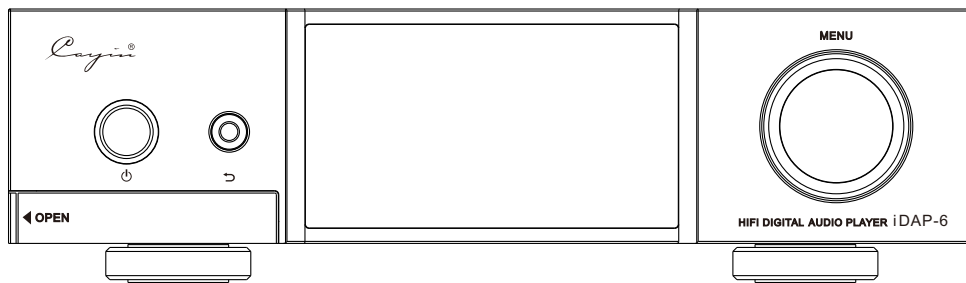


*Cayin*®



## i DAP-6 | HIFI DIGITAL AUDIO PLAYER

User Manual

We want to thank you sincerely for choosing iDAP-6 High Fidelity Digital Audio Player. We have prepared this user manual to help you understand the features and get familiar with the operation of the DAC. We suggest all customers read through this manual before they start to use the device.

### **Attention**

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- ◆ Please make sure the serial number on the package, chassis and warranty card are intact and identical. In case of damage, missing or tempered on warranty card or serial number, Cayin reserves the right to refuse warranty service for the machine.
- ◆ All rights reserved. Reproduction, translation or adoption of iDAP-6 documentations and/or system firmware is prohibited without written approval from Cayin.
- ◆ The user manual is a documentation of the product based on the specification at the time of print. Cayin reserves the right to change product specification without prior notice.

### **Package Content**

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Please examine the product package before you open it, the package should be free from any physical damage or water stain. You should find the following items when you open the package:

1. iDAP - 6 High Fidelity Digital Audio Player (1 unit)
2. Quick User Guide (1 copy)
3. Replacement Fuss (2 units)
4. Warranty Card (1 copy)
5. Power Cord (1 piece)
6. WiFi/Bluetooth Antenna (1 piece)

Attention: the product package should include only the items in the list.

Please fill in the warranty card and mail to your local agent or Cayin's Sales Department, we shall provide comprehensive after sales service in the future. We recommend you to keep the package and protection material, this will be most convenient if you need to re-package the product in the future.

## Design Features

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- ◆ Desktop network player that can supports all common digital file formats: DSF, DFF, SACD-ISO, FLAC, ALAC, AIFF, WAV, APE, WMA, MP3, AAC, OGG
- ◆ PCM supports upto 32Bit/384kHz, DSD supports upto DSD256 with I2S, upto DoP128 with USB and DoP64 on other digital interface
- ◆ Comprehensive digital output options: USB, I2S, AES/EBU, Coaxial, Optical.
- ◆ Can plug in SD card (upto 256GB) and USB storage (upto 2TB) directly
- ◆ Three USB ports in total, all of them can be hot plugged for USB Audio or USB storage
- ◆ Multi-lingua custom designed UI through 3.95" AMOLED screen, display Album Art, music information and control menu in a clear and effective presentation.
- ◆ Support file sharing through Ethernet or WiFi connection, can communicate with large variety of networked devices through Samba, DLNA and Airplay
- ◆ Transmit or receive through dual Bluetooth v4.1, support Bluetooth remote control profile.
- ◆ Adopts aluminum alloy shell and panel, sandblasting treatment, simple fashion, and effectively shielding outer interference.
- ◆ The high performance linear power supply system based on in-house designed premium grade toroidal transformer with low magnetic leakage and high power efficiency.
- ◆ Solid chassis with aluminum alloy and sand blast finishing, can eliminate exterior interference effectively.
- ◆ Fashionable design, compact and minimal, can easily blend into SOHO or household environment.

## Front Panel Functional Descr

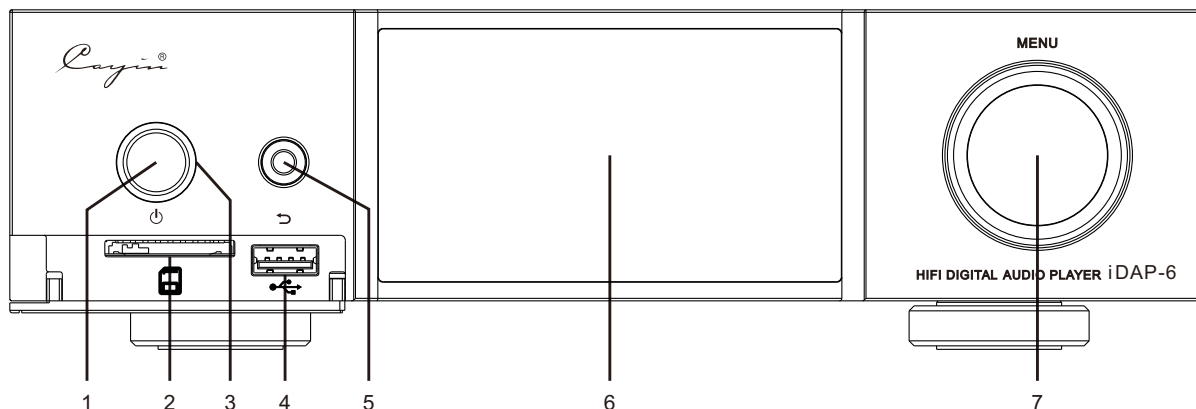


Diagram 1: iDAP-6 Front Panel illustration

### 1. Standby On/Off

- ◆ Turn on or put the player into standby: hold the button to turn on the player (at standby status) or enter standby mode (at regular operation status)
- ◆ When the screen is on, click the button once to turn off the screen, and click again to turn the screen back on.
- ◆ Note: The Main power supply of the player is located at the back panel, you need to turn on the power switch before you can start up the player.

