



User Manual

Wireless Kids' Headphones
Cat KBT-39

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Dear Customer,

Thank you for choosing our products.

We are pleased to offer you appliances and devices designed and manufactured to the highest standards of quality, functionality, and design. Before using the device, please read this manual carefully. It contains important information regarding your safety, as well as recommendations for the proper use and care of the product. Please keep this manual in a safe place and use it as a reference guide during future operation of the product.

Intended Use

The headphones are a device for personal listening to music, speech, or other audio signals. The wireless headphones are equipped with Bluetooth wireless technology.

Safety Precautions

- Do not disassemble the device yourself. These headphones contain no user-serviceable parts.
- Protect the device from moisture and extreme temperatures.
- To prevent short circuits, do not allow the device to come into contact with any liquids, and do not place open containers of liquid near it.
- Use only original accessories.
- Do not expose the device to electromagnetic radiation.
- This device is not intended for commercial use.
- To avoid hearing damage, use the headphones only at safe volume levels.

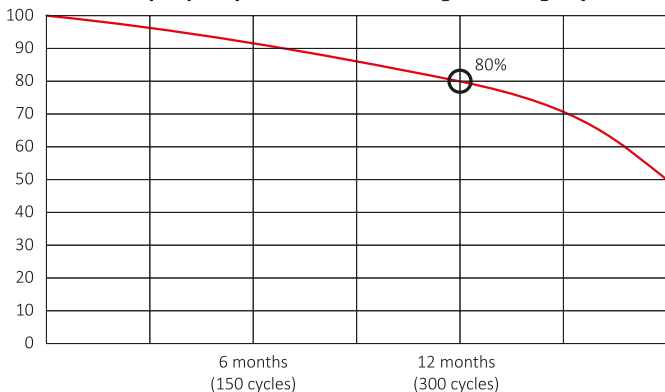
Rechargeable Battery Guidelines (Li-pol/Li-ion)

Dear Customer, please note that this device uses a lithium-based rechargeable battery as its power source. Please carefully read the information below to help extend the life of your battery and prevent undesirable consequences during its operation.

Battery Capacity and Charge-Discharge Cycles

During prolonged storage and use, the rechargeable battery (hereinafter referred to as «the battery») tends to lose its charge and capacity. After 300 charge-discharge cycles (approximately one year of device use), the battery capacity may decrease to 80% of its nominal value. After 400 charge-discharge cycles, the battery capacity may decrease to 60% of its nominal capacity. Partial capacity reduction within these limits and time frames is natural battery wear and is not considered a defect.

Battery Capacity and Number of Charge-Discharge Cycles



Natural Battery Wear

The battery loses charge even when stored separately from the device. The self-discharge rate is approximately 5% per month. Due to their design, batteries are not durable and constantly degrade regardless of whether they are in use. This degradation accelerates at higher temperatures and when the charge level deviates from the «optimal» storage level, which is generally considered to be 40%. In other words, if the battery is not in use, it is advisable to keep the charge level between 40% and 50%.

Use Only the Original Charger

The battery's charge and discharge capability is controlled by its built-in Battery Management System (BMS). Forced «fast charging» modes using external chargers for Li-ion batteries are strictly not recommended, as charge and discharge currents are limited. Li-ion batteries do not have a so-called «memory effect». You can start charging or discharging the battery from any charge level.

Most devices have charge and discharge limits—the controller may prevent the battery charging if, for example, the charge is already above 90%. It will also prevent the battery from fully discharging, protecting the cells from damage. Even if the device is powered by the electrical grids, the Li-ion battery should undergo a full charge/discharge cycle at least once a month (until the «low battery» warning appears). Never let the battery discharge completely. A Li-ion battery degrades quickly if stored in a discharged state for a prolonged period. If this happens, charge it immediately. If the battery remains in a discharged state for two weeks or more, irreversible capacity loss occurs in the cells, which will ultimately lead to battery failure.

Observe the Temperature Requirements

Batteries must be stored in a charged state at temperatures between +15 °C and +35 °C with normal humidity. Batteries do not perform well during prolonged operation in very high (above +40 °C) or very low (below -10 °C) ambient temperatures. Do not leave the battery in direct sunlight.

