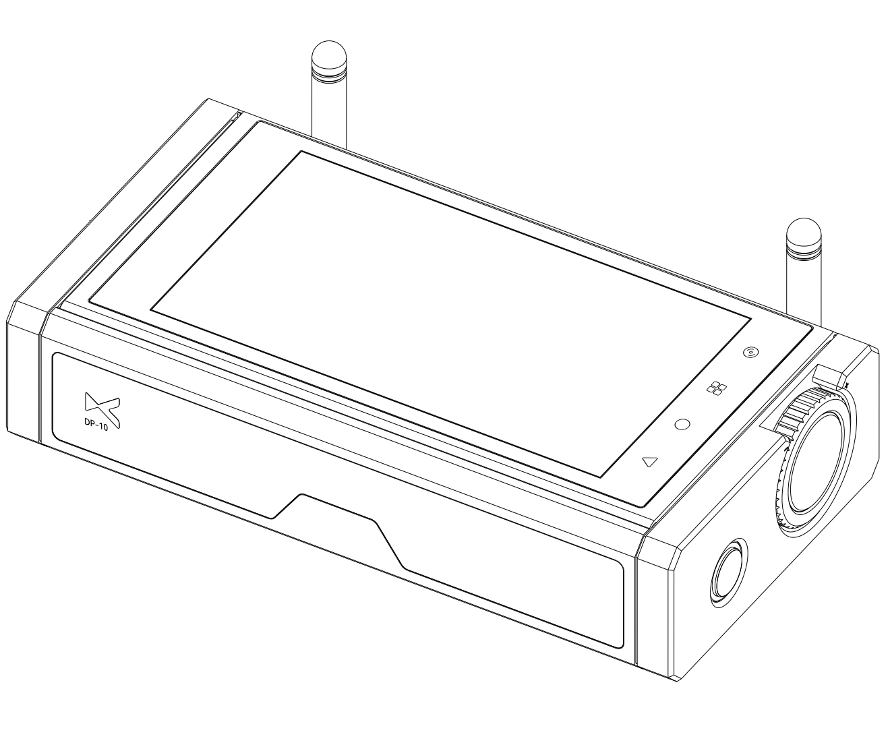
DP-10

User Manual



Please read this manual carefully before use and keep it properly for future reference

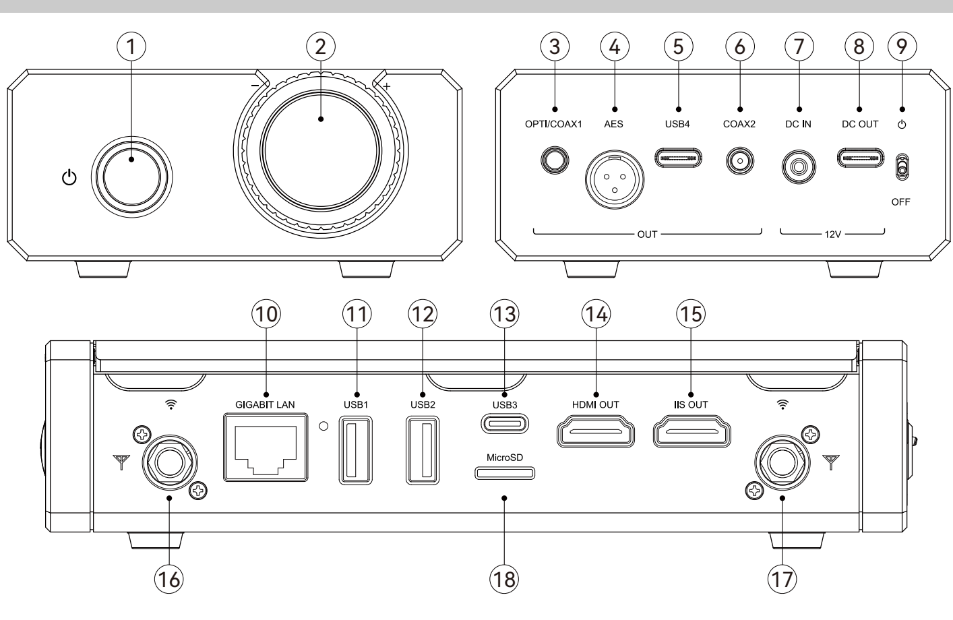
Product Introduction

DP-10 is a streaming lossless music player transport that can be connected to various decoding devices. Developed based on the deeply customized Android 14 system, it runs smoothly. As a high-specification professional playback device, it supports multiple modes such as local playback, local area network playback, streaming media playback, streaming playback, network disk playback, and CD-ROM playback, with a maximum support for PCM 32bit/768kHz and DSD512. The device is equipped with a 5.5-inch high-definition touch screen with 1080x1920 pixels, and also supports remote control by APP on mobile phones and tablets, making the operation extremely convenient. In terms of storage, in addition to the built-in 64GB memory, it is compatible with large-capacity storage devices such as M.2 NVME SSD, Micro SD card, and USB flash drives, and also supports network cloud disks and local area network NAS hard drives, completely eliminating concerns about storage capacity. The audio output includes multiple interfaces such as USB, AES, Coaxial, Optical, HDMI, IIS, and Bluetooth output, which can meet the connection methods of various decoder interfaces and the connection needs of various decoders. It is an ideal core audio source front-end in home audio systems.

