All the pictures below are for illustrations only. Specifics are subject to the ac tual product.

FIIO K17 complete User manual

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1.Product Introduction

(1) Overview:

The K17 is a next-generation flagship-level DAC and headphone amplifier integrated machine developed by FiiO Electronics in 2024 and launched in January 2025. Its design incorporates retro elements, making it both exquisite and aesthetically pleasing.

The K17 adds features such as streaming playback and local USB playback, combining the pure audio system with network bridge functionality, offering greater versatility compared to previous FiiO desktop products.

The K17 utilizes the powerful independent DSP chip MS21586Q, enabling professional 31-band PEQ adjustment, paired with PC and mobile apps for rich customization.

In addition to the DSP chip, the K17 also includes numerous flagship-grade chips: 4191 + dual 4499EX DAC, discrete headphone amplifier circuit, imported ON Semiconductor JE243G-JE253G transistors, 4-core FPGA, XU316, QCC5125, etc. It also features a 35W linear power supply, ACCUSILICON low-phase-noise crystal oscillators, Nichicon audio-grade capacitors, ELNA brown coupling capacitors, Panasonic film capacitors, wafer resistors, Neutrik connectors, and other high-end components.

The K17 boasts a rich array of input and output interfaces: dual USB inputs (front and rear panels), coaxial/optical input, Bluetooth input, streaming, local USB input,

balanced input, RCA input, and other digital inputs. It also supports full-featured coaxial/optical output, RCA line output, XLR balanced line output, as well as 6.35mm/4.4mm/XLR4 headphone outputs. The control system uses dual knobs + a display for more convenient operation. Like a "versatile warrior," the K17, with its numerous innovative technologies, will provide users with a brand-new experience.

(2)Supported Sample Rates:

USB DAC Mode: Supports PCM 768K 32-bit, DSD512, and MQA Full Decode.

Coaxial input Mode: Supports PCM 192K 24-bit and DOP64.

Optical input Mode: Supports PCM 96K 24-bit.

Bluetooth Reception Mode: Supports SBC/AAC/aptX/aptX LL/aptX HD/aptX Adaptive/LDAC.

Streaming Decoding: Supports up to 384kHz/32-bit and DSD256 (DOP).

Local Playback: Supports up to 384kHz/32-bit and DSD256.

Note:

1. The sample rate for USB decoding depends on driver settings and computer configurations. Please set the sample rate to PCM 768kHz in the computer's audio settings.

2. Mac computers do not require driver installation. However, specific software like Audirvana is needed to support DSD playback, with a maximum support of DSD256.

(3)Basic Appearance Information:

Dimensions: Approximately 244.6 x 213 x 66.8 mm.

Colors: Black/Silver.

Weight: Approximately 2750g.

Material: Front panel CNC-machined aluminum alloy, middle frame metal stamping.

(4)Download Links:

Quick Start Guide: Click Here

USB DAC Driver Download: Click Here

K17 & K19 Dedicated Windows DSP Download: Click Here

K17 & K19 Dedicated macOS DSP: Search for "FiiO DSP" in the App Store.

FiiO Control App: Click Here

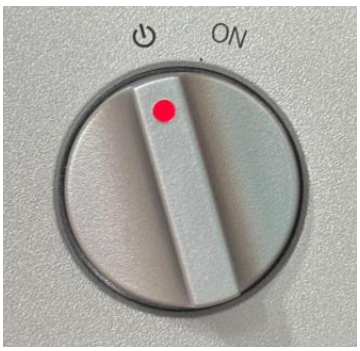
K17 Firmware: Click Here

2.Operation Guide

(1)Power On, Power Off, and Standby:

Before powering on, check the voltage selection switch on the bottom of the unit

and set it to match the local voltage. Then connect the power cable. Press the rocker switch on the rear panel to the "-" position, and the power indicator on the front panel will light up red, indicating that the power is connected. At this point, the K17 is in the powered-off state. In this state, neither the infrared remote nor the Trigger In can power on the K17.

		
Standby, remote control offers instant power-on	Power off, power supply connected	Power on

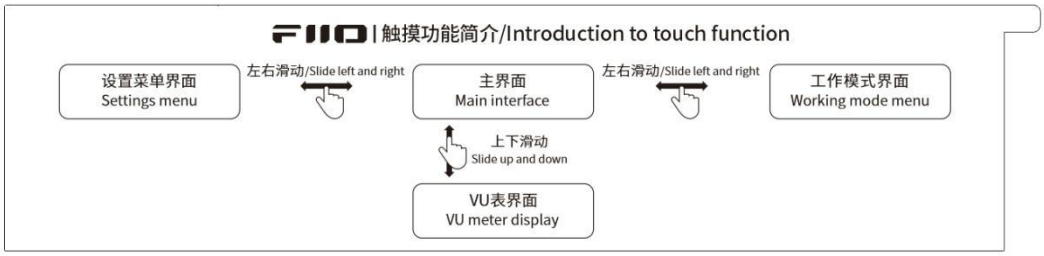
Power On: After the power is connected, turn the front power knob to the ON position. The indicator will turn white, the display will light up, and the K17 will power on.

Standby: In the powered-on state, pressing the red standby button on the remote will put the K17 into standby mode. In standby, the main control and MCU operate in low-power mode.

Long-Term Non-Use: When not using the product for an extended period, turn off the rocker switch on the rear panel to cut the main power.

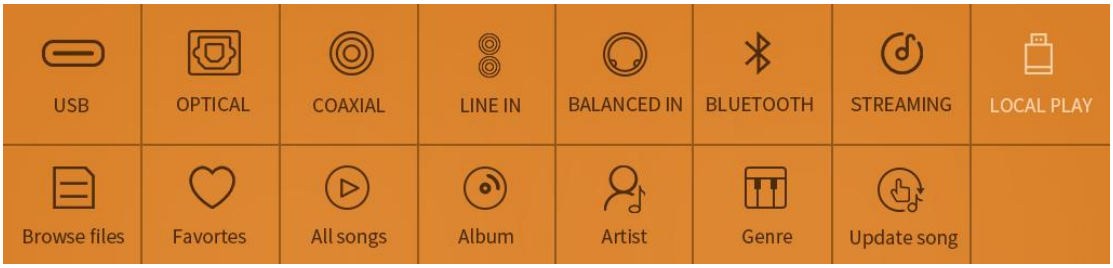
(2)Touchscreen Operation:

The K17 features a 3.93-inch touchscreen display.