### 2. SD Card Slot

### 3. Power Indicator

- ◆ Indicator flashing: in the process of initialization.
- ◆ Indicator always on: player is ready for regular operation.

### 4. USB Port

Support USB flash drive, card reader and mobile HDD.

### 5. Return

Click to return to previous menu; hold 2 second to return to main menu.

### 6. OLED display

Display control and playback information of the player

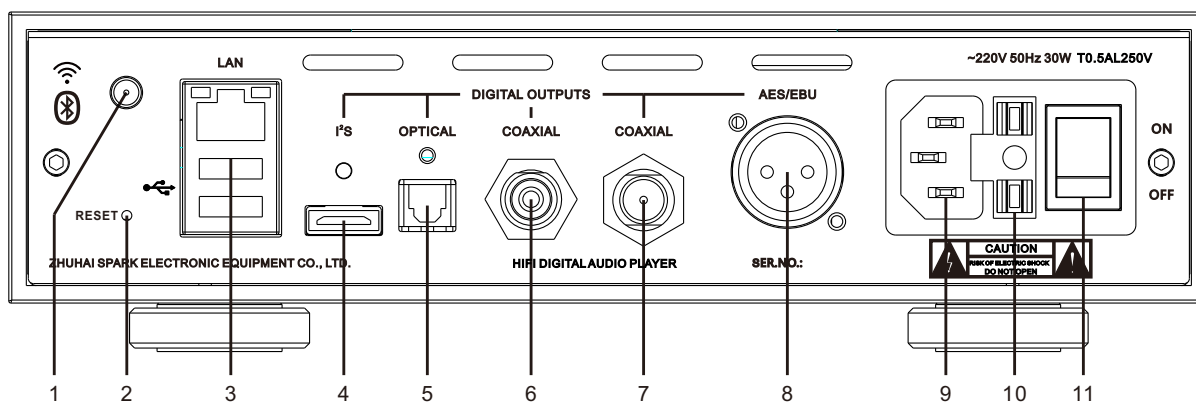
### 7. MENU/Enter button

Turn clockwise to select next (right or down) menu items, ant-clockwise to select previous (left and upper) menu item. Push the button once to confirm your menu selection or enter next menu.

At the playlist screen, rotate to select a song and push the button once to start playback.

At the Playback screen you can rotate the knob to highlight a control icon (previous, play/pause, next, playlist, my favorite etc) at the bottom of the screen and then push the button once to activate the action. Hold the button for 2 second will always go back to the Home Screen.

## Rear Panel Functional Description



### 1. Wi-Fi/ Bluetooth Antenna Socket

Please install the Wi-Fi/ Bluetooth antenna into the socket before using the player.

### 2. Reset

If the system behaves abnormally, you can use a non-metallic pin (e.g.toothpick) to trigger the reset button inside the reset hole (hold on about 3-5 seconds), the system will reboot and resume.

### 3. LAN and USB port

LAN port connects the player to local area network;When plug in thumb drive, card reader or USB HDD, they will be recognized as OTG storage devices. Alternatively, you can connect USB DAC to these ports and enable the USB Audio output function of iDAP-6.

### 4. I<sup>2</sup>S Output (HDMI port)

The output terminal is built for forthcoming Cayin DAC with I<sup>2</sup>S input. We cannot guarantee it will compatible with I<sup>2</sup>S input of other DAC.

#### 5. Optical Output

This output is suitable for DAC with optical input.

#### 6. Coaxial Output (RCA)

This output is suitable for DAC with coaxial input.

#### 7. Coaxial Output (BNC)

This output is suitable for DAC with coaxial input.

#### 8. AES/EBU Output (XLR)

This output is suitable for DAC with AES/EBU input.

#### ◆ Note:

To ensure system will perform satisfactory, we recommend you to use proper digital audio cable that meets required specification when connect iDAP-6 to digital audio equipment.

#### ◆ Important Note:

- a. Please select "I<sup>2</sup>S" from "Output Selection" of "Music Setting" before you use the I<sup>2</sup>S (HDMI) output of IDAP-6
- b. Please select "S/P" from "Output Selection" of "Music Setting" before you use the optical, coaxial (RCA and BNC) and AES/EBU output of IDAP-6.
- c. USB and S/PDIF output are mutually exclusive, connecting USB Audio device to iDAP-6 will disable S/PDIF and I<sup>2</sup>S output automatically.

#### 9. Power input connector

Connect to AC Power supply.

Please make sure the AC voltage of your local power supply match the voltage information printed on the back panel before you power up the player.

#### 10. FUSE.

If in case you need to change the fuse, please use replacement fuse with same specification as the original. (The player is equipped with 2 spare fuse).