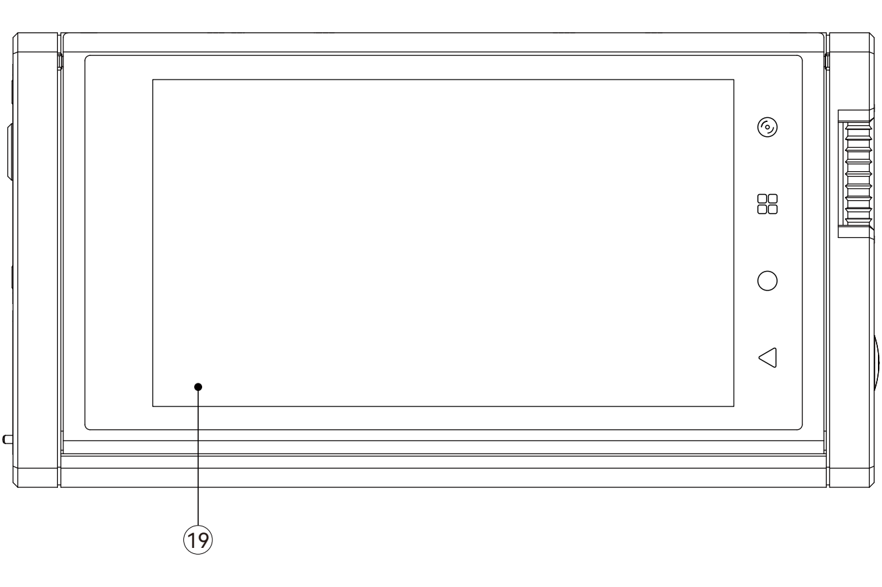
Product Features

1、It is equipped with a 5.5 - inch HD touchscreen with 1080×1920 pixels, ensuring smooth and fluid operation.
2、It is equipped with a quad-core 64-bit ARM Cortex-A55 processor, paired with 8G RAM + 64G ROM, providing strong support for the smooth operation of the system.
3、The operating system is developed based on in-depth customization of Android 14.
4、Supports Gigabit wired network and 2.4G/5.8G WiFi6 wireless connection, ensuring better stability for network playback.
5、It supports remote control the player via an APP installed on mobile phones or tablets, making operation extremely convenient.
6、It can be connected to a larger display to enable touch control and content browsing, delivering a more impressive large-screen viewing experience.
7、It supports local playback. You can connect storage devices such as M.2 SSD, Micro SD cards, USB flash drives, and mobile hard drives. Play various lossless and HD music files.
8、Supports playing songs shared on the local area network (LAN), such as those on NAS.
9、Supports direct playback of songs in cloud drives.
10、Compatible with major streaming media apps, making it easy to access online music resources.
11、Supports streaming services, enabling wireless music transmission via DLNA and AirPlay protocols for enjoying high-quality streaming music.
12、Supports CD-ROM playback function and allows copying of CD songs.
13、Compatible with various lossless music files, with a maximum supported sampling rate of PCM 32bit/768kHz and DSD512.
14、Equipped with USB, AES, Coaxial, Optical, HDMI, IIS and Bluetooth outputs, it basically covers the needs of various digital audio interfaces.
15、Adopts an ultra-low phase noise Jitter clock, enabling more accurate signal restoration.
16、Built-in multiple sets of power supplies, which provides power for each functional module separately without mutual interference.

Parts and Controls



① Power Button
Press briefly to power on; when the player is on, press and hold for 3 seconds to shut down directly, or press briefly to bring up the shutdown option menu.
② Volume knob
Rotate the knob to adjust the volume; short press mutes the sound.
③ Optical/Coaxial Output
④ AES Output
⑤ USB Audio Output
⑥ Coaxial Output (Transformer Output)
⑦ DC12V Input (the socket specification is Φ5.5 * 2.5mm)
⑧ DC12V Output（Type-C)
⑨ Main Power Switch
⑩ Gigabit Ethernet Port
⑪ USB3.0 port, can connect to USB storage devices and CD-ROM drives, and output USB audio.
⑫ USB2.0 port, can connect to USB storage devices and CD-ROM drives, and output USB audio.
⑬ USB2.0(Typec) port, can connect to computer for file copying, can connect to USB storage devices, and output USB audio.
⑭ HDMI output, it can connect to an external display to synchronize the display of the player itself, and supports touch screen control and audio output.
⑮ HDMI-IIS audio output
⑯ WiFi Antenna port (2.4G/5.8G)
⑰ WiFi Antenna port (2.4G/5.8G)
⑱ MicroSD port



⑲ 5.5-inch touch screen (1080×1920)

(Note: Only the USB3 interface can be used to copy computer files. It needs to be set to PC file transfer in the "System Settings > General > USB3 Function" menu.)

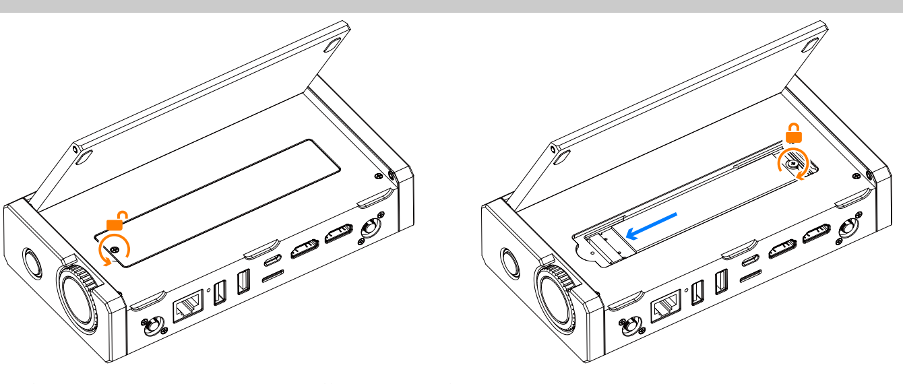
Functions of The Right Sidebar

The functions of the touch buttons on the right navigation bar are as follows:

◎	Go to the playing interface
⊞	Multitasking button
○	Home
◁	Back

(Note:The functions of the right navigation buttons support user customization. You can select functions in "System Settings > General > Right Navigation Bar Definition".)

