

User Manual

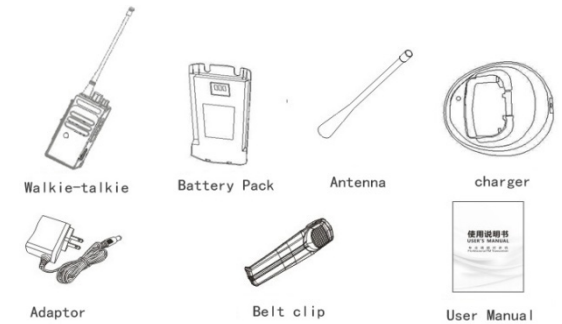
Test Model: ZLB-B182B01

Accessories List

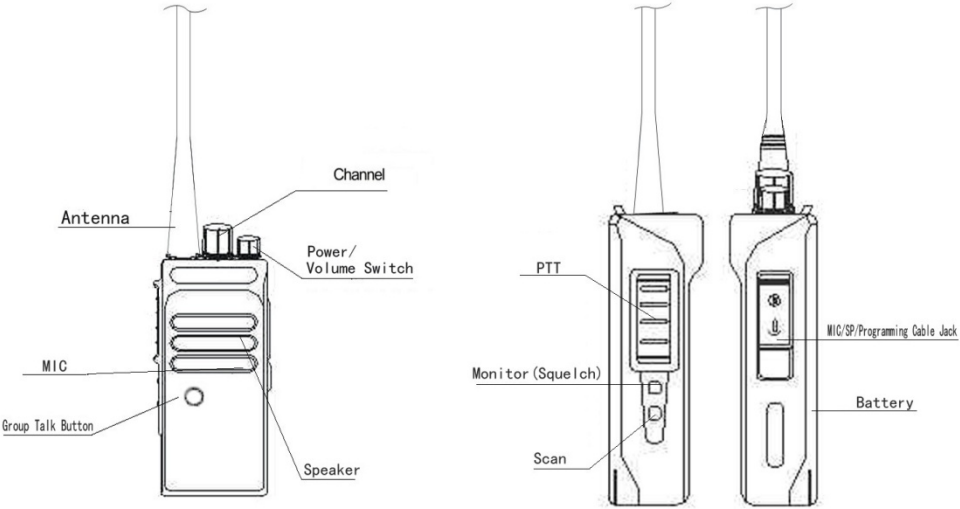
Pls unpack the transceiver carefully and check the package again to make sure there is no listed items as below inside before you discard it .Should any items have been missed or damaged during shipment ,please contact distributor immediately.

Accessories list:

Description	quality
Antenna	1 pc
Battery Pack	1pc
charger	1 pc
Adaptor	1pc
Belt clip	1pc
User Manual	1pc



Know the Radio



Preparation :

Install the antenna

Rotate the antenna clockwise till tight (the antenna in picture only for reference)

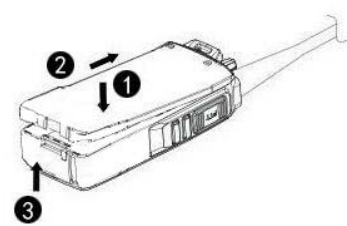
Rotate the antenna counterclockwise to remove it.



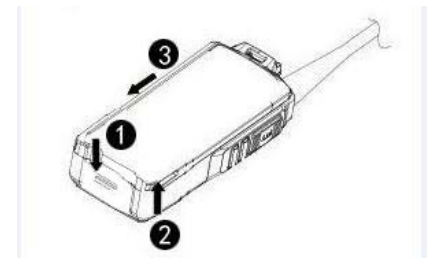
Note: Don't hold the machine by antenna or hang the keychain and earphone on it, sincethey will spoil the antenna and reduce the performance of the machine.

Install Lithium Battery Pack

Put the original Lithium battery into the transceiver correctly as following picture shows:

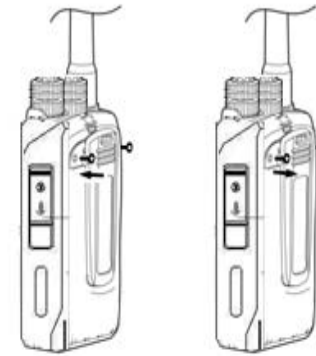


Unfold the Battery



Install the Belt Clip

If necessary, installing the belt clip with 3*6 Screws to fix it.



Notes:

1. When installing the belt clip, do not use any glue to fix crew or it will be bad for casing.
2. Take off the belt clip first, then the battery pack.

Charing:

The lithium battery pack is not charged from the factory, please charge it before using . When used for the first time after purchased or stored over two months, the capacity of battery pack is less than normal. However,it will return nomal after charged and discharged for 3 times. Charge in power-off mode, the indicate red light is on,and it turn green when finish.

