

User Manual

Portable Speaker
FR240

Fiero

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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

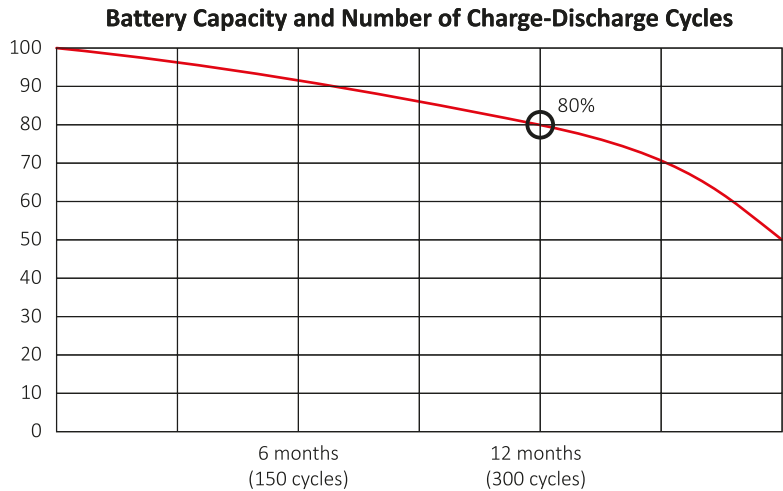
- Do not expose the device to electromagnetic radiation.
- Do not place the device or power cord near heating elements, gas burners, etc.
- Protect the device from moisture, dust, and extreme temperatures.
- Do not use the device near sources of water or other liquids. Never place the device under running water or immerse it in water.
- Protect the device from impacts, drops, vibrations, and other mechanical stress.
- Protect the device from foreign objects getting inside the housing to avoid damaging the device and harming the user's health.
- Do not place open flame sources near the device or directly on its housing.
- Place the device only on flat, stable surfaces.
- 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.
- Do not block the ventilation openings of the device.
- Do not use accessories that are not recommended by the manufacturer.
- Store and operate the device out of the reach of children.
- To avoid hearing damage, use the speaker at safe volume levels.
- Do not use the device after it has been dropped or if there is visible damage. Contact a service center.
- If any malfunctions are detected, immediately disconnect the device and contact an authorized service center.
- Do not use benzene-based substances, aerosols, alcohols, solvents, etc., to clean the device, as they may damage its components and painted surfaces. To clean the device, use only a soft, dry (or slightly damp) cloth.

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.

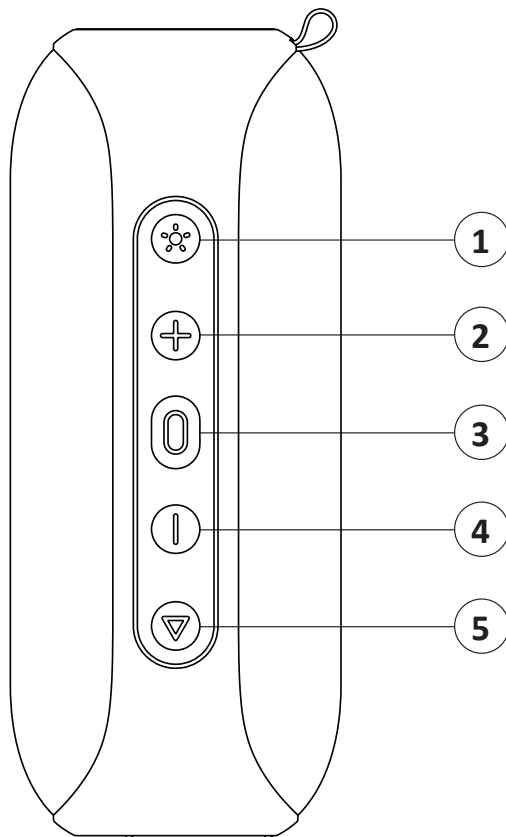
Do Not Disassemble, Burn, or Use Damaged Batteries

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).

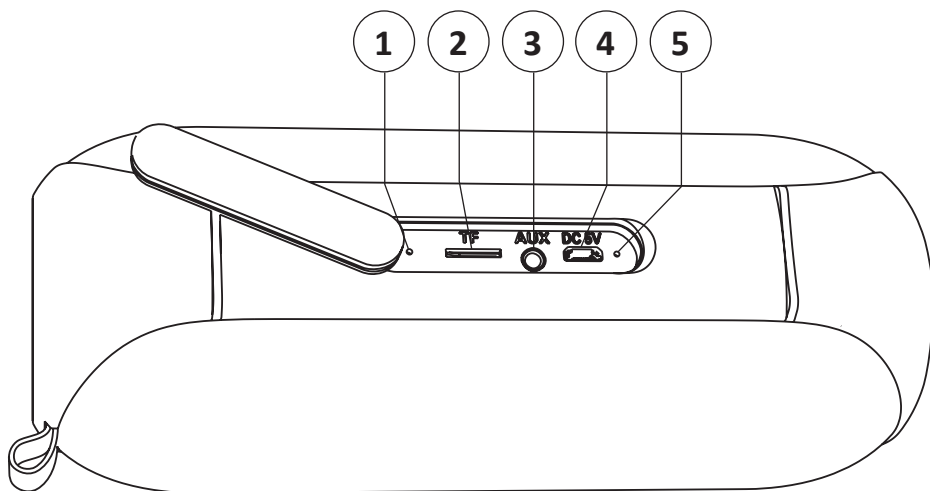
CAUTION:

- 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.

Device Diagram



1. Backlight mode switch button.
2. Volume up / Next track button.
3. Power on/off button.
4. Volume down / Previous track button.
5. Play / Pause button.