Power on to enter main Interface. For example, the USB DAC working mode main interface:

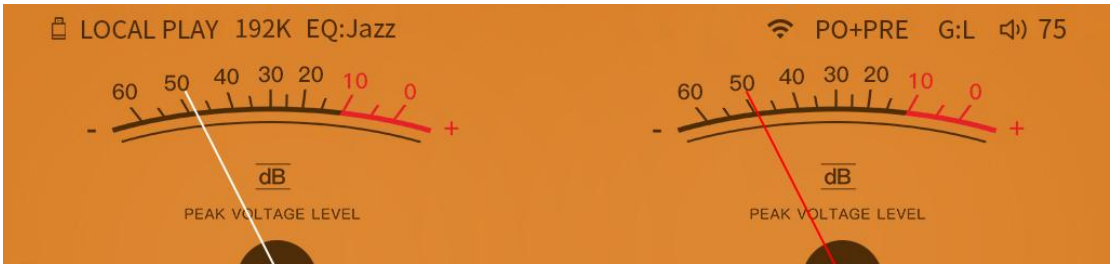
Mode Selection Interface: Swipe left to switch between 8 working modes (USB, Optical, Bluetooth, Streaming, Coaxial, Line Input, Balanced Input, Local Playback).



Menu Settings Interface: Swipe right to access settings for playback, equalizer, channel balance, themes, backlight, etc.

VU Meter Interface: Available in streaming or local playback modes; other modes

do not currently support VU meters (DSD is also unsupported).



3.Detailed Description of Buttons and Interfaces

(1)Analog Output Interfaces:

a.Headphone Output ports:

6.35mm single-ended output: Outputs left and right positive signals (R+, L+), directly parallel to the balanced output. Simultaneous connection of single-ended and balanced headphones may increase load; avoid excessive volume + gain to prevent abnormal operation.

4.4mm balanced output: Outputs left/right positive and negative signals (R+, R-, L+, L-).

XLR4 balanced output: Outputs left/right positive and negative signals (R+, R-, L+, L-), internally parallel to the 4.4mm balanced output.

Warning: Incorrect adapters (e.g., balanced-to-single-ended cables that short L - and R- to ground) may trigger overload protection.

b.Line Output ports:

RCA single-ended output: Stereo line output (R+, L+ and ground). Maximum output is 2.5Vrms; reduce volume in PRE mode if distortion occurs.

XLR3 balanced output: Balanced line output (R+, R-, L+, L-), suitable for active speakers or amplifiers.

(2)Knob Functions:

a.Power on/off Selector Switch: Controls power on/off. Remote wake-up is disabled when the knob is in the off position.

b.Analog Output Selector Switch: Switch output PO+PRE, PO, PRE and LO

PO+PRE: Simultaneous headphone and line output, with volume and gain adjustments affecting both.

PO: Only headphone outputs are active (6.35mm, 4.4mm, XLR4).

PRE: Only line outputs are active (RCA, XLR3), with adjustable volume (unaffected by gain).

LO: Fixed maximum volume line output (volume and gain controls disabled). Ensure connected devices are set to appropriate levels to avoid loud noises.

c.Gain Switch: Five levels—L (Low), M (Medium), H (High), SH (Super High), UH (Ultra High). Gain can be achieved through software gain, which controls the internal volume output level via software, or hardware gain, which changes the amplification factor of the hardware circuit.

Gain	Hardware gain	Software gain	Whole gain
LOW	L=0dB	-12dB	-12dB
Medium	L=0dB	-6dB	-6dB
High	L=0dB	-3dB	-3dB
Super High	H=+12dB	-3dB	+9dB
Ultra High	H=+12dB	0dB	+12dB

As shown in the table above, the Ultra high mode and Super High gain mode are hardware high gain modes. The L/M/H modes are hardware low gain modes.

d.INPUT/MENU Knob: When rotating, the display screen pops up an input selection menu. If no action is taken for 3 seconds after stopping at a specific input, the device automatically enters this operating mode. When rotating and stopping at a specific input mode, pressing the button immediately enters this operating mode.

e.VOLUME Knob: Rotate to adjust the volume up or down. At this point, the display screen will pop up the volume adjustment interface, as shown in the figure. A short press on the knob will turn the screen off or on. (Note: In the Settings menu under Other Settings, the "Short press volume knob" setting can modify the response

function of a short press on the knob, which can be selected as “Turn off/wake up” or “Mute/unmute” functionality.)

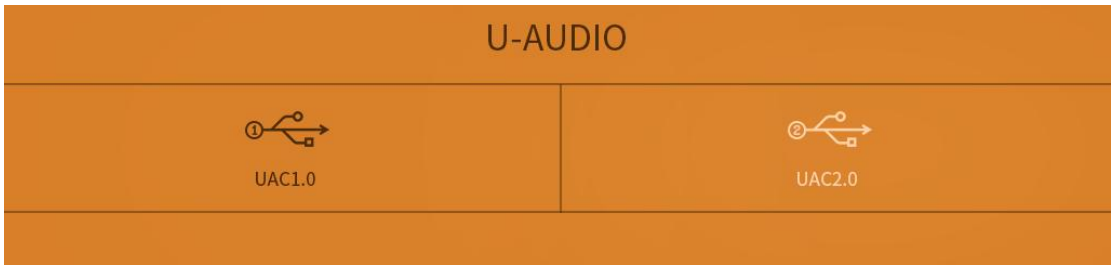
(3)Digital Input Interfaces:

a.USB IN (Front/Rear): For connecting computers, phones, or players. The front USB takes priority if both are connected.

Note:

1. Windows 10+ requires driver installation(Win7 or below is not supported.); macOS does not.

2.PS4/PS5 requires UAC1.0 mode (set in the K17 menu).



b.RS232: For PEQ adjustment or firmware upgrades via PC.

c.COAXIAL IN: Coaxial input

d.OPTICAL IN: Optical input

e.USB HOST: Connect a USB flash drive for local playback. This interface has a current limit of 500mA. If you need to connect an external hard drive, please use an external power supply.

The USB flash drive capacity has been tested to support up to 256GB. Supported formats include FAT32, NTFS, and exFat.

f. LAN: Ethernet port (10/100/1000Mbps).

(4)Other Interfaces:

a.Grounding Switch: Toggles chassis-ground connection to reduce hum in multi-device setups.

1.When K17 is paired with other device which cannot be connected to the power ground, it can be connected through the grounding post.

2.You can connect the metal shell of K17 directly to the earth through the grounding post, which can enhance the anti-static capability of the equipment.

3.Improve the ground loop, potentially to improve loop interference

b.TRIGGER IN: 12V trigger input for synchronized power on/off with other devices.

Trigger IN: Nominal 12V trigger, which can be triggered via 5-15V. The power consumption is lower than 20mA;

It is recommended to use a 2pins 3.5mm cables or a 3pins 3.5mm cables (in practice, the L and GND pins are used for the positive/negative signals, and the R pin is not connected.)

c.RF Antennas: Right (near power input) for Bluetooth; left (near coaxial port) for Wi-Fi (2.4G/5G dual-band). Avoid blocking antennas.

4. Main Interface Display

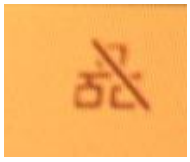
(1)Status Bar (USB Mode as Example):

1.Current mode (e.g., USB DAC mode).