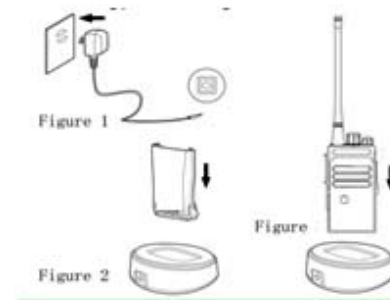
2.Do not short-circuit the battery terminals or dispose of batteries in fire.

3.Do not unload the battery rear case.

4.Pls keep the charging ambient temperature be +5°C to +40°C.

Charging Steps as below :

1. Insert the AC adaptor line to the charging hole;
- 2.Connect the power with AC adaptor.
- 3.Put Nimh battery or Radio with battery on the desk top.



Notes:

1. Once be fully charged ,pls take it away from the adapor;
2. Do not short-circuit the battery terminals or dispose of batteries in fire
3. Do not unload the battery rear case.
4. Pls keep the charging ambient temperature be +5°C to +40°C.

Function Operations :

Turn On / Turn Off

Turn on the radio by rotating "Power/Vol" Clockwise . When hearing the sound "Di".it means the radio is on ; Turn off the radio by rotating it counterclockwise until a "ka-ka" sound is heard .

Volume Adjustment

"Power/Vol" Knob clockwise to increase the volume,or counterclockwise to decrease it .

Channel Exchange

There are 16 Channels for you to select by Rotating the Channel knob clockwise or counterclockwise;

Transmitting

Press {PTT}and red indicator flashes ,then transmitting the information and release;

Monitor

Press {Monitor Button}to turn on the Squelch,press again to turn off;

Group Talk Function

No matter which Channel you are in ,press Group Talk Button and speak enable you to deliver information to all radios simultaneously;

Power Saving

Power saving function will be on when there is no signal or any operation work for 6 seconds . Open the PC software to decide whether you will choose the power save or not .

Busy Channel Lockout

Open the PC software to choose whether you need it

Low Battery Alert

When you hear a sound "please Charge", remind you to recharge or replace the battery;

Oral Channel Indicator Function

This radio have Oral Report Channel Function ,it is very useful for you to know your channel No. in dark; Open the PC software to turn on / off ;

Trouble Shooting

Problem	Solution
No power	The battery may have been exhausted. Please recharge or replace the battery pack. The battery pack may not be installed correctly. Please check and install it again.
No signal received	Make sure you are using the same frequency and CTCSS tone. Make sure you are in the radio's operation range; Make sure the squelch level is not too high; Check if the battery is exhausted or not ;
Unable to talk or ear members in your group	Make sure you are using the same frequency and CTCSS tone as other members in your group. Other group members maybe too far away from you , make sure you are in the radio's operation range.
Battery lasts in a short time after charging	Make sure the battery is fully charged . If the battery pack can not function any longer. Please replace it with a new one.
The other group	Please change the frequency. Make sure to change CTCSS signal of all

member's voices are present on the channel	transceivers in your group;
The voice is not clear and loud	Adjust the volume first and check whether the MIC is blocked
	Please change the frequency. Make sure to change CTCSS signal of all transceivers in your group;

Technical Parameters

Frequency Range (MHz)	(406-470 MHz)
Memory Channel	16
Operated Temperature:	-30°C-+60°C
Modulation:	F3E
Operated Voltage:	7.5V
Frequency Stability:	± 2.5ppm
Sensitivity:	≤ 0.20 Uv

Power Output:	12W
Audio Power :	500mW
Emission current:	Lower power $\leq 0.8A$ High power $\leq 2.0A$
Residualwave Radiation :	$< -60dB$
Max Frequency Deviation:	$\leq \pm 5KHZ$
Standby current:	$\leq 46mA$
Weight:	251g
Size:	56 x 117 x 38 mm

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this radio by the manufacturer or an antenna specifically authorized by the manufacturer for use with this radio.

DO NOT transmit for more than 50% of total radio use time (“50% duty cycle”).

Transmitting more than 50% of the time can cause FCC RF exposure compliance requirements to be exceeded. The radio is transmitting when the “TX indicator” lights red. You can cause the radio to transmit by pressing the “PTT” switch.

ALWAYS use SAMCOM authorized accessories (antennas, batteries, belt clips, speaker/mics, etc). Use of unauthorized accessories can cause the FCC RF exposure compliance requirements to be exceeded. Body-worn operations are restricted to belt-clips, holsters or similar accessories that have no metallic component in the assembly and that provide at least 1.5 cm separation between the device, including its antenna, and the user’s body. To provide the recipients of your transmission the best sound quality, hold the antenna at least 25 cm (10 inches) from mouth, and slightly off to one side. The information listed above provides the user with the information needed to make him or her aware of RF exposure, and what to do to assure that this radio operates within the FCC

RF exposure limits of this radio.

Electromagnetic Interference/Compatibility

During transmissions, your Amcrest 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.

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 except any interference received, including interference that may cause undesired operation.

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

Note:This EUT has one voice channel per 12.5 kHz of channel bandwidth

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.**

NOTE: This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter