

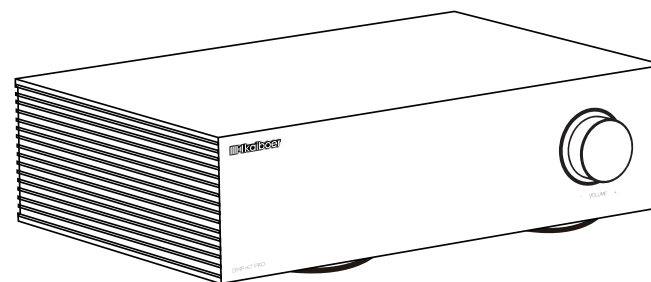


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Made in China

 kaiboer®
High-End Audio & Video
Established In 2007

DMP-K7 PRO PRODUCT MANUAL

**Integrated high-resolution
music streamer and DAC**



www.kaiboer.com

**We appreciate your purchase of Kaiboer DMP-K7 PRO an
Integrated high-resolution music streamer & DAC**

You can reach us through the following channels for prompt
Unified service hotline: +86-755-8301-4160
Social-media service contacts:



Installation Guide & Driver Download

To enhance user experience, the company reserves the right to optimize, adjust, or add new features. In cases where hardware specifications or technical parameters may vary across production batches, the actual delivered version shall prevail. The manufacturer retains the authority to improve, modify, or remove features based on technological advancements or user needs. Users are encouraged to obtain the latest product information through official channels.

Start Exploring...

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Safety & Usage Precautions

- To avoid the risks of fire, electric shock or product damage, do not expose this unit to rain, moisture or dripping liquids, and do not place water-filled objects (such as vases) on top of the unit.
- Maintain adequate ventilation. Do not install the unit in a bookcase, built-in cabinet or any other enclosed space. Keep curtains or other objects away from the ventilation openings to prevent fire or electric-shock hazards caused by overheating.
- Never place naked flames (e.g. lighted candles) on the unit.
- Do not open the cabinet; risk of electric shock. Only qualified service personnel may remove the cover.

Placement

- Place the player on a flat, level surface away from direct sunlight, high temperature, high humidity and strong vibration. Otherwise the cabinet and internal parts may be damaged and the service life shortened.
- To prevent distortion or abnormal sound, do not place heavy objects on the unit. Leave at least 15 cm clearance from surrounding walls.

Power

- Do not use voltages higher than specified; this may overload the unit and cause fire. Connect the AC power cord correctly and make sure it is undamaged. Do not pull, bend or place heavy objects on the power cord.
- Do not overload the wall outlet, extension cord or power strip; these may cause electric shock or fire.
- Do not trap the AC cord between the player and a wall, shelf, etc.
- To prevent lightning damage, unplug the unit if it will not be used for a long period.

Moisture Protection

- Avoid damp locations such as wet basements; moisture and condensation will damage the unit.

Service

- Never attempt to repair the unit yourself. If it is serviced, disassembled or re-assembled by unqualified persons, electric shock or permanent damage may result. If any of the following (or any fault not described in this manual) occurs, unplug the power cord immediately and contact your local dealer or service centre (Unified service hotline: +86-755-8301-4160)
 - A、Abnormal picture or sound
 - B、Damaged power cord or plug
 - C、Liquid spilled or foreign objects inside the unit
 - D、Exposure to rain or water
 - E、Dropping or any other physical damage
 - F、Noticeably abnormal operation (usually indicates service is required)
- When replacement parts are required, be sure the technician uses those specified by the manufacturer or parts with the same characteristics. Unauthorized substitutes may cause fire, electric shock or other hazards. After servicing, request a safety check to ensure the unit is operating correctly.

About This Manual

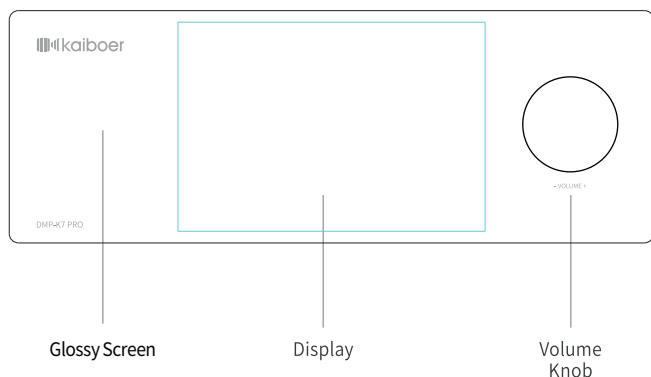
- Read these instructions carefully, keep this manual in a safe place, and follow all operating procedures.
- The on-screen illustrations shown in this manual may differ slightly from the actual display due to software version differences.

01 Product Description

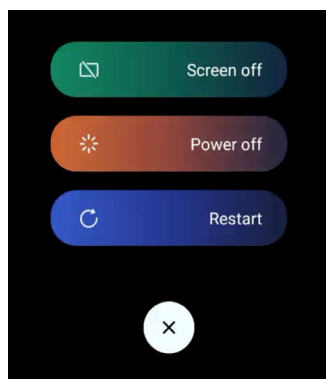
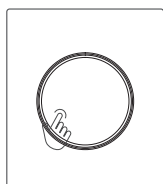
Interface Description

Kaiboer DMP-K7 PRO is equipped with rich audio/video input/output interfaces and data transmission interfaces. Please refer to the following details:

