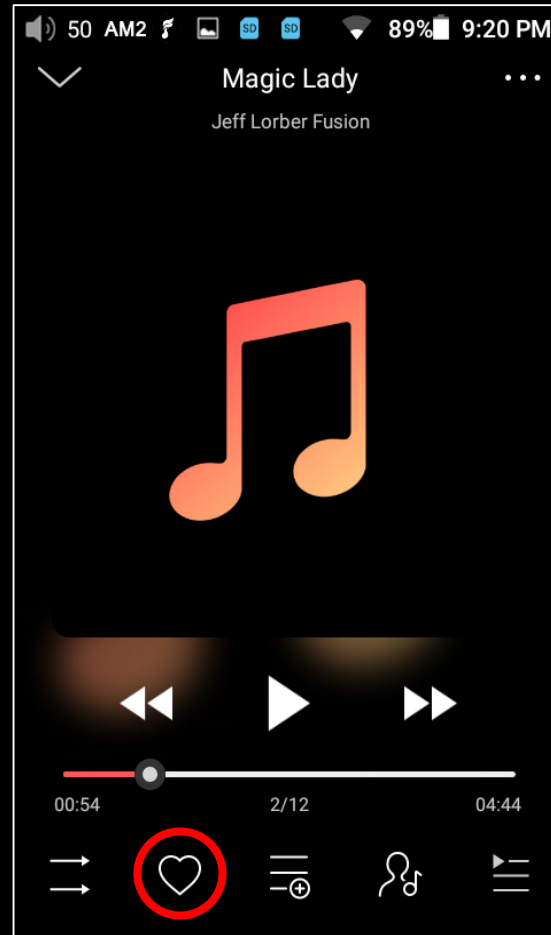
- ⇒ Play All Once
- ↻ Shuffle
- ↺ Loop Single
- ↻ Loop All

Selecting Favorites

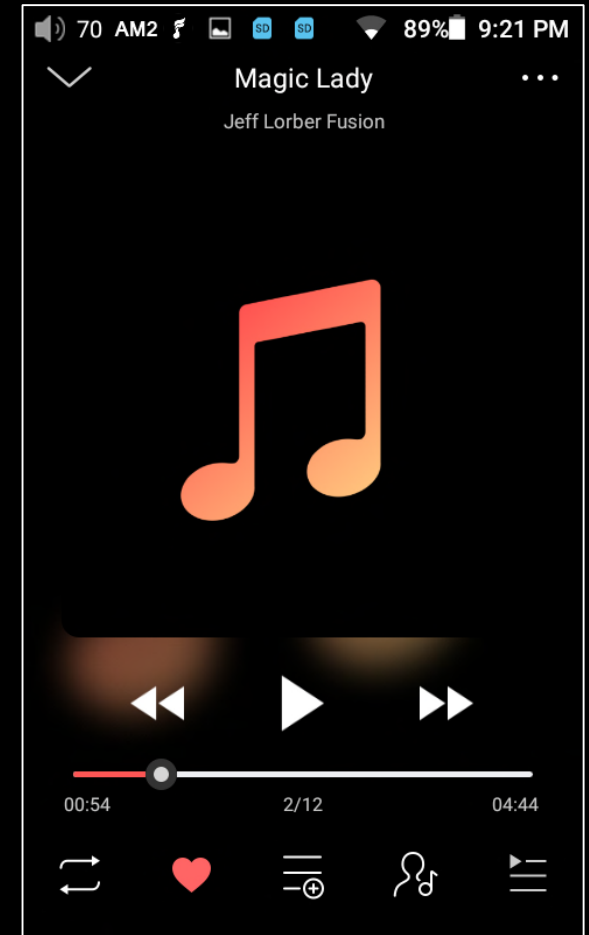
I do not use this function in my use of this device