2.Sample rate (e.g., DSD512).

3.Current EQ type

4.Network status

			
WiFi connected	WiFi disconnected	Ethernet connected	Ethernet disconnected

5.Output mode (PO+PRE/PO/PRE/LO).

6.Gain level (L/M/H/SH/UH).

7.Volume level (0–120).

(2)USB DAC mode interface:

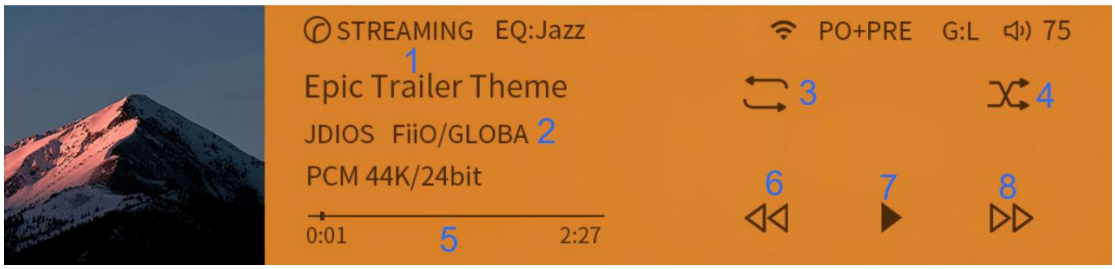
9. Current working mode: USB DAC decoding mode

10. Current playback track format

11. Current EQ type

12. Current playback track sampling rate

(3)Streaming Mode Interface:



1.Streaming Connection Mode: Distinguish between Airplay and Roon Ready.

2.Song Title and Artist Information: Primarily displays the song title and artist name. However, some music playback software may display lyrics or other content after the song title, which may cause the display to refresh depending on the software.

3.Playback Order: Can switch between sequential playback, loop playback, single-track playback, and single-track loop. Only effective in Roon Ready mode; Airplay does not support this feature due to protocol limitations.

4.Shuffle Play: Enable or disable shuffle mode. Only effective in Roon Ready mode; Airplay does not support this feature due to protocol limitations.

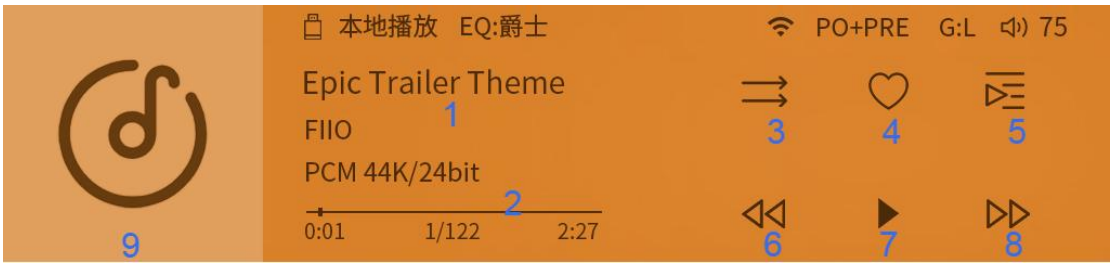
5.Song Duration and Progress Bar

6.Previous Track

7.Play/Pause

8.Next Track

(4) Local Playback Interface:



1. Song Title

2. Song Duration and Progress Bar

3. Playback Mode: Can switch between sequential playback, loop playback, shuffle play, single-track playback, and single-track loop.

4. Add or Remove from Favorites

5. Jump to Current Playlist

6. Previous Track

7. Play/Pause

8. Next Track

9. Cover Display: Note that the current firmware only supports JPG format covers embedded in the track file, with a size not exceeding 1.2MB. Folder covers and BMP/PNG format covers are not currently supported.

5. Working Modes

(1)USB DAC Mode:

PCM: 44.1kHz–768kHz, 16–32-bit.

DSD: DSD64–DSD512.

MQA: 8x full decode.

Multichannel WAV or other formats: Unsupported.

Mono tracks: Only ≥44.1kHz supported. For playback of tracks below 44.1kHz, use software SRC to upsample the track to 44.1kHz or 48kHz before playback.

(2)Optical Input Mode:

PCM: 44.1kHz–96kHz;

DSD not supported

(3)Coaxial Input Mode:

PCM: 44.1kHz– 192kHz;

DSD: DSD64.

(4)Single-Ended Line Input Mode:

Single-Ended Line input mode supports single-ended headphone output and balanced headphone output (front output switch set to PO+PRE or PO), as well as rear panel line output (front output switch must be set to PRE or LO).

(5)Balanced Line Input Mode:

Balanced line input mode supports single-ended headphone output and balanced headphone output (front output switch set to PO+PRE or PO), as well as rear panel line output (front output switch must be set to PRE or LO).

(6)Bluetooth Receiver Mode:

K17 uses the QCC5125 Bluetooth receiver chip, Bluetooth version 5.1, and supports AAC/SBC/aptX/aptX-LL/aptX-HD/aptX-Adaptive/LDAC encoding formats.

(7)Streaming Mode:

Preliminary Note: K17 supports Airplay and Roon Ready streaming methods. Both require connecting the K17 and the streaming device (e.g., phone or computer) to the same local network.

Airplay: After connecting to an Apple device, you can stream via Airplay in Apple Music or QQ Music.

Roon Ready: Connect the K17 and the device to the same network, then enable the FIIO K17 in ROON CORE Settings > Audio. Supports 44.1kHz–384kHz; 16bit–32bit, DSD64-DSD256 (DOP).

Note: K17 does not support DLNA (UPnP).

How to confirm if the device is on the same local network?

Check the IP address in the K17 Settings menu > Device Info and compare it with the phone’ s IP address. If the first three segments are the same, they are on the

same local network. For example, if the K17 IP is 192.168.123.2 and the phone IP is 192.168.123.3, both devices belong to the 192.168.123.xxx network segment, confirming they are on the same local network.

(8)Local Playback Mode:

The bottom row of the input mode selection interface is only active in local playback mode. In other modes, it is grayed out and inactive.

K17 can scan and play songs from a USB drive.

Supports decoding and playback of AAC/AIF/AIFF/APE/FLAC/MP3/WAV/DSD formats, with maximum sampling rates of PCM384K and DSD256.

Does not support: OGG format, CUE track splitting.

Cover support: Only supports JPG format embedded covers under 1.2MB. Other formats and external covers are not supported.

6. Menu introduction

Playback Settings:

1.Playback Mode:

Sequential Playback: Plays tracks in order and stops after the list ends.

Loop Playback: Plays tracks in order and restarts the list after completion.

Shuffle Playback: Randomly skips tracks within the current playlist.

Single-Track Playback: Plays only the current track and stops after completion.

Single-Track Loop: Repeats the current track indefinitely.

