Khadas Tea Pro

Khadas Tea Pro Portable Headphone Amplifier User Manual

Model: Tea Pro (K1017) | Brand: Khadas

1. INTRODUCTION

The Khadas Tea Pro is an ultra-slim, portable Digital-to-Analog Converter (DAC) and headphone amplifier designed to elevate your mobile audio experience to Hi-Fi levels. It features advanced audio chips, dual headphone outputs, and magnetic attachment for seamless integration with your smartphone. This manual provides essential information for setting up, operating, and maintaining your Tea Pro device.

2. WHAT'S IN THE BOX

- Tea Pro Headphone Amplifier
- 10cm USB-C to C Cable
- User Manual (this document)

Dual Output Support

3.5 mm single-ended & 4.4 mm balanced outputs — ready for everything from in-ear headphones to high-impedance headphones.

Image: Khadas Tea Pro, USB-C to C cable, and user guide.

3. PRODUCT OVERVIEW

3.1 Key Features

- **Triple-Chip Desktop-Grade Sound:** Integrates ESS ES9039Q2M DAC, XMOS XU316-1024 USB chip, and Qualcomm QCC5181 wireless decoder for detailed audio.
- **Ultra-Slim & Lightweight Design:** Weighs 96g and is 7.85mm thin, comparable to a credit card.
- **0.95" AMOLED Display:** Provides real-time playback information, battery status, and settings.
- **MagSafe-Compatible:** Strong magnets ensure secure attachment to compatible smartphones (iPhone 12-17).
- **Dual Outputs:** Features 3.5mm single-ended and 4.4mm balanced outputs for wide headphone compatibility.
- **Extended Battery Life:** 2100mAh battery offers up to 11 hours wireless or 8 hours wired playback.
- **Wide Compatibility:** Supports iOS, Android, Windows, and macOS devices.

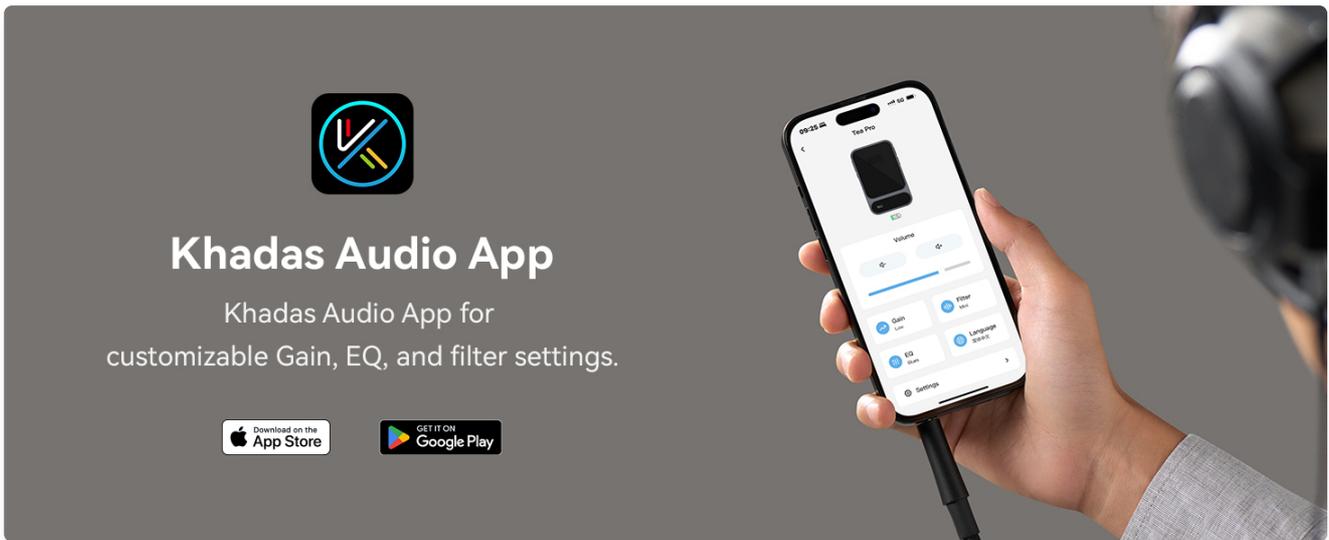## 3.2 Component Identification

Image: Front and side view of the Tea Pro with labeled ports and buttons.

- **Color Screen:** 0.95-inch AMOLED display.
- **Power Button:** On the left side, used for power on/off.
- **Menu Button:** On the left side, used to navigate menus.
- **Volume Up/Down Buttons:** On the right side, for adjusting audio volume.
- **3.5mm Headphone Jack:** Single-ended audio output.
- **4.4mm Headphone Jack:** Balanced audio output.
- **USB-C Port:** For data connection and charging.
- **Microphone:** For voice input during calls or recordings.

Enjoy Music Anytime, Anywhere

Park

Home

Outdoors

Subway

Image: Illustration of the triple flagship audio chips (Qualcomm QCC5181, XMOS XU316-1024, ESS ES9039Q2M) inside the Tea Pro.

Widely Compatible, Plug & Play

Compatible with **iOS**, **Android**, **macOS**, **Windows** and **Linux**.

Image: The Khadas Tea Pro's ultra-slim profile (7.85mm) and light weight (96g) with magnetic attachment to a smartphone.

CNC-Machined Shell

Wear-Resistant Leather Back

Image: Internal view highlighting the 2100mAh battery, providing 11 hours wireless or 8 hours wired playback.

Call With Siri Easily

When connected to an Apple device via Bluetooth,
press and hold the menu button
for 2 seconds whilst on the home screen to activate Siri.

Image: Demonstrates the Tea Pro's multiple input options (Bluetooth or Wired) and dual outputs (3.5mm and 4.4mm).

