

PR((·))NTO



PR((·))NTO
User Manual

Welcome

Thank you for purchasing our PRONTO two-way radio. We believe that the quality and functions of this radio will bring you an extremely high level of performance and quality communications for many years to come.

P-5000 series is a high-end professional two-way radio launched by PRONTO; it is the perfect solution for tough environments where robustness and high performance are essential. P-5000 series transceivers are ideal for construction, public safety, railway transportation, forestry, fire prevention and many other outdoor & demanding environments that exist.

P-5000 series are 100% waterproof and dustproof and its certification ensures you totally reliable communications when pushed to the limit. P-5000 transceivers are packed with added functionality to ensure your communications privacy and personal safety. It benefits from Voice Prompts, Reverse Frequency, Talk around, PTT ID Encode as well as VOX, remote stun/revive. Please talk to your radio supplier for more information.

Please read this manual before use.

Welcome to your PRONTO two-way radio

- Superior Stability
- Waterproof & Dustproof IP67
- 5 types of Signaling
- Vibration Prompt
- 1600mAh Li-battery
- 40mm-diameter Speaker
- 9-class Noise-canceling Technology



P-5000S

- VOX
- 25/12.5 KHz Switchable
- 3 programmable keys
- Voice Prompt
- PC Programming
- Wired Clone

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Safety Matters

Please read this manual carefully as failure to observe the rules may cause danger to life or violation of the law.

- The use of this radio must be in compliance with the regulations of the local government.
- Turn off the radio before you enter places of flammable or explosive environment.
- Do not replace or charge battery pack in places of flammable or explosive environment.
- Never use the radio with a damaged antenna as this may cause injury.
- To avoid problems caused by electromagnetic interference or electromagnetic compatibility, please turn off the radio in places where instructed to such as hospitals, health care institutions and any other sensitive environments.
- In vehicles with airbags do not locate the radio close to the airbags area of activation.
- Do not expose the radio to direct sunlight or near heat for extended periods of time.
- Keep the radio vertical and speak clearly into the microphone during your transmissions.
- Only qualified technicians should attempt repair or carry out maintenance work on this Radio. Do not attempt to disassemble the unit if you are not qualified.
- Make sure that the antenna is a minimum of 2.5 cm away from your body during operation.

Product Inspection

Thanks for using P-5000 series two-way radio. Before use, we recommend that:
 First check the package for any signs of damage;
 Carefully open the package and identify the items listed below;
 If any items are missing or damaged during shipment, please contact your dealer.

Items



Radio PRONTO P-5000S
Qty: 1



Antenna
Qty: 1



Li-poly Battery
Qty: 1



Adapter
Qty: 1



Strap
Qty: 1



Belt Clip
Qty: 1



Charger
Qty: 1



User Manual
Qty: 1

Note: Frequency is marked on the colour circle at the bottom of the antenna.

Get Acquainted Battery Information

Applicable battery Model

Please charge with PRONTO approved battery; using other batteries may burst and cause personal damage.

Note:

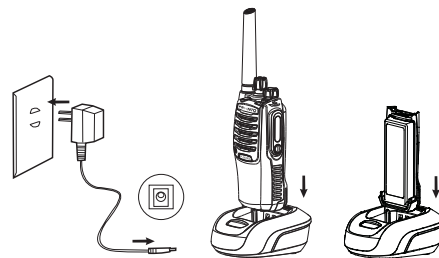
1. Do not short-circuit the battery terminals or dispose the battery in fire. Never attempt to disassemble the battery pack.
2. Charge the battery in $-0^{\circ}\text{C}\sim 45^{\circ}\text{C}$ temperature. Otherwise the battery may not be fully charged.
3. Turn off the radio equipped with battery before charge. Using the radio while charging may interfere with charging.
4. Do not pull/plug the adapter and the battery during charging to avoid interfering with the charging procedure.
5. When the battery power consumes quickly even if it is fully and correctly charged, that means the battery life is over and please replace with new battery.
6. Do not charge if the battery or radio is wet. Before charge you should dry it with cloth to avoid danger.

Warning:

Conductive metals such as jewelry, key or decorating lace may result in short circuit and a large quantity of heat when coming to contact with battery electrodes. Treat any battery carefully especially when placing it into pocket, wallet or other metal container.

