



INSTRUCTION MANUAL

PT6200

FM HANDHELD TRANSCEIVER




NOTE




INSTRUCTION MANUAL

PT6200

FM HANDHELD TRANSCEIVER

We are very grateful for your purchasing  brand transceivers produced by Kirisun Electronics (Shenzhen) Co., Ltd.

We believe  transceiver, which always incorporates the latest technology, can bring great convenience to your life and work; we also believe that the quality and function of transceiver can meet your demands for reliable communication.

NOTICE TO THE USER:

Government laws prohibit radio communication without permission in government districts.

Illegal operation is punishable by fine and/or imprisonment.

Refer service to the well-trained professional technicians only.

Important note:**FCC Information**

MODIFICATIONS OR CHANGES NOT EXPRESSLY APPROVED BY THE MANUFACTURER COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

IMPORTANT NOTE: To maintain compliance with the FCC's RF exposure guidelines, hold the transmitter and antenna at least 1 inch (2.5 centimeters) from your face and speak in a normal voice, with the antenna pointed up and away from the face. If you wear the headset on your body while using the headset accessory, use only the manufacturer's supplied belt clip for this product and ensure that the antenna is at least 1 inch (2.5 centimeters) from your body when transmitting. To provide the recipients of your transmission the best sound quality, hold the unit at least 5cm (2 inches) from the mouth, and place the antenna slightly off to one side.



Your radio generates radio frequency electromagnetic energy during transmission mode. The radio is designed for and classified as "Occupational Use Only" and must be used by individuals who are properly trained and aware of these hazards and the means in which to minimize such hazards. This radio is NOT intended for use by the "General Population" or in uncontrolled environments.



To ensure that your exposure to radio frequency electromagnetic energy is within the FCC allowable limits for occupational use, always follow these guidelines:

DO NOT operate the radio without a proper antenna attached, as this may damage the radio and increase your RF exposure. A proper antenna is supplied with the 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 the total radio use time (this is a maximum 50% duty cycle radio). Transmitting more than 50% can cause FCC RF exposure compliance requirements to be exceeded. Pressing the PTT switch enables the radio to transmit.

ALWAYS use ONLY authorized accessories with this radio. Use of unauthorized accessories can cause the FCC RF Exposure compliance requirements to be exceeded.

SAFETY

It is important that the user is aware of and understands hazards common to the operation of any transceivers.

WARNING!

Turn off your transceiver prior to entering any area with a potentially explosive atmosphere (where the air contains gas, dust and smog, etc.), such as while taking on fuel, or while parking at a gasoline service station.

PRECAUTIONS IN USE

Please comply with the following attentions to avoid fire, bodily injury and damage to the transceiver.

The transceiver is recommended to transmit for 1 minute and receive for 4 minutes. Long time transmitting or continuous working in high power mode will make the rear side of the transceiver generate heat.

Please don't disassemble or assemble the transceiver under any circumstances.

Please don't expose the transceiver to direct sunlight for a long time; don't place the transceiver near any heating devices, either.

Please don't put the transceiver in extremely dusty, moist or dabbling places; don't place it on unstable surfaces, either.

If the transceiver emits smoke or strange odors, turn it off and remove the battery from the transceiver and promptly contact your local authorized KIRISUN dealer.

CONTENTS

1 Unpacking and Checking the Equipment	1
1.1 Supplied Accessories	1
2 Preparation	2
2.1 Battery Care Tips	2
2.2 Battery Recycling and Disposing	3
2.3 Charging the Battery	3
3 Accessories	5
3.1 Installing/ Removing the Battery Pack	5
3.2 Installing the Antenna	6
3.3 Installing the Belt Clip	6
3.4 Installing the Dust Cover over the Versatile Connector	6
3.5 Installing the Optional Speaker/ Microphone	7
4 Getting Acquainted	7
4.1 Transceiver Overview	7
4.2 Programmable Auxiliary Functions	9
5 Basic Operation	10
6 Advanced Operations	11
6.1 Key Lock (Backup)	11
6.2 Monitor/Squelch off	12
6.3 Scan	12
6.4 CALL 1/ CALL 2	14
6.5 Scrambler (Backup)	14
6.6 VOX	14

6.7 Wireless Clone	15
6.8 Emergency Alert	16
7 Auxiliary Functions	17
7.1 Time-out Timer (TOT)	17
7.2 Battery Saving	17
7.3 Low Battery Warning	18
7.4 Voice Annunciation of Channel Number	18
7.5 Busy Channel Lockout (BCL)	18
7.6 Clear Tail Tone	19
7.7 Remote Kill	19
7.8 CTCSS/ DCS	19
7.9 DTMF	20
7.10 KDC 1200	21
7.11 2-Tone	21
7.12 5-Tone	22
7.13 Transmitting Beginning/ Ending Signaling	23
8 Troubleshooting	24
9 Technical Specifications	26
10 Settings (by the Dealer)	27

1 UNPACKING AND CHECKING THE EQUIPMENT

Unpack the transceiver carefully. We recommend that you identify the items listed in the following table before discarding the packing material. If any items are missing or have been damaged during shipment, please contact the dealer immediately.

