aceline

User Manual

Portable Speaker
APS-100

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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

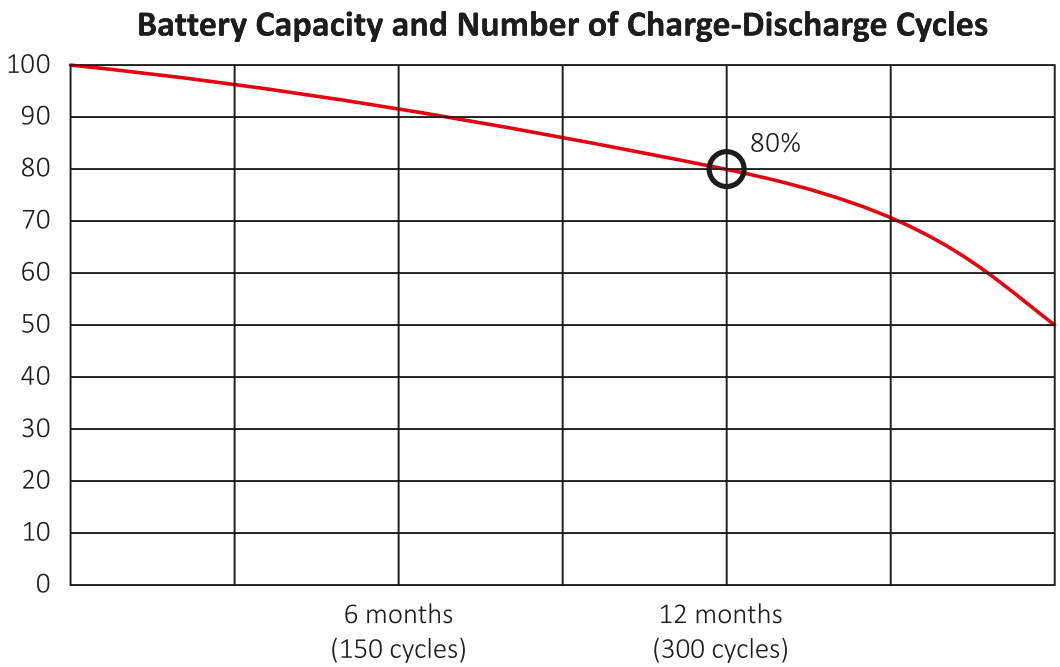
- Do not place the device near heat sources or open flame.
- Protect the device from exposure to excessively high or low temperatures, moisture, rain, and direct sunlight.
- Do not place the device on unstable or uneven surfaces.
- Do not disassemble the device yourself, to avoid electric shock. This device contains no user-serviceable parts. If you notice any malfunction or damage, immediately turn off the device and contact an authorized service center.
- Listening to music at high volume may harm your hearing.
- Do not immerse the device in water, and do not use it near water sources. If water enters the device housing, contact an authorized service center immediately.
- Protect the device from drops, impacts, and shaking, and prevent foreign objects from entering its housing.
- This device is not intended for commercial use.
- This device is not intended for use by children or persons with reduced physical, sensory, or mental capabilities, unless they are supervised by a person responsible for their safety. Do not allow children to 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 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.

