

User Manual

Portable Speaker
DPS-510

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

The portable speaker is designed for playing music, including in places without access to a power source.

Safety Precautions

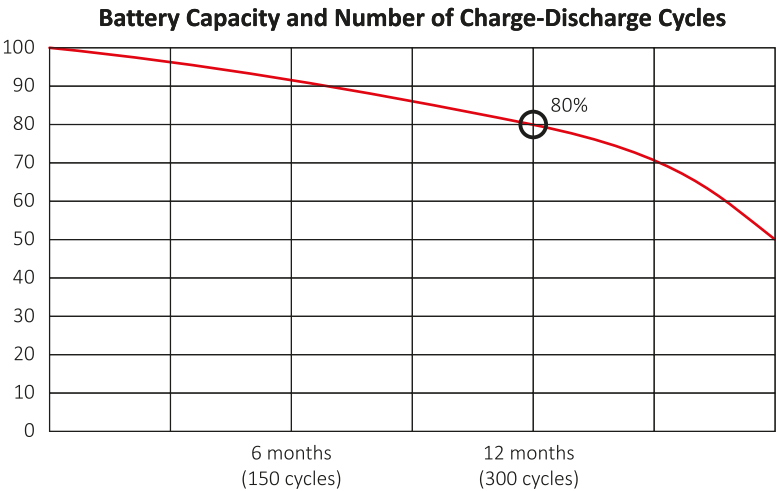
- Do not disassemble the device yourself to avoid electric shock. This device contains no user-serviceable parts. Maintenance and repairs should only be performed by qualified technicians at an authorized service center.
- Unplug the device from the power source when not in use.
- Do not touch the device, plug, or power cord with wet hands.
- Always turn off the device before unplugging it. To disconnect, grasp the plug — do not pull the cord itself.
- Do not allow small objects (needles, pins, coins) or insects to enter the device through the openings.
- Protect the device from water, any liquids, moisture, extreme temperatures, dust, and dirt. Do not install the device in areas with high humidity or dust.
- Do not install the device in areas with high humidity or dust. Do not place containers with liquids (vases, glasses, bottles, etc.) on or near the device.
- Protect the device from overheating. Do not place it near powerful heat sources (heating appliances, etc.) or expose it to direct sunlight.
- Do not use benzene-based substances, alcohols, or solvents to clean the device, as they may damage the device and its painted surfaces. To clean the device, use only a soft, dry cloth.
- To avoid damaging the device and to prevent electric shock, use only undamaged connectors for connection.
- 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.
- Use the device only for its intended purpose.
- This device is not intended for commercial use