Do Not Disassemble, Burn, or Use Damaged Batteries

Under no circumstances should you attempt to disassemble the battery or charge its individual cells. For repair or maintenance, please contact an authorized service center. Puncturing or crushing the cells can cause an internal short circuit, leading to fire and explosion. Melting of lithium due to high temperatures can also cause an explosion. If the seal is broken, water or condensed atmospheric moisture can enter the cell, potentially triggering a reaction that releases hydrogen and causes a fire. You can check the current battery status using the battery indicator, which is available on almost all devices (please check its location and operation method at the time of purchase).

CAUTION!

- Be careful — damaged batteries may release harmful substances.
- If the battery is replaceable (removable), and you discover problems with its performance, contact a service center (see the warranty period in the warranty information). If the battery is built-in (an integral part of the device), the warranty applies to the device itself. You should also contact a service center. The sooner you bring a malfunctioning battery in for repair, the more likely it can be restored with minimal cost.
- Battery operating time depends on many other factors, and the actual operating time may differ from the stated value.
- Rechargeable batteries have a limited number of charge cycles and may eventually need replacement (see the limited warranty conditions for the battery in the warranty information). Battery operating time depends on the usage mode and settings.

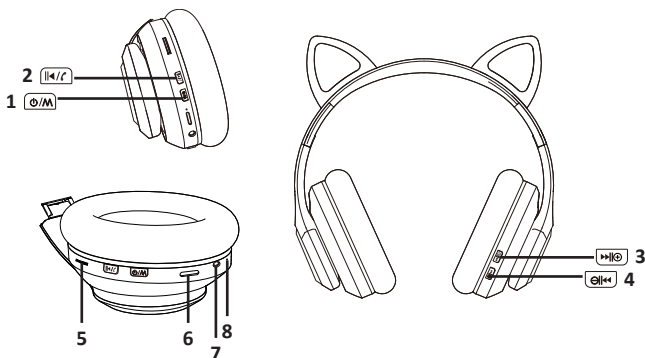
Specifications

- Model: KBT-39.
- Trademark: KENSHI.
- Driver diameter: 40 mm.
- Impedance: $32\ \Omega \pm 15\%$.
- Frequency range: 20 Hz — 20 kHz.
- Maximum volume level: 82 ± 3 dB.
- Microphone diameter: 4 mm.
- Microphone sensitivity: -42 dB.
- Microphone impedance: $\leq 2.2\ \text{k}\Omega \pm 15\%$.
- Microphone frequency range: 50 Hz — 16 kHz.
- Bluetooth version: 5.3.
- Frequency range: 2400–2480 MHz.
- Transmitter power: 6 dBm.
- Wireless standard: IEEE 802.15.
- Supported profiles: HSP, A2DP, AVRCP.
- Wireless range: Up to 10 m.
- Charging time: Up to 2 hours.
- Talk/Playback time:
 - Up to 11 hours with the backlight on.
 - Up to 20 hours with the backlight off.
- Audio cable length: 1 m.
- Charging cable length: 30 cm.
- Ports: 3.5 mm jack, microSD, USB-C (for charging).
- Battery: Li-ion, 3.7V, 400 mAh.
- Power supply: $5\ \text{V} = 1\ \text{A}$.
- Maximum supported memory card capacity: 128 GB.
- Supported audio format for memory card playback: MP3.
- TF/SD card file system: FAT16/32, exFAT.
- IP code: IPX0.
- Scope of application: Domestic.

Package Contents

- Device.
- USB-A to USB-C charging cable.
- 3.5 mm jack audio cable.
- User manual.

Device Diagram



1. Power/Factory Reset Button.
 - Press and hold for 3 seconds to turn on. The indicator will light up blue.
 - Press and hold for 5 seconds to turn off. The indicator will light up red, then turn off.
 - Before pairing with a Bluetooth device, press 5 times to perform a factory reset (clearing the pairing history).
2. Function Button.
 - Press 3 times to turn the backlight on/off.
 - Press to start/pause playback, answer a call, or end a call.
 - Press twice to redial the last number.
 - Press and hold for 2 seconds to reject an incoming call.
3. Volume Up / Next Track Button.
 - Press to skip to the next track.
 - Press and hold to increase the volume.
4. Volume Down / Previous Track Button.
 - Press to skip to the previous track.
 - Press and hold to decrease the volume.
5. TF/SD Card Slot.
6. USB-C Port.
7. 3.5 mm AUX Jack.
8. LED Indicator.