2.Resume Playback:

Off: Does not auto-play tracks after restarting; requires manual playback.

Position: In USB playback mode, resumes playback from the last position after restarting.

Song: In USB playback mode, restarts playback from the beginning of the last track after restarting.

Equalizer:

Includes 7 preset EQ curves (unmodifiable) and 10 customizable EQ slots for user adjustments.

Filter: 6 digital filters.

Max Volume: Limits the maximum output volume to prevent accidental loud playback.

Balance: Adjusts left/right channel volume compensation to correct imbalances.

Network: Switch between wired and wireless connections.

Brightness: Adjusts screen brightness.

Screen Time: Sets the screen auto-off timer.

RGB light: When set to "Color Follows Audio," the sampling rate follows the table below.

Bluetooth Format Indicator Colors	SBC: Blue
	AAC: Cyan
	aptX/aptX LL: Purple
	aptX-HD: Yellow
	aptX Adaptive: Green
	LDAC: White
	Connected without detecting the codec: Blue
	Pairing: Red and blue flash alternately
Digital Input Audio Quality Indicators	Cyan: Sampling rate ≤48 kHz.
	Yellow: Sampling rate >48 kHz.
	Green: DSD format.
	Magenta: MQA format (only supported via USB input with EQ turned OFF).
Line in	Cyan

Theme: Currently, K17 offers two themes. Selecting a theme will trigger an automatic restart to apply the change.

Trigger In: Enable or disable Trigger In functionality.

Idle time: If no data is input within the set time, K17 enters power-saving mode, shutting down some analog circuits (digital circuits remain active). The knob light will turn off. Playback resumes automatically when data is detected.

Note: Smart idle is unavailable in RCA and balanced line input modes.

U Audio: Supports UAC1.0 and UAC2.0.

UAC1.0: No driver required. Compatible with SWITCH, PS5, PS4, etc. Supports 44k–96k.

UAC2.0: Typically used for players, phones, and PCs. On Windows, download the FiiO driver from: https://forum.fiio.com/note/showNoteContent.do?id=20210519152736665791 0&tid=17 . Supports PCM44K–768K, DSD64–DSD512, MQA. macOS does not require drivers.

Language: Supports Chinese, English, and Japanese.

Others: Includes Press the volume knob, FW update, reset options, and factory debugging.

1.Press the volume knob: Set to toggle screen on/off or mute/unmute.

2. FW Update: Includes SOC online update, SOC local update, and MCU update.

The K17 employs a dual-master architecture:

SOC handles local playback, streaming, VU meter calculations, UI display, and operations.MCU manages power control, mute functions, DAC control, PEQ adjustments, etc.

Thus, separate firmware upgrades are required for the SOC and MCU.

(1)SOC Online Upgrade:

When the K17 is connected to the internet, this setting allows online updates to the latest SOC firmware. If the SOC already has the latest version, a prompt will indicate no update is needed.

Note: Only firmware versions V174 or higher support online upgrades. For versions below V174, users must first download the V174 (or later) firmware via USB for a local upgrade before enabling online updates.

(2)SOC Local Upgrade:

Insert a USB drive (formatted as FAT32) containing the unzipped SOC firmware (a .zip file downloaded from FiiO’ s website) into the K17’ s rear USB-A port.

Navigate to Settings > Firmware Upgrade > SOC Upgrade to initiate the update.

Key Notes:

1.Do not rename or extract the .zip file.

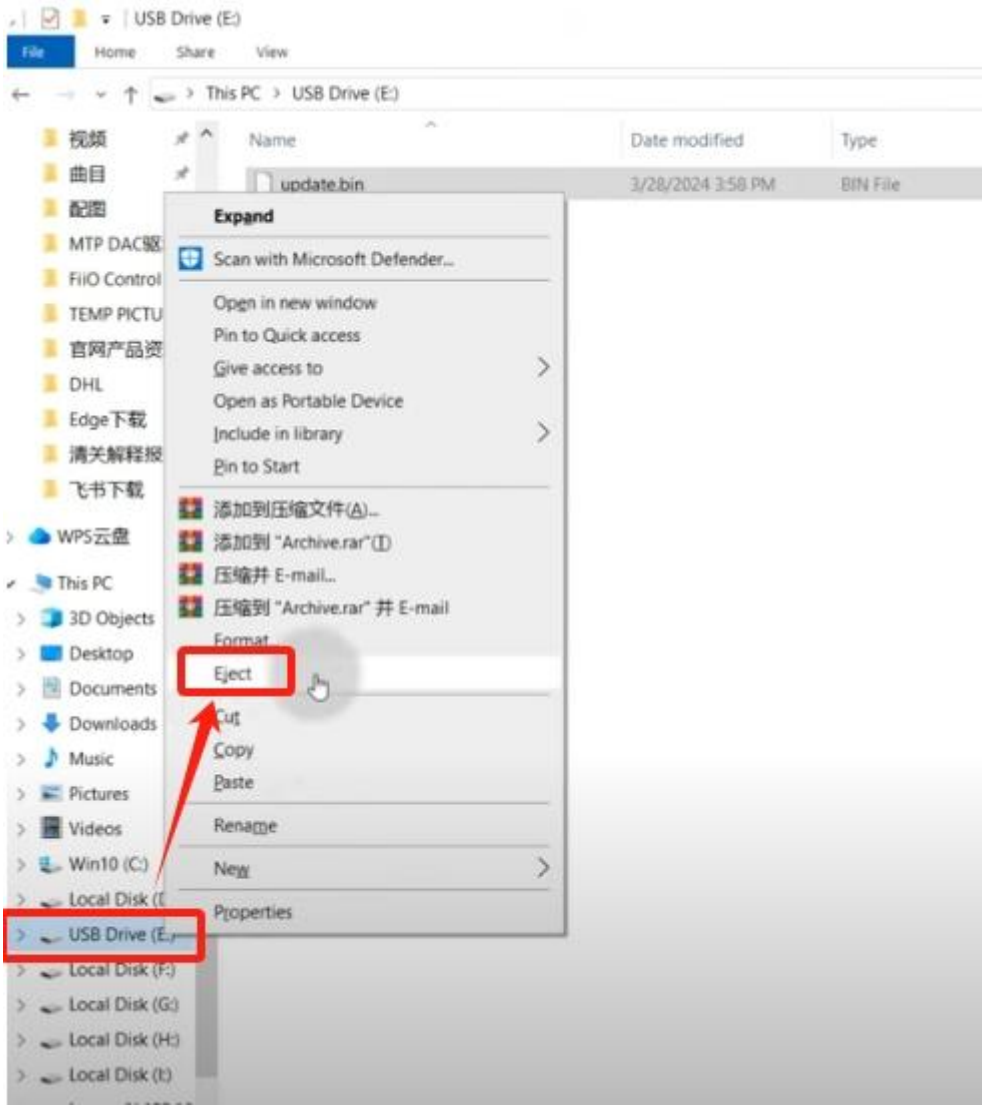
2.Place the file directly in the USB root directory (no subfolders).

3.macOS users must disable Safari’ s auto-unzip feature: Safari > Preferences > General > Uncheck "Open safe files after downloading".

(3)MCU Upgrade:

Download the MCU firmware (a .bin file) to a computer.Connect the K17’ s RS232 port to the computer via USB. Navigate to Settings > Other Settings > Firmware Upgrade > MCU Upgrade. A virtual USB drive will appear on the computer.

Copy the .bin file into this drive, then eject the drive via "My Computer" (not the system tray icon). The K17 will auto-reboot after upgrading.



Note:

1.When ejecting the USB drive, be sure to select "Eject" in "My Computer" instead of using the disk ejection option in the lower right corner of the computer. Otherwise, the K17 will not detect the ejection action and will not enter the upgrade state.

2.If the K17 fails to reboot within 3 minutes, replug the USB cable and retry ejection.

3.If "Upgrade Timeout" appears, restart the process from the menu.

3.Reset Options:

The K17 allows partial resets for network settings, EQ, Bluetooth, song library, etc., or a full "Restore Factory Settings" to revert to the original state.

4.Factory Debug:

For troubleshooting, insert a USB drive into the K17’ s USB-A port and select Factory Debugging. The system will save diagnostic logs (non-user data) into a fiio_log folder on the drive. Share this folder with FiiO support for analysis.

About K17:

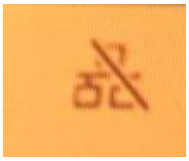
Displays firmware versions for MCU, SOC, FPGA, and the number of songs scanned from a USB drive. When connected to a network, it also shows the K17’ s IP address to verify LAN connectivity with other devices.

7. Network Connection

The K17 supports both WiFi (2.4G/5G dual-band) and wired network connections. In the "Network Settings" menu, first select the network you wish to connect to.

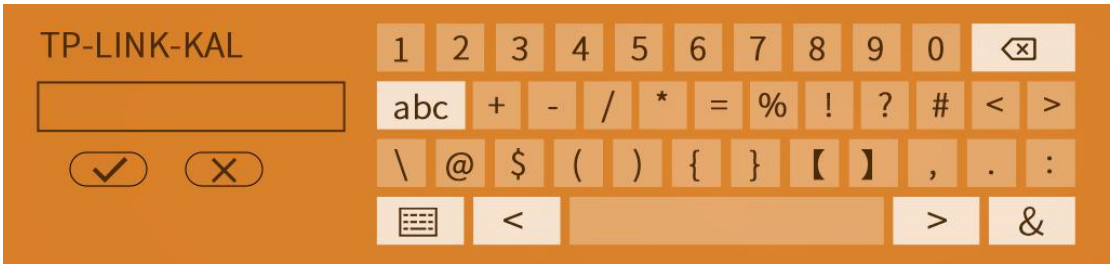
Wired Network:

After plugging the network cable into the Ethernet port on the back of the K17, select "Wired Network" in the menu. The K17 will automatically connect to the network. The wired network supports three speeds: 10M/100M/1000Mbps. Once connected, the network icon in the status bar on the K17's main interface will display as connected. Additionally, the network IP can be viewed in the "Device Information" menu.

	
Ethernet connected	Ethernet disconnected

Wireless Network:

In the "Network Settings" menu, click on "Wireless Network." The K17 will search for available WiFi networks and display a list once the scan is complete. Click on the desired WiFi network to enter the password input screen. After entering the correct password, confirm by selecting the √ icon, and the K17 will automatically connect to the WiFi hotspot.



Once the wireless network is successfully connected, the WiFi icon in the status bar on the main interface will change to "connected," and the network IP can be viewed in the "Device Information" menu.

Notes:

1.The K17's character keyboard is simplified and does not support certain special characters. If your password contains special characters, please modify the password before connecting.

2.The WiFi password field on the K17 displays a maximum of 17 characters. If the password exceeds this length, drag the gray scroll bar at the bottom to view the remaining characters.

3.The K17 can only determine whether it is connected to a wired or wireless network, not whether the network has internet access.

4.For router WiFi encryption settings, please select WPA2-PSK. If WPA3-PSK is selected, the WiFi connection will fail. If you are unable to connect after entering the correct password, check the router settings to ensure it is configured as specified.

8. Mobile Remote Control App: FiiO Control Installation and Usage

After installing FiiO Control on your smartphone, you can remotely control the K17's local playback, PEQ adjustments, and other functions. The steps are as follows:

(1)Search for the "FiiO Control" app in your app store, download the latest version, and install it.

(2)Ensure both the K17 and your smartphone are connected to the same network.

(How to confirm they are on the same network:

Check the IP address in the K17's "Device Information" menu (under Settings). Compare it with your phone's IP address. If the first three segments match, they are on the same local network.

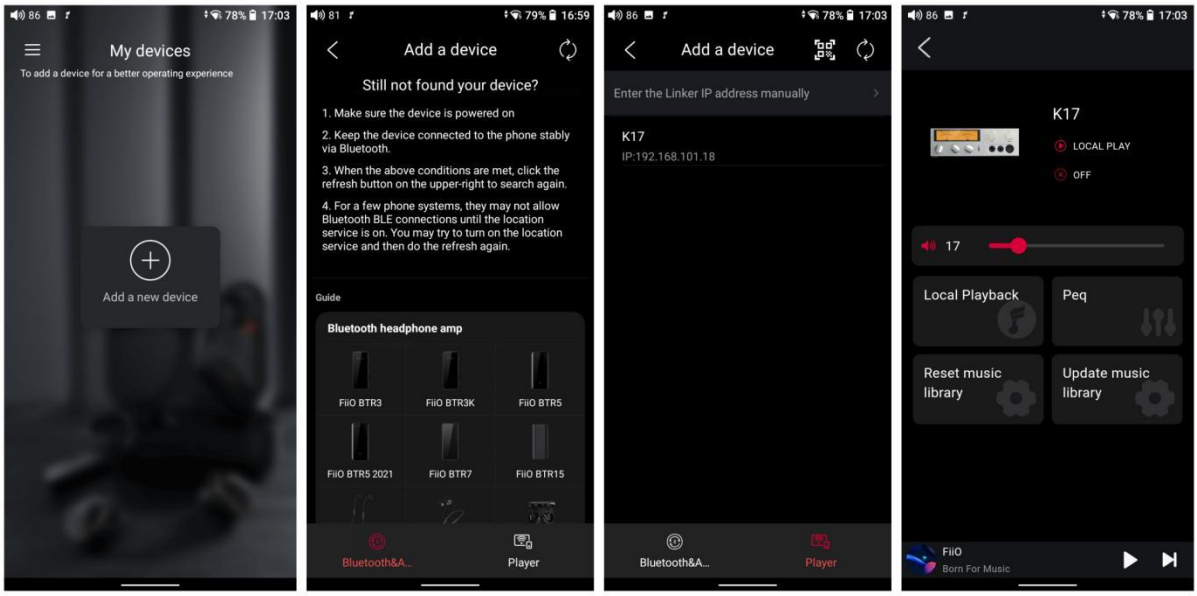
Example:

K17 IP: 192.168.123.2

Phone IP: 192.168.123.3

Both devices belong to the 192.168.123.xxx subnet, confirming they are on the same network.)

