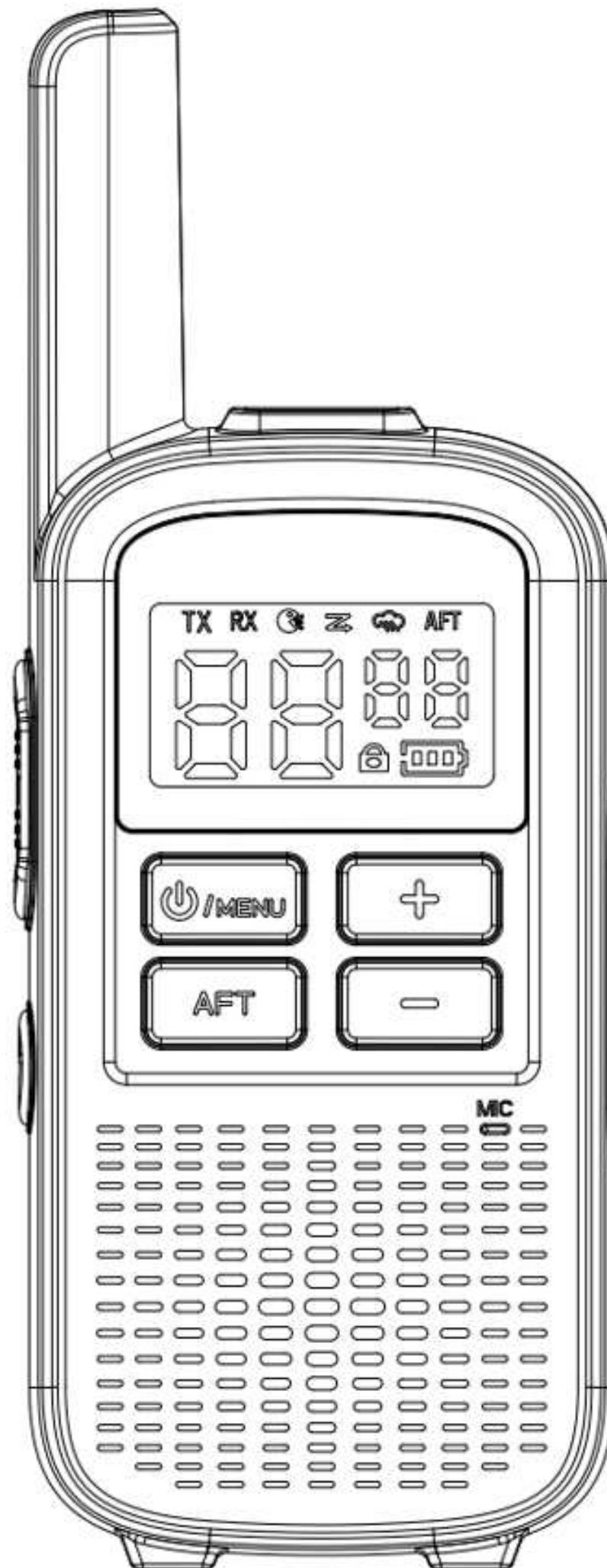
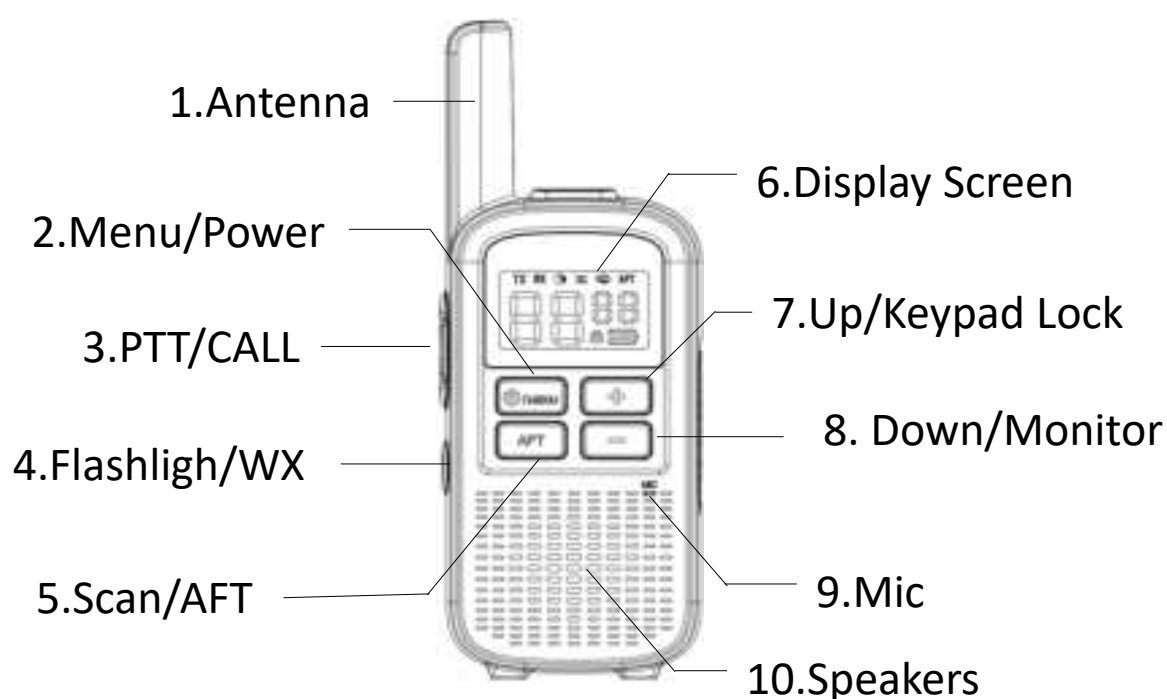