4. SETUP

1. **Charging:** Before first use, fully charge your Tea Pro using the provided USB-C to C cable and a compatible power adapter (not included). The display will indicate charging status.

2. **Power On/Off:** Press and hold the Power button on the left side for a few seconds to turn the device on or off.

3. **Magnetic Attachment:** For MagSafe-compatible phones (iPhone 12-17), simply align the Tea Pro with the back of your phone. The magnets will secure it in place. Ensure no obstructions prevent a secure connection.

4. **Wired Connection:** Connect the Tea Pro to your smartphone, tablet, or computer using the USB-C to C cable. The device will automatically detect the wired connection.

5. **Bluetooth Pairing:**

   - Turn on the Tea Pro.
   - On your source device (phone, tablet), go to Bluetooth settings and search for 'Khadas Tea Pro'.
   - Select the device to pair. The Tea Pro display will confirm successful pairing.

6. **Headphone Connection:** Plug your headphones into either the 3.5mm single-ended or 4.4mm balanced output jack at the bottom of the Tea Pro.

5. OPERATING INSTRUCTIONS

5.1 Basic Controls

- **Volume Adjustment:** Use the Volume Up/Down buttons on the right side to control the audio output level.
- **Menu Navigation:** Press the Menu button (left side) to cycle through display options and settings.
- **Display Information:** The 0.95-inch AMOLED screen shows:

  - Battery status
  - Bluetooth / USB-C connection status
  - Gain setting (High / Low)
  - EQ mode
  - Audio format
  - Sampling rate
  - Volume level

5.2 Advanced Settings (Khadas Audio App)

For customizable Gain, EQ, and filter settings, download the Khadas Audio App from your device's app store. The app provides a graphical interface to fine-tune your audio preferences.

Image: Khadas Audio App interface for advanced settings.

5.3 Siri Integration (iOS)

When connected to an Apple device via Bluetooth, press and hold the Menu button for 2 seconds whilst on the home screen to activate Siri.

Image: Activating Siri on an iPhone with the Tea Pro.

5.4 Compatibility

The Tea Pro is compatible with a wide range of operating systems and devices, including iOS, Android, Windows, and macOS. It supports high-quality codecs such as SBC, AAC, LDAC, aptX, aptX HD, and aptX Adaptive.

Widely Compatible, Plug & Play

Compatible with **iOS**, **Android**, **macOS**, **Windows** and **Linux**.

Image: The Tea Pro is compatible with various devices and operating systems.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid liquid cleaners or abrasive materials.
- **Storage:** Store the Tea Pro in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the device frequently. Charge it regularly, even if not in use for extended periods.
- **Avoid Physical Damage:** While durable, avoid dropping the device or exposing it to excessive force.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output	Low battery, incorrect connection, volume too low, incorrect source selection.	Charge the device. Ensure headphones are fully plugged in. Check volume levels on both Tea Pro and source device. Verify correct input mode (wired/Bluetooth).
Bluetooth pairing issues	Tea Pro not in pairing mode, interference, previously paired device.	Ensure Tea Pro is discoverable. Turn off Bluetooth on other devices. Try unpairing and re-pairing. Restart both devices.
DSD files not playing correctly (iOS)	iOS DSD native support limitations, volume setting.	Ensure your iPhone's volume is set to maximum before playing DSD files. iOS typically uses DoP (DSD over PCM) up to DSD256, not native DSD512. Check your playback app settings.
Magnetic attachment not secure	Obstruction, phone case incompatibility, heavy headphone plugs.	Ensure the back of your phone and Tea Pro are clean. Use a MagSafe-compatible case. Note that some large 4.4mm plugs might cause slight lifting.
Device unresponsive	Software glitch, low battery.	Perform a soft reset by holding the Power button for an extended period (e.g., 10-15 seconds). Charge the device.

8. SPECIFICATIONS

Feature	Detail

Feature	Detail
Model Name	K1017
Dimensions	4.04 x 2.52 x 0.31 inches (102.6 x 64 x 7.85 mm)
Item Weight	96 Grams (3.39 ounces)
Material	Aluminum (CNC-machined shell), Wear-resistant leather back
DAC Chip	ESS ES9039Q2M
USB Chip	XMOS XU316-1024
Bluetooth Decoder	Qualcomm QCC5181
Max Sampling Rate (PCM)	768kHz/32-bit
Max Sampling Rate (DSD)	DSD512 (Native)
Headphone Outputs	3.5mm Single-ended, 4.4mm Balanced
Connectivity Technology	Wired (USB-C), Wireless (Bluetooth)
Bluetooth Version	5.4
Bluetooth Codecs	SBC, AAC, LDAC, aptX, aptX HD, aptX Adaptive
Battery Capacity	2100mAh
Battery Life (Wireless)	Up to 11 hours (Bluetooth AAC)
Battery Life (Wired)	Up to 8 hours (USB-C, 44.1kHz)
Display	0.95" AMOLED
Compatible Devices	Smartphones, Tablets, Computers (iOS, Android, Windows, macOS)
Control Method	Physical buttons, Khadas Audio App

9. WARRANTY & SUPPORT

The Khadas Tea Pro DAC Amp comes with a **1-year warranty** from the date of purchase. For any technical assistance, troubleshooting, or warranty claims, please contact Khadas Official Store customer support. We aim to respond to all inquiries within 24 hours.

Contact Information: Please refer to the contact details provided on the official Khadas website or your purchase platform for the most up-to-date support channels.

10. OFFICIAL PRODUCT VIDEO

Your browser does not support the video tag.

Video: Official product video for the Khadas Tea Pro, showcasing its features and benefits. This video provides a visual guide to the device's design, functionality, and how it enhances the audio experience.