Charging Operation

Please charge as follows:



1. Turn off the radio. Plug the DC connector of the adapter into the DC jack on the rear of the charger.
2. Plug the AC connector of the adapter into an AC outlet.
3. After the charger is electrified, the LED glows red for 1 second and goes out, which means the charger is ready for normal battery charging. If the LED flashes red, it means the charger is not ready for battery charging.
4. Insert the battery or radio equipped with battery into the charger. Make sure the battery is in good connection with charger electrode.
5. LED glows red during normal charging and flashes red during trickle charging because of very low battery power. And after the battery power reaches a certain mount during trickle charge, the charger will automatically turn to normal charge mode.
6. The battery is fully charged when LED glows green. The charger will stop charging automatically.

Cautions in Charging

1. The battery is not charged in factory. Please charge the battery before initial use or after long-time storage.
2. Repeat charging 2 or 3 times and the battery will reach its best capacity. Please replace or charge the battery if the battery power is low.
3. When the battery power consumes quickly after normal charge, the battery life is finished. Please contact your dealer and buy new PRONTO approved battery.

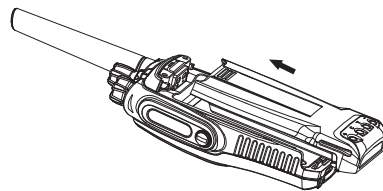
Antenna Information

- communication; the thin and long antenna will provide the best communication effect. Also it is comfortable to carry on the waist.
- Be aware that the distance over which you can communicate will vary according to topography & general weather conditions.

Attaching and Removing Attaching and Removing the Battery

Attaching the Battery (Figure 1)

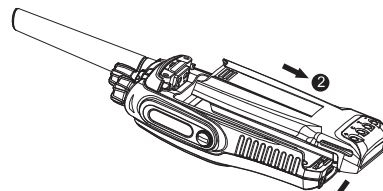
Match the sockets of the battery with the leading rail of the backside of the radio. Make sure the battery is well-connected to the radio horizontally.



(Figure 1)

Removing the Battery (Figure 2)

Before removing, make sure that the radio is turned off. Then unlock the battery lock by pressing the bottom following step 1 as showed in the picture. Slide the battery away from the radio following step 2 in the picture. Notice: Please take off the belt clip before removing the battery.



(Figure 2)

Attaching/Removing the Antenna

Attaching the Antenna: (Figure 3)

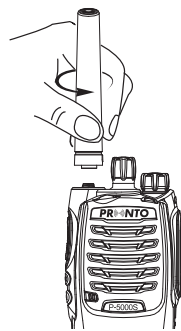
1. Insert the antenna into the connector on the top of radio by holding the antenna at its base.
2. Rotate the antenna clockwise to fasten it.



(Figure 3)

Removing the Antenna: (Figure 4)

Rotate the antenna counter clockwise until you can remove it.



(Figure 4)

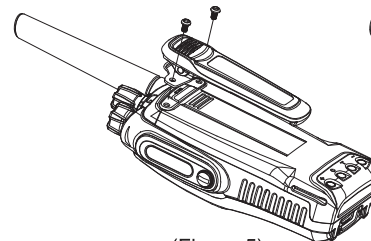
Attaching/Removing the Belt Clip

Attaching the Belt Clip: (Figure 5)

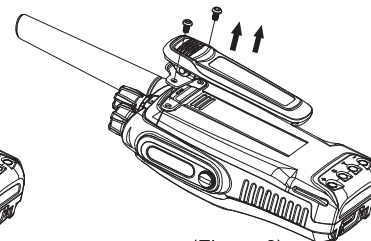
Match the holes of the belt clip with the holes of the backside of the radio. Then fix them by using the two 2.5*4.5 screws.

Removing Belt Clip: (Figure 6)

Remove belt clip by removing the screws.



(Figure 5)



(Figure 6)

Attaching External Earphone/Microphone

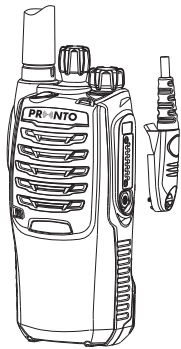
Attaching External Earphone/Microphone

1. Unclose the cover of earphone/microphone jack. (No need to remove it.). (Figure 7)
2. Insert the earphone/microphone into the earphone/microphone jack. (Figure 8)

☞ Note: The radio is not fully waterproof while using external earphone/microphone.