#### 11. Main Power Supply

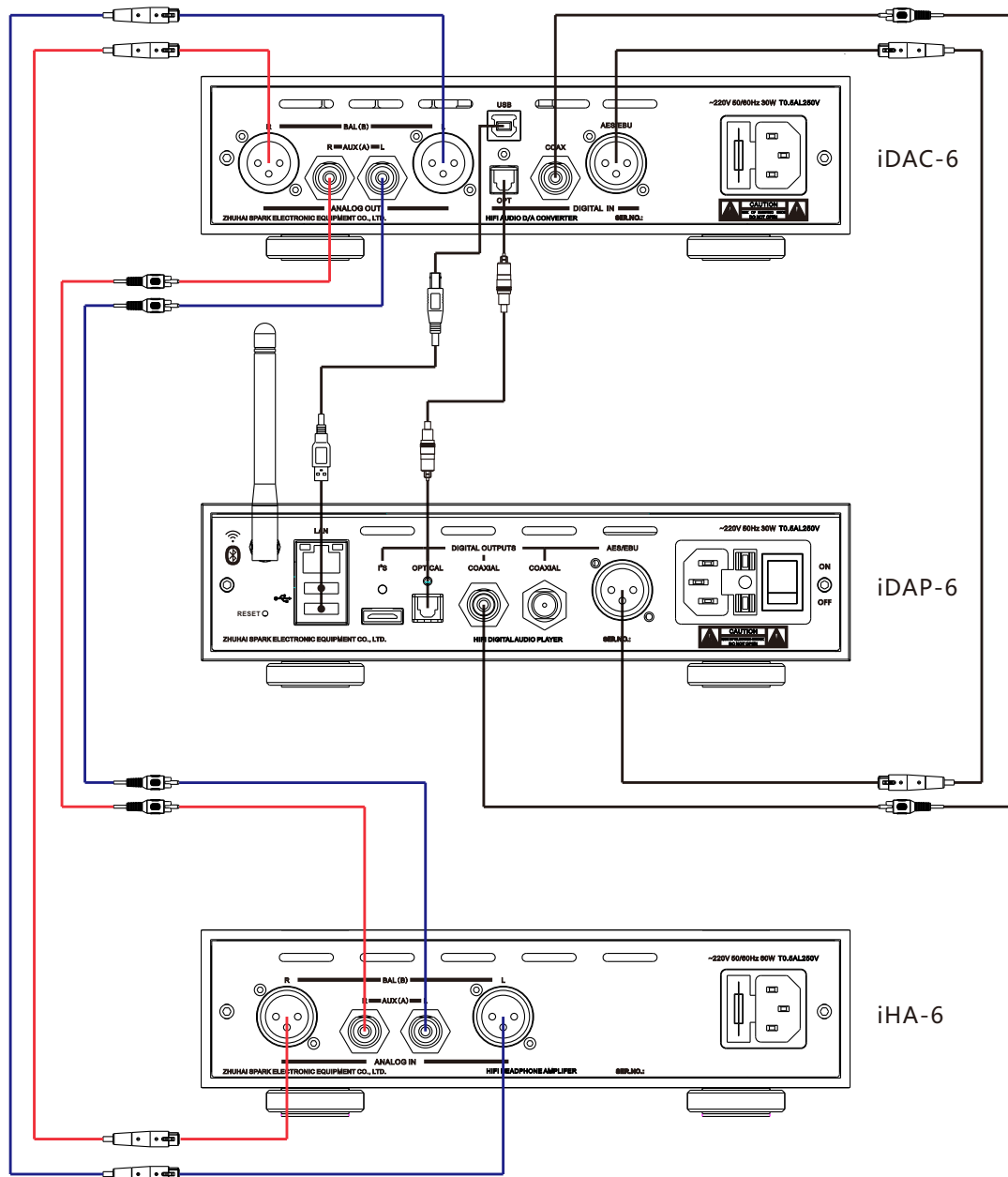
Switch the main power supply to "On" position will turn on the Player.

#### ◆ Tips:

If you are not going to use the player for a while, we recommend you to turn off the main power supply.

◆ Note:

Please make sure the AC voltage of your local power supply match the voltage information printed on the back panel before you power up the player. Incorrect input voltage setting will cause damage to the machine or might even lead to serious household accident, Cayin reserves the right to refuse service or responsibility on related instances.



## Preparation

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### 1. Connect Power source

Please make sure the AC voltage of your local power supply match the voltage information printed on the back panel before you plug in a power cord and connect to a AC power outlet.

### 2. System Connection

The system connection diagram illustrates how iDAP-6 connects with iDAC-6. You can select the required connection according to your actual need.

#### (1) Connecting Digital Audio Cable

- ◆ If you want to use RCA output of the player, you need to connect 75Ω coaxial digital cable to coaxial RCA or BNC input of DAC.
- ◆ If you want to use BNC output of the player, you need to connect 75Ω coaxial digital cable to coaxial RCA or BNC input of DAC.
- ◆ If you want to use AES/EBU output of the player, you need to connect 110Ω coaxial digital cable to AES/EBU input of DAC.
- ◆ If you want to use Optical output of the player, you need to connect optical digital cable to Optical/Toslink input of DAC.
- ◆ If you want to use I<sup>2</sup>S (HDMI) output of the player, you need to connect short (1 meter or less) high quality HDMI cable to I<sup>2</sup>S input of DAC.

#### (2) Connecting Ethernet Network

- ◆ When connected to an Ethernet Network, iDAP-6 can playback music files shared within a LAN or receive pushed music from DLNA or Airplay.
- ◆ Please connect Ethernet cable from RJ-45 port in rear panel to one of the LAN connection port of your router. The music files stored on the NAS or other networked device should also be connected to other LAN port of this router.