Front Panel



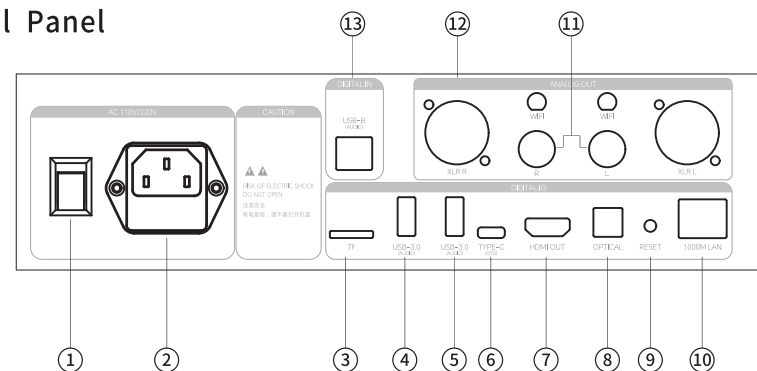
Power on/off



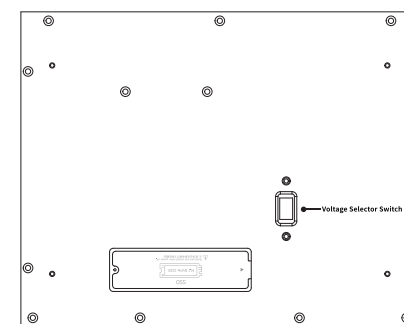
Cautions:

- *After selecting Standby, short-press the knob to wake up the unit and wait for startup.
- *During operation, short-press the volume knob to mute; short-press again to unmute.

Real Panel



- 1 Power on/off
Power On / Off the Player
- 2 AC IN
Connect the AC Power Cord
- 3 TF card slot
Expand Storage via TF Card
- 4 USB3.0 AUDIO
Connect External USB Storage & DAC
- 5 USB3.0 AUDIO
Connect External USB Storage & DAC
- 6 USB-C
Connect External USB Storage & DAC
- 7 HDMI Output
Connect External HDMI Audio-Video Devices
- 8 Optical Audio Output
Support up to Stereo DOP64, PCM192KHz 24bit
- 9 RESET
For forced factory reset (hold for more than 10 seconds) and firmware upgrade
- 10 Ethernet
Gigabit Ethernet network socket
- 11 RCA-L & RCA-R
RCA Analog L/R Output
- 12 XLR-L & XLR-R
XLR Analog L/R Output
- 13 USB-B Input
USB Audio Input – connect phones, computers, etc. support up to DSD512 ,PCM 768 kHz 32-bit

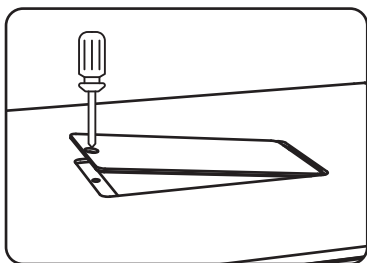


WARNING:

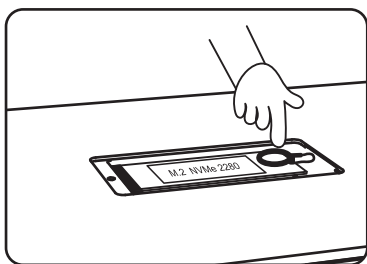
*The voltage selector switch (110V/220V) at the bottom of the unit must match the local grid voltage to avoid damage.

SSD Installation Steps

1、Place the unit upside down on a flat surface. Use a screwdriver to remove the screws fixing the rear hard disk cover and take off the cover.



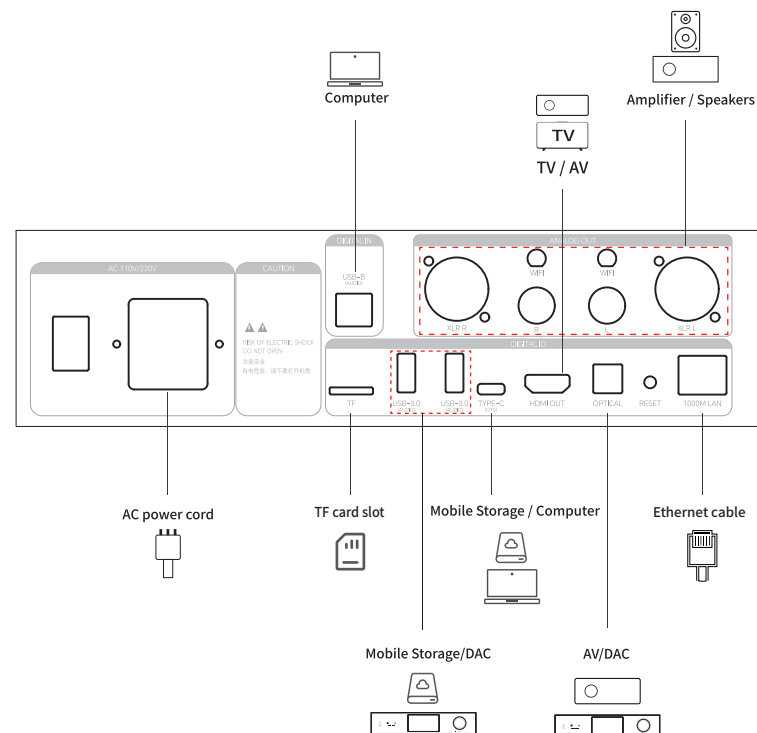
2、Open the SSD fixing clip, insert the prepared hard disk into the interface, press the clip to secure the SSD, and reinstall the hard disk cover.



Cautions:

- *Install/replace the hard disk only when the unit is powered off. Format new hard disks before installation.
- *Do not block the heat dissipation holes.
- *Keep away from liquids to prevent internal damage.
- *Do not open the chassis except for authorized maintenance personnel.

Rear Panel Wiring Diagram



The diagram shows a partial device connection example; more devices can actually be connected.

Cautions:

- *Always connect/disconnect devices with the power OFF.