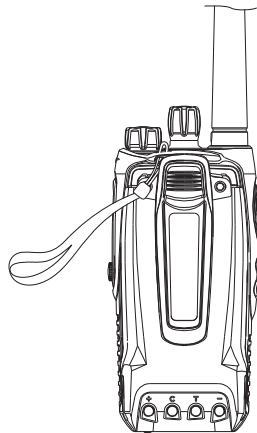
(Figure 7)



(Figure 8)

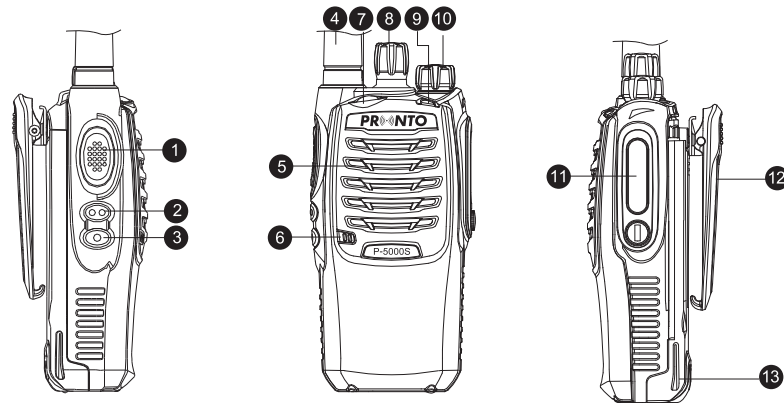
Attaching Hand Strap

Thread the strap into the hole at the back of the radio and fasten it.



(Figure 9)

Radio Overview



- 1 PTT Key
To transmit, press down [PTT] key and speak into the Mic; release it to receive.
- 2 Programmable Key 1 (SK1 Key)
PC programming the function and set up related function by this key.
- 3 Programmable Key 2 (SK2 Key)
PC programming the function and set up related function by this key.
- 4 Antenna
- 5 Speaker
- 6 Mic
- 7 Programmable Key (TK Key)
The press mode and its function can be programmed by PC software.
- 8 Channel Selector

- 9 LED
LED flashes red while transmitting and flashes green while receiving.
- 10 Volume Knob
Rotate the knob to adjust the volume.
- 11 Mic/earphone Cover
- 12 Belt Clip
- 13 Battery Latch

Basic Operation

Turning on/off the Radio

Rotate the Power Switch/Volume Control knob clockwise until a "click" sounds to turn on the radio and you will hear channel annunciation.

Rotate the Power Switch/Volume Control knob clockwise until a "click" sounds to turn off the radio.



Adjusting Volume

You can adjust volume by rotating it after the radio is turn on .



Tip: You can listen to the background noise by pressing programmed "Squelch Off" key and adjust the volume via rotating Power Switch/Volume Control knob.

Selecting Channel

Rotate the channel knob to select operating channel from 1~16, according to the numbers and symbols on the bottom of channel selector knob or channel annunciation. Also can base on the voice prompt to select.



Making Call

To make a call, hold down [PTT] key and speak into the microphone with normal voice. Please keep the microphone 2.5cm-10cm away from your mouth.

Tip:

1. Hold down [PTT] key and LED glows red, the radio begins to transmit.
2. If the battery power is insufficient, the radio can not transmit when battery power is not enough for normal operation.

Receiving Call

Release [PTT] key to receive a call.

Low Battery Alert

If LED flashes red, it indicates the battery power is insufficient. The voice prompt also will notice the low battery notice.

Programmable Key

The programmable keys can be programmed as functions below by PC software.