#### (3) Connecting Wireless Network

- ◆ When connected to an WiFi Network, iDAP-6 can playback music files shared within a LAN or receive pushed music from DLNA or Airplay.
- ◆ Turn on the WiFi feature at Network Setting menu, activate the Searching WiFi on the menu and selected the best WiFi signal from your Router.



## Basic Operation

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Please make sure the AC voltage of your local power supply match the voltage information printed on the back panel and make sure all equipment are connected correctly.

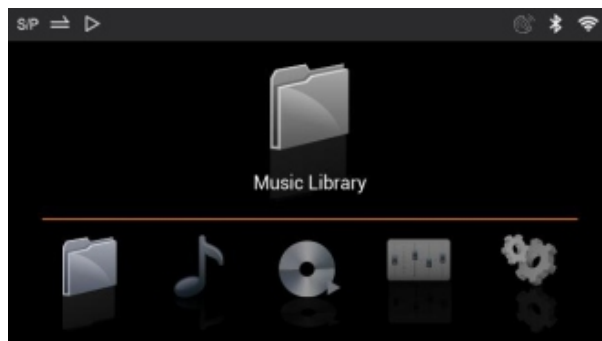
### 1. Startup Operation

- ◆ Turn on the power switch on rear panel, the player will power up and enter standby mode.
- ◆ Hold on the front panel power button, and its indicator light will turn on, and the screen will display startup logo as below:



### 2. Main Menu

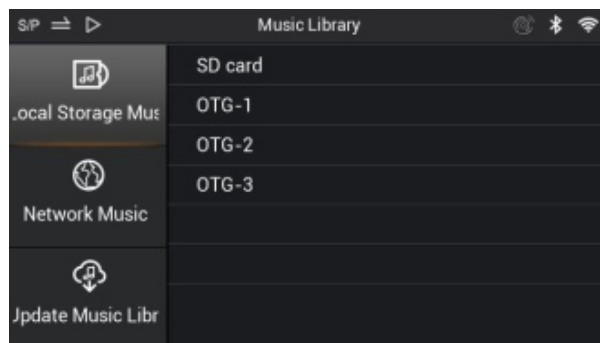
The Player enters main menu after startup and display five functional icons.



Rotate MENU button to select the desired icon and push MENU button once to enter, the player will display the options available in each menu.

Music Library	Local Storage Music, Network Music, Update Music Library
Music Category	Songs, Favorite, Recent, Album, Genre, Artist, Playlist
Playing now	Songs, Favorite, Recent, Album, Genre, Artist, Playlist
Music Setting	Playback Mode, Output selection, DSD Output Mode, Resume from Breakpoint, Gapless, Lyrics, Album Art
System setting	System Setting, Network Settings, System Update, About Player

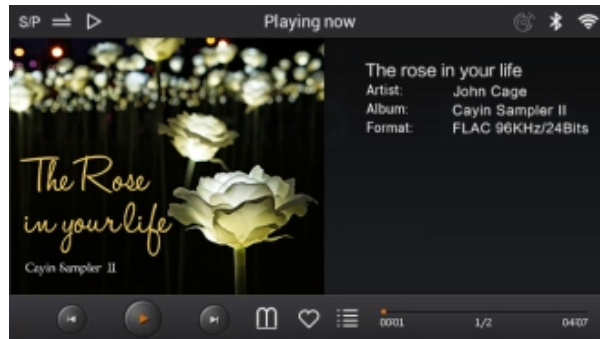
(1) Music Library



Local Storage Music	Select Local Storage devices: SD card, USB storage (USB Flash Drive, card reader or HDD, connected as OTG devices)
Network Music	Browse or play the folders or music files shared in the LAN
Update Music Library	Scan music files from SD card and USB storage, and synchronize metadata to facilitate Music Category functions.

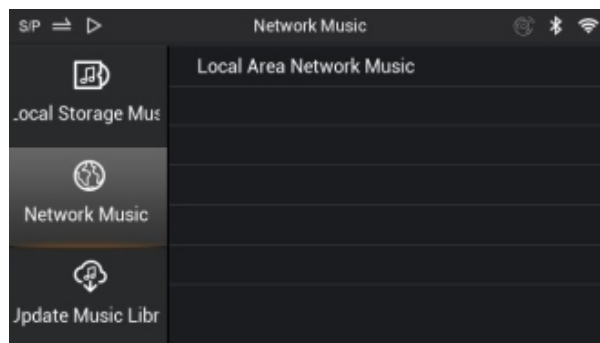
### Local Storage Music

- ◆ Local music is the music stored in SD card or USB storages that attached to iDAP-6 directly.
- ◆ Highlight the Local Storage icon on the left pane, push the MENU button once to enter the storage device list, browse through the folders and select your desired music file, push MENU button once to play the file, the screen will jump to “Playing Now” interface.