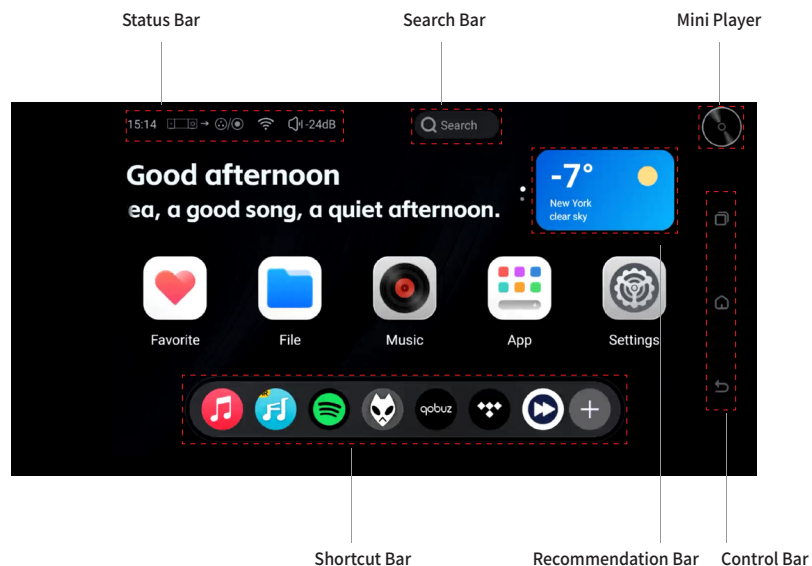
Specifications

PRODUCT NAME	Integrated high-resolution music streamer and DAC
MODEL	DMP-K7 PRO
COLOR	Black
CHASSIS MATERIAL	Aviation-grade full aluminum chassis with Apple-like sandblasting process
DISPLAY SCREEN	- Technology: FHD multi-touch screen - Size: 6-inch - Resolution: 1080x2160 (FHD) - Display Mode: Landscape
OPERATING SYSTEM	PUREOS based on Android 14
UI LANGUAGES	Supports multiple languages
CHIP SOLUTION	DDR4: 8GB + eMMC: 64GB
MEMORY	CPU: RK3568 Quad-core ARM Cortex-A55, up to 2.0GHz
TF CARD SUPPORT	Yes
AUDIO PROCESSOR	XMOS XU316 3rd-generation 16-core
OP-AMP CHIPS	Kaiboer self-developed Kmuse x6 + OPA1612 x2
POWER SUPPLY	High-quality anti-interference pin-encapsulated toroidal transformer + switching power supply (independent power supply for data and decoding)
HARD DISK INTERFACE	M.2 (NVMe PCIe 3.0), max support 8TB SSD
USB INTERFACES	- USB 3.0 x2: Supports external storage and audio transmission - USB-C: Supports audio transmission, OTG file transfer with computers, and external storage
WIRED NETWORK	RJ-45 (1000M/100M/10Mbps)
WIRELESS NETWORK	Supports dual-band Wi-Fi 6 (2.4GHz/5GHz)
MUSIC PLAYBACK & DAC DECODING	DSD (DSD64-DSD512, DSF/DFF/ISO-DSD/SACD ISO), APE (44.1K-768kHz, 16Bit-32Bit), DXD/WAV/FLAC/AFF/ALAC/MP3/ MP2/AIF/AIFF (8K-768kHz, 16Bit-32Bit) - MQA Support: 8K-768kHz (16Bit-32Bit) - CUE File Support: Automatic track splitting, track selection, fast forward/rewind
STREAMING SERVICES	Supports third-party apps (e.g., Apple Music, TIDAL, QQ Music, NetEase Cloud Music, Amazon Music). Global SRC bypass, original bitrate output, and exclusive USB output supported.
NETWORK PROTOCOLS	Supports DLNA, AirPlay, Qplay, Roon Ready, Tidal Connect, UPnP
FILE MANAGEMENT	- Automatic music file scanning and categorization (albums, artists, genres, etc.) - Supports custom categories, playlists, and favorites
PLAYBACK DISPLAY	- Embedded/external/folder cover art display - Built-in/external lyric display - Sample rate and bit depth display
SYSTEM SETTINGS	Audio output settings, language, additional settings, about
UI INTERFACE	One-key access to playback interface and input/output settings
USB-B AUDIO INPUT	- Compatibility: Windows 7-11, MAC, Android, iOS, HarmonyOS - Support: DSD512 native, PCM 768KHz/32bit
HDMI VIDEO OUTPUT	- Resolution: Up to 4K60Hz - External display touch control (USB cable required) - HDMI Audio: Up to 24bit/192KHz
USB-AUDIO OUTPUT	USB DAC OUT: Up to PCM 32Bit/768kHz, DSD512 (supports D2P, DOP, Native modes)
USB-C AUDIO OUTPUT	USB DAC OUT: Up to PCM 32Bit/768kHz, DSD512 (supports D2P, DOP, Native modes)

HDMI AUDIO OUTPUT	Up to PCM 24Bit/192kHz, DSD (supports D2P, DOP modes)
OPTICAL AUDIO OUTPUT	Up to PCM 24Bit/192kHz, DSD (supports D2P, DOP modes)
XLR OUTPUT SPECIFICATIONS	- Output Level: 4.5Vrms (BW: 20Hz~20kHz) - THD+N: <0.00006% @1kHz (-125dB @1kHz) - Noise: <1.400μVrms - SNR: 135dB @1kHz - Frequency Response: 20-20kHz (±0.07dB) - Crosstalk: -125dB - DNR: 135dB @1kHz
RCA OUTPUT SPECIFICATIONS	- Output Level: 2.5Vrms (BW: 20Hz~20kHz) - THD+N: <0.0001% @1kHz (-118dB @1kHz) - Noise: <1.2μVrms - SNR: 132dB @1kHz - Frequency Response: 20-20kHz (±0.06dB) - Crosstalk: -122dB - DNR: 132dB @1kHz
CONTROL METHODS	- Screen touch control - Mobile/tablet app control (Android/iOS) - Computer app control (Windows, full functionality)
POWER INPUT	AC 110-120V~/AC 220-240V~, 50/60Hz
RATED POWER CONSUMPTION	20W
PRODUCT DIMENSIONS	280*220*77.7mm

02 | Basic product functions

Main Interface Introduction



Status Bar: Displays time, input/output connections, network status, and volume. Tap input/output or network icons to access settings quickly.

