

User Manual

Wireless Headphones
BT-046

DEXP

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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

Headphones are a device for personal listening to music, speech, or other audio signals.

Safety Precautions

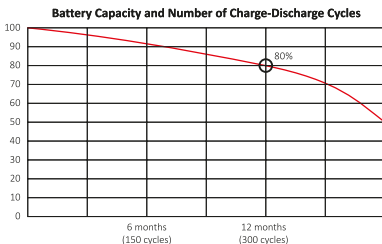
- Do not make any modifications to the device's design.
- To avoid a short circuit, do not expose the device to any liquids, and do not place open containers of liquid near it.
- Do not expose the device to electromagnetic radiation.
- To avoid hearing damage, use the earphones at safe volume levels.
- In case of overheating, stop using the device.
- Do not use the device in environments with high humidity.
- Do not use accessories that are not recommended by the manufacturer.
- Do not disassemble the device yourself to avoid electric shock. This device contains no user-serviceable parts. Maintenance and repairs should only be performed by qualified technicians at an authorized service center.
- This device is not intended for commercial use.
- This device is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the device.

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.



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 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.

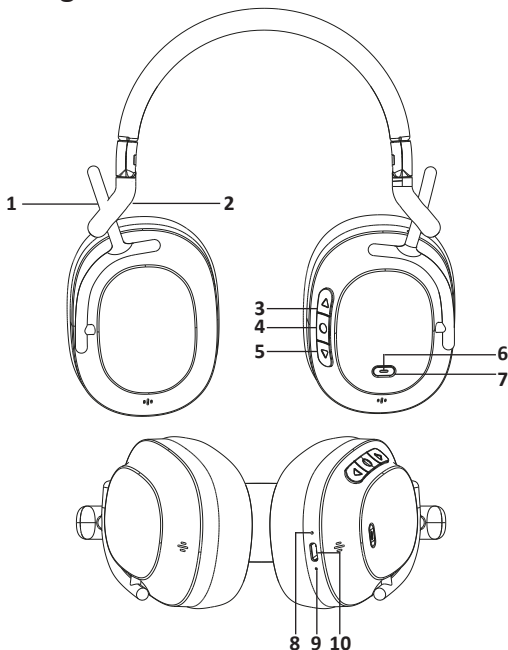
Specifications

- Model: BT-046.
- Trademark: DEXP.
- Bluetooth version: 6.0.
- Bluetooth specifications:
 - Wireless standard: IEEE 802.15.1.
 - Frequency range: 2402–2480 MHz.
 - Transmitter power: < 10 mW.
 - Bluetooth range: Up to 10 meters.
- Power supply: 5 V = 1 A.
- Battery capacity: 1000 mA·h.
- Battery type: Li-pol.
- Charging time: 4 hours.
- Battery life: 60 hours (at 100% volume) and 70 hours (at 60% volume).
- Ear cushion dimensions: 79 × 100 mm.
- Driver diameter: 40 mm.
- Sensitivity: 105 dB.
- Speaker impedance: 32 Ω.
- Charging port: USB Type-C.
- Cable length: 1.2 m.
- Microphone: Yes.
- Device connection port type: Type-C.
- Scope of application: Domestic.

Package Contents

- Headphones.
- Type-C (m) – Jack 3.5 (m) cable.
- Type-A (m) – Type-C (m) cable.
- User manual.

Device Diagram



1. Adjustable swivel holder.
2. Folding headband hinge.
3. Volume up (short press) / Next track (long press).
4. Multifunction button:
 - Long press — turn device on/off / reject incoming call.
 - Short press — pause / answer/end a call.
 - 2 presses — activate voice assistant.
 - 5 presses — switch between modes (Music / Game).
5. Volume down (short press) / Previous track (long press).
6. Device status indicator.
7. Equalizer button (short press — switch equalizer modes).
8. Microphone.
9. Charging indicator.
10. Type-C port: for charging (Type-A to Type-C cable); for wired playback (Type-C to 3.5 mm jack cable).

Operating Instructions

Turning the device on/off

To turn the device on/off, press and hold the multifunction button for a few seconds.

Note: After power-on, the headphones will automatically connect to the last used device.

Pairing with a Device

First-time Pairing

1. Press and hold the multifunction button — the device will enter pairing mode. The status indicator will start flashing white.
2. Activate Bluetooth on your device.
3. Select these headphones from the list of available devices.
4. After successful connection, a tone will sound and the indicator will turn solid white.

Re-pairing

1. Turn off Bluetooth on your device — a tone will sound, and the headphones will automatically enter pairing mode.
2. Activate Bluetooth on another device.
3. Select these headphones from the list of available devices.
4. After successful connection, a tone will sound and the indicator will turn solid white.

Note: If pairing is not established within 5 minutes, the device will automatically turn off.

Resetting the Pairing

This function allows you to disconnect the current Bluetooth connection and free the headphones for connection to another device. To do this, press and hold the volume up and volume down buttons simultaneously for 3 seconds — the headphones will enter pairing mode and will no longer automatically connect to that specific device.

To reconnect to that device again, repeat the steps above.

Mode Control

The headphones have two main modes: Music and Game.

In Game mode, signal latency between the source device and the headphones is reduced to a minimum.

To switch between modes, press the multifunction button 5 times in a row.

Music Control

- To increase/decrease the volume, use the corresponding buttons.
- To skip to the next track, press and hold the volume up button for a few seconds.
- To go to the previous track, press and hold the volume down button for a few seconds.
- To start/pause music playback, press the multifunction button.

Call Control

- To answer an incoming call, press the multifunction button. To end the call, press the button again.
- To reject an incoming call, press and hold the multifunction button for a few seconds.

Equalizer

A total of 7 modes are available:

- Rock.
- Pop.
- Classic.
- Jazz.
- Country.
- Bass (boosted bass).
- Normal.

To select the desired mode, press the equalizer button during music playback.

Voice Assistant

To activate the voice assistant, press the multifunction button twice.

Wired Connection Mode

Connect the end of the cable with the Type-C connector to the headphones, and the end with the 3.5 mm jack connector to the audio jack of your device.

Notes:

- If the headphones were turned on when the 3.5 mm jack cable was connected, Bluetooth mode will automatically turn off.
- To re-enable Bluetooth mode, unplug the cable from the headphone jack.
- The call function is not supported in wired connection mode.
- The headphones will not work while charging. Allow them to fully charge before continuing to use them.

Device Status Indicator

Device State	Indicator
Pairing mode	Indicator flashes white
Standby mode	Indicator lights up white
Operating mode	Indicator is off

Charging Indicator

Charging Status	Indicator
Device is charging	Indicator lights up red
Device is fully charged	Indicator lights up blue

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: Shantou Yongle Style Industrial Co., Ltd.

Gounan Industrial District, Gurao Town, Chaoyang District, Shantou City, 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

