User Manual

Microphone
DMS-25A

DEXP

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Dear Customer,

Thank you for choosing our products.
We are pleased to offer you products and devices designed and manufactured to the highest standards of quality, functionality, and design. Before using the product, 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 microphone is an electroacoustic device designed to convert acoustic vibrations into an electrical signal.

Safety Precautions

- Never expose the device to running water or immerse it in water.
- Keep the device away from heat sources and direct sunlight.
- The microphone is a sensitive device. Protect it from drops, impacts, and other damage that may reduce recording quality.
- Use only original accessories.
- Do not open or attempt to repair the device yourself. Maintenance and repairs must only be performed by qualified personnel at an authorized service center.
- The device is not intended for use by children or persons with reduced physical, sensory, or mental capabilities unless supervised by a person responsible for their safety. Do not allow children to play with the device.
- The device is not intended for commercial use.

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

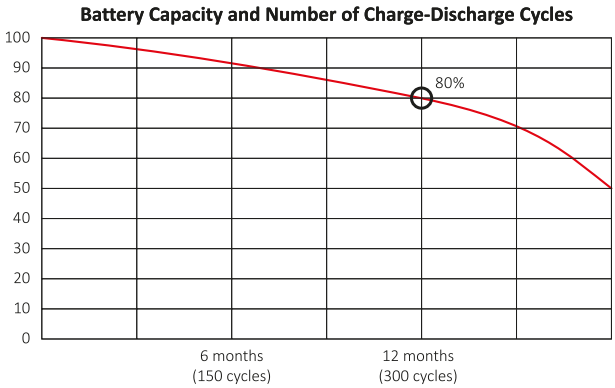
Dear Customer, please note that this device uses a lithium-based rechargeable battery as its power source. Please carefully read the information below to help extend the life of your battery and prevent undesirable consequences during its operation.

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, rechargeable batteries have a limited service life and gradually 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 from the mains, 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.

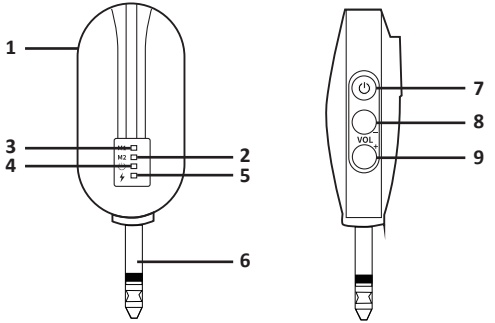
Puncturing or crushing the cells can cause an internal short circuit, leading to fire and explosion. Melting of lithium due to high temperatures can also cause an explosion. If the seal is broken, water or condensed atmospheric moisture can enter the cell, potentially triggering a reaction that releases 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 a malfunctioning battery is taken in for repair, the better the chances of restoring it at 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.

Device Diagram

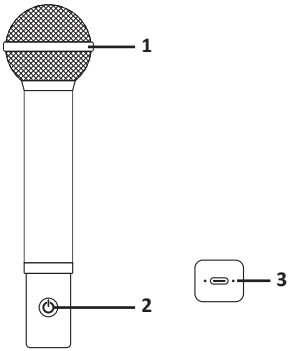
Receiver



1. USB Type-C charging port.
2. Second microphone connection indicator.
3. First microphone connection indicator.
4. Power indicator.
5. Charging indicator.
6. 6.3 mm jack plug.
7. Power button.
8. «Volume Down» button.
9. «Volume Up» button.

Microphone

1. Microphone capsule with windscreen.
2. Power button / Indicator.
3. USB Type-C charging port.



Operating Instructions

Turning the Devices On/Off

- Press and hold the microphone's **Power** button for 2 seconds to turn it on or off. The microphone indicator lights up when the microphone is turned on and goes out when it is turned off.
- Press and hold the receiver's **Power** button for 2 seconds to turn it on or off. The receiver's «⏻» power indicator lights up when the receiver is turned on and goes out when it is turned off.

Pairing

- Turn on the microphone. Press its **Power** button 10 times in succession. When the indicator starts flashing rapidly, the microphone has entered pairing mode.
- Turn on the receiver. Press its **Power** button 10 times in succession. The connection indicator will begin flashing: orange «M1» for the first microphone or blue «M2» for the second. The receiver is now in pairing mode.
- The devices pair automatically. Once connected, all indicators stop flashing and remain lit.

Notes

- If you have paired only one microphone and want to add a second, first turn off the receiver. Then press the **Power** buttons on both microphones 10 times simultaneously to put both microphones into pairing mode. Turn on the receiver and press its **Power** button 10 times to enter pairing mode. The receiver will then pair with both microphones automatically.
- The «M1» and «M2» positions are not permanently assigned to specific microphones. The first microphone to connect to the receiver is identified as «M1».

Tips for Use

- To use the microphones, insert the receiver's 6.3 mm jack plug into the «MIC» or «LINE IN» input on a mixer, amplifier, or speaker.
- Do not point a microphone directly at a speaker. Aim it away from the speaker to reduce unwanted noise and interference.
- If you hear humming or whistling from the speaker, use the receiver's «VOL +/–» buttons to reduce microphone volume. Seven volume levels are available.

Charging

When the battery charge is low, the microphone indicator or receiver charging indicator flashes slowly in red.
Use the supplied charging cable to connect the microphone or receiver to a 5 V power source or power adapter. The indicator turns off when the battery is fully charged.
CAUTION! Do not use the device while it is charging.

Specifications

- Model: DMS-25A.
- Trademark: DEXP.
- Battery type: Li-Pol.
- Microphone type: Dynamic.
- Intended use: Vocals.
- Polar pattern: Cardioid.
- Impedance: 655 Ω.
- Signal-to-noise ratio: 95 dB.
- Wireless connection specifications (2.4G radio):
  - Standard: IEEE 802.15.
  - Frequency range: 2400–2483.5 MHz.
  - Transmitter power: < 10 mW.
- Audio connector: 6.3 mm jack.
- Charging port: USB Type-C.
- Sensitivity: −52 dB.
- Housing material: Metal.
- Scope of application: Domestic.

Package Contents

- Receiver with antenna.
- Microphones (2 pcs).
- Charging cable.
- Anti-slip pads (2 pcs).
- User manual.

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

- The device does not require installation or permanent 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 under dry conditions.
- 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: Enping Aidi Electronic Technology Co., Ltd.
5th Floor, F22 and F23, Zone F, Foreign and Private Investment Industrial Zone, Enping, Jiangmen, Guangdong Province, China.

Made in China.

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

Production date (mm.yyyy): _____V.1



