

USER'S MANUAL

Model: FD666
Walkie Talkie



(EN)

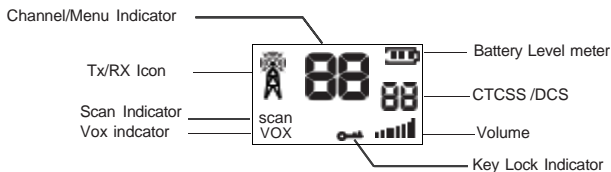
WARNINGS

Product safety and RF Exposure for two way radio:






Before using this two way radio, please read the manual which contains important operating instructions for safe usage, RF Energy Awareness, control information and operational instructions for compliance with RF Energy Exposure limits in applicable national and international standards, and also read the operational instructions for safe use.

Product







Start Guide

Basic radio operations

1. Press  to turn on.
2. Press MENU to enter the channel settings, the channel display pattern starts flashing, with / to select. Press PTT to confirm and exit.
3. Press MENU twice to enter the setting. OFF for no code, 01~38 for CTCSS code, 39-99 for DCS code.
4. Press MENU for 3 times to enter the Vox function selection. there are OFF, 1, 2, 3 these 3 gear sensitivity optional.
5. Press MENU for 4 times to enter the CALL tone selection function. They are 01 to 10 sounds available.
6. Press MENU for 5 times to enter the key tone selection function, select the button when the ON button will beep a tone, select the OFF button when there is no tone.
7. Press MENU for 6 times to enter the launch end of the tone selection function, with to select. select ON to release the PTT will have a tone, the opposite choice of OFF there is no tone.
8. Press MENU for 7 times and exit can also press PTT to confirm the exit menu.

Battery METER

| | |
|--|--|
|  | indicates that battery is fully |
|  | indicates that battery is LOW |
|  | The LCD appears  icon please replace batteries immediately. |



Charging the machine

1. Rechargeable battery is included in each unit;
2. An USB cable is included in the package.



Note:

The machine is equipped with a built-in 3.7V lithium battery, so you don't need to purchase a separate battery to use the machine directly. Please don't remove the rechargeable battery, and we recommend you always using an high quality AC charger for charging.

Tuning your Radio ON/OFF

1. To turn your radio ON ,press and hold  button 3 seconds .
2. To turn your radio OFF,press and hold  button 3 second again.

Adjusting the Volume

1. press the  button to increase the speaker volume.
2. press the  button to decrease the speaker volume.
3. The speaker volume level is indicated on the LCD nulll displayed(1~8 Level).

Setting a Channel

1. With the radio on, press **MENU** the current channel flashes.
2. Press **▲/V** to set the channel.
3. Press **PTT** to save the channel setting.

Talking and Listening

To communicate, all radio in your group must be set to the channel and interference Eliminator code.

To talk, press and hold **PTT** hold the radio 2-3 inches away from your mouth and speak directly into the microphone. Do not cover the microphone while talking.

When you finish speaking, release **PTT** (press to talk, release to listen).

Special Features

Interference Eliminator Code

Interference Eliminator Codes help minimize interference by providing you with a choice of code combinations. To set the code for a channel:

1. Press **MENU** until the code starts to flash.
2. Press **▲/V** to select the code 0-99 OR 99-0.
3. Press **PTT** to save the code setting.

You can set a different code for each channel using this procedure.

Note: You must set the Interference Eliminator Codes to 0 on an FRS radio that uses Interference Eliminator Codes to communicate with other FRS radios that do not have Interference Eliminator Codes.

TOT (TIME OUT Timer)

In order to prevent the use of the channel and save power, walkie-talkie has emission limit function, then the launch time is less than 180 seconds.

When reached the default time, the radio stops launching with "beep" tone.

Locking the Keypad

To avoid accidentally changing your radio settings, press **🔒** for 3 seconds or until **🔒** displays and there is a "beep" tone. You can turn the radio on and off, you can't adjust the volume, menu, and monitor channels. All other functions are locked.

To unlock the radio, press **🔒** for 3 seconds or until **🔒** is no longer displayed. And there is a "beep" tone.