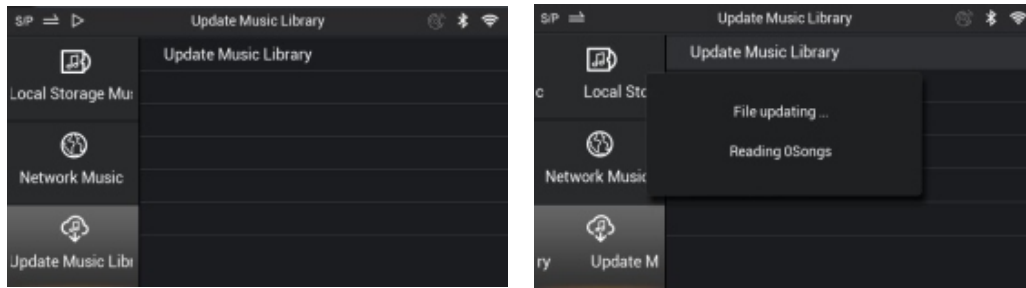
### Network Music

- ◆ Network Music is the music file stored on the NAS or from shared folders of computers in the LAN.
- ◆ Highlight the Network Music icon on the left pane, push the MENU button once to enter Network Music submenu. Select Local Area Network Music option below and push MENU button to start searching for NAS and shared folders in the network.



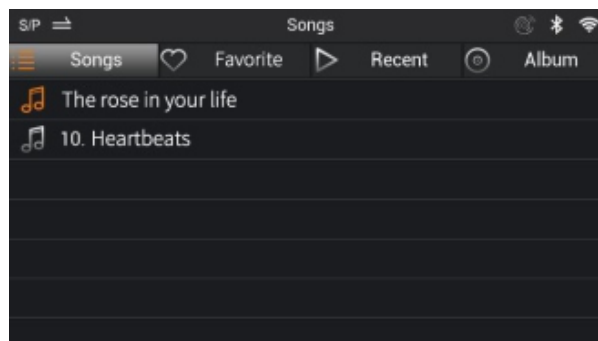
### Update Music Library

- ◆ Highlight the update music library icon on the left pane, push MENU button once to enter the Music Update submenu, and push the MENU button again to start the update process as below.



## (2) Music Category

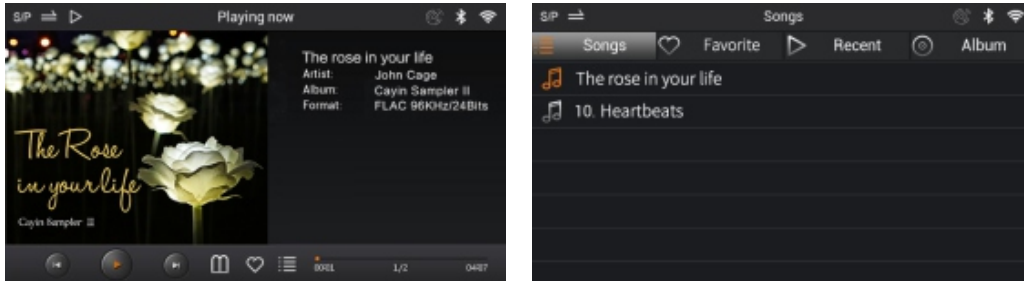
The system scans and records metadata of music files during updating music library. The Music Category function will create multiple list according to "Songs", "Album", "Genre" and "Artist". In addition, Music Category will also provide features such as "Favorite", "Recent" and "Playlist", allowing users to browse and select songs to playback according to various classifications.



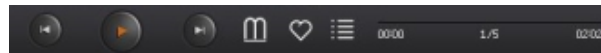
Songs	Display all songs in storage device
Favorite	Display the song list that is marked as "Favorite"
Recent	Display recently played music files
Album	Display album list, rotate MENU button to select an album, push MENU button once to view song list.
Genre	Display genre list, rotate MENU button to select a genre, push MENU button once to view song list.
Artist	Display genre list, rotate MENU button to select a artist, push MENU button once to view song list.
Playlist	Display the songs that is added into Playing Now list

### (3) Playing Now

If iDAP-6 is playing or paused, the screen will display Playing Now interface. If it is not playing, the music category interface is displayed.



There are several control icons at the bottom of Playing Now interface, you can select any one of these icons by turning the MENU button (notice the red highlight), and you can push the MENU button once to confirm your action. Push the MENU button and hold for 2 second will always stop the playback and go back to Main Menu.



1. The control icons, from left to right, are Previous. Play/Pause. Next, Shortcut, My Favorite, Playlist and Progress Bar.
2. When you select and click the shortcut menu icon, you'll be given the following choice: Playback Mode, Add Playlist and Delete current file.
3. When you highlighted the Progress Bar, you can push the MENU button once to select it, and then turn the MENU button clockwise to Fast Forward, and anti-clockwise to Rewind.
4. If you select the Playback mode in Shortcut menu, you can select your desired mode by pushing the MENU button, the system will rotate among four playback mode as below:



Repeat All



Repeat Once



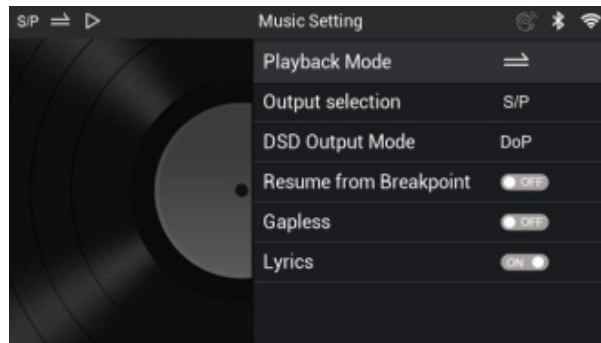
Play in Order



Shuffle

### (4) Music Setting

You can set up playback parameters or turn on/off functions related to music playback in Music Setting interface.