Install M.2 SSD



1、Before installation, please turn off the power first.
2、Flip up the display, unscrew the screws, and open the SSD cover.
3、Align the pins of the M.2 SSD with the slot, then tighten the screw on the other end.
4、Lock the SSD cover back in place.

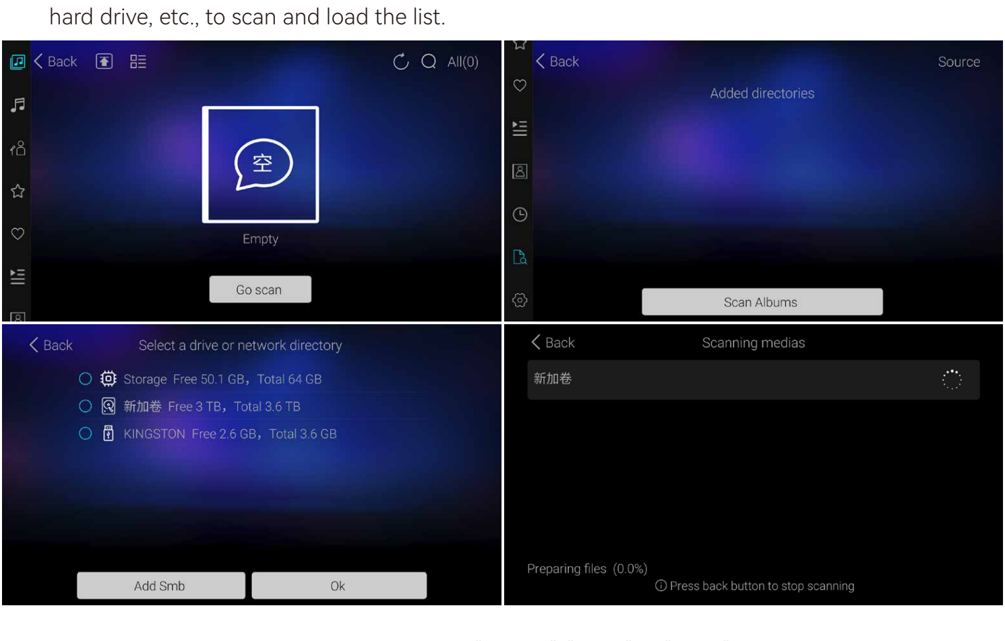
Note:1) This player does not come with an M.2 SSD from the factory and needs to be purchased by the user themselves.
2) It only supports M.2 interface, NVMe protocol, and SSDs with specifications of 2260, 2280 or 22110.
3) Before installing a new SSD, you need to use a computer to partition and format it first for normal use. The supported partition formats include NTFS, EXT4, and FAT32.

Quick Start

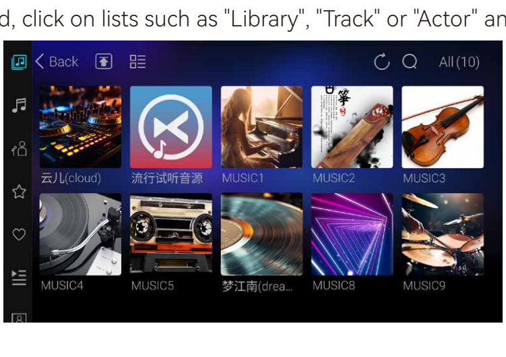
1、First, install the 2 WiFi antennas provided with the device, or connect a network cable, to facilitate setup after powering on.
2、Connect the DC12V power supply, then turn on the main power switch, and press the power button briefly to start the player.
3、After the player finishes booting up, follow the prompted steps to set up the language, region, network, phone control APP, and output mode.
4、After the setup is complete, you can play music in the following ways:
  A: Local Playback: Click to open xDuoo Music, then click "Go scan". Check the inserted M.2 SSD, MicroSD card, USB flash drive, or mobile hard drive, etc., to scan and load the list. Then select songs from the list to play.
  B: Local Area Network Playback: Access shared hard drives in the local area network such as NAS to play songs.
  C: Network Cloud Drive Playback: Access online cloud drives such as Dropbox to play songs.
  D: Streaming Media APP Playback: Click "APPs" to enter, select and install a streaming media playback APP, then log in to play songs.
  E: Streaming - Push Playback: Turn on streaming services such as DLNA and AirPlay in the music service, and send the songs from the music APP on the mobile phone that supports the Remote push - protocol to the local device for playback.
  F: CD Drive Playback: Connect a CD drive via USB to play CD music.
  G: Bluetooth Playback: Click "Output" to enter, select Bluetooth under "Source from", then use the Bluetooth of your mobile phone or computer to search for and connect to it, and then play songs.
5、The player features USB, coaxial, optical, AES, HDMI, IIS, and Bluetooth output port. You can select any output interface to connect to your decoder, and choose the corresponding output option in "Output".
6、Playing music, adjust the volume and then you can start enjoying music.
7、You can configure the options in the "settings" according to your personal preferences. Also can use the phone control app for remote operation.

xDuoo Music APP

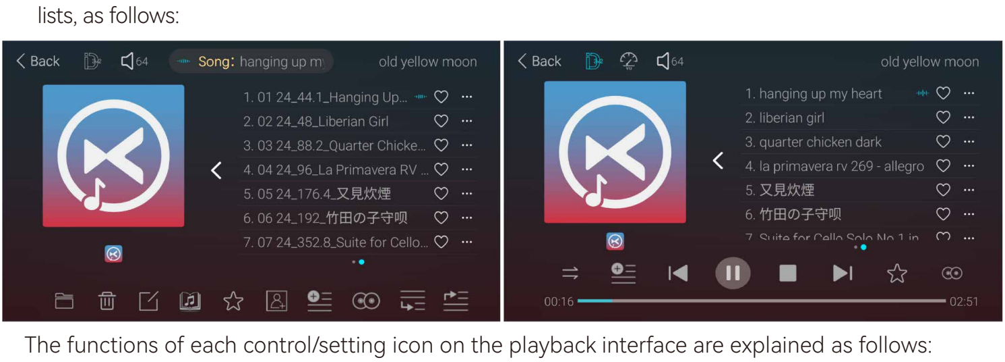
1、The xDuoo Music APP is a local music player. After entering it, click "Go scan" or click "Source" and then "Scan Albums", Check the inserted M.2 SSD, MicroSD card, USB flash drive, or mobile hard drive, etc., to scan and load the list.