Select "Music Bars" icon while song is playing



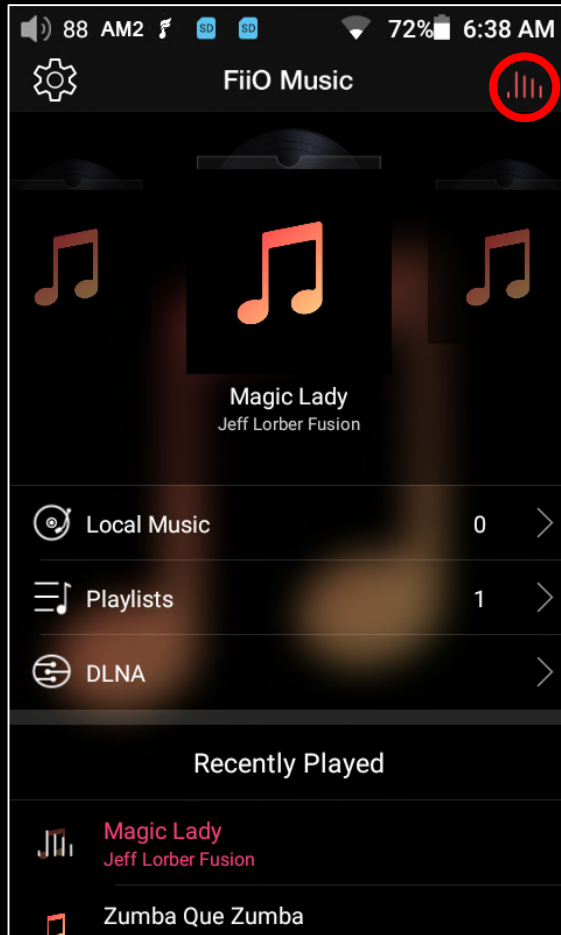
Select "Favorites" icon



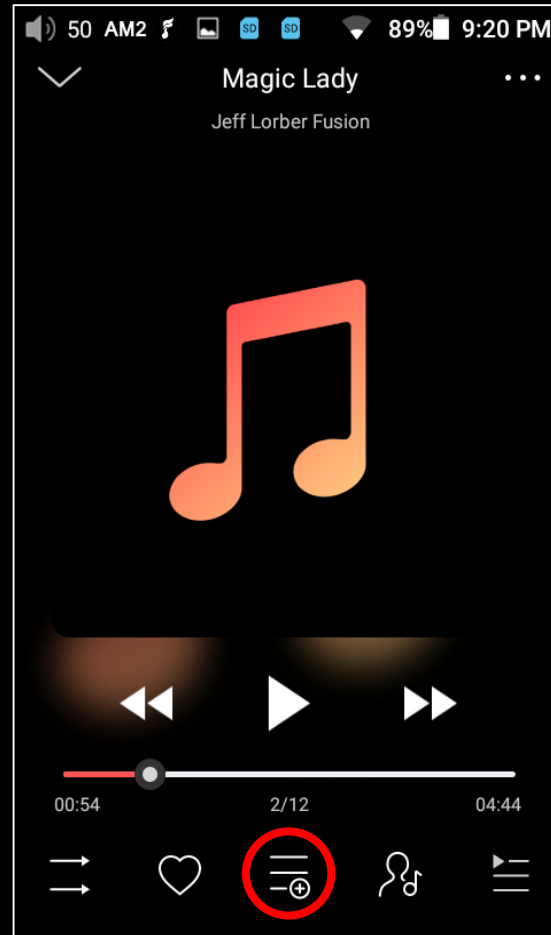
This adds the present track to the Favorites playlist

