RECYCLED PACKAGING

Portable Two-Way Radio
Fm Transceiver

User Manual

TWO WAY
RADIO

Safety and General Information

Important Information on Safe and Efficient Operation.

Read This information Before Using Your Radio.

The information provided in this document supersedes the general safety information contained in user guides published before.

Transmit and Receive Procedure

Your two-way radio contains a transmitter and a receiver. To control your exposure and ensure compliance with the uncontrolled environment exposure limits, always adhere to the following procedure:

- Transmit no more than 50% of the time.
- To transmit (talk), press the Push to Talk (PTT) button.
- To receive calls, 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 standards compliance).

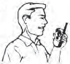
Portable Radio Operation and EME Exposure

Antenna Care

Use only the supplied or an approved replacement antenna.

DO NOT hold the antenna when the radio is "IN USE". Holding the antenna affects the effective range.

Two-Way Radio Operation



When using your radio as a traditional two-way radio, **hold the radio in a vertical position with the microphone 1 to 2 inches (2.5 to 5 cm) away from the lips.**

Body-Worn Operation

If you wear a radio on your body when transmitting, always place the radio in a -supplied or approved clip, holder, holster, case, or body harness for this product. If you do not use one of the -supplied or approved body-worn

Electromagnetic Interference/Compatibility

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

Facilities

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 may be using equipment that is sensitive to external RF energy.

Aircraft

When instructed to do so, 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.

Medical Devices

Pacemakers

The Advanced Medical Technology Associ
that a minimum separation of 6 inches (15
between a handheld wireless radio and a
recommendations are consistent with
research by,and recommendations of th
Drug Administration.

Persons with pacemakers should:

- ALWAYS keep the radio more than s
  from their pacemaker when the radio is
- Not carry the radio in the breast pocket.
- Use the ear opposite the pacemaker
  potential for interference.
- Turn the radio OFF immediately if you h
  suspect that interference is taking place

Hearing Aids

Some digital wireless radios may interfere
aids. In the event of such interference,
consult your hearing aid manufacturer to di

ation recommends
cm) be maintained
pacemaker. These
the independent
ne U.S. Food and

ix inches (15 cm)
turned ON.

r to minimize the

ave any reason to
.

with some hearing
you may want to
iscuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded form RF energy.
Your physician may be able to assist you in obtaining this Information.

Safety and General Use While Driving

Check the laws and regulations on the use of radios in the area where you drive. Always obey them. When using your radio while driving please：

◆Give full attention to driving and to the road.
◆Use hands-free operation if available

Pull off the road and park before making or answering a call If driving conditions sorequire.

Operational Warnings

⚠ **warnings**

◆ For Vehicles with an Air Bag

Do not place a portable radio in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a portable radio is placed in the air bag deployment area and the air bag inflates,the radio may be propelled with great force and cause serious injury to occupants of the vehicle.

Potentially Explosive Atmospheres

Turn off your radio prior to entering any area with a potentially explosive atmosphere, unless it is a radio type especially qualified for use in such areas as “Intrinsically Safe.” Do not remove, install,or charge batteries in such areas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.

Note: The areas with potentially explosive atmospheres referred to above include fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, areas where the air contains chemicals or parficles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine Areas with potentially explosive atmospheres are often but not always posted.

Blasting Caps and Areas

To avoid possible interference with blasting operations, turn off your radio when you are near electrical blasting caps, in a blasting area, or in areas posted: “Turn off two-way radio. Obey all signs and instructions.

Operational Cautions

Antennas

This antenna is not removable,
please pay attention when using it!

Batteries

All batteries can cause property damage and/or bodily injury such as burns if a conductive material such as jewelry, keys, or beaded chains touch exposed terminals. The conductive material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse, or other container with metal objects.

⚠ **The power of the device cannot be adjusted.**

Battery Charger Safety Instructions

Save these Instructions

1. Do not expose the charger to rain or snow.
2. Do not operate or disassemble the charger if it has received a sharp blow, or has been dropped or damaged in any way.
3. Never alter the AC cord or plug provided with the unit. If the plug will not fit the outlet, have the proper outlet installed by a qualified electrician. An improper condition can result in a risk of electric shock.
4. To reduce the risk of damage to the cord or plug, pull the plug rather than the cord when disconnecting the charger form the AC receptacle.
5. To reduce the risk of electric shock, unplug the charger from the outlet before attempting any maintenance or cleaning.
6. Use of an attachment not recommended or sold by SMP may result in a risk of fire, electric shock, or personal injury.
7. Make sure the cord is located so it will not be stepped on, tripped over, or subjected to damage or stress.
8. An extension cord should not be used unless absolutely necessary.

Use of an improper extension cord cou
fire and/or electric shock. If an exten
used, make sure that:

- The pins on the plug of the extension
  number, size, and shape as those
  charger.
- The extension cord is properly w
  electrical condition.
- The cord size is 18 AWG for lengths
  16 AWG for lengths up to 150 feet.

9. The supply cord of this charger can not

ld result in a risk of
sion cord must be

cord are the same
on the plug of the

ired and in good

up to 100 feet, and

be replaced.

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CHECK EQUIPMENT

Welcome to use our radio. Please check if any damage to the packing box before use. Carefully unpacks the radio. identiry the items list below, please inform the seller if any item missed or damaged.

ACCESSORIES

ITEMS	QUANTITY
CHARGER	1
ADAPTOR	1
Li-ion BATTERY	1
BELT CLIP	1
USERS MANUAL	1

Li–ion BATTERY

CHARGER

ADAPTOR

BELT CLIP

USERS'MANUAL

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START

CHARGE BATTERY

The battery hasn’t been charged at the factory, please charge it before use.