Playback Mode	Four playback modes: Play in Order, Shuffle, Repeat Once, Repeat All
Output selection	Select between S/PDIF or I <sup>2</sup> S output
DSD Output Mode	Select between DoP or D2P output
Resume from Breakpoint	When turn on, the player will resume playback from the previous stop or power off location
Gapless	When turn on, player will skip all the gaps between media files and play all files seamlessly
Lyrics	When turn on, player will display lyric alongside music playback (required associated lyric file for the music file)
Album Art	When turn on, the player will display album art on the Playing Now menu (required associated graphic file for the music file).

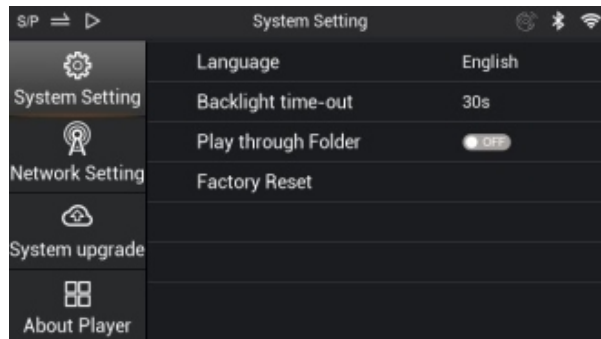
The album art file can be jpeg, png or bmp format (in this order or priority) with resolution not more than 2000x2000.

The iDAP-6 will recognize album art through the following priority:

1. Embed album cover to the metadata of the music file
2. Rename the album art to same filename of the music file and store both music file and album art into the same folder
3. Rename the album art as front.xxx, cover.xxx or folder.xxx (in this order of priority and case insensitive) and put it into the same folder with music files that will use this as their album art.

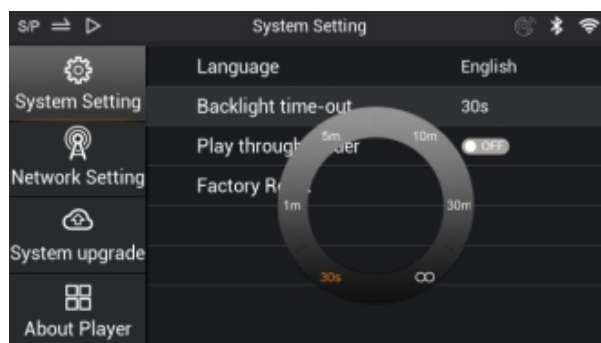
## (5) System Setting

You can set up system parameters and wireless/networking functions in System Setting interface.



System Setting	Language, Backlight time-out, Play through Folder, Factory Reset
Network Setting	BT Setup, WiFi Setup, DLNA, Airplay
System upgrade	Update iDAP-6 firmware
About Player	Provide information of the player such as the capacity of SD card, firmware version etc

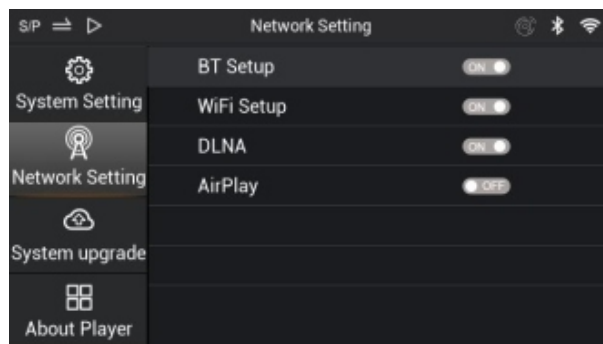
### System Setting Submenu



Language	Set the player UI to one of the three languages: Simplify Chinese, Traditional Chinese, English
Backlight time-out	You can set the backlight duration by choosing one of the following time-out setting: 30s/1m/5m/10m/30m/always on
Folder operation	When turn on, the player will jump to next folder after playback the last song of current folder. When turn off, the player will playback all music within the folder according to the playback mode setting
Reset	Reset the Player to factory default settings

\*You can complete the above operations by turning the MENU button to highlight System Setting on the Left pane, push the MENU button once to confirm you selection and enter submenu, rotate the MENU button again to highlight the desired option. For example if you want to change the backlight setting, highlight and push Menu button to enter backlight time out option, you can then select the desired backlight duration from the popup interface.

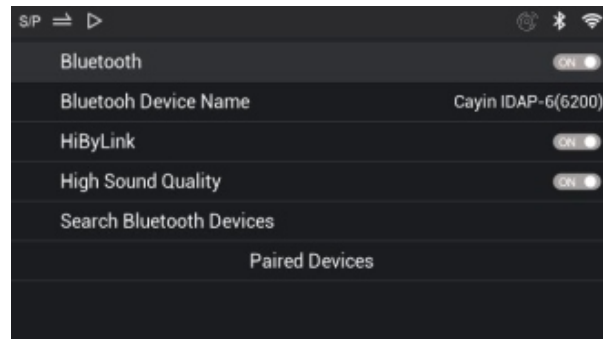
### Network Setting Submenu



BT Setting	On/Off, Search, Pair, Hiby-Link, Sound Quality
WiFi Setting	On/Off, Search, Connect, Password (virtual keyboard)
DLNA	On/Off
Airplay	On/Off