Add To FiiO Device Playlist

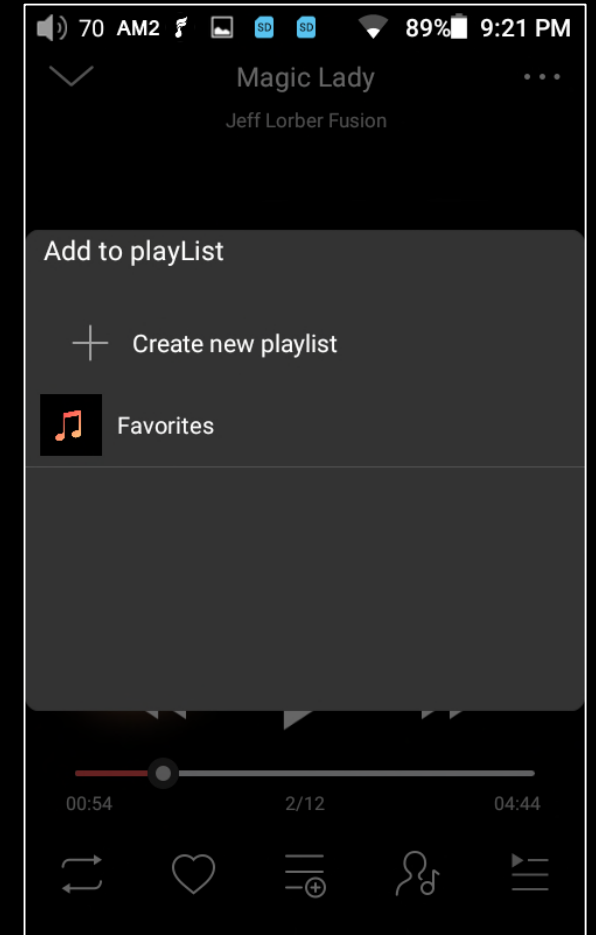
I do not use this function in my use of this device



Select "Music Bars" icon while song is playing



Select "Add To Playlist" icon



This adds the present track to the selected playlist

Android Mode

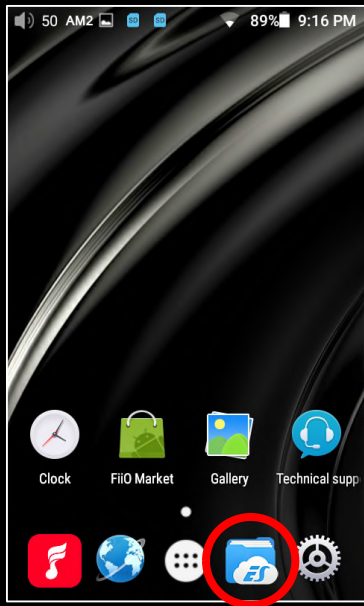
This section only addresses the Android functions associated with managing music files on the FiiO X7 Device

- File Functions
 - microSD Card Folder location
- Computer functions
 - Transitioning to-and-from USB Mode
 - Transferring music and playlist files to microSD Card

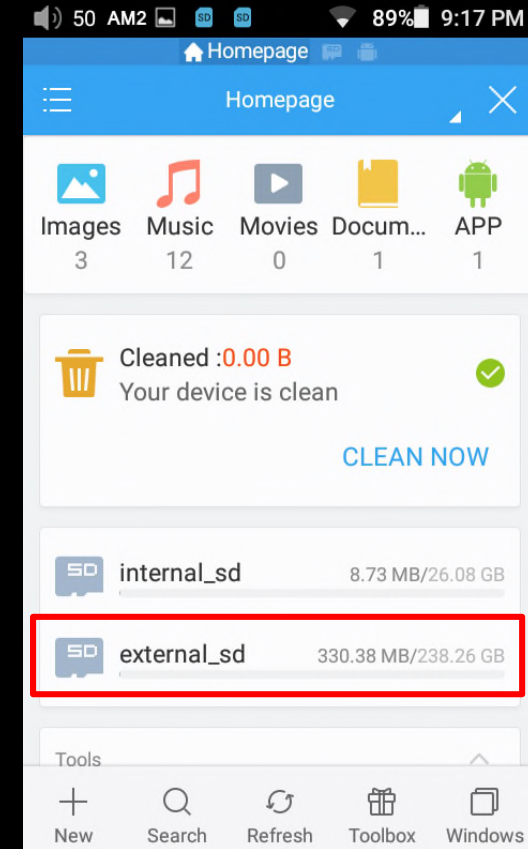
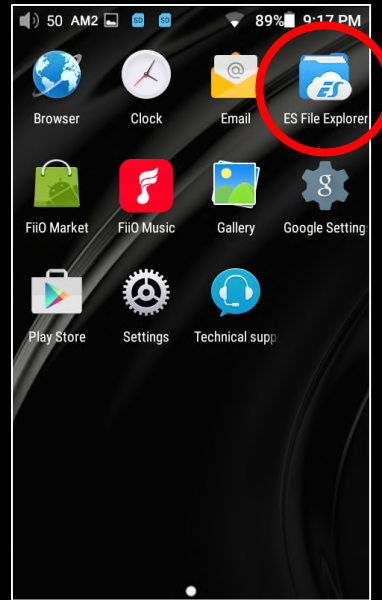
Android microSD Card Folder Location