Walkie-talkie instructions

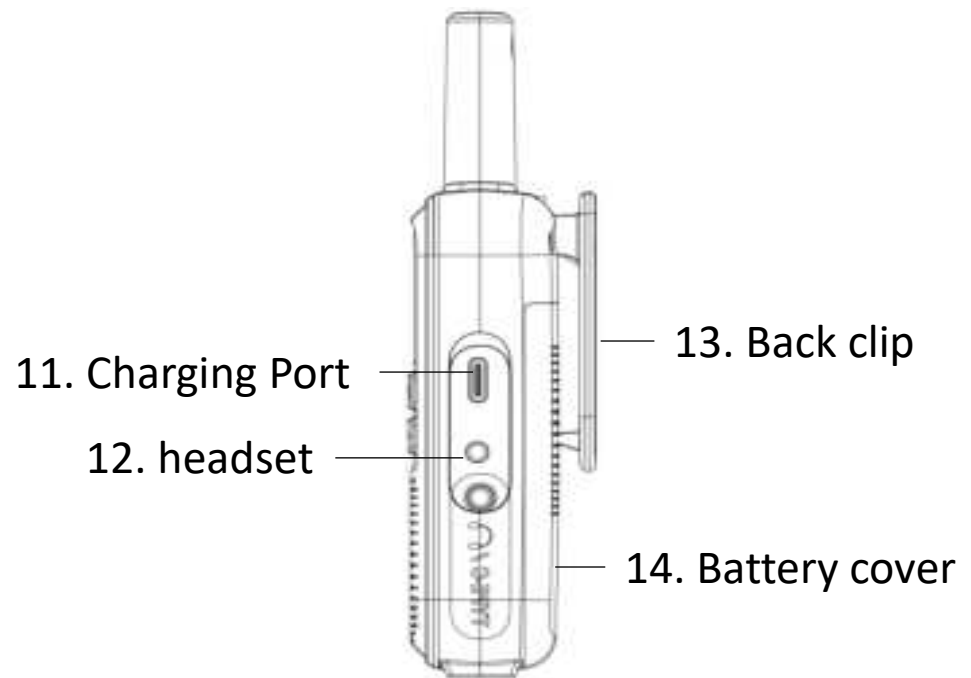


Walkie-Talkie
Model: JB20

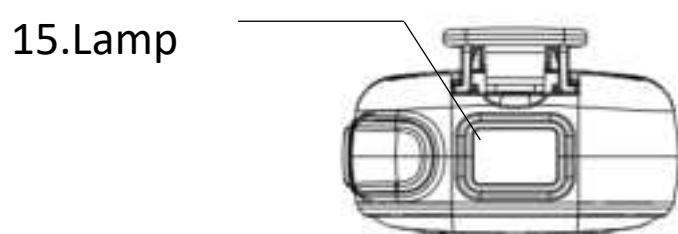
Knowing the product



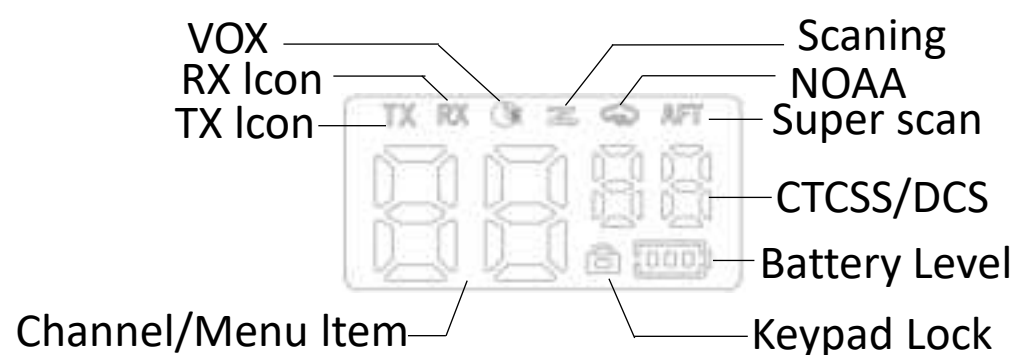
Front View



Sideview



Overhead view



Status information

1. Antenna: An antenna used for transmitting and receiving signals. Do not hold it with your hands during operation, as it may affect communication quality.
2. Menu/Power button: Short press to enter menu settings, long press to turn on/off.
3. PTT/CALL: Short press twice in a row to transmit CALL, long press to transmit voice, release receive.
4. Flashlight/Weather Broadcast: Short press to turn on/off the flashlight, long press to enter the weather broadcast channel.
5. Search/Super Search: Short press to enter the normal search function, long press to enter the super search function.
6. Display screen: The product status is clear at a glance, and various information can be obtained, including channel number, CTCSS code, volume, etc.
7. Flip up key/keyboard lock: Short press the flip up function and long press the lock/unlock keyboard key.
8. Flip down button/monitor: Short press the flip function, long press to turn off automatic mute and forcibly receive, monitor weak signals.
9. Mic: When transmitting voice, speak at a distance of 3-5cm from Mic.
10. Speaker: Product speaker.
11. Charging interface: 5V USB Type-C charging interface, can charge AAA nickel hydrogen batteries
***do not charge regular batteries
12. Earphone interface: Can connect 2.5mm headphones.
13. Back clip: Detachable back clip, easy to carry, can clip products in pockets or other places.
14. Battery cover: Convenient and detachable battery cover, which can be disassembled to accommodate 3 No. 7/AAA batteries.
15. Flashlight: High brightness flashlight, convenient for emergency lighting at night.