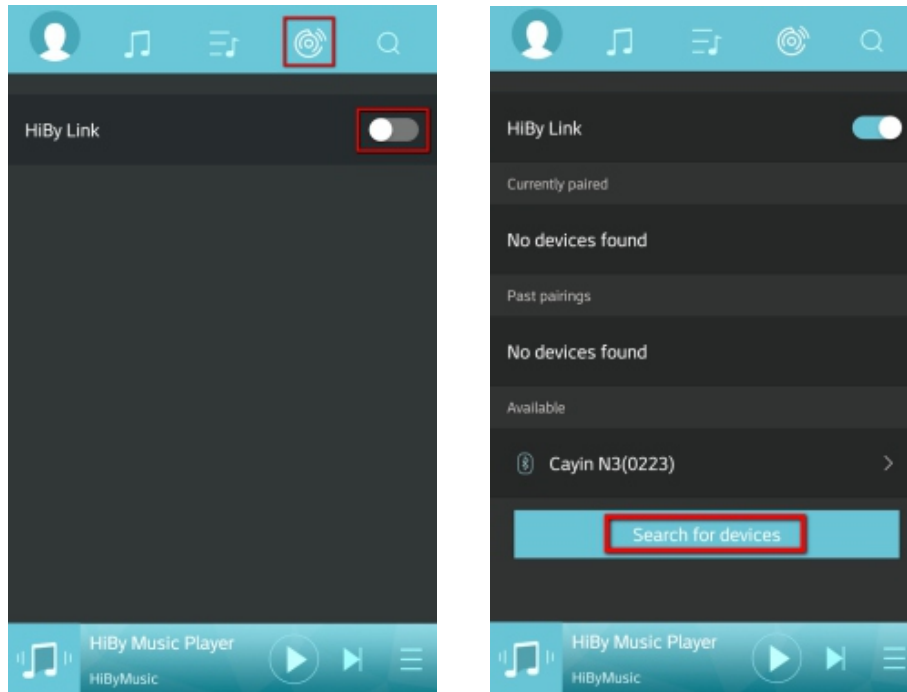
1. Wired network: Please connect Ethernet cable to RJ-45 port in rear panel. The player will obtain IP address and connect to network automatically. A network icon will be displayed in the top right corner after connection.



2. BT Setting: At Bluetooth submenu, turn on the Bluetooth and the system will scan for available Bluetooth devices. Scroll to the Available Device list at the bottom of the screen and use MENU button to select the device that you want to pair with push MENU button once to confirm connection. If you have connected to this device previously, you can select the device from “Paired Device” and the player will setup the connection directly.

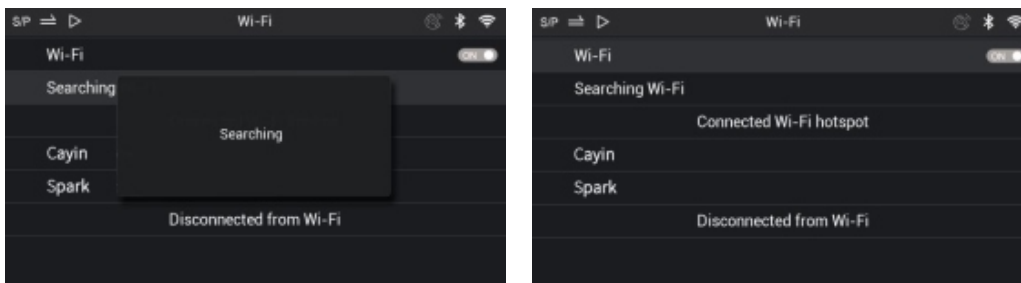
HiByLink: Turn on the HiByLink feature on the Bluetooth submenu. Install the HiByMusic App (v3.0 or after) to your Android phone or mobile device. At the top right corner of the HiBy Menu bar, select the HiByLink icon.

 and the App will search for HiByLink compatible device immediately, you can now select Cayin iDAP-6 (according to the Bluetooth Device name) and complete the connection. Once the file sharing is setup, you can browse the Local Music content and remote control the iDAC-6 through your Android device.



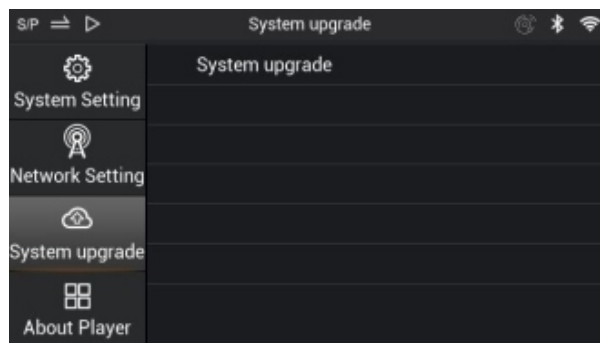
### 3. WiFi Setting

At WiFi Submenu, set the WiFi option to On, system will activate and search for available WiFi hotspots. You can select the desired hotspot at the end of the searching and push the MENU button once to confirm the connection.



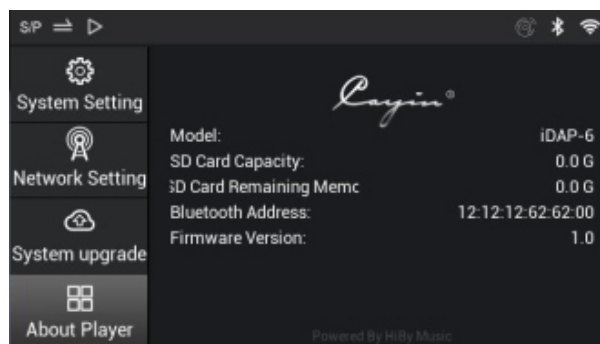
#### ◆ Important Note:

When connect to WiFi or Bluetooth, iDAP-6 will display a virtual keyboard as below if a password is required. Turn the MENU button to locate the charter and push the Menu button once to enter one character at a time.