- There are several ways to move to the microSD Card location in Android
 - Using ES File Explorer
 - From ES File Explorer Menu
 - From ES File Explorer Menu -> Device

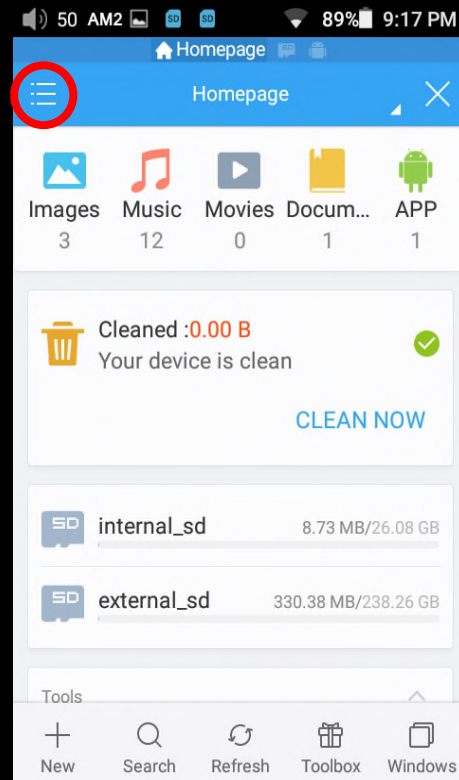
Using ES File Explorer