2、After the list is loaded, click on lists such as "Library", "Track" or "Actor" and select a song to play.

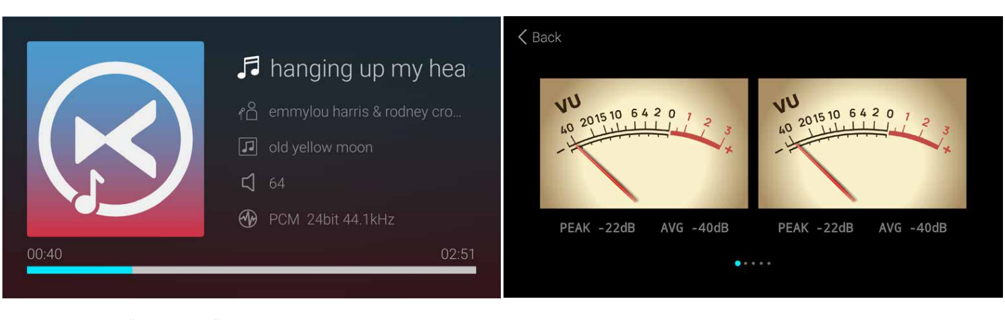


3、After playing a song, you can click on the track position in the top bar to enter the playback interface.
There is a difference in the playback interface when playing songs from the " Library " and " Track " lists, as follows:



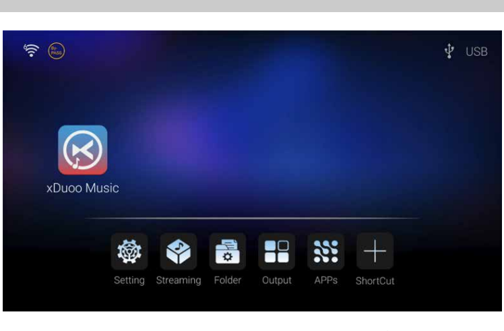
The functions of each control/setting icon on the playback interface are explained as follows:

【🗀】Check the storage path of the current album file	【🗑】Delete the current album file (it cannot be recovered after deletion)
【✎】Edit the current album name	
【☆】Add to "Favorites"	【🖼】View the album information
【☰】Add the current song to the "Playlists"	【🖼】Add the current album to "My Albums"
【☰】Add to the end of the play queue	【◎】Find similar albums, tracks, and artists
【🗎】Display the ID3 information of the song	【☰】Add to the front of the play queue
【⇉】Playback order: Play in sequence, Repeat one, Shuffle play, Repeat all, Play album in order, Seamless play	
【◎】Display VU dynamic meter	【♡】Add to the "I Like" list



4、Click on "settings", where you can setting such as Album Display, Music Category, Album Sorting, Album Covers, and Backup Recovery.

Main Interface

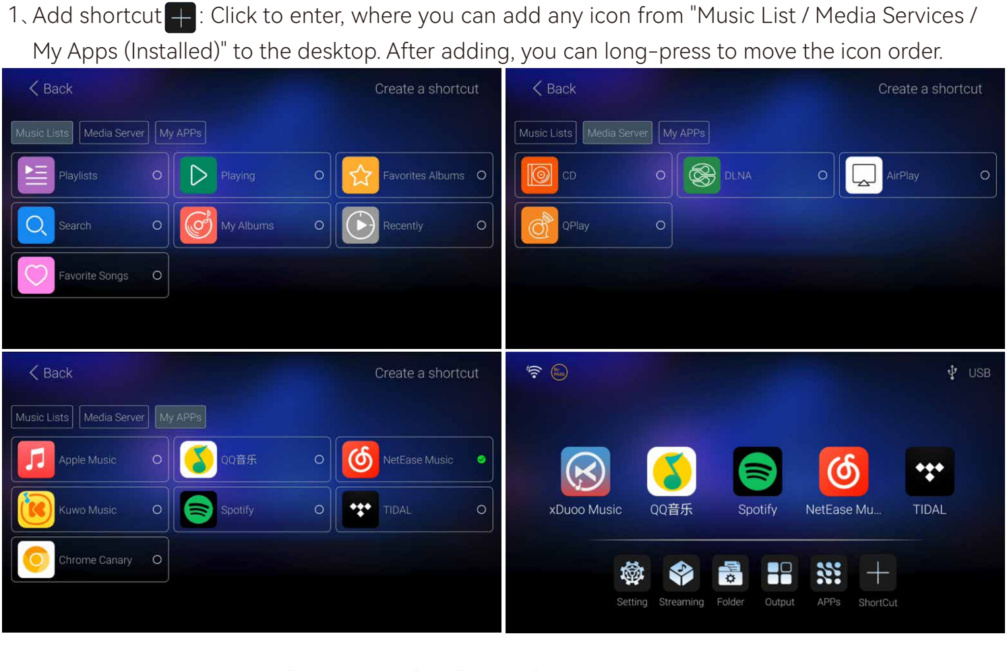


1、There are two rows of icons on the main interface, which are respectively:
The first row contains icons of music apps or lists, with only the xDuoo Music APP pre-installed at the factory. You can click the + icon in the second row to add lists or installed apps to the desktop, making it convenient to quickly play music. The order of adding apps or lists follows the sequence of your selection. After adding them to the desktop, you can also long - press the app icon. When the icons that can move left and right appear, drag them to adjust their arrangement position. In addition, you can slide left and right to view the added app icons.
The second row consists of function management icons, including System Settings, Streaming Services, Folder Management, Output Modes, Apps Store, and Add Shortcut. Clicking on each icon will take you to the corresponding option for settings.