Search Bar: Tap to search for local music by track name, artist, or album.

Mini Player: Displays current playback information; tap to enter full-screen music player.

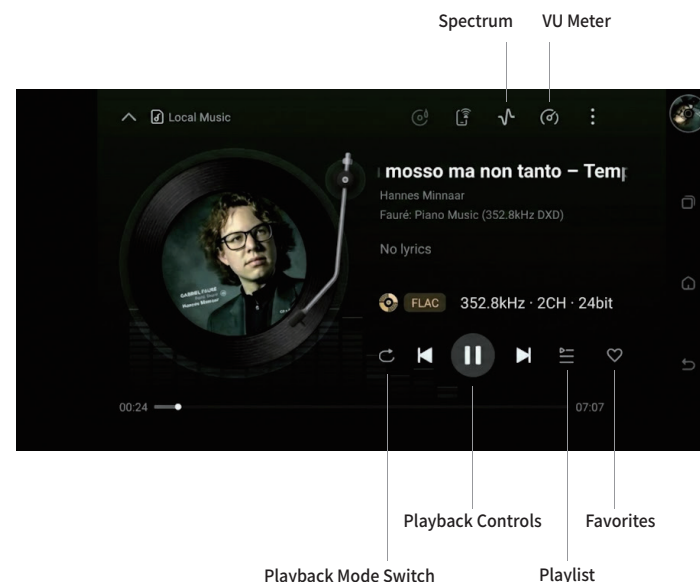
Recommendation Bar: Rotates weather information and random recommended tracks; tap to play directly.

Shortcut Bar: Supports up to 7 installed apps.

Control Bar: “□” Multitasking switch, “○” Return to home, “◀” Back. Swipe right to hide, left to show.

Music Player

DMP-K7 PRO has a built-in high-definition digital music player that supports playback of high-resolution lossless music from internal SSD, external hard disks, LAN NAS, and streaming services. Access the player via:File Management, Music Library, Mini Player, Swiping down from the top of the main interface.



Button Functions:

Play Mode Switch: Cycle through list repeat, single repeat, shuffle, and sequential play.

Playback Control: Previous/next track, pause/play.

Playlist: Remove single tracks or clear all.

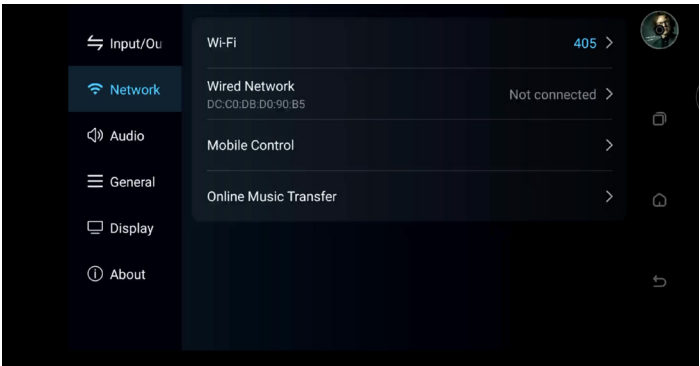
Favorite: Add tracks to "My Collection".

Spectrum: Hide track information and display spectrum effects.

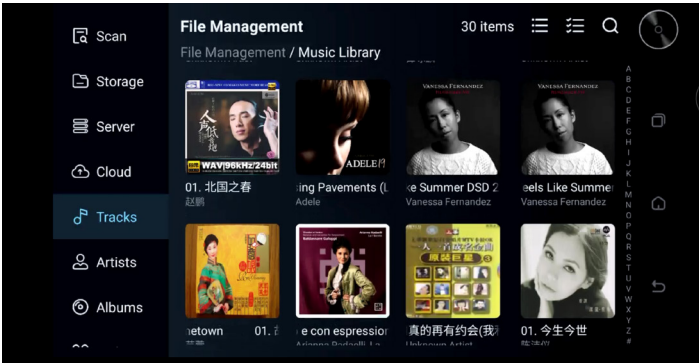
VU Meter: Hide all track information and display VU meter.

Network Connection

Ensure network connection before use. The unit supports wired and wireless networks:Wi-Fi: Go to Settings > Network > Wi-Fi



After scanning, all tracks are categorized into the music library by artist, album, and genre. Supports adding to favorites, playlists, viewing details, or deletion.



File Management

The file manager is used for music scanning, storage management, NAS/SMB connection, cloud disk management, and music library organization.

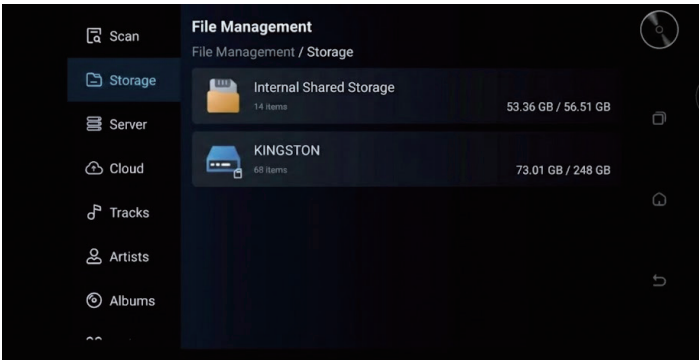
1. File Scanning

Open File Manager > Scan > “ ” to scan local storage, NAS, or SMB paths.