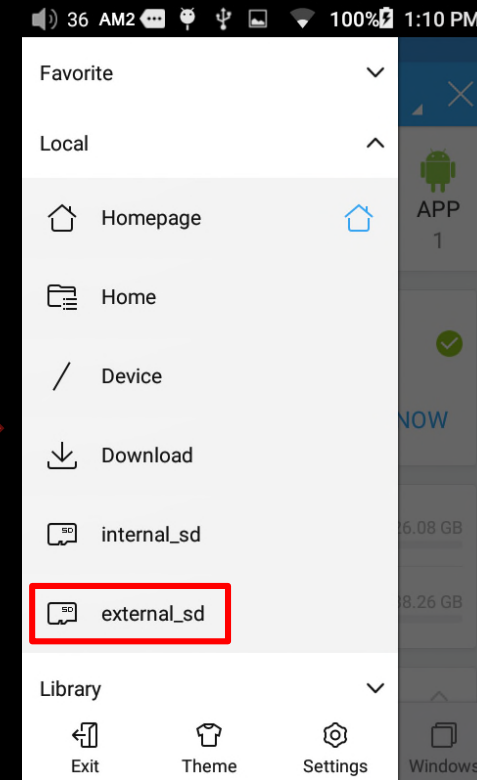
OR



From ES File Explorer Menu

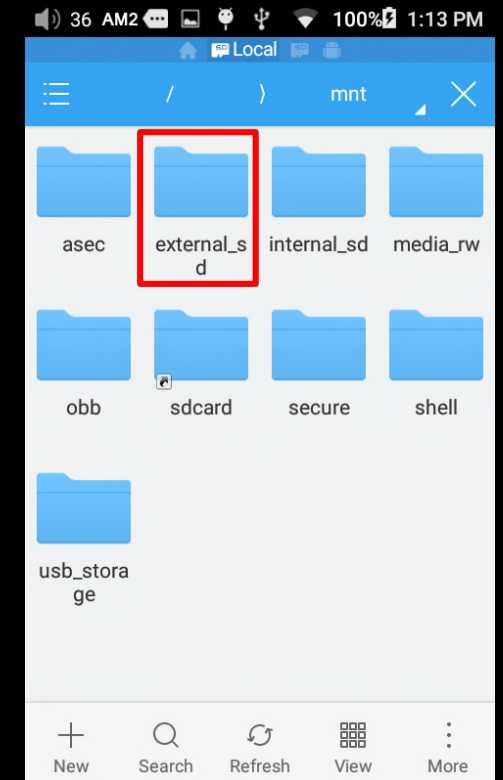
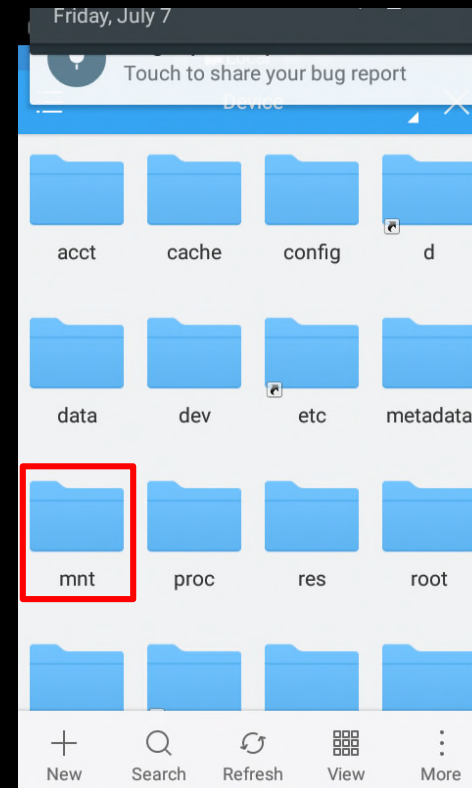
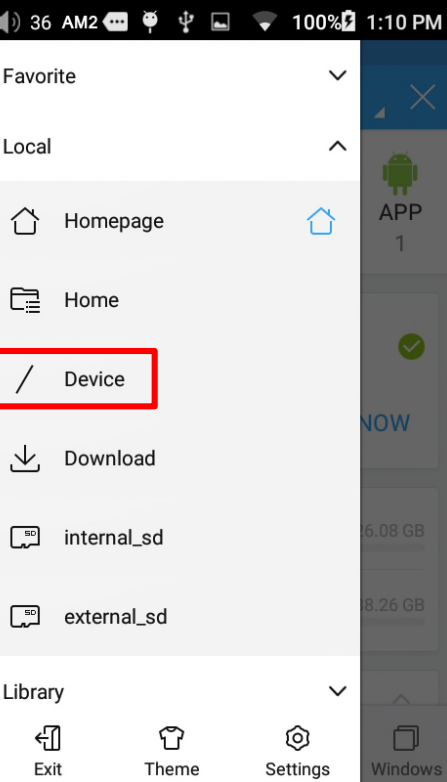
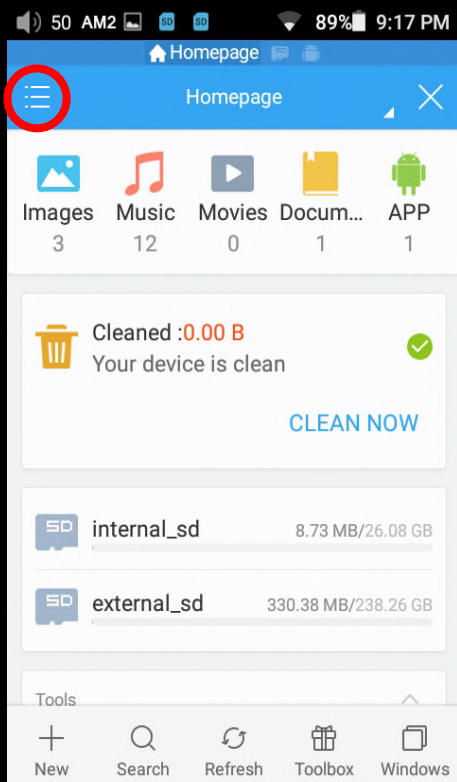