Charge it for the first time,or recharge it after unusing for a long time (over two months), it needs charging two or three times to reach normal capacity.

⚠ Warnings

◆If the battery was completely charged, do not charge it again.
Otherwise the life of battery may be losed or damaged.

◆After battery was completely charged , please remove the battery from the charger,Charging over 5 hours may cause damage.

Note

◆The environment temperature for charging is from 5℃ to 40℃. The battery can not be fully charged beyond this temperature.

◆Please turn off the radio before charging.
It will affect charging process if you use the radio during charging.

◆When operating time becomes short, even if it is fully charged, please replace the battery pack.

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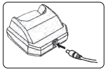
Insert the plug of the adaptor into the socket which on the back of the charger.

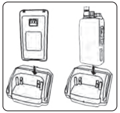


The AC power adapter should be plugged into AC power output.

Plug the Li-ion battery or radio with battery into the charger.

◆Ensure the battery is in touch with the contacts of the charger.

◆The charger indicator light flashing red means charging start.



After charging for 4 hours, please remove it from the charger.

◆The charger indicator light becomes green after fully charged

Remove the AC power adaptor from the AC power output.

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INSTALL/REMOVE BATTERY

⚠ CAUTION

◆ Don't short circuit the battery ch
the battery into fire.

◆ Don't disassemble the case of t

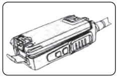
Match the top of the battery pack with the corresponding grooves on the radio.

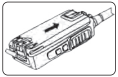
Push the battery onto the bottom of the radio, buckle the safety lock.

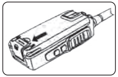
To remove the battery pack , lift the safety lock and pull the battery pack away from the radio.

arger contacts or threw

he battery.







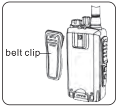
INSTALL BELT CLIP

When necessary, you can install the belt clip to the back of the radio.

Note:

Without installing the belt clip,the installing area will become hot due to continuous communication or put in hot envirnment.

You should remove the belt clip first before disassemble the battery pack.



⚠ Caution

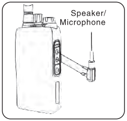
◆ please don't use glue to fix the screws of belt clip, otherwise it may ruin the housing!

INSTALL SPEAKER/MICROPHONE

Insert the speaker/microphone plugs into the speaker/microphone jack.

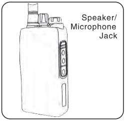
Note:

The radio is not entirely waterproof when use the speaker/microphone.

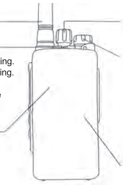


INSTALL THE COVER 0VER THE SPEAKER/ MICROPHONE JACKS

If not use a speaker/microphone, please use the screw to install the cover over the speaker/microphone jack.



CONTROLS



Non-detachable
ANTENNA

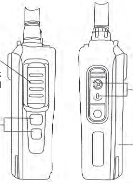
LED INDICATOR
Lights red while transmitting. Lights green while receiving. Flashing red if the battery voltage become low while transmitting.

SPEAKER

CHANNEL SWITCH
Rotate to select a channel from 1 to 16.

POWER SWITCH/ VOLUME CONTROL
Turn clockwise to switch on the transceiver. Rotate to adjust the volume. TO switch off the transceiver, turn counterclockwise fully.

MICROPHONE



PTT(push to talk) BUTTON
Press this key. then speak ihto the microphone to call Release it to receive.

SIDE 2 KEY/ SIDE 3 KEY

SPEAKER/ MICROPHONE JACK

BATTERY PACK

OPERATIONS AND SETTINGS

SQUELCH LEVEL

You can use programming software to adjust the squelch level (0-9 levels).

BEEP SETTING

You can hear a beep sound when turn on the radio or press a key. You can use programming software to open or close this function.

TIME OUT TIMER(TOT)

TOT is used to prevent any user from using a channel for a long time. It will damage the radio if transmit for a long time.

CTCSS/DCS

You can use the programming software to set the CTCSS/ DCS for each channel. There are 38 groups of CTCSS and 83 groups of DCS for you to select.

EMERGENCY CALL

In case of emergency, press emergency key
sound alert tone and also send alert.

LOW BATTERY WARNING.

Low battery warning alerts you that the batter
recharged or replaced. While transmitting or r
LED will blink red if the battery is low. Please
battery if “du du” tone sounds every 30 secor

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the radio will

y should be
receiving, the
replace the
nds.

TROUBLESHOOTING

problem	Solution
No Power	◆The battery pack may be dead. Recharge or replace it. ◆The battery pack may not be installed correctly.Remove it and install it again.
Battery power dies shortly after charging	◆The battery pack life is finished Replace the battery pack with a new one.
Cannot talk to or hear other members in your group	◆Make sure you are using the same frequency and CTCSS/ DCS tone as the other members in your group. ◆Other group members may be too far away.Make sure you are within the range of the other radios.
Other voices (besides group members) are present on the channel.	◆Change the CTCSS/DCS tone. Be sure to change the CTCSS/ DCS on all radios in your group.

FCC Warning：

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

This device complies with part 15 of the F CC 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 .
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.

The device has been tested and complies with SAR limits, users can obtain Canadian information on

SAR tests are conducted using standard operating positions accepted by the FCCwith the device transmitting at its highest certified power level in all tested frequency bands, although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value.

Before a new model device is a available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC, Tests for each device are performed in positions and locations (worn on the body)as required by the FCC.

For face-up, mm was used for test, this equipment should be installed and operated with minimum distance 25mm.

For body worn operation, this device has been tested and meets the FCC RF exposure guidelines when used with an accessory designated for this product or when used with an accessory that Contains no metal. Non-compliance with the above restrictions may result in violation of RF exposure guidelines.