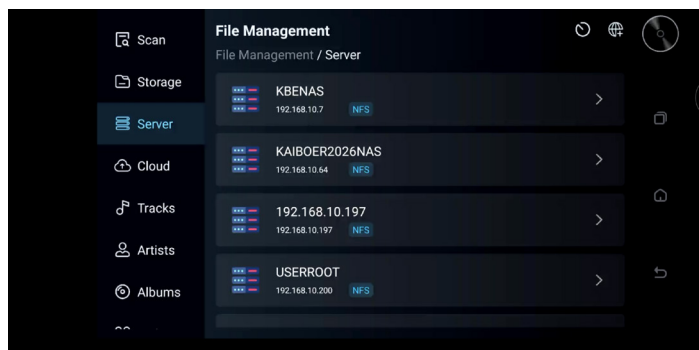
2.Storage Management

Open File Manager > Storage to manage files in local storage, SSD, and external devices. Supports copy, paste, delete, and edit. Long-press files for management.



3. Server Usage

Open File Manager > Server to access NFS/SMB services in the LAN. Supports playback, copy, and delete operations.

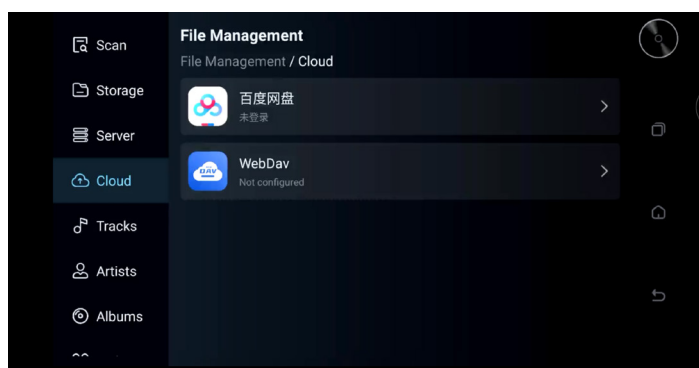


Cautions:

*Ensure the target device has enabled read/write permissions for NFS/SMB services.

4. Cloud Disk Management

Open the desktop File Manager > Cloud Drive to log in to the built-in Baidu Cloud Disk or WebDAV cloud drives for playback and other operations.



Cautions:

*When using cloud drive playback, you need an active membership and a stable network connection to avoid affecting the playback experience.

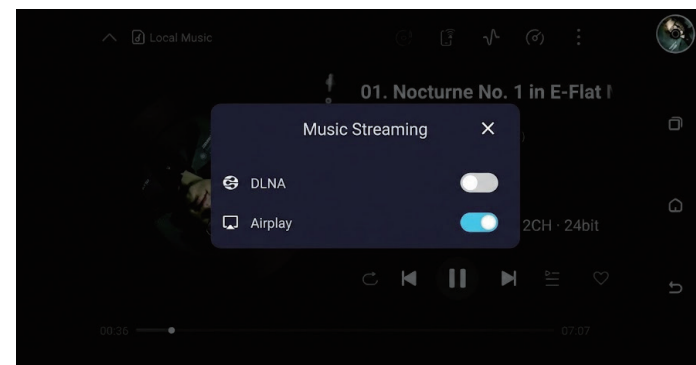
Music Streaming

DMP-K7 PRO supports DLNA and AirPlay streaming. Cast music from mobile devices/tablets to the unit (same LAN required):

Open the music player on the unit and tap "📶" to open the streaming window.

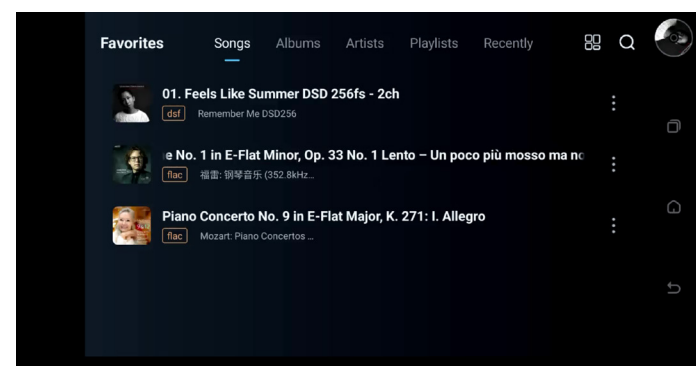
For Android devices: Enable DLNA, open the music app, and select "DMP-K7 PRO" in casting options.

For Apple devices: Enable AirPlay and connect directly to "DMP-K7 PRO".



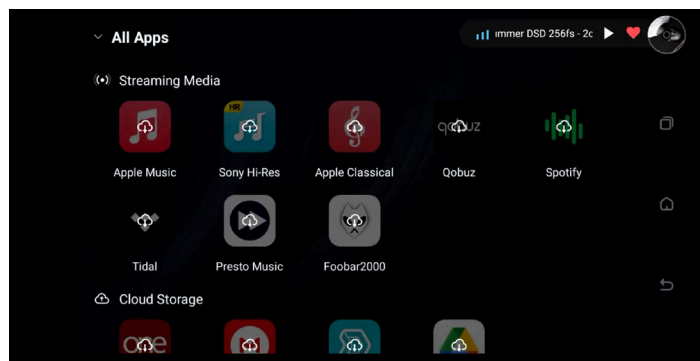
My Collection

Stores favorite tracks/albums/artists, custom playlists, and recent playback history. Supports unliking and viewing details.



All Apps

View or uninstall installed third-party apps. Install music apps by copying APK files to external storage, then opening via File Manager.

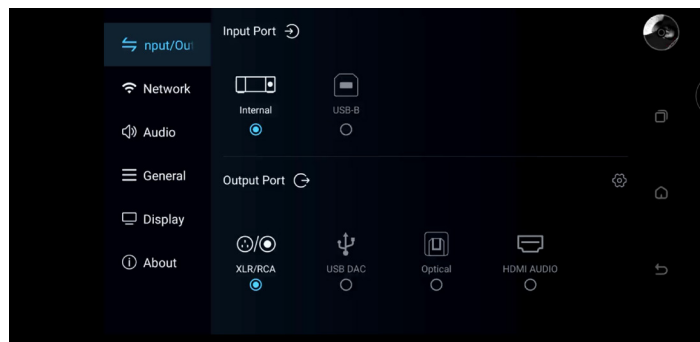


Cautions:

*Pre-installed network music services depend on platform certification progress. Refer to the actual firmware version. More services will be added via future updates.

Input/Output Selection & Connection

Select the corresponding input/output based on connected devices. For local playback, audio can be output via XLR/RCA, USB DAC, Optical, or HDMI.

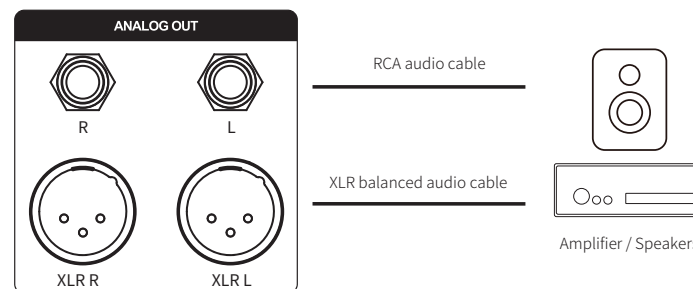


1. XLR/RCA Output Mode

Connect the unit's XLR/RCA ports to the amplifier/active speakers' XLR/RCA input ports using balanced XLR cables or high-quality RCA cables.

Set XLR/RCA as the output in the unit's input/output settings. Select the corresponding input source on the amplifier.

Supports local music and installed music apps.



Cautions:

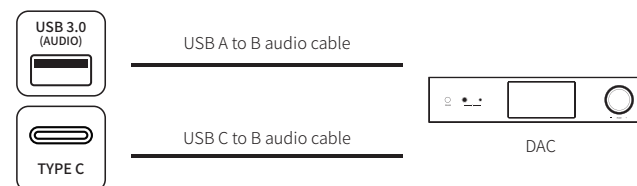
*Decoded by DAC hardware; max support DSD512, PCM 32Bit/768KHz.

2. USB DAC Output Mode

Connect the unit's "USB AUDIO" or "TYPE-C" port to the external DAC's USB input port using a USB audio cable.

Set USB as the output in the unit's input/output settings.

Supports local music and installed music apps.



Cautions:

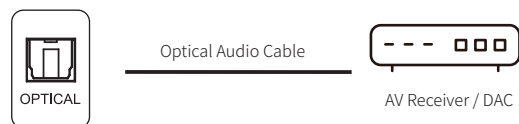
*Max support DSD512 Native, PCM 768KHz/32Bit.

3. Optical Output Mode

Connect the unit's Optical port to the decoder/AV amplifier's input port using a square-ended optical cable.

Set Optical as the output in the unit's input/output settings.

Supports local music and installed music apps.



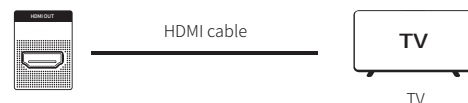
Cautions:

*Max support PCM 24bit/192Hz, DSD (D2P, DOP64 modes).

4. HDMI Output (TV Connection)

Connect the unit's HDMI output port to the TV's HDMI input port using an HDMI 2.0+ cable. TV displays the unit's screen in max 4K60Hz resolution.

Set HDMI as the output in the unit's input/output settings to route audio through the TV; otherwise, audio follows other selected output modes.



Cautions:

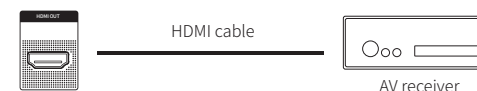
*4K60Hz output requires a TV and cable that support HDMI 2.0+.

*Max audio output: 192KHz/24Bit.

5. HDMI Output (AV Amplifier Connection)

Connect the unit's HDMI output port to the AV amplifier's HDMI input port using an HDMI 2.0+ cable.

Set HDMI as the output in the unit's input/output settings. Select the corresponding input source on the amplifier.



Cautions:

*Max audio output: 192KHz/24Bit.

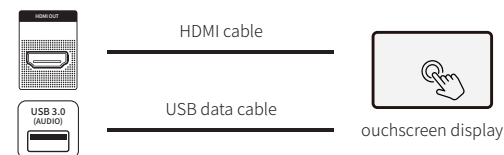
*Multi-channel audio is not supported currently; stay tuned for future firmware updates.

6. HDMI Output (Touch Screen Connection)

Connect the unit's HDMI output port to the touch screen's HDMI input port using an HDMI 2.0+ cable.

Connect the screen's USB port to the unit's USB port using a USB cable for touch control.

Set HDMI as the output in the unit's input/output settings to route audio through the screen; otherwise, audio follows other selected output modes.



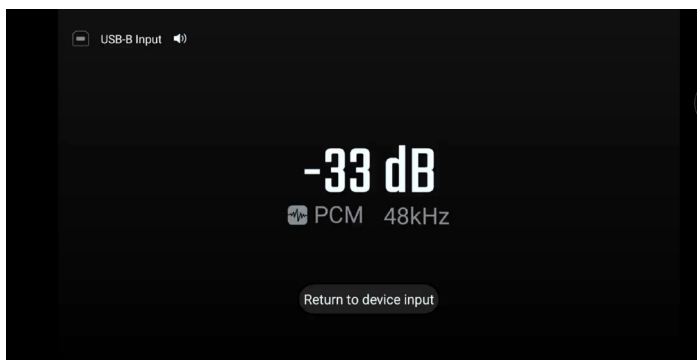
Cautions:

*4K60Hz output requires a touch screen and cable that support HDMI 2.0+.