Select the ES File Explorer
Menu



Select "external_sd"

From ES File Explorer Menu -> Device



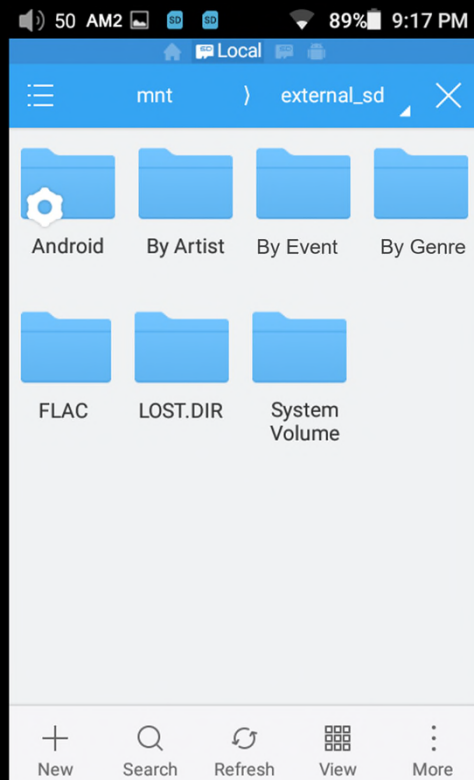
Select the ES File Explorer
Menu

Select “/ Device”

Select “mnt”

Select “external_sd”

My microSD Card File Organization



- Playlists are located in folders
 - By Artist
 - By Event
 - By Genre
- Playlists are all of type *.m3u8
- Songs are located in folder
 - FLAC
- Songs are organized as
 - FLAC/Artist/Album/Title.flac