Note: When locking, only the **PTT** and **🔒** are valid.

Setting and Transmitting Call Tones

Your radio can transmit different call tones to other radios in your group so you can alert them that you want to talk.

To set a call tone:

Your radio can transmit different call tones to other radios in your group so you can alert them that you want to talk. Your radio has 10 call tones from which choose.

1. Press **MENU** button until **🔔** icon appears. The current call tone setting will flash.
2. Press **▲/V** to change and hear the call tone.
3. Press **PTT** to save.

Voice Operated Transmission (Vox)



Transmission is initiated by speaking into the microphone of the radio instead of the pushing the PTT button.

Note: Note Level "N"(OFF) disables VOX Levels 1-3 set the sensitivity of the VOX circuit Use level 1 in quiet environments, and use level 3 in very noisy environments. You can find the appropriate sensitivity level by speaking into the microphone.


Scanning Channels

Enables your radio to scan for active channels .when activity is detected, your radio lands (stays) on that channel for 5 seconds. To transmit on that channel ends, your radio continues scanning to other channels.

To turn the channel scan ON:

- 1.Press and hold  to enter Scan mode.
- 2.press  or PTT to turn off Scan mode.

Note:

During scanning , press the /V key to change the direction of the scan.**Safety and General Information**

- 1.If you carry any kind of personal medical device, consult a doctor before use.
- 2.To avoid the risk of burns, do not use the device if the aerial is damaged in any way.
- 3.Never use the device in close proximity to a radio to avoid interference.
- 4.Position the transmitter and antenna at least 5 cm from your mouth.
- 5.The device cannot be used to contact the emergency services.

Technical specifications

| | |
|--------------------|--|
| Product number | FD666 |
| Channels | EU:16 US:22 |
| Sub-code | CTCSS:38+DCS:61 |
| Transmission Power | <=500mW |
| Channel spacing | 12.5KHz |
| Frequency | FRS:462.5500-467.7125MHz PMR:446.00625-446.19375MHz |
| Modulation Type | FM-F3E |
| Range | Up to 2 Km(Open field) |
| Battery | Li-ion Battery 3.7V |
| Overall dimensions | 152x60x36mm |

Warnings

RF ENERGY EXPOSURE AND PRODUCT SAFETY GUIDE FOR PORTABLE TWO-WAY RADIOS



ATTENTION!

Before using this radio, read this guide which contains important operating instructions for safe usage and RF energy awareness and control for compliance with applicable standards and regulations.

This two-way radio uses electromagnetic energy in the radio frequency (RF) spectrum to provide communications between two or more users over a distance. RF energy, which when used improperly, can cause biological damage.

All Retevis two-way radios are designed, manufactured, and tested to ensure they meet government-established RF exposure levels. In addition, manufacturers also recommend specific operating instructions to users of two-way radios. These instructions are important because they inform users about RF energy exposure and provide simple procedures on how to control it.

Please refer to the following websites for more information on what RF energy exposure is and how to control your exposure to assure compliance with established RF exposure limits:

<http://www.who.int/en/>

Local Government Regulations

When two-way radios are used as a consequence of employment, the Local Government Regulations requires users to be fully aware of and able to control their exposure to meet occupational requirements. Exposure awareness can be facilitated by the use of a product label directing users to specific user awareness information. Your Retevis two-way radio has a RF Exposure Product Label. Also, your Retevis user manual, or separate safety booklet includes information and operating instructions required to control your RF exposure and to satisfy compliance requirements.

Radio License

Governments keep the radios in classification, business two-way radios operate on radio frequencies that are regulated by the local radio management departments (FCC, ISSED, OFCOM, ANFR, BFTK, Bundesnetzagentur...). To transmit on these frequencies, you are required to have a license issued by them. The detailed classification and the use of your two radios, please contact the local government radio management departments.

Use of this radio outside the country where it was intended to be distributed is subject to government regulations and may be prohibited.

Unauthorized modification and adjustment

Changes or modifications not expressly approved by the party responsible for compliance may void the user's authority granted by the local government radio management departments to operate this radio and should not be made. To comply with the corresponding requirements, transmitter adjustments should be made only by or under the supervision of a person certified as technically qualified to perform transmitter maintenance and repairs in the private land mobile and fixed services as certified by an organization representative of the user of those services.