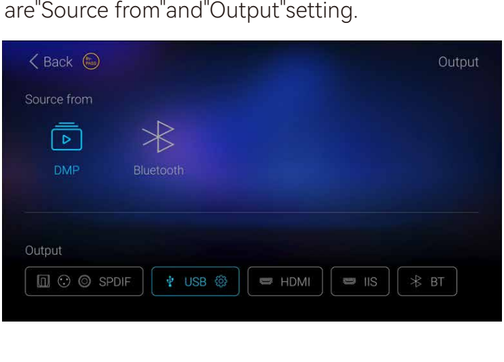
2、Gesture operation on the main interface:
1)Swipe down to enter the playback interface;
2)Swipe up from the bottom to bring up the shortcut bar;
3)Swipe up at the position of the first row to enter the APP Store.

Function Management

1、Add shortcut ⊞: Click to enter, where you can add any icon from "Music List / Media Services / My Apps (Installed)" to the desktop. After adding, you can long-press to move the icon order.



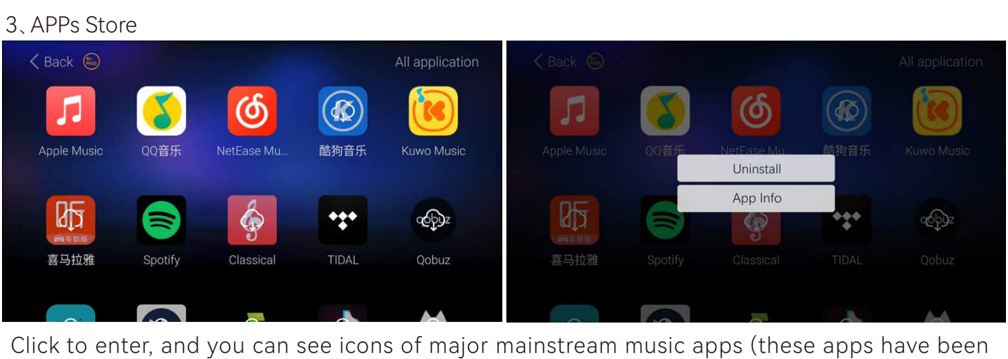
2、Output Setting: There are"Source from"and"Output"setting.



(1)Source from:
Refers to the source of the music being played. There are two input sources: DMP (playing music from the DP-10) and Bluetooth reception. Clicking on an option to turn it blue indicates that it is selected.
- **DMP:**
Playback on DP-10, such as via xDuoo Music, LAN playback, cloud drive playback, streaming media APP playback, streaming push, and CD-ROM drive playback.
- **Bluetooth reception:**
Click to select, which will turn on Bluetooth. At this time, you can turn on devices with Bluetooth such as mobile phones or computers, search for and connect. After successful connection, you can play music and send it to DP-10 for decoding.

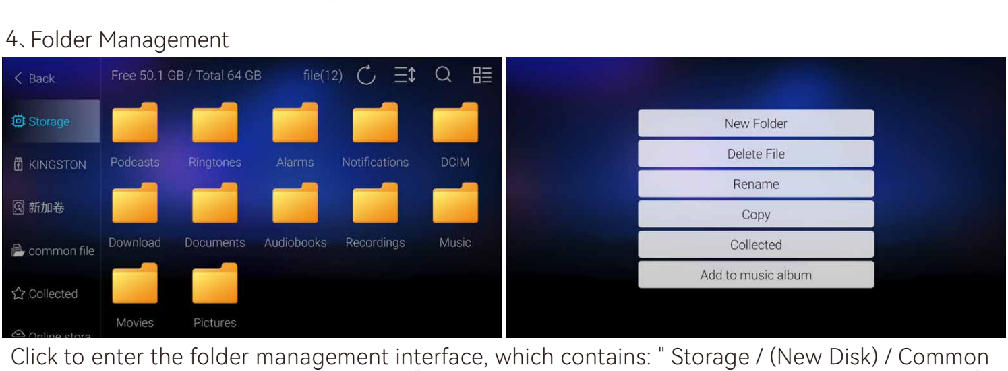
(2)Output Setting:
After playing via DP-10, you need to set the output port corresponding to the decoder you are connected to. The respective explanations are as follows:
- **SPDIF (Coaxial, Optical, AES) Output:**
Click to select (it will turn blue), and then you can click the setting icon to set the DSD format output to DOP or D2P mode. The maximum sampling rate is PCM-192kHz and DSD64. If the specification is exceeded, it will be automatically downsampled to 192kHz or 176.4kHz for output. (Note: The coaxial, optical, and AES have output simultaneously)
- **USB Output:**
Click to select (it will turn blue), then you can click the setting icon to set the DSD format output to Native or D2P mode. The maximum sampling rate is PCM-768kHz and DSD512. (Note: All USB ports support USB DAC function. The device will automatically detect the USB DAC connection and lock it; simultaneous multiple USB audio outputs are not supported.)
- **HDMI Output:**
Click to select (it will turn blue), then you can click the setting icon to set the DSD format output to DOP or D2P mode. The maximum sampling rate is PCM-192kHz and DSD64. If the specification is exceeded, it will be automatically downsampled to 192kHz or 176.4kHz for output.
- **IIS Output:**
Click to select (it will turn blue), then you can click the setting icon on to set the DSD format output to DOP or D2P mode. The maximum sampling rate is PCM-192kHz and DSD64. If the specification is exceeded, it will be automatically downsampled to 192kHz or 176.4kHz for output.
- **Bluetooth Output:**
Click to select (it will turn blue), then click the setting icon to enter the Bluetooth search interface. After finding a Bluetooth device, click on the device name to connect. If no Bluetooth device is found, you can press the refresh icon to search again. (Note: 1. When the "Source from " is Bluetooth reception, there is no Bluetooth output.)