Function	Description
None	The programmable key is invalid.
Calling1/Calling2	Send the relevant Code of Selective Signaling (DTMF/2-TONE/5-TONE/QDC1200)
Alarm	Press the key and Alarm is turned on. Press the key again to cancel it.
Working Alone	Protecting the safety of the user when works alone. The radio will sound after a certain time (the time can be set up by PC programming software) when it is under the Working Alone mode, then you have to press the key or the radio will be at the state of automatically alarming.
Monitor	Press the key to turn on the singling squelch; Press the key again to return to the primary squelch mode.
Monitor Momentary	Press the key to turn on the singling squelch; Release the key to return to the primary squelch mode.
Squelch Off	Press the key to turn on the noise squelch; Press the key again to return to the primary squelch mode.
Squelch Off Momentary	Press the key to turn on the noise squelch; Release the key to return to the primary squelch mode.

Scan	Press the preprogrammed Scan key. Scan starting from the current channel and ascends through the channel numbers in scan list. The LED flashes green in scan mode and glows green when a signal is received on a channel and the signaling matches. Press the key again to exit.
Talkaround	Turn Talk Around ON and OFF by pressing the programmed key. The radio will transmit on the RX frequency when Talk Around is on, and the CTCSS/CDCSS encode is the same with CTCSS/CDCSS decode. You may occasionally experience an interruption in service (due to power failure, etc.). Talk Around allows you to communicate directly with other transceivers, without the use of a repeater.
VOX	Press the preprogrammed VOX key to activate the VOX function. You can transmit without holding down [PTT]. Press this key again to exit.
Battery Power Inquiry	The radio could prompt the current battery power.
Vibration	Vibration prompts calling.
Noise Immunisation	Noise Immunisation reduces the environment noise to make sure the other side could hear more clearly.

Care and Maintenance

Question and Answer

Problem	Solution
No power(unable to turn on)	<ul style="list-style-type: none"> The battery power may be insufficient. Please charge or change the battery.
The battery power consumes quickly after charge.	<ul style="list-style-type: none"> The battery life is finished. Please change for new battery.
Communication with other members can not be carried out.	<ul style="list-style-type: none"> Please check if your frequency and CTCSS/CDCSS are the same with other members in your group. Maybe you are too far away from other members. Please check if you are within communication range.
Voices of non-group members are heard on the channel.	<ul style="list-style-type: none"> Please change CTCSS/CDCSS, and change those of your members, too.
There is no sound during transmitting or quite low sound received by the partner.	<ul style="list-style-type: none"> Please check if the volume is turned to its highest level. Ask your local dealer to check if the MIC is in good condition.
The noise is always heard on the channel.	<ul style="list-style-type: none"> You may be too far away from other members and can not receive. Please get close to your members and try again.

Maintenance

Your radio is a product with excellent design and technology, please treat it with care. These recommendations can help you effectively use the radio.

- Keep the radio dry. Rain, moisture or other liquid may cause damage to the radio.
- Do not throw, hit or vibrate the radio. Brutal treatment may damage the inner IC or other elements.
- Do not hold the radio by the antenna or external MIC.
- Please use the original or standard antenna. Unapproved antenna or modifications of accessories may cause damage to the radio.
- Use lint-free cloth to clean the dust or stains on the radio.
- Cover the earphone/microphone pad when not using the radio.
- Use mild detergent (not corrosive chemicals) and cloth to clear the casing, control knob and keyboard after long-time use.



Note:

All recommendations above also refer to your battery, charger and accessories. If any of them works abnormally, please send it to nearest service center.

Appendix

Appendix 1: Specification

Item	Pronto P-5000S
Frequency Range	P-5100 VHF: 136~174MHz P-5200 UHF: 400~470MHz P-5446 UHF: 446.00625~446.09375MHz
Channel Capacity	16(15+S)
Channel Spacing	25.0kHz / 12.5kHz
Frequency Stability	±2.5ppm
Operating Temperature°C	-35°C~ +60°C
Antenna Impedance	50Ω
Operating Voltage	7.4V

Item	Pronto P-5000S
RF Output Power	UHF:4W/1W VHF:5W/1W
Audio Distortion	≤5%
Sensitivity	0.22uV/0.25uV
Max Audio Output Power	1.5W
Dimension (H×W×D)	118× 55× 34mm
Weight (with antenna & battery)	252g
Li-poly Battery	1600mAh

Appendix 2: Frequency Chart (Used to record the frequency.)

Model:

Serial number:

Channel	Tx Frequency	Tx CTCSS/CDCSS	Rx Frequency	Rx CTCSS/CDCSS	Optional Signaling
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					