Replacement of any transmitter component (crystal, semiconductor, etc.) not authorized by the local government radio management departments equipment

authorization for this radio could violate the rules.

FCC Requirements:

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference. (Licensed radios are applicable); This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (Other devices are applicable)

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

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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

CE Requirements:

- (Simple EU declaration of conformity) Shenzhen Retevis Technology Co., Ltd. declares that the radio equipment type is in compliance with the essential requirements and other relevant provisions of RED Directive 2014/53/EU and the ROHS Directive 2011/65/EU and the WEEE Directive 2012/19/EU; the full text of the EU declaration of conformity is available at the following internet address: www.retevis.com.

- Restriction Information

This product can be used in EU countries and regions, including: Belgium (BE), Bulgaria (BG), Czech Republic (CZ), Denmark (DK), Germany (DE), Estonia (EE), Ireland (IE), Greece (EL), Spain (ES), France (FR), Croatia (HR), Italy (IT), Cyprus (CY), Latvia (LV), Lithuania (LT), Luxembourg (LU), Hungary (HU), Malta (MT), Netherlands (NL), Austria (AT), Poland (PL), Portugal (PT), Romania (RO), Slovenia (SI), Slovakia (SK), Finland (FI), Sweden (SE) and United Kingdom (UK).

For the warning information of the frequency restriction, please refer to the package or manual section.

- Disposal

The crossed-out wheeled-bin symbol on your product, literature, or packaging reminds you that in the European Union, all electrical and electronic products, batteries, and accumulators (rechargeable batteries) must be taken to designated collection locations at the end of their working life. Do not dispose of these products as unsorted municipal waste. Dispose of them according to the laws in your area.



IC Requirements:

Licence-exempt radio apparatus This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
- (1) l'appareil ne doit pas produire de brouillage;
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RF Exposure Information

- DO NOT operate the radio without a proper antenna attached, as this may damage the radio and may also cause you to exceed RF exposure limits. A proper antenna is the antenna supplied with this radio by the manufacturer or an antenna specifically authorized by the manufacturer for use with this radio, and the antenna gain shall not exceed the specified gain by the manufacturer declared.
- DO NOT transmit for more than 50% of total radio use time, more than 50% of the time can cause RF exposure compliance requirements to be exceeded.
- During transmissions, your radio generates RF energy that can possibly cause interference with other devices or systems. To avoid such interference, turn off the radio in areas where signs are posted to do so.
- DO NOT operate the transmitter in areas that are sensitive to electromagnetic radiation such as hospitals, aircraft, and blasting sites.
- Portable Device, this transmitter may operate with the antenna(s) documented in this filing in Push-to-Talk and body-worn configurations. RF exposure compliance is limited to the specific belt-clip and accessory configurations as documented in this filing and the separation distance between user and the device or its antenna shall be at least 2.5 cm.
- General population/uncontrolled Radio, this radio is designed for and classified as "General population/uncontrolled Use".

Operating Instructions:

- Transmit no more than the rated duty factor of 50% of the time. To Transmit (Talk), push the Push-to-Talk (PTT) button. To receive calls (listen), release the PTT button. Transmitting 50% of the time, or less, is important because the radio generates measurable RF energy exposure only when transmitting in terms of measuring for standards compliance.
- When operating in front of the face, worn on the body, always place the radio in a Retevis approved clip, holder, holster, case, or body harness for this product. Using approved body-worn accessories is important because the use of Non-Retevis approved accessories may result in exposure levels, which exceed the IEEE/ICNIRP RF exposure limits.

Hand-held Mode

- Hold the radio in a vertical position with the microphone (and other parts of the radio including the antenna) at least 2.5 cm (one inch) away from the nose or lips. The antenna should be kept away from the eyes. Keeping the radio at a proper distance is important as RF exposure decreases with increasing distance from the antenna.



Phone Mode

- When placing or receiving a phone call, hold your radio product as you would a wireless telephone. Speak directly into the microphone.