3、APPs Store



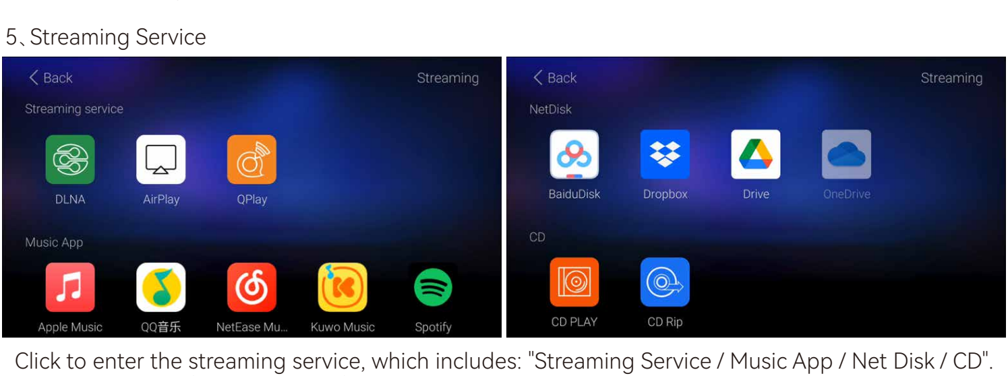
Click to enter, and you can see icons of major mainstream music apps (these apps have been adjusted and configured for DP-10 by us). Click to download and use them. To uninstall, long-press the icon for 2 seconds to uninstall the app.
(Note: 1. A network connection is required to display all music apps. 2. In addition to the "streaming music apps" pre-installed on the device, if users need to install other music apps, they can do so via local installation: copy the downloaded APK files from a computer to DP-10, then find the corresponding APK in File Management and click to install. 3. Compatibility of other music apps cannot be fully guaranteed.)

4、Folder Management

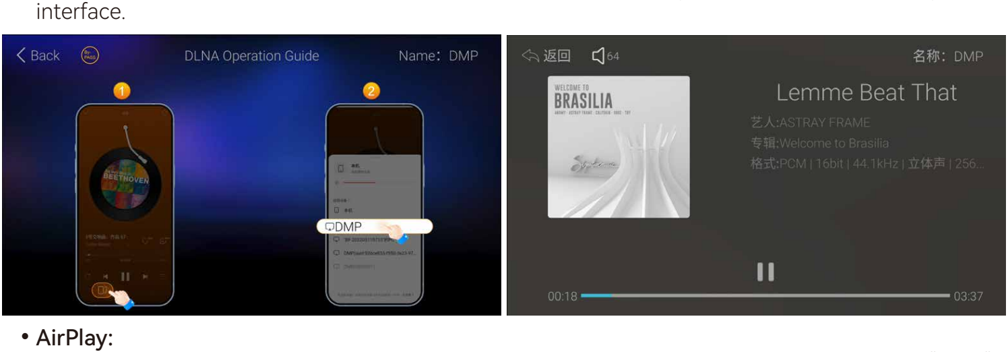


Click to enter the folder management interface, which contains: " Storage / (New Disk) / Common Files / Collected / Online storage / LAN". You can browse or manage files stored in the DP-10's internal storage disks and network storage. The explanations for each are as follows:
- **Storage:**
Refers to the built-in EMMC storage of the DP-10, which is mainly used to store firmware and install apps. Please try to avoid storing other files here to prevent failure in normal apps installation due to full storage space.
- **New Disk:**
Inserted M.2 SSD, Micro SD cards, USB flash drives, or mobile hard drives will be displayed as new entries. (Note: In the "Storage" and "New Disk" interfaces, long-press a folder to perform quick editing and management operations such as copying, pasting, renaming, and deleting.)
- **Common Files:**
Used for quick access to folders containing recently played songs. After playing a song in a folder directory, that folder will be automatically added here and sorted by playback frequency.
- **Collected:**
This is favoriting folders. When browsing folders, long-press a folder and click "Collected" in the pop-up dialog box to complete the favoriting; the same operation applies to unfavoriting.
- **Online Storage:**
Refers to cloud drives, supporting such as Dropbox. After logging in, you can play music in the cloud drive.
- **LAN:**
Allows access to hard drives shared via the SMB protocol service within the local area network, enabling playback, transfer, and management of music files stored therein. Network NAS supports two login methods: anonymous login and username-based login. While logged in, long-press the NAS icon to log out.

5、Streaming Service

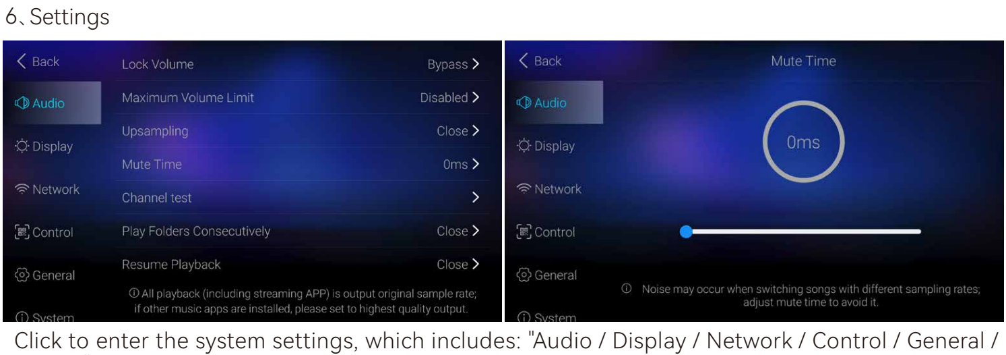


Click to enter the streaming service, which includes: "Streaming Service / Music App / Net Disk / CD". The explanations for each are as follows:
- **Streaming Service:**
Supports DLNA and AirPlay protocols.
- **DLNA:**
Click to enter the DLNA pairing interface. Open a DLNA-compatible playback app on a mobile phone, computer, tablet, or other device, select "DMP" from the searched devices, and play music to complete the music push. Once DMP receives the audio signal, it will enter the playback interface.



- **AirPlay:**
Click to enter the AirPlay pairing interface. On your IOS device, tap the AirPlay icon, select "DMP" from the search list, and play music to complete the push. Once DMP receives the audio signal, it will start playing automatically.
(Note: When using the streaming service, both devices must be connected to the same local area network.)
- **Music App:**
Music apps will only be displayed here if they have been installed from the app store.
- **Net Disk:**
Supports online cloud storage services such as Dropbox. After logging in, you can play the music stored in them.
- **CD:**
Supports connecting CD drive with USB port for playing or copying song files (only the USB1 and USB2 ports of DP-10 can be connect CD-ROM).
Operation Steps: After connecting the CD drive, click the CD icon to automatically enter the playback interface, where the DP-10 will display the CD album cover and related information. And you can click the CD copy icon to enter the operation interface, then click "Start" to copy the audio files from the disc to the DP-10.
(Note: Regarding the CD playback and copying, you can click【🕮】in the upper left corner of the CD playback interface to view the guidance content.)

6、Settings

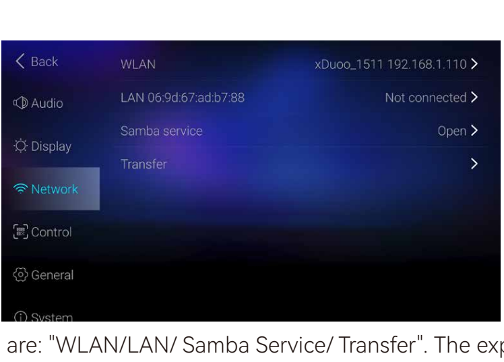


Click to enter the system settings, which includes: "Audio / Display / Network / Control / General / System". The explanations for each are as follows:

(1)Audio: there are " Lock Volume/Maximum Volume Limit /Upsampling / Mute Time / Channel Test / Play Folders Consecutively / Resume Playback". The explanations are as follows:
- **Lock Volume:**
"Unlock Volume" is allows adjusting the digital volume value of DP-10; "Locked" is seted the digital volume of DP-10 to the maximum and locks it.
- **Maximum Volume Limit:**
After setting, the maximum adjustable volume is the set value.
- **Upsampling:**
Only effective for local playback, DLNA, AirPlay, and CD playback. It automatically increases the sampling rate by multiples to 176.4kHz/192kHz.
- **Mute Time:**
When switching between songs with different sampling rates, noise may occur. This issue can be resolved by adjusting the mute time.
- **Channel Test:**
Click the test file to test whether the product has channel abnormalities.
- **Play Folders Consecutively:**
When enabled, after all tracks in one folder have finished playing, the songs in the next folder will start playing automatically.
- **Resume Playback:**
when enabled, the player is power on, it will play from the start/position of the track that was playing before the last shutdown.
(Note: The resume play function only supports local playlists.)

(2)Display: there are "Backlight Time / Screen Brightness / HDMI Resolution / Playback Interface Jump / Screen Orientation / Control App Mode / Controlled APP direction ". The explanations for each are as follows:
- **Backlight Time:**
If there is no touch operation within the set time, the display screen will turn off automatically.
- **Screen Brightness:**
adjust the brightness of the display screen.
- **HDMI Resolution:**
set to Auto or select an appropriate resolution according to the external HDMI display.
- **Playback Interface Jump to:**
Can be set to display Large Font View, VU Meter, or No.
- **Screen Orientation:**
horizontal or vertical.
- **Control App Mode:**
Smooth Mode or Compatible Mode (for old systems's phone).
- **Controlled APP direction:**
horizontal or vertical.

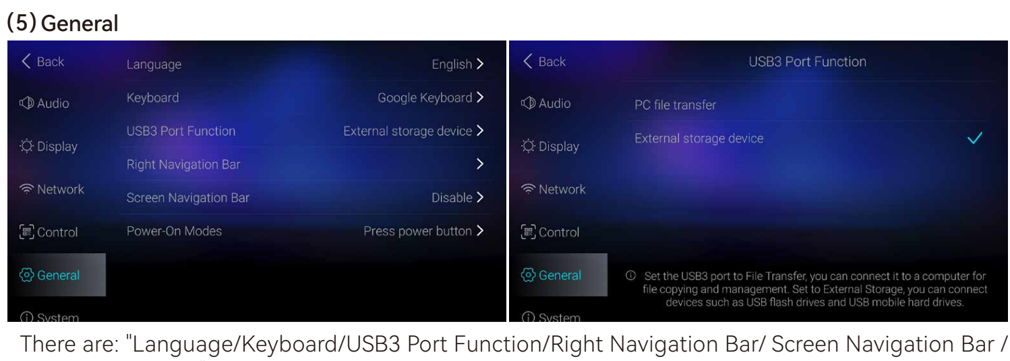
(3)Network



Clicking to enter, there are: "WLAN/LAN/ Samba Service/ Transfer". The explanations are as follows:
- **WLAN:**
Once enabled, it will automatically search for nearby WiFi networks and you can connect it to a wireless network.
- **LAN:**
Connect a network cable to access a wired network. It supports setting to automatically obtain an IP address or manually entering a IP address.
(Note: When both WiFi and wired network are connected, the wired network will be used preferentially.)
- **Samba Service:**
Once enabled, mobile phones and computers can access the DP-10's storage content via the network SMB protocol to play, transfer and manage music files.
(Note: Mobile phones and PCs must be in the same local area network as the DP-10.)
- **Transfer Songs:**
In the same local area network, You can use a mobile phone or computer to copy songs to and from the DP-10. On the computer, you can enter the DP-10' s IP address through a browser to enter the download and upload interface; on the mobile phone, you can scan the QR code to enter the download and upload interface.
(Note: The storage path for songs can be modified in the "My Files" directory.)