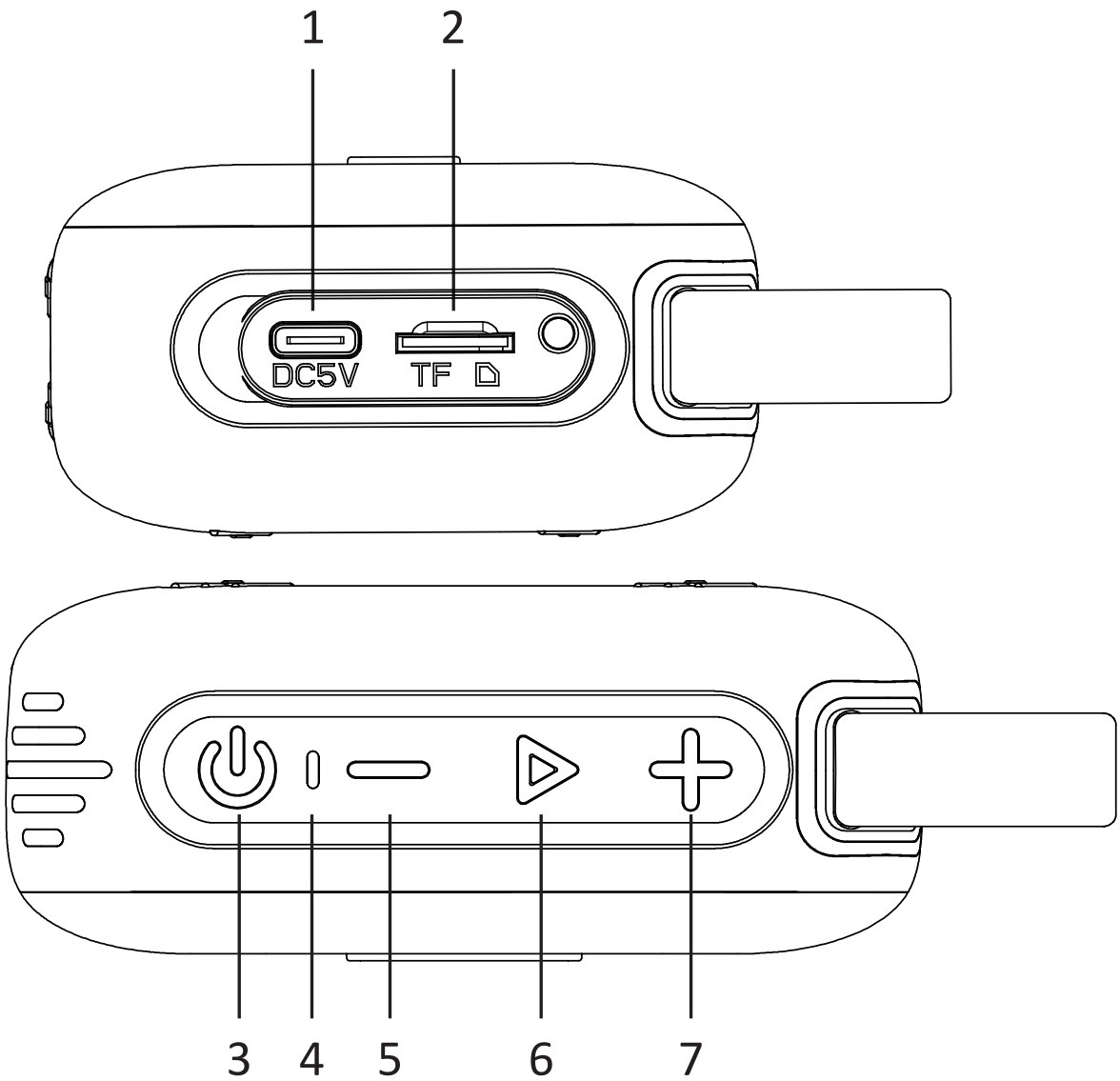
Specifications

- Model: APS-100.
- Trademark: Aceline.
- Power supply: 5 V ⎓ 2 A.
- IP code: IPX7.
- Protection class: II.
- Battery: Li-ion, 1000 mAh, 3.7 V.
- Charging time: 4 hours.
- Battery life at maximum volume: 3 hours.
- Battery life at medium volume: 5 hours.
- RMS output power: 5 W.
- Signal-to-noise ratio: > 65 dB.
- Frequency range: 20 Hz – 20 kHz.
- Number of channels: 1.
- Number of speakers: 1.
- Midrange driver diameter: 45 mm.
- Midrange driver impedance: 4 Ω.
- Bluetooth version: 5.3.
- Bluetooth codecs: SBC.
- Bluetooth profile: A2DP, AVRCP.
- Bluetooth range: 10 m.
- Supported audio formats: MP3.
- Supported file systems: FAT16, FAT32, FAT12.
- Maximum memory card capacity: 64 GB.
- Charging port type: Type-C.
- TWS function support.
- microSD slot for media playback.
- Scope of application: Domestic.

Package Contents

- Device.
- USB Type-C cable.
- User manual.

Device Diagram



1. Type-C charging port.
2. microSD card slot.
3. Power button.
4. LED indicator.
5. «Volume– / Previous Track» button.
6. Play/Pause button.
7. «Volume+ / Next Track» button.

Operating Instructions

Charging

The speaker must be charged while turned off. Plug one end of the included charging cable into the speaker's USB Type-C port, and the other end into a computer's USB port or a wall charger (not included). The LED indicator will glow red while charging. Once charging is complete, the indicator will turn off.

Turning the Power On/Off

Press and hold the power button to turn the speaker on or off.

Adjusting the Volume

Press and hold the «Volume+»/»Volume–» button to increase or decrease the playback volume.

Adjusting the Backlight

To change the backlight mode, press the power button twice (3 modes available in total).

Phone Calls

Press the «Play/Pause» button to answer an incoming call. Press the same button again to end the call.

microSD Mode

- Turn on the speaker and insert a microSD card into the corresponding slot — playback will start automatically.
- Press the «Play/Pause» button to stop or resume playback.
- Press and hold the corresponding buttons to skip to the next track or return to the previous track.

Bluetooth Mode

1. Turn on the speaker — it will automatically enter Bluetooth mode.
2. Place the speaker near the source device.
3. Enable Bluetooth on the source device and select the speaker from the list of available devices to pair.
4. If a pairing password is requested, enter «0000».
5. Once pairing is complete, you can start playback.

Notes

- To pause or resume playback, press the «Play/Pause» button.
- To skip to the next track or return to the previous track, press and hold the corresponding buttons.
- The speaker can only play audio from one source at a time.
- Pairing cannot be broken while playback is in progress.
- If pairing fails, disable Bluetooth on the source device, restart the speaker, and search for available devices again.

TWS Mode

If you have two speakers of the same model (APS-100), you can activate TWS mode, which links the speakers together for stereo sound (the same audio plays from both speakers simultaneously).

1. Turn on both speakers — they will automatically enter Bluetooth mode, accompanied by a beep.
2. Press and hold the «Play/Pause» button on one of the speakers until a beep confirms that TWS mode has been activated.
3. Enable Bluetooth on the source device and select the speaker from the list of available devices to pair — a beep will sound, confirming that pairing is complete.
4. Once pairing is complete, you can start playback.

Note: To exit TWS mode and listen to music from a single speaker only, press and hold the «Play/Pause» button.

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: 18 months

For the up-to-date list of authorized service centers, please visit:
https://www.dns-shop.ru/service-center/

Additional Information

Manufacturer: CHINAOWL (DONGGUAN) CO.,LTD.
Room 208, Building 1, No.6, Yuanfeng Road, Baihao Community, Houjie Town, Dongguan City, Guangdong Province, 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

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