### **System upgrade**

Cayin will release firmware update to enhance and optimize IDAP-6 as deemed required, please follow the instruction of our official firmware release at [www.cayin.cn](http://www.cayin.cn) to complete the firmware update process.



### **About player**

You can check the model number, SD card capacity and remaining storage amount, Bluetooth Mac address and firmware version in this interface.

## **Safety Precautions**

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1. Please make sure the voltage information printed on the back panel match the AC voltage of your local power supply before you power up the player.
2. Unplug the power cord if you are not going to use the DAC for an extended period of time, and keep the machine in proper condition
3. Please handle with care, avoid tempering to the machine
4. The iDAP-6 will not functional appropriately if moistures has developed inside the player, please avoid operate the machine until internal moistures has cleared. Moistures can be caused by placing the player at a location when heater or steamer has just turned on. Moving the player from a cold environment to a warm location. Moving the machine from a chilled (e.g., air conditioned room) to a hot and humidity environment.
5. Do not attempt to service this product yourself. Opening the cover may expose you to electric shock or other hazards.
6. The Player must be keep away from water dripping or water splitting, do not place any objects filled with liquids such as vases or some others on the top or around.
7. Do not attempt to disassembly the machine, all service and maintenance must be conducted by authorized service technician.
8. Please disconnect power cable before you attempt to clean the machine. Please use soft clean cloth to wipe clean the chassis, do not use volatile solution or corrosive cleaning product.
9. Place the Player at a flat surface, make sure all four supporting tips are evenly loaded.
10. Do not place any flammable material on the Player
11. Do not operate the Player under direct sunlight or high temperature, will cause serious deviation or even damage to the electronic components.
12. The machine will become hot during operation, Please keep the Player at a well-ventilated environment and do not cover the PGayer with anything.
13. Please Contact your Cayin agent or retail shop, or our after-sales service if the machine is not working properly.
14. In case you Cayin product requires warranty or repair services, please contact your local Cayin dealer or distributor, or email us at [service@cayin.cn](mailto:service@cayin.cn). This product is fit for operation at altitude 2000m or below and none tropical climate. Please reserve ample space behind the back panel so that cables and power cords can be plug in or unplug .

## Trouble shooting

To ensure the Player will function at premium condition, please follow the basic operation and safety precaution as advice. Improper operation might lead to malfunction, if you run into trouble as stated below, please check before you panic. Sometime the problem are related to associated equipment or cables, please also check and make sure everything is in proper condition. Please contact your Cayin agent or retail shop, or our after-sales service if the problem cannot be rectified.

Problem		Cause	Remedy
No sound from headphones after power on	Power Indicator is Off	Power is not connected	Check electric circuit and power cable; Check whether the rear panel total power button is on.
		Main fuse is out	Replace fuse with same specification with the original.
	Power Indicator is on	In non-playing mode	enable the device to play music
		Audio cable has not connected properly and The back-end device is not working	Reconnect audio cable Check the back-end device

## Specification

Physical Specification	
Dimension	240X268X69mm(WxDxH)
Net Weight	about3.29kg
Power Requirement	
Input Voltage	220VAC 50Hz
Power Rating	30W

Wireless and Network Specification	
Bluetooth	Bluetooth 2.1+Enhanced Data Rate (EDR)+ BT4.1
Wireless LAN	IEEE 802.11a/b/g/n
LAN	Complies with IEEE 802.3 / IEEE 802.3u 10Base-TX/ 100Base-TX, ANSI X3T12 TP-PMD 1995 standards
Music Format (Local Storage)	
File format	DSF/DFF/SACD-ISO/FLAC/AIFF/ WAV/APE/ALAC/WMA/MP3/AAC/OGG
Signal Output	
USB Audio	Connector: USB Type A
	PCM Output: 44.1kHz to 384kHz
	DSD Output: DSD64/ 128 (2.8MHz/5.6MHz DoP);88.2kHz(D2P)
I <sup>2</sup> S	Connector HDMI Type A (The device transmits I <sup>2</sup> S signal with HDMI connector, it is not compatible with standard HDMI device)
	PCM Output: 44. 1kHz to 384kHz
	DSD Output: DSD64/128/256 (2.8MHz/5.6MHz/11. 2MHz)
COAXIAL 1	Connector: RCA
	PCM Output: 44.1KHz to 192kHz
	DSD Output: DoP64(2.8MHz)
COAXIAL 2	Connector: BNC
	PCM Output: 44.1KHz to 192kHz
	DSD Output: DoP64(2.8MHz)
AES/EBU	Connector: XLR Male
	PCM Output: 44.1KHz to 192KHz
	DSD Output: DoP64(2.8MHz)
OPTICAL	Connector: TOSLINK
	PCM Output: 44.1KHz to 176.4kHz
	DSD Output: DoP64(2.8MHz)
note: DoP:DSD over PCM;D2P:DSD to PCM	

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Zhuhai Spark Electronic Equipment Co.,LTD

[www.cayin.cn](http://www.cayin.cn)

Tel: 0086-0756-3828711

Fax: 0086-0756-3828722

E-mail: [market@cayin.cn](mailto:market@cayin.cn)

ZipCode: 519045

Address: 9 Lianfa Road, Liangang Industrial Park, Shuanglin Zone,  
Zhuhai, Guangdong, China

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V1.0 20171109(01)