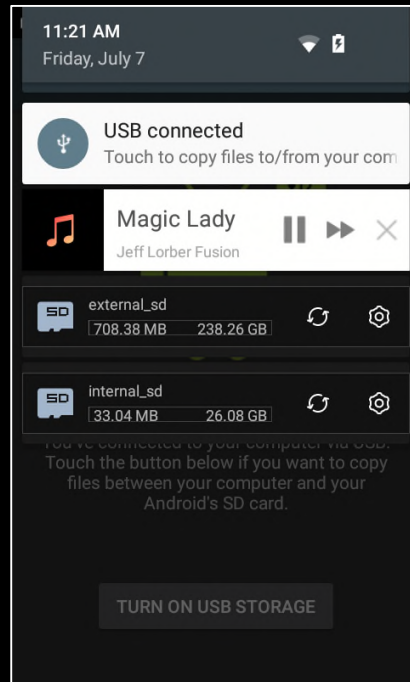
Transitioning to-and-from USB Mode

- Plug in a USB data cable connected to a computer USB port into the FiiO X7



Attach USB Data Cable
to FiiO X7 USB Port

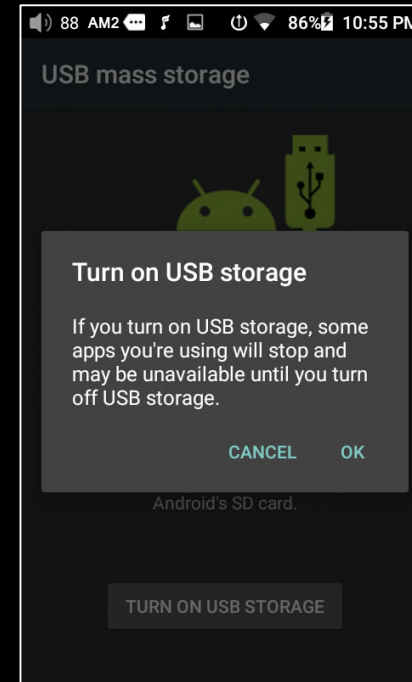
When Done ...



A notification will popup
Click on it



Click on
"Turn on USB Storage"



Click on "OK"



Click on
"Turn off USB storage"

Transferring Files from Computer to microSD Card

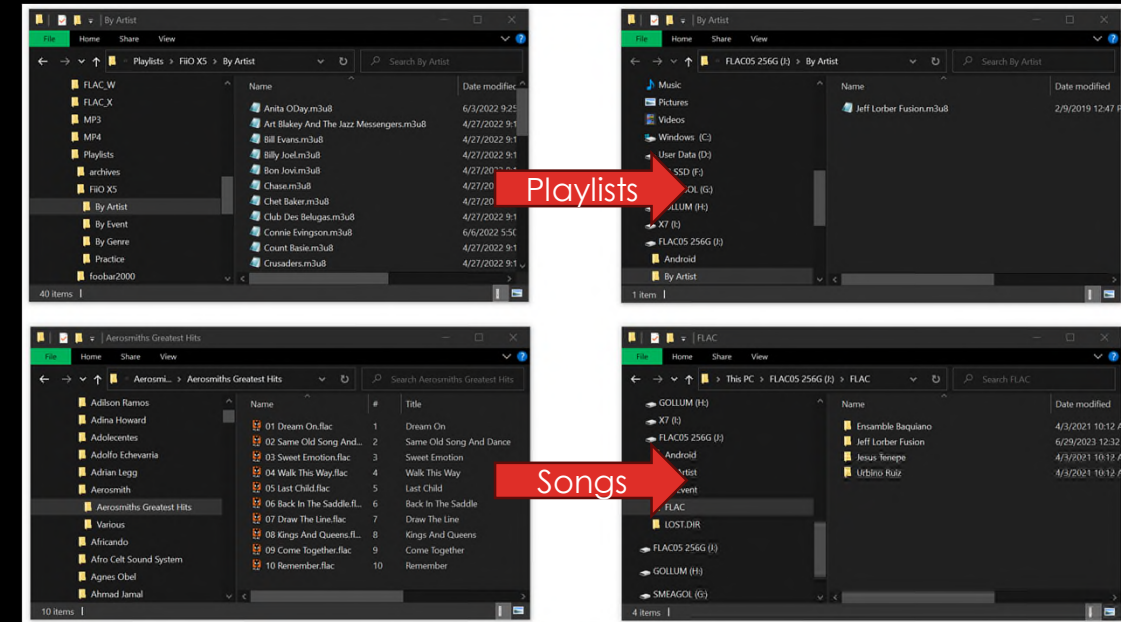
- Two methods:

- Manually

- Fine for just a handful of playlists and music files
 - I have over 15,000 songs and over 100 playlists
 - So, transferring files manually is not an option for me
- To do so, set up multiple file explorer windows to facilitate choosing files to drag to the microSD Card
- This can be done
 - With the microSD Card loaded on the FiiO X7
 - Or with the microSD Card connected directly to the computer

Computer

microSD Card



- Via my Music Library Manager App

- See separate documentation on the use of this App