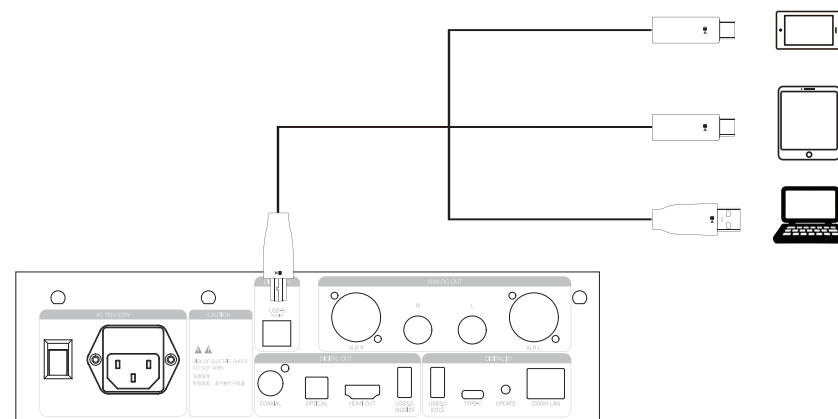
*Max audio output: 192KHz/24Bit.

7. USB Input Mode

Output via XLR/RCA. Connection steps:



1. Use a high-quality shielded decoding cable to connect the unit's USB-B port to a computer/phone (USB-A/USB-C end).
2. Connect the unit's XLR/RCA ports to the amplifier/active speakers' XLR/RCA input ports.
3. Set USB as input and XLR/RCA as output in the unit's input/output settings. Select the corresponding input source on the amplifier (no action needed for active speakers).
4. For Windows computers: Install drivers and playback software (per tutorial) to support max DSD512, PCM 768KHz/32bit.
5. For phones: Connect via TYPE-C port for direct playback and decoding.



Cautions:

*Windows: Download drivers from Kaiboer's official website (video tutorials and drivers available via QR code). Windows XP is not supported; use Windows 7+.

*MAC: Drivers install automatically. Set USB as the audio output device.

*Android Phones:

Huawei: Set USB output to MIDI; reconnect and increase volume if no sound.

OPPO/VIVO: Enable OTG in Settings > Additional Settings.

*DSD playback on phones requires a supported app with USB exclusive mode (compatibility depends on the app, not the unit).



Mobile Control App

DMP-K7 PRO supports control via the "Kaiboer Home" app:

Android: Scan the QR code below to download and install.iOS: Search for "Kaiboer Home" in the App Store.Alternative: Download from the official website.

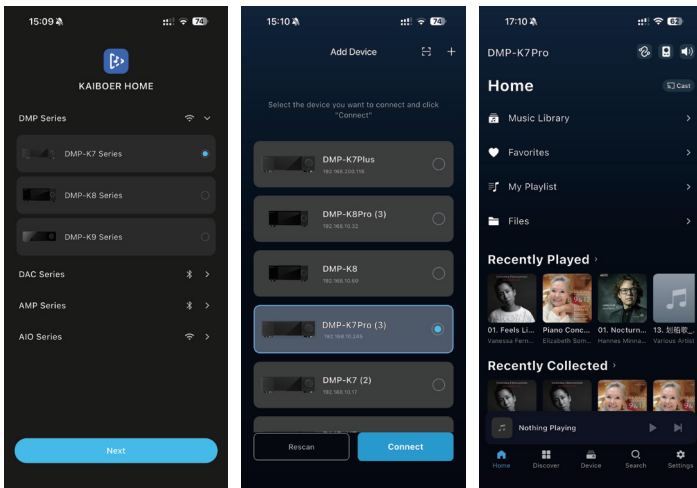


Android Control App

Mobile Control App

Ensure the unit and phone are on the same LAN.

Open the app, select "DMP-K7 PRO", and follow the prompts to add the device.Access the control interface after successful connection.

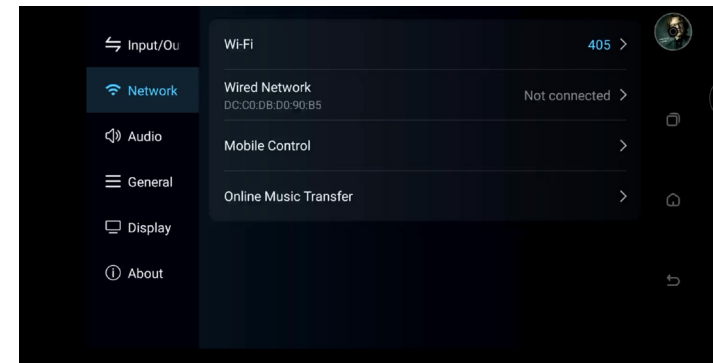


03 Product System Settings

Network Settings

Go to Settings > Network.

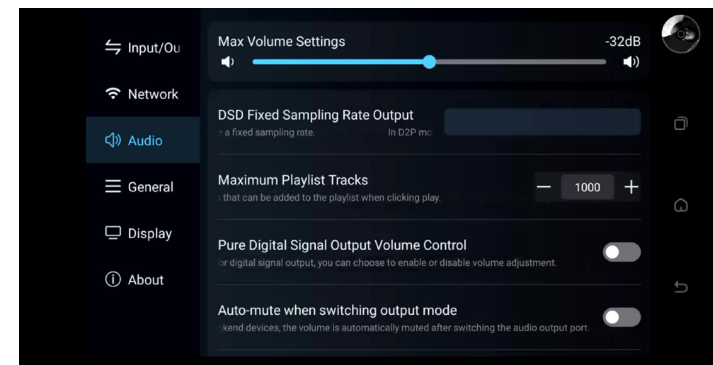
Select wired or wireless network.Wi-Fi supports 2.4GHz and 5.8GHz; wired network supports Gigabit Ethernet.



Audio Settings

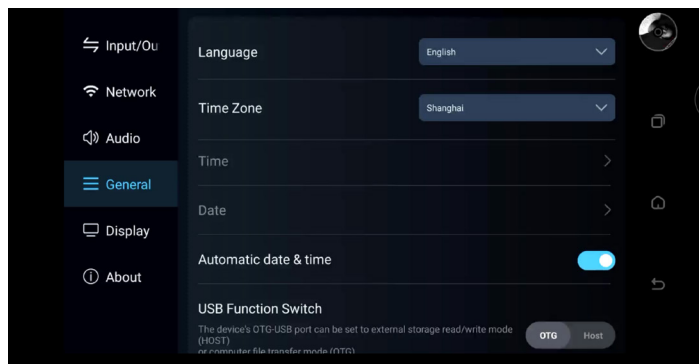
Go to Settings > Audio.