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

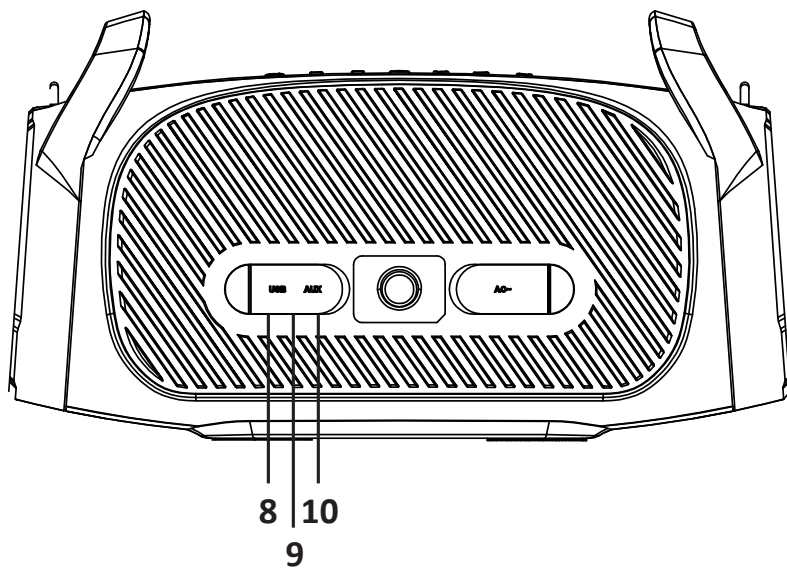
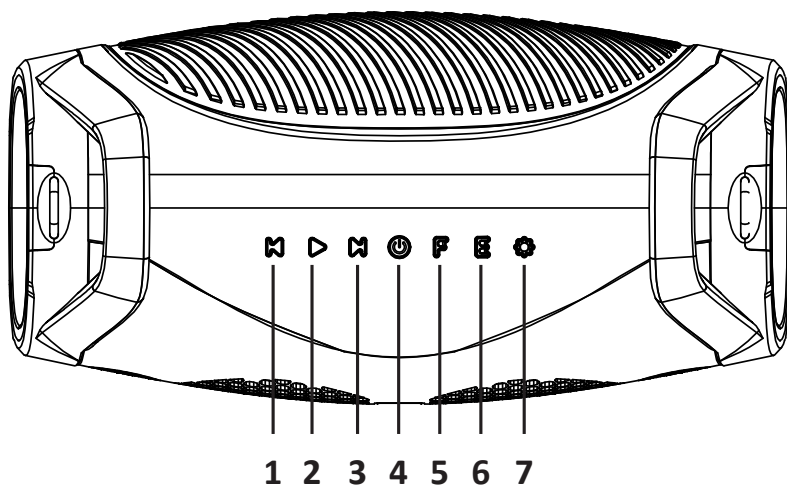
- Model: DPS-510.
- Trademark: DEXP.
- RMS output power: 60 W.
- System format: 2.0.
- Woofer: 101 mm / 4", 4 Ω × 2.
- Tweeter: 20 mm / 0.78", 6 Ω × 2.
- Frequency response: 50 Hz – 20 kHz.
- Signal-to-noise ratio: ≥ 85 dB.
- THD: $\leq 1\%$.
- Bluetooth version: 5.3.
- Bluetooth specifications:
 - Wireless standard: IEEE 802.15.1.
 - Frequency range: 2400–2483.5 MHz.
 - Transmitter power: 11 dBm.
- Bluetooth profiles: A2DP, AVRCP.
- Range: 10 m.
- TWS function support: Yes.
- AUX linear input: Yes.
- Charging connector: Type-C.
- USB connector for media playback: Yes.
- File format: MP3.
- Supported file systems: FAT12, FAT16, FAT32.
- Maximum supported storage capacity: 32 GB.
- Power supply: 9 V = 2 A.
- Built-in battery:
 - Type: Li-ion.
 - Capacity: 4000 mA·h.
 - Voltage: 11.1 V.
- Battery life at maximum volume: Up to 4 hours*.
- Battery life at medium volume: up to 6 hours*.
- Charging time: up to 3 hours.
- IP code: IP54.
- Dimensions: 470 x 236 x 258 mm.
- Weight: 4450 g.
- Protection class: III.
- Scope of application: Domestic.

Package Contents

- Speaker.
- USB Type-C cable.
- Jack 3.5 mm — Jack 3.5 mm cable.
- User manual.

* Playback time depends on the music volume level and the quality of the music being played.

Device Diagram



1. Button «  »:
 - Press once to decrease the volume during playback.
 - In USB/Bluetooth mode, press and hold to go to the previous track.
2. Button «  »:
 - Press to play/pause.
 - In Bluetooth mode, press and hold to disconnect Bluetooth pairing.
3. Button «  »:
 - Press once to increase the volume during playback.
 - In USB/Bluetooth mode, press and hold to go to the next track.
4. Power button:
 - Press to turn on the device.
 - Press and hold to turn off the device.
5. Button « **F** »:
 - Press to select the connection method (Bluetooth/USB/AUX).
 - Press and hold to turn TWS mode on/off.
 - Press and hold for 10 seconds to reset the device to factory settings.
6. Button « **E** »:
 - Press to switch between equalizer modes:
ROCK/POP/BASS/FLAT/CLASSIC/JAZZ.
7. Button «  »:
 - Press to turn the backlight on/off.
 - Press and hold to turn the multi-connect function on/off.
8. USB Type-C charging connector*.
9. AUX connector*.
10. USB Type-A connector*.