Electromagnetic Interference/Compatibility

NOTE: Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed, or otherwise configured for electromagnetic compatibility.

Avoid Choking Hazard



Small Parts. Not for children under 3 years.

Turn off your radio power in the following conditions:



WARNING

- Turn off your radio before removing (installing) a battery or accessory or when charging battery.
- Turn off your radio when you are in a potentially hazardous environments: Near electrical blasting caps, in a blasting area, in explosive atmospheres (flammable gas, dust particles, metallic powders, grain powders, etc.).
- Turn off your radio while taking on fuel or while parked at gasoline service stations. To avoid electromagnetic interference and/or compatibility conflicts
- Turn off your radio in any facility where posted notices instruct you to do so, hospitals or health care facilities (Pacemakers, Hearing Aids and Other Medical Devices) may be using equipment that is sensitive to external RF energy.
- Turn off your radio when on board an aircraft. Any use of a radio must be in accordance with applicable regulations per airline crew instructions.

Protect your hearing:



WARNING

- Use the lowest volume necessary to do your job.
- Turn up the volume only if you are in noisy surroundings.
- Turn down the volume before adding headset or earpiece.
- Limit the amount of time you use headsets or earpieces at high volume.
- When using the radio without a headset or earpiece, do not place the radio's speaker directly against your ear
- Use careful with the earphone maybe possible excessive sound pressure from earphones and headphones can cause hearing loss

Note: Exposure to loud noises from any source for extended periods of time may temporarily or permanently affect your hearing. The louder the radio's volume, the less time is required before your hearing could be affected. Hearing damage from loud noise is sometimes undetectable at first and can have a



cumulative effect.

Avoid Burns



WARNING

Antennas

• Do not use any portable radio that has a damaged antenna. If a damaged antenna comes into contact with the skin when the radio is in use, a minor burn can result.

Batteries (If appropriate)

• When the conductive material such as jewelry, keys or chains touch exposed terminals of the batteries, may complete an electrical circuit (short circuit the battery) and become hot to cause bodily injury such as burns. Exercise care in handling any battery, particularly when placing it inside a pocket, purse or other container with metal objects.

Long transmission

• When the transceiver is used for long transmissions, the radiator and chassis will become hot.

Safety Operation



WARNING

Forbid

- Do not use charger outdoors or in moist environments, use only in dry locations/conditions.
- Do not disassemble the charger, that may result in risk of electrical shock or fire.
- Do not operate the charger if it has been broken or damaged in any way.
- Do not place a portable radio in the area over an airbag or in the airbag deployment area. The radio may be propelled with great force and cause serious injury to occupants of the vehicle when the air bag inflates.

To reduce risk

- Pull by the plug rather than the cord when disconnecting the charger.
- Unplug the charger from the AC outlet before attempting any maintenance or cleaning.
- Contact Retevis for assistance regarding repairs and service.
- The adapters shall be installed near the equipment and shall be easily accessible

Approved Accessories



WARNING

- This radio meets the RF exposure guidelines when used with the Retevis accessories supplied or designated for the product. Use of other accessories may not ensure compliance with the RF exposure guidelines and may violate regulations.
- For a list of Retevis-approved accessories for your radio model, visit the following website: <http://www.Retevis.com>

Remarks:

1. This guarantee card should be kept by the user, no replacement if lost.
2. Most new products carry a two-year manufacturer's warranty from the date of purchase. Further details, pls read <http://www.retevis.com/after-sale/>
3. The user can get warranty and after-sales service as below:
 - Contact the seller where you buy.
 - Products Repaired by Our Local Repair Center
4. For warranty service, you will need to provide a receipt proof of purchase from the actual seller for verification

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Exclusions from Warranty Coverage:

1. To any product damaged by accident.
2. In the event of misuse or abuse of the product or as a result of unauthorized alterations or repairs.
3. If the serial number has been altered, defaced, or removed.

| Guarantee | |
|------------------|--|
| Model Number: | |
| Serial Number: | |
| Purchasing Date: | |
| Dealer: | |
| Telephone: | |
| User's Name: | |
| Telephone: | |
| Country: | |
| Address: | |
| | |
| Post Code: | |
| Email: | |