1. Device reset pinhole.
2. MicroSD memory card slot.
3. AUX line-in.
4. Type-C charging connector.
5. LED indicator.

Operating Instructions

Playback Control

- Power on: Press and hold the power button . A tone will sound, the speaker lighting will turn on, and the indicator light will start flashing. When connected in Bluetooth mode, the indicator light stays on solid.
- Power off: Press and hold the power button . A tone will sound, and the indicator light will turn off.
- Decrease the volume by pressing the button  repeatedly until the desired level is reached.
- Increase the volume by pressing the button  repeatedly until the desired level is reached.
- Previous track: Press and hold the button .
- Next track: Press and hold the button .
- Play / Pause: Press the button .
- Switch between **Bluetooth** > **AUX-IN** > **MicroSD** modes: Press the power button once.
- When an AUX cable is connected, the device will automatically switch to AUX-IN mode.
- When a MicroSD card is inserted, the device will automatically switch to **MicroSD** mode.
- Press the power button  once to switch modes manually.

Note: The device will automatically turn off after 10 minutes of inactivity.

Backlight Control

- Press the backlight mode button  to cycle through nine backlight modes.
- Double-press the backlight mode button  to turn the backlight on/off.

Charging the Device

Fully charge the device before first use. When the battery level drops below 3%, the device will automatically turn off. To charge the device, use the supplied Type-C cable. To extend battery life, fully charge the device at least once every 45 days.

Bluetooth Pairing

- Make sure the speaker is within Bluetooth range of the source device.
- Turn on your speaker “Fiero”. The device will enter Bluetooth pairing standby mode, and the indicator light will flash blue.
- Activate Bluetooth on your source device, and select **Fiero FR240** from the list of available devices. Follow the on-screen prompts.
- When pairing is complete, the indicator light will turn solid blue.
- To disconnect from the device, press and hold the button . The indicator will start flashing rapidly.

Note: When turned on, the speaker will automatically reconnect to the last paired device (the speaker can remember up to 8 devices).

Call Control in Bluetooth Mode

- Answer an incoming call: Press the button  once.
- Reject a call: Press and hold the button .
- End a call: Press the button  once.
- Call the last dialed number: Double-press the button .

AUX-IN Line Input

- Turn on the speaker and connect your mobile device to it using an AUX cable.
- When the cable is connected, the device will automatically switch to AUX mode.
- Control playback directly from the source device.

TWS (True Wireless Stereo) Function

TWS technology allows you to use two speakers paired via Bluetooth to create a wireless two-channel system with stereo sound.

1. To create a TWS connection, place two speakers within Bluetooth range.
2. Turn on both speakers, then press and hold the button  on one device for three seconds. This device will be the “Primary device” in the pair.
3. The LED lighting of both devices will synchronize, and the connection will be established automatically. The second speaker will be detected as the “Secondary device” and will act as the right audio channel.
4. After pairing is complete, the LED lighting will no longer remain synchronized.
5. To disconnect, press and hold the button  on the primary device for three seconds again.

System Reset

If the device is unresponsive, disconnect the charging cable, then insert a pin (diameter no more than 3 mm) into the reset hole until the indicator light turns off.

Water Resistance

This device meets the IPX7 waterproof standard. Products that meet this standard are protected against any weather conditions: raindrops and water jets do not harm the speaker; the device is also dust-proof and can be submerged in water for a limited time (conditionally, up to 1 meter deep for 30 minutes).

CAUTION: Before using the device in an environment where it may be exposed to water, disconnect all connected cables and make sure the port cover is firmly closed.

Specifications

- Model: FR240.
- Trademark: Fiero.
- Bluetooth version: 5.0.
- Bluetooth profiles: A2DP, AVRCP, HFP, HSP.
- Wireless standard: IEEE 802.15.2.
- Wireless frequency range: 2402–2480 MHz.
- Transmitter power: 2.5 mW.
- Bluetooth range: 10 m.
- IP code: IPX7.
- Battery life:
 - Without backlight: Up to 13 hours*.
 - With backlight: Up to 8.5 hours*.
- Charging time: 3.5 hours
- Speakers: 10 W × 2
- Frequency range: 60 Hz – 20 kHz
- THD: ≤10%.
- Signal-to-noise ratio: ≥75 dB.
- TWS support: Yes.
- AUX line input.
- Built-in microphone for call answering.
- Audio playback from TF / Micro SD memory cards.
- Maximum supported memory capacity: 32 GB.
- Number of backlight modes: 9.
- Power supply: 5 V, 2 A.
- Built-in battery: 7.4 B / 2000 mA·h.
- Device dimensions: 200 × 83 × 85 mm.
- Scope of application: Domestic.
- Package contents: Portable speaker, carabiner, AUX cable (3.5 mm jack to 3.5 mm jack), USB–Type C charging cable, user manual.

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

Troubleshooting Guide

Issue	Solution
The device does not turn on	Low battery
The speaker does not connect to the Bluetooth device	Make sure the connected device supports the A2DP profile
	Make sure the device is within the Bluetooth signal range
	Make sure the speaker is in pairing mode (the LED indicator is flashing blue)
No sound	Check the volume level on both devices
	Make sure the speaker is connected to the device (the indicator is solid blue)
Poor sound quality.	Move the device closer to the speaker and remove any possible obstacles

Note: If the steps described above do not resolve the issue, please contact an authorized service center.

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: Huizhou SHENKEXINFEI TECHNOLOGY CO., LTD. Building C Tangxia Area, Chanjing Village Xinxu Town, Huiyang District, Huizhou 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

Fiero