(3)Open the FiiO Control app (if prompted for permissions upon first launch, grant the necessary permissions). Follow these steps to connect to the K17:



After opening the app, click "Add New Device" in the center.	Click the "Player" icon at the bottom right.	Click the refresh icon at the top right. Once the K17 is detected, click to connect.	Connection successful.

Notes:

3.1: If there are two or more K17 devices, check the IP address in the K17's "Device Information" menu and select the correct one in the app.

3.2: If no devices appear, click the refresh icon at the top right.

3.3: If the device still does not appear after refreshing, manually enter the K17's IP address by clicking "Manually Enter Linker Control IP" at the top of the app interface.

3.4: To control USB playback, ensure the K17 is switched to "Local Playback" mode first.

(4)After connecting, you will enter the app's main control interface, where you can adjust local playback, EQ settings, volume, and more.

9. PEQ Function

The K17 features a built-in dedicated DSP chip, the M21586Q, which supports 64-bit double-precision floating-point operations and operates at a 360MHz clock speed, enabling the K17 to offer professional-grade 31-band PEQ adjustments. In the "Equalizer" menu, seven commonly used presets are available: Jazz, Rock, R&B, Hip-Hop, Pop, Dance, and Classical. Additionally, it supports 10 customizable PEQ curves.

There are two ways to adjust custom curves: via computer software or a mobile app.

(1)Download and Connection for the Computer Software

Windows version DSP for K17 & K19: Click here

Mac OS version DSP for K17 & K19: Search for "FiiO DSP" on the App Store to download.

After downloading and installing, connect the K17's rear RS232 interface to the computer using a USB cable. The PEQ software will automatically connect once launched. If the connection fails, click the "Connect" button in the upper right corner to retry. Upon successful connection, the red "Connect" text will turn green and display "Disconnect."

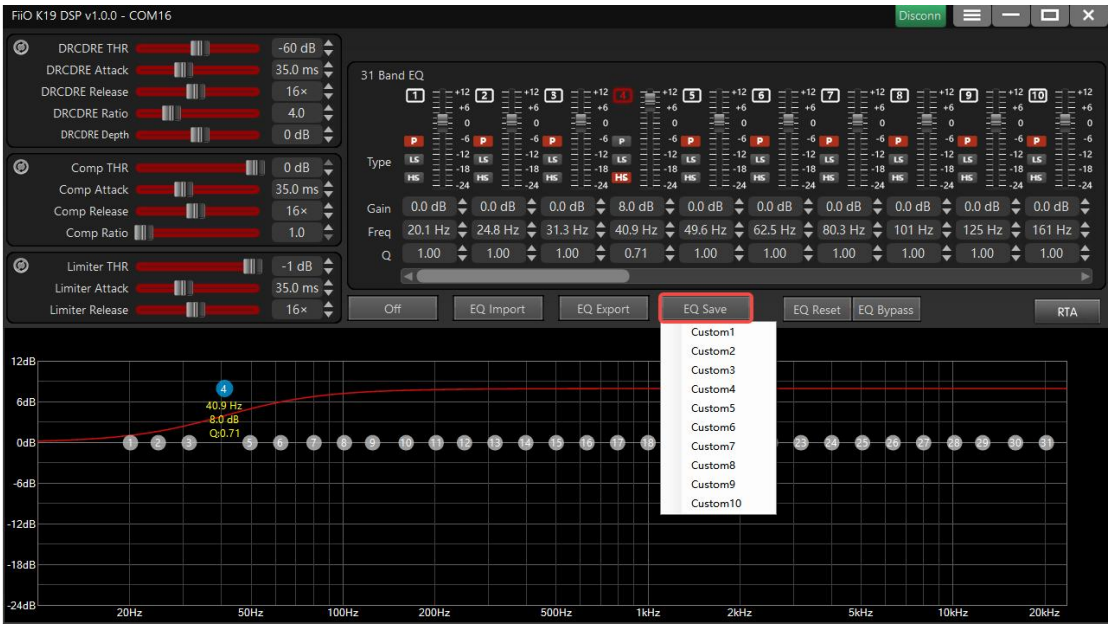
As shown in the figure below, you can select the PEQ settings. When "Custo m" is selected, you can adjust the curve interface at the bottom to set your preferred curve. After setting the curve, you need to click "Save EQ" and cho ose a save location to store the curve on the K17 device.

The preset curves cannot be modified. If you alter a preset curve and click "S ave," you must save it under any custom slot instead of overwriting the origi nal preset EQ.

After saving, the K17 can disconnect from the computer, and you can directly select the adjusted curve from the K17 menu. The names of custom curves can be modified via the mobile app. (Note: The computer software is hardco ded and cannot display or modify custom curve names.)

(2) Importing, Exporting and Saving EQ Curves

When you click "EQ Export" the current EQ settings can be saved to your co mputer as a local parameter file with an .XML extension. Clicking "Import EQ" allows you to load an EQ parameter file into the DSP client, and the K19/K1 7 will immediately apply the settings. Exporting files makes it easy to share w ith others. FiiO also provides tuning curves for some headphones—contact cu stomer service for details.



When the DSP client is connected, any imported or modified EQ settings will take effect immediately on the K19/K17. However, the changes will not be stored permanently. To save the parameters to the K19/K17, click the "Save EQ " button and store them in Custom 1–Custom 10, overwriting the previous custom settings.

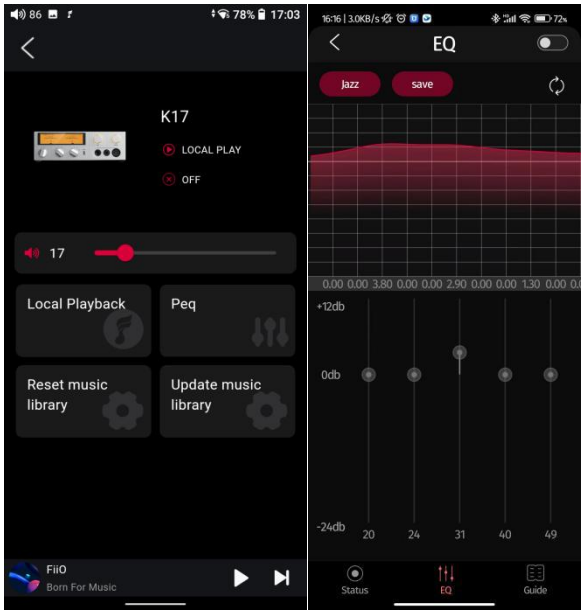
For a detailed DSP tutorial, please refer to the FAQ on the right: https://www.fiio.com/newsinfo/926001.html

Note: The DSP adjustments for the K17 and K19 can only be made using the above DSP software and cannot be controlled via the web-based PEQ interface at https://fiiocontrol.fiio.com/.