* To access the ports, open the flexible cover.

Operating Instructions

Charging

Connect the device to a power source using the Type-C cable. While charging, the power button indicator glows red. When charging is complete, the indicator turns off.

CAUTION: If you do not plan to use the device for an extended period, charge it fully and recharge it once a month to prevent battery life reduction.

Bluetooth Pairing

1. Press the «F» button to switch to Bluetooth mode. A tone will sound.
2. Activate Bluetooth on your mobile device.
3. Select “DEXP DPS-510” from the list of available Bluetooth devices.
4. Tap the device name to establish the connection. On successful connection, the speaker will emit a tone.
5. Press and hold the «F» button to disconnect the connection.

TWS Function

This model supports TWS, which allows you to connect two speakers of this model for left and right channel playback. To do this:

1. Turn on both speakers and switch them to Bluetooth mode.
2. Activate Bluetooth on your mobile device and connect one of the speakers. This will be the primary speaker.
3. Simultaneously press and hold the «F» buttons on both speakers for a few seconds. A short tone will sound, and the speakers will start pairing.
4. On successful pairing, a tone will sound.
5. Press and hold the «F» button to disconnect the TWS connection between the speakers.

Note: Before connecting via TWS, make sure the second speaker is not connected to other devices.

This model also supports simultaneous connection of more than two speakers of the same model. To do this:

1. Place all speakers of this model in the same room.
2. Turn on all speakers and switch them to Bluetooth mode.
3. Activate Bluetooth on your mobile device and connect one of the speakers by tapping its name — “DEXP DPS-510”. This will be the primary speaker.
4. Press and hold the «» button on the primary speaker until a tone sounds.
5. Repeat steps 3–4 for the remaining speakers. These will be secondary speakers.
6. After that, the speakers will start pairing. Music will play on all speakers simultaneously.
7. All speakers are controlled from the primary speaker.
8. To disable this function, press and hold the «» button on the primary speaker. Repeat this action for the remaining speakers.

AUX Music Playback

1. Press the «F» button to switch to AUX mode. A tone will sound.

2. Insert the AUX cable into the corresponding port on the speaker and the other end into your source device.
 3. Control the speaker from the source device.
- CAUTION:** Before connecting, turn off the speaker to avoid noise when connecting the AUX cable.

USB Music Playback

Note: Before connecting, make sure the USB drive contains files in MP3 format supported by the speaker.

4. Insert the USB drive into the corresponding port on the speaker.
5. Press the «F» button to switch to USB mode. A tone will sound.

CAUTION: The USB port supports file reading only and does not support charging.

Troubleshooting Guide

Issue	Solution
The device does not turn on	Check the battery level
	Make sure the Type-C cable is properly connected
No sound or sound is too quiet	Check the volume level on the speaker and the signal source. Increase the volume if necessary
	Check that the signal source is correctly connected to the speaker
Sound distortion	Adjust the volume directly on the signal source to the optimal level
The speaker is not responding	Disconnect the Type-C cable from the speaker and reconnect it. Turn on the speaker

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.
- Upon expiration of the service life of batteries supplied with the device, do not dispose of them with other household waste. Batteries must be disposed of in accordance with local waste recycling regulations to prevent potential environmental harm resulting from uncontrolled waste disposal.

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: Guangzhou Jie Li Electron Co., Ltd.

No.5 Xinkekejiayuanxing Road, Jiahe Street, Baiyun District, Guangzhou City, Guangdong Province, P.R.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