****Note:** Each walkie talkie requires 3 AAA batteries, which are not included in the packaging. You need to prepare the batteries before the walkie talkie can work. We recommend that you always use high-quality AAA nickel hydrogen batteries. If the walkie talkie is not used for a long time, please remove the battery.

Operation Guide

1. Transmit/Receive

Press and hold the PTT key without releasing it, and speak at a distance of 3-5 cm from the microphone to transmit voice to the receiving end; Release the button to receive voice.

*Attention: The channel and sub audio of the transmitter and receiver must be the same in order to communicate properly.

2. Launch Call

Press the PTT button twice in a row, and the walkie talkie will emit a tone to wake up the receiver.

3. On/Off

You need to prepare 3 AAA batteries for each walkie talkie to work. Please install the batteries according to the polarity marked in the battery compartment. After installing the batteries, the walkie talkie will automatically turn on; If you want to shut down, you can remove the battery or press and hold the power button for 3 seconds to shut down the walkie talkie; Press and hold for another 3 seconds to turn on the walkie talkie. Please turn off the walkie talkie when it is not in use, as this can extend the battery life.

4. Channel Settings

Short press the menu button once to enter channel settings. Short press the up/down keys to set the channel, press PTT to confirm exit, or automatically save the exit settings after 10 seconds of standby.

5. Sub audio settings

Short press the menu button twice to enter sub audio settings. Short press the up/down keys to set sub audio CTCSS/DCS, with a total of 99 sub audio groups available for each channel.

6. Voice control settings

Short press the menu button three times to enter VOX settings. Short press the up/down keys to set the voice control switch. There are three settings available, with the highest sensitivity in the third gear.

7. Call tone settings

Short press the menu button 4 times to enter the CALL sound setting. Short press the up/down keys to select different tone melodies, with a total of 10 sets of melodies to set.



8. Button tone settings

Short press the menu button 5 times to enter the button tone setting. Short press the up/down button to set the button tone switch. When the button is turned off, the speaker will not emit a button tone when operating the button.

9. End of emission sound setting

Short press the menu key 6 times to enter the end of launch tone setting, short press the up and down keys to set the tone switch. No more beeps at the end of the launch after the sound is turned off

10. Battery power indication

The battery icon on the screen shows the battery power level, display  indicates sufficient power; display  indicates that the battery power has been depleted, at this time the intercom will be intermittently issued "beep beep" sound alert, At this time, it is necessary to replace the new battery or charge the battery to work normally.

*** Note: It is not allowed to launch when charging, and please pay attention to the type of battery before charging. Do not charge the non-rechargeable battery to avoid danger.

11. Adjusting the volume

In standby mode, short press the up/down keys to adjust the volume. There are 8 levels of volume that can be adjusted.

12. TOT (timeout timer)

The function of the timeout timer is to prevent prolonged channel occupation and to prevent the intercom from continuously transmitting for too long, resulting in overheating of the body. The machine has set a TOT limit time, and when the continuous signal transmission time is too long (greater than 180s), the walkie talkie stops transmitting. Release the PTT switch and press it again to resume transmission.

13. Monitor Function

Press and hold the flip button for a long time, and after 3 seconds, enter the monitoring mode. At this time, the automatic noise reduction function will be turned off, and the walkie talkie will emit a "beep" noise. The walkie talkie will receive any signal on this channel, usually used when the communication signal is not good. Automatically exit after releasing the button.

14. Search function

Short press the super scan button once to enter the basic scan mode of the walkie talkie. When an active channel is found, it will stop. At this time, you can press the PTT button to reply on this channel.

Long press and hold the super scan button for 3 seconds to enter the super scan mode of the walkie talkie. The walkie talkie can automatically adjust its frequency and establish communication with the strongest 400-470MHz wireless signal nearby.

*Note: In the basic scanning state, if the local sub audio is different from the sub audio of the transmitter, the signal of the transmitter cannot be searched.

15. Flashlight

When turned on, briefly press the flashlight button once to turn on the flashlight light, and then press again to turn it off.

16. Weather broadcast


Long press the light button to enter the weather broadcast channel, which has 11 default channels. Users can adjust the broadcast channels they want to receive according to local conditions.

In weather broadcast mode, you can enter the menu to open the emergency weather warning NOAA function

17. Keyboard lock

Long press the flip up button to lock/unlock the keyboard.

| | |
|------------------------|---|
| Operating frequency | 462.55~467.7125MHz |
| Frequency Stability | ±5ppm |
| Number of channels | 22 |
| Operating Voltage | DC3.3V~4.8V |
| RF Power | ≤0.5W |
| Communication distance | 1~3km(Depends on the usage environment) |
| Sub-audio | CTCSS+DCS |



CAUTION

During the preparation process of this manual, we strive for the accuracy and completeness of the content. However, for possible errors or omissions, the company does not assume any responsibility. The Company reserves the right to change the product design and specifications. due to the continuous development of technology, the product design and specifications are subject to change without notice

User Security Information

For your safe and efficient use of this machine, please read the following safety information carefully:

1. Please turn off the intercom before entering a flammable or explosive environment.
2. Do not replace or charge the battery in flammable or explosive environments.
3. Do not use this product to charge non rechargeable batteries, as it may cause battery explosion.
4. Do not use walkie talkies with damaged antennas, damaged antenna contact with the skin may cause minor burns.
5. The repair work of the intercom should only be carried out by professional technicians, please do not disassemble and install the intercom by yourself.
6. To avoid problems caused by electromagnetic interference / or electromagnetic compatibility, please turn off the walkie-talkie at the place where the "Please turn off the walkie-talkie" sign is posted.
7. This walkie-talkie is not waterproof, so please keep it dry.
8. Do not expose the walkie-talkie to direct sunlight or place it near a heating device for a long time.
9. When the walkie-talkie is transmitting, keep the walkie-talkie in vertical position and speak close to the microphone. If you wear your portable walkie-talkie on your body, make sure that the antenna is at least about 5 cm from your body when the walkie-talkie is transmitting.

FCC Statement

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

Specific Absorption Rate (SAR) information:

This Walkie Talkie meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health. FCC RF Exposure Information and Statement the SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue.

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.



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