Operating Instructions

Pairing

- For first-time pairing, turn on the headphones, search for available devices in the Bluetooth menu on your device, and select «Kenshi Cat» from the list.
- Once connected, the LED indicator will start flashing blue slowly.
- If Bluetooth is turned off on the connected device, the headphones will re-enter pairing mode, and the indicator will start flashing blue and red. Enable Bluetooth on another device and connect to the headphones.
- The next time the headphones are turned on, the indicator will flash blue and red while they automatically reconnect to the last paired device.

Playback via AUX

To switch to AUX mode, plug one end of the included 3.5 mm audio cable into the headphones, and the other end into a mobile device or computer. Bluetooth mode will turn off automatically.

Playback from a Memory Card

- While the headphones are off, insert a TF/SD card into the corresponding slot. Once turned on, the device will automatically switch to SD mode and start playback.
- While the headphones are on, insert a TF/SD card into the corresponding slot — the device will automatically switch to SD mode and start playback.

Charging the Device

- Turn off the headphones before charging.
- Do not charge the headphones while using them.
- Use only the included cable to charge the battery.
- Plug one end of the charging cable into the headphones' charging port, and the other end into a PC or charger.
- The LED indicator glows red while charging and turns blue once charging is complete.

Troubleshooting Guide

Issue	Solution
No power	Charge the headphones using the included cable
No sound in Bluetooth mode	Make sure the connected Bluetooth device supports the A2DP profile. Reconnect the Bluetooth device
The Bluetooth device won't reconnect	Go to the Bluetooth settings menu on the connected device, select «Kenshi Cat», and tap «Forget». Then pair again, following the instructions
The buttons on the headphones don't work	Turn off the headphones, then turn them back on after a few seconds. Make sure Bluetooth is enabled on the connected device
Poor sound quality	Make sure the headphones are charged. Make sure you are within 10 m of the connected Bluetooth device

Rules and Conditions for Installation, Storage, Transportation, Sale (Distribution), and Disposal

- This device requires no assembly or mounting.
- The device must be stored in its original packaging, on heated premises, both at the manufacturer's and at the consumer's sites. The ambient temperature should be between +5 °C and +40 °C, and the relative humidity should not exceed 80% (non-condensing). The storage area must be free from aggressive contaminants (e.g., acid or alkali vapors) that could cause corrosion.
- The device must be transported in a dry place.
- The device requires careful handling. Protect it from exposure to dust, dirt, impact, moisture, fire, and other hazards.
- Sale or distribution of the device must be carried out in accordance with local legislation.
- Upon expiration of the device's service life, it must not be disposed of with unsorted household waste. Instead, it must be taken to an authorized collection point for electrical and electronic equipment for subsequent recycling and disposal in accordance with federal or local legislation. By ensuring proper disposal of this product, you help conserve natural resources and prevent potential harm to the environment and human health that may result from improper handling. For more detailed information about collection and disposal points for this product, please contact your local municipal authorities or your household waste disposal service.
- If a device malfunction is detected, immediately contact an authorized service center or dispose of the device.

Warranty Information

The manufacturer guarantees the device will function properly throughout the warranty period and be free from defects in materials and assembly. The warranty period commences on the date of purchase and applies to new products only. Warranty service includes free repair or replacement of defective parts that fail during the warranty period, provided the failure is not caused by consumer misuse and the product is operated in accordance with the user manual. Repairs or part replacements shall be performed at authorized service centers.

Warranty Period: 12 months

Service Life: 24 months

For the up-to-date list of authorized service centers, please visit:

<https://www.dns-shop.ru/service-center/>

Additional Information

Manufacturer: Shenzhen D-fast Technology Co., Ltd.

301, No. 2, Langwei South Third Lane, Liulian Community, Pingshan Street, Pingshan District, Shenzhen, Guangdong, China.

Made in China.

The product meets the requirements of the technical regulations of the TR CU (EAEU).

Product specifications, information and appearance are subject to change without prior notice, for quality improvement of our products.



Production date (mm.yyyy): _____ v.1