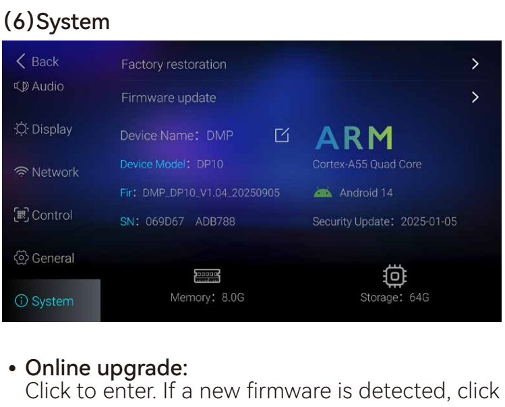
(4)Control:
Use your mobile phone to scan the QR code to download the remote control app (named Play Remote). After successful installation, connect by scanning the QR code in the app or entering the IP address of DP-10. Once connected, you can use "Play Remote" to remotely control DP-10. (Note: The control app currently supports Android and iOS systems.)

(5)General



There are: "Language/Keyboard/USB3 Port Function/Right Navigation Bar/ Screen Navigation Bar / Power-On Modes ". The explanations are as follows:
- **Language:**
setting languages including Chinese, English, German, French, Japanese, Korean, Russian and Vietnamese.
- **Keyboard:**
Currently, only have Google Keyboard.
- **USB3 Port Function:**
Set the function of the USB3 port. When set to "PC File Transfer", it can be connected to the computer's USB port for file copying and management.
(Note: When set to PC File Transfer, the USB3 port cannot output USB audio.)
- **Right Navigation Bar:**
Customize the functions of the touch navigation keys on the right glass panel.
- **Screen Navigation Bar:**
When enabled, a navigation bar will appear at the bottom of the display screen.
- **Power-On Modes:**
set to power on by pressing the power button or automatically power on after connect DC in.

(6)System



There are: " Factory Restoration /Firmware Update" and display product information. The explanations are as follows:
- **Factory Restoration:**
After entering and clicking "Restore Factory ", all settings and applications will be restored to their factory defaults.
- **Firmware Update:**
Online update and local update are supported. Details are as follows:

- **Online upgrade:**
Click to enter. If a new firmware is detected, click the firmware name to automatically upgrade.
- **Online special versions:**
Enter the upgrade code provided by the official to upgrade to the special version.
- **Other online versions:**
Such as beta versions, users can choose to upgrade to test them first.
- **Local upgrade:**
Download the firmware to a USB flash drive and insert into the DP-10's USB port, then click to enter and proceed with the upgrade.

- **Note:**
It is strictly forbidden to power off the DP-10 during the upgrade process; otherwise, the firmware will be damaged and will fail to start.
- **Product Information:**
In addition to viewing product information, you can also:
1) Click the【✎】edit icon to change the DP-10's name;
2) Long-press the memory information to clear the used cache.

Parameters

Parameters			
CPU	2.0GHZ 4x ARM Cortex-A55(64bit) +1.9GHZ ARMA76 core		
RAM/ROM	8G RAM +64G ROM	OS	Android14
Screen	5.5-inch 1080×1920 pixels, touch screen	Power In	12V/5A
LAN	Gigabit Ethernet port	WLAN	2.4G/5.8G WiFi6
Dimensions	18.2x10.7x4.3cm	Weight	0.75kg
SSD Specifications	M.2 interface, NVMe protocol, size are 2260, 2280 or 22110.	MicroSD	Maximum support 2TB
Music Format	MP3, WMA, WAV, AIF, AIFF, ALAC, AAC, FLAC, OGG, APE, ALAC, M4A, CUE, DSD (DSF/DFF/ISO), DXD, etc		

Digital Audio Output	
USB DAC OUT	Ports：USB1、USB2、USB3、USB4
	PCM Sampling Rate：16-32bit/44.1k-768kHz
	DSD Sampling Rate：1bit/2.82M-22.57MHz（Native)
Coaxial Output	Sampling Rate：192kHz/24bit；DSD64（D2P/DOP)
Optical Output	Sampling Rate：192kHz/24bit；DSD64（D2P/DOP)
AES Output	Sampling Rate：192kHz/24bit；DSD64（D2P/DOP)
HDMI Output	Sampling Rate：192kHz/24bit；DSD64（D2P/DOP)
II2 Output	Sampling Rate：192kHz/24bit；DSD64（D2P/DOP)
Bluetooth In/Out	IN：SBC/AAC/aptx/aptx-HD/aptx-Adaptive/LDAC
	OUT：SBC/aptx/aptx-HD/aptx-Adaptive

Accessories

1、User Manual	×1pc
2、Warranty card	×1pc
3、Power Cord	×1pc
4、Power Adapter	×1pc
5、WiFi Antenna	×2pc
6、Type-C to C Cable	×1pc
7、CM2X3 Screw	×2pc
8、M2X2.5+2.5 Copper Standoff	×2pc
9、Display screen protective film	×2pc

Warranty Information

Our products can enjoy 12-month free warranty services from the date of the sale, if the warranty period is expired, our company will charge parts cost depend on the product fault conditions. Accessories are not covered under warranty.

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