1.1 Supplied Accessories

ITEM	QUANTITY
Antenna	1
Belt clip	1
Dust cover	1
Screw	1
Battery	1
Charger	1
Power adapter	1
User's manual	1
Hand strap	1



Antenna

Power adapter

Belt clip

Battery



2 PREPARATION

2.1 Battery Care Tips

The transceiver is equipped with a KIRISUN Li-ion/Ni-MH Battery Pack, the following using tips of which can help you to get the best battery performance and longest battery life.

- 1) Charge the new battery pack continuously for 4~7 hours before its initial using, which ensures the maximum battery capacity and best performance in using.
- 2) Charging the battery pack in non-KIRISUN equipments will cause battery damage and the battery warranty invalid.
- 3) The battery pack can be charged while in the transceiver, and to ensure it is fully charged it's recommended to charge the battery pack with the transceiver turned off.
- 4) The ideal temperature to store the battery pack is 25℃ (room temperature). Charging the battery pack at a low temperature (below 0℃) will cause electrolyte leakage and damage to the battery pack.
- 5) Charging the battery pack at a high temperature (above 45℃) will cause decrease in battery discharge capacity and affect the transceiver performance. The KIRISUN rapid charger has a temperature sensor, which ensures the battery is charged within the temperature range mentioned above.
- 6) A new battery shows no significant life shortening even after two-year storage. The new or used battery should be

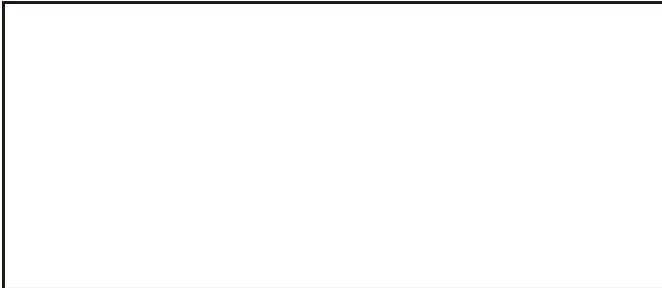
Charger

Dust cover

Screw

Hand strap

7) If recharge the battery pack after long storage, you should charge it continuously for 4~7 hours.8) Do not leave the



transceiver and battery in the charger when not charging. Overlong charging will shorten the battery life. (Please do not use the charger as the transceiver's mounting bracket.)

- 9) Please use KIRISUN charger to ensure battery normal work and prolong its life. The battery and charger are designed under an integrated concept of power system.

2.2 Battery Recycling and Disposing

After the battery life expires, the Li-ion battery can be recycled.

KIRISUN goes in for the recycling of all the rechargeable batteries. For more details please contact your local KIRISUN dealer.

2.3 Charging the Battery

A new battery, or a battery the power of which appears low needs charging before using.

Note:

The battery is not fully charged in the factory, and probably the new battery is falsely indicated as full charge. Before the initial use, please charge the new battery continuously for 4~7 hours.

Charger Indicator	Status
Red	The battery is in the state of charging.
Green	The battery is in full charge or the charger is not connected with the battery.
Flashing red	Pre-charge
Yellow	The battery temperature is abnormal.
Dim	The battery is damaged and unable to be charged.

- 1) Connect the power adapter with the battery charger. Plug the adapter into an AC wall outlet and the indicator turns green.
- 2) Place the battery or transceiver into the charger slot. The indicator turns red or flashes, then the charger gets in the state of charging automatically. Charging time depends on battery capacity. When battery is fully charged the indicator turns green.



Notes:

- 1) The battery is not fully charged in the factory. Before the initial use, please charge the new battery

- 2) The charger will stop charging and the indicator turns yellow if the charger detects the battery is damaged or if the temperature of the battery is too high (higher than 50 °C for Ni-MH battery or 40 °C for Li-ion battery).
- 3) Do not charge the battery longer than the specified time.