Adjust audio control modes and supported audio formats for connected Hi-Fi devices.



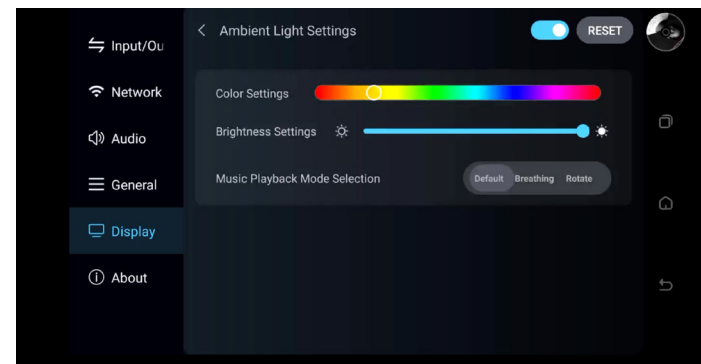
General Settings

Language Settings locally: Go to Settings > General > Language. Select the interface language.



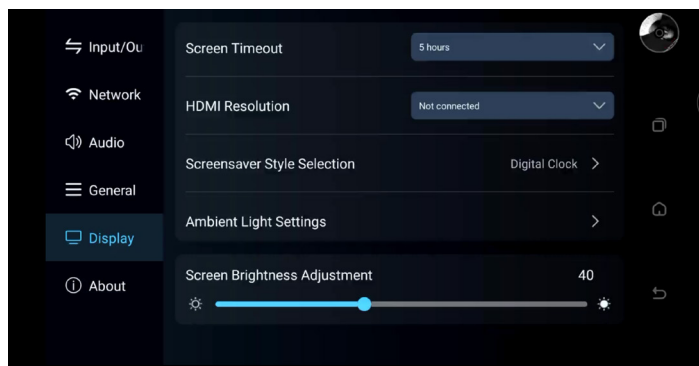
Ambient Light Settings

Go to Settings > Display > Ambient Light Settings.
Customize knob ambient light color, brightness, and mode.



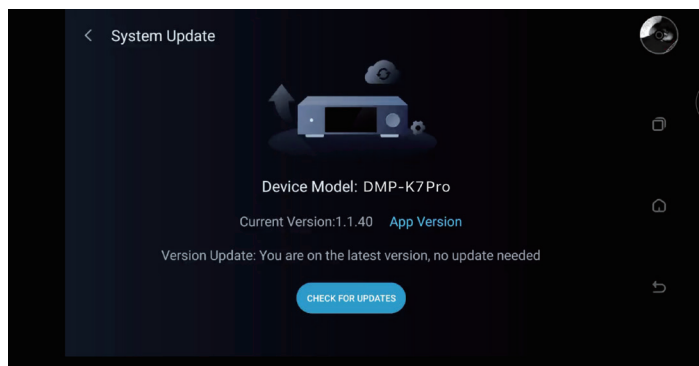
Display Settings

Go to Settings > Display.
Adjust screen brightness, screen standby time, screensaver style, and external display resolution.



System Update

Two update methods: Online Update and Local Update.



Online Update

Connect to the network.

Go to Settings > About > Software Version.

Update if a new firmware is prompted, or tap "Check for Updates" to scan manually. Follow on-screen prompts to complete the update. The unit will restart automatically.

Local Update

Download the DMP-K7 PRO firmware update package ("update.zip") from Kaiboer's official website to a USB drive (root directory).

Connect the USB drive to the unit's USB port. The unit will automatically recognize the firmware.

Follow on-screen prompts to complete the update. The unit will restart automatically.

Cautions:

*Do not unplug the USB drive or power off the unit during the update.

*Use a USB drive formatted as FAT32.

*Do not rename or unzip the update package ("update.zip").

Special Notice:

To enhance user experience, Kaiboer may release firmware updates from time to time.

The descriptions in this manual may differ slightly from the actual product.

Features or specifications are subject to change without prior notice.

Product Certificate Card

This product has been inspected and meets all technical standards,
and is hereby approved for shipment.

Kaiboer Guarantees Service:

Dear Kaiboer user:

Thank you for using Kaiboer products. In order to make our service more satisfactory to you, please read this description carefully and keep the product quality assurance card properly after purchase.

Warranty notes:

1. Please complete the information on this quality assurance card;
2. The Kaiboer brand products sold by our company to individual consumers implement one-year free warranty service;
3. The following factors are not within the scope of the free warranty service. For matters not covered by the warranty, the company will charge maintenance fees appropriately;

A.Products beyond the warranty period	B. Damage caused by force majeure (floods, fires, earthquakes, lightning strikes, typhoons, etc.) or misuse.
C.Unnatural loss caused by users' unauthorized inspection, repair, modification, change of components, modification of wiring, etc.	D. Unauthorized alteration of the warranty service card or product inconsistency.

4. If there is any quality problem with the Kaiboer product you purchased, please return the product to the dealer you purchased or contact our company directly.

5. Technical support and maintenance services:

- A.If you encounter problems during the use of Kaiboer products, you can consult the user manual, consult customer service or contact the dealer for answers;
- B. If you seek help through manual customer service, please be sure to clearly inform you of the product model, accessories, and failure details you use, so that the staff can help you more accurately and quickly determine the cause of the failure.



Warranty Card

Order ID:	
Personal or company's full name:	
Address/Postal Code:	
Telephone:	Email:
Purchase Date:	
Sales Platforms:	
Model:	Serial NO:
Product Quantity:	
Other Supplementary Notes:	

Thank you for choosing KALBOER. please contact us directly by emailing notice@kaiboer.com. To get better services, please fill in there quired information.

Respectfully

