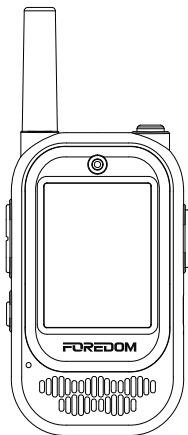


FOREDOM



User Manual

Wireless Video Walkie Talkies

FD310

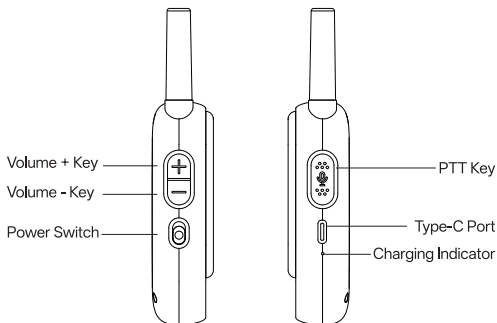
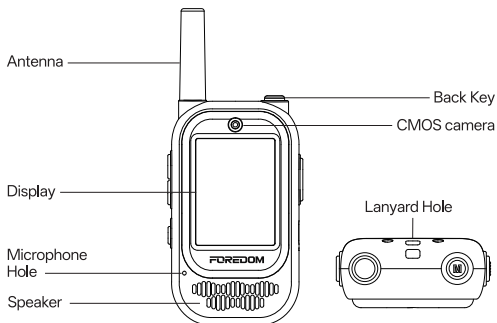
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Product



Start Guide

Power Switch

1. The power switch is in the OFF position when shipped from the factory.
2. Slide the switch up to turn the device on; slide it down to turn it off.
3. Before first use, ensure the battery is **fully** charged for the best experience.

Charging

1. Connect the device to a charger using the included Type-C charging cable.
2. The charging indicator **glows** red while charging.
3. The indicator automatically turns off when **fully** charged.
4. A 5V/1A charger is recommended.

CAUTION: Do NOT use fast chargers (QC, PD protocols, etc.) as they may damage the battery.

Video Call

Initiating a Call

1. After powering on, use the Up/Down keys to select the "Phone" icon.
2. Press the PTT key to initiate a **call** request.
3. The receiving party presses the PTT key to accept the request.
4. Once connected, press and hold PTT to speak; release PTT to hear the other party.

NOTE: Audio is transmitted via a one-way channel. The speaker must release the

Display Mode Switching

The device supports three display modes. During an active **call**, long press the "Up" key to cycle through modes:

- Other party's video (full screen)
- Both parties' video (split screen)
- Local video (full screen)

Volume Adjustment

Short press the "+" key to increase volume and the "-" key to decrease volume.

In the call interface, short press the volume keys to adjust the volume. In the chat dialog/camera/album interface, long press the volume keys for 2 seconds to adjust the volume.

Voice Changer

1. Press and hold the "M" key for approximately 2 seconds, then release to enter voice changer mode — press again to cycle through modes.

2. Four voice modes are available: Original, Monster, Kid Voice, and Robot.

NOTE: After the device is turned off and restarted, the voice changer resets to Original mode.

Message Functions

Use the Up/Down keys to select the "Message" icon, then press the PTT key to enter the message interface. The message screen supports sending stickers, voice messages, music, photos from the camera, and photos from the album.

• Stickers

1. Select "Stickers" and short press PTT to confirm.

2. A sticker list appears — use Up/Down keys to select a sticker.

3. Press PTT to send the selected sticker.

• Voice Messages

1. Select "Stickers" and short press PTT to confirm.

2. A sticker list appears — use Up/Down keys to select a sticker.

3. Press PTT to send the selected sticker.

• Message Playback

1. Long press the top "M" key for 2 seconds to jump focus to the message history screen.

2. Use Up/Down keys to select a historical message.

3. Press PTT to play voice messages, music, or enlarge received images.

• Music

1. Select "Music" and short press PTT to enter the music selection screen.
2. Use Up/Down keys to choose a song.
3. Press PTT to send the selected music.