(2) Adjusting PEQ with FiiO Control

Please download and install the "FiiO Control" app from your mobile app store.

After entering the "Equalizer" option, you can adjust the curve directly on yo ur phone. Once the adjustments are complete, click "Save" to synchronize an d store the settings to the K17.

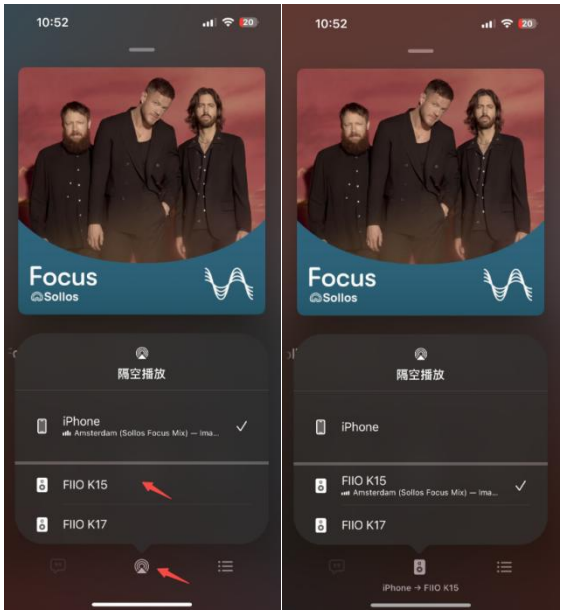


10. Streaming Features Introduction

Preface: The K17 supports two streaming methods, AirPlay and Roon Ready. Both require the K17 and the casting device (e.g., a phone or computer) to be connected to the same network for casting.

(1)AirPlay:

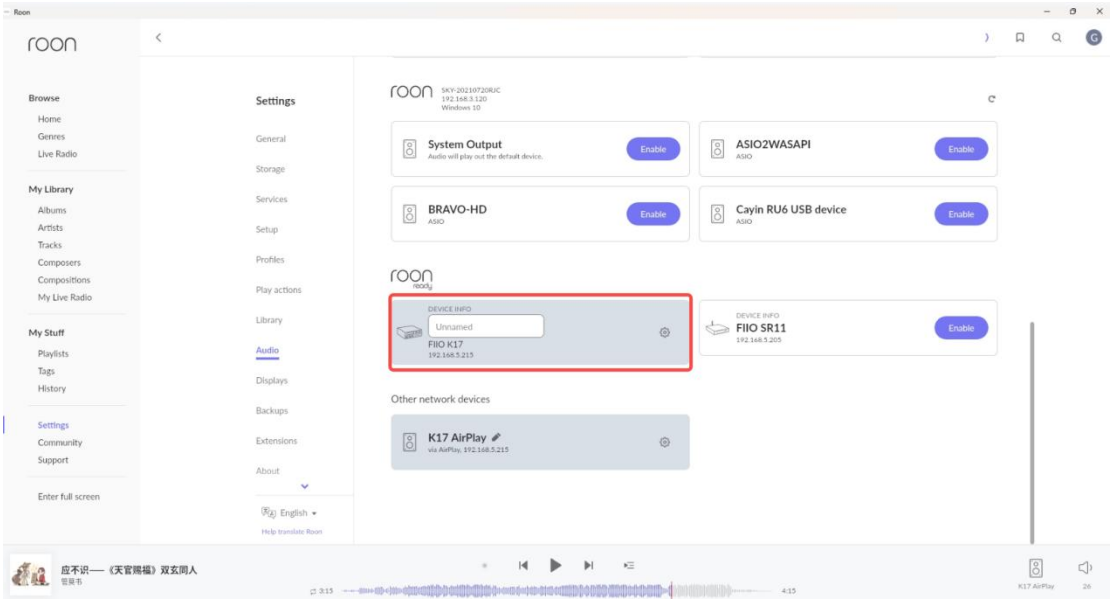
The K17 supports AirPlay 1st generation. After connecting to an Apple device, you can remotely cast music from Apple Music or other APPs via AirPlay.



Note: The K17 runs on the AirPlay 1 protocol. After updating to iOS 18.4, the album cover may freeze on the first song's artwork and not refresh when switching tracks. This is an iOS issue, and we hope it will be resolved in future updates.

(2)Roon Ready:

You need to install the Roon music software on your phone or computer. Then, in the settings under "Audio," select the Roon Ready device as "FiiO K17." Once connected, you can cast music to the K17 for playback.



(3)NAS Playback via Roon:

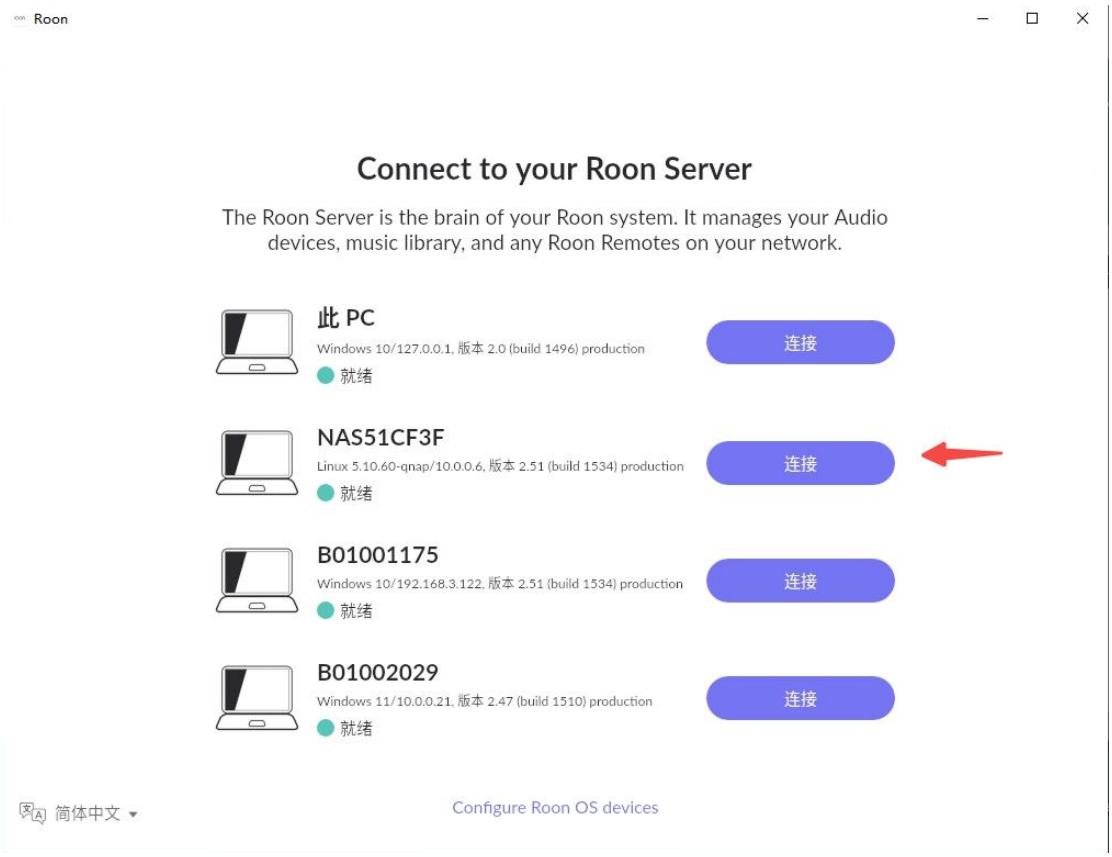
3.1. First, ensure the NAS, phone (or computer), and K17 are on the same local network.

3.2. Install Roon Server on the NAS and the Roon music player on your phone (or computer). In Roon's settings, select the NAS server as shown below.

[Image]

3.3. Add songs from the NAS to Roon.

3.4. Set the K17 to streaming mode and connect to your phone via Roon Ready to access songs on the NAS.



11. Protection Mechanisms

(1)Overload Protection: When the headphone output interface exceeds a certain power level, overload protection will be triggered. At this time, the K17 display will pop up a warning message: "Overload anomaly, please power off and restart." Please check whether the headphone wiring is abnormal or if the headphone interface is fully inserted. After confirming everything is correct, power off and restart the K17, then try playing again. Short circuits between channels can also trigger overload protection. Therefore, in certain special situations, such as repeatedly and quickly plugging and unplugging headphones, there is a small probability of triggering overload protection.

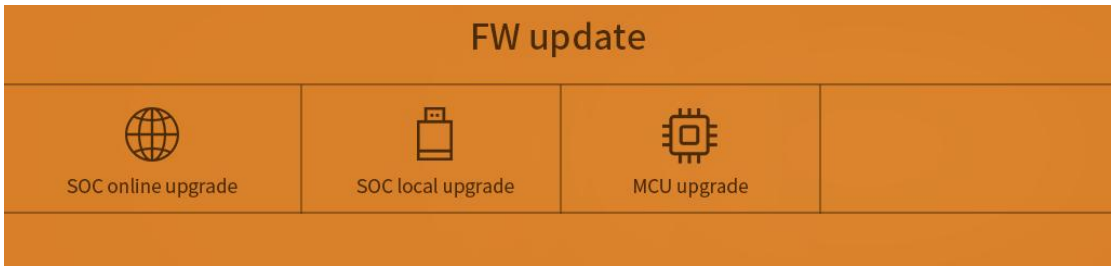
(2)DC Protection: When the internal circuit is damaged, direct current (DC) may be generated in the circuit, which could damage the headphones. The DC protection function effectively safeguards against such abnormal conditions. If a DC protection pop-up appears, try turning off the AC power supply and then turning it back on to restart the K17. If the issue persists, please contact customer service for factory repair.

(3)Temperature Protection: The K17 has a built-in temperature detection circuit. When the device overheats and reaches the protection temperature, an over-temperature protection alert will appear. In this case, please power off the K17 and let it rest for a while. Once the temperature has slightly decreased, you can use it again.

(4)AC Fuse: The K17 has a built-in fuse above the AC power socket, as shown in the diagram. If the device shows no response when plugged in and powered on, check whether the fuse has blown. If so, you can replace the fuse yourself. The fuse specification is 250V 0.5A.

12. Firmware Upgrades introduction

K17 supports firmware upgrades for SOC, MCU, Bluetooth chip, and XMOS316.



SOC Upgrade:

1.OTA Upgrade:

After connecting K17 to the internet or switching networks, a pop-up notification for new firmware will appear. You can choose to cancel, remind later, or proceed with the upgrade. Alternatively, navigate to Menu > Other Settings > Firmware Upgrade > Main Controller Online Upgrade to initiate OTA.

If the OTA upgrade is interrupted due to network or power failure, K17 may get stuck on a black "Updating" screen. Restarting the device will not resolve this. Reconnect K17 to the same network used during the OTA to resume the upgrade (resume from breakpoint).

After completion, K17 will automatically reboot.

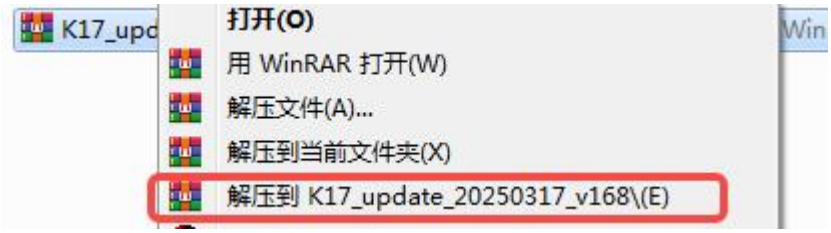
If the upgrade remains stuck on "Updating" despite restarting or reconnecting, use USB drive recovery:

Download the latest K17 firmware from the official link:

https://forum.fiio.com/note/showNoteContent.do?id=20250227150304549160 6

Insert the USB drive into the rear USB-A port of K17.

Copy the compressed file" K17_update_20250317_Vxxx" to a USB drive, manually extract it, and rename the extracted folder to "K17_update_images".



With K17 powered off, hold the volume knob, then turn on the AC power switch. K17 will boot into a black "Updating" screen—release the knob. Wait ~10 minutes for completion.

If issues persist, please contact FiiO support.

2.USB Drive Upgrade:

Tutorial video: **https://youtu.be/anhViDWo4Ws**

Download the latest firmware and guide from Fiio's website, then follow the instructions to copy files to the USB drive. Navigate to Menu > Other Settings > Firmware Upgrade > Main Controller Local Upgrade.

Note: Some USB drives may have compatibility issues. Try another drive or contact support if the upgrade fails.

MCU Upgrade:

Tutorial video: **https://youtu.be/WN-fyWZ53fQ**

Notes:

1.Windows: After copying firmware, right-click the USB drive in "This PC" and select "Eject". Using the system tray’ s "Safely Remove" option will cause MCU upgrade failure.

2.Mac: macOS may auto-generate duplicate files (e.g., .DS_Store), causing upgrade failures. This issue is fixed in MCU firmware V84+. For older versions, manually reveal hidden files before ejecting