• Photos from Camera

1. Select "Camera" and short press PTT to enter the camera interface.
2. Press PTT to take a photo — it will be sent automatically.

• Photos from Album

1. Select "Album" and short press PTT to enter the album.
 2. Use Up/Down keys to select a photo.
 3. Press PTT to send the selected photo.
- NOTE: The album must not be empty when sending photos from it.

Camera

1. Select the "Camera" icon and short press PTT to open the camera.
2. Short press PTT to take a photo — it saves automatically to the album.
3. Press M to exit the camera.

Photo Album

1. Select the "Album" icon and short press PTT to enter the album.
2. Use Up/Down keys to browse photos.
3. Press PTT to enlarge a photo. Press PTT or M again to exit zoom.
4. Press M to exit the album.
5. Select a photo, then long press the PTT key to pop up "Delete/Delete All". The default is single delete; use the Up/Down keys to switch between single delete

Auto Power-Off

The device enters normal operation after powering on. When the battery level is critically low, the device will automatically shut down to protect the battery. If the device will not be used for an extended period, manually slide the power switch to OFF to extend battery life.

Pairing & Connection

The FD310 Wireless Video Intercom uses proprietary 2.4GHz wireless transmission technology powered by the Bluetrum chip solution. Please note the following regarding pairing and connection:

1. This product uses proprietary 2.4GHz wireless transmission and is pre-paired before leaving the factory.
2. Each package contains two pre-paired intercoms — ready to use out of the box.
3. Paired devices cannot connect to other devices.
4. If purchasing multiple sets, use them in one-to-one pairs. Different sets cannot be mixed.

CAUTION: This product uses a dedicated pairing solution and does NOT support connection with standard Bluetooth devices such as headphones or smartphones.

Technical Specifications

Display	2.0" IPS LCD
Camera	0.3 MP CMOS
Wireless	2.4GHz Digital Wireless
Frequency Range	2402 ~ 2482 MHz
Receiving Sensitivity	-93.5 dBm
Battery	3.7V / 1000 mAh Li-Polymer
Battery Life	Up to 5 hours (standby)
Charging Method	Type-C USB, 500mA charging current
Charging Time	Approx. 2 hours
Charging Spec	5V / 1A
Operating Current	80 ~ 90 mA standby (peak 400 mA during call)
Standby Current	$\leq 5 \mu\text{A}$
Speaker	1W / 8Ω
Frequency Response	20 Hz ~ 20 KHz
Dimensions	125 mm × 54 mm × 24 mm
Net Weight	Approx. 70 g
Operating Temp.	-20°C ~ +60°C
Storage Temp.	-30°C ~ +70°C
Communication Range	150 ~ 300 meters (open area)
Package Contents	Intercom × 2 (paired), USB cable × 2, Lanyard × 2, Manual × 1

Warning

To ensure safe use of this product, please read and follow these precautions:

Operating Environment

- This product is designed for outdoor use.
- The device is NOT waterproof. Do not use in rain or humid environments.
- Avoid prolonged storage in high-temperature, high-humidity, or direct sunlight conditions.
- Do not use near strong magnetic fields or interference sources to avoid communication degradation.

Battery Safety

- Always use a 5V/1A charger for charging.
- Do not use fast-charging protocol chargers to avoid damaging the device.
- Do not dispose of the battery in fire or high-temperature environments.
- If storing long-term, fully charge the device and power it off; recharge every three months.

Usage Guidelines

- Do not disassemble or modify the device.
- Do not touch the screen or camera with sharp objects.
- Children must be supervised by an adult when using this device.
- Do not use this product where wireless devices are prohibited.

FCC Caution.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

***RF warning for Portable device:**

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

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Produktname: Kinder-Walkie-Talkie

Produktmodell: FD310

Manufacturer/Hersteller: Shenzhen FOREDOM Technology & Innovation Co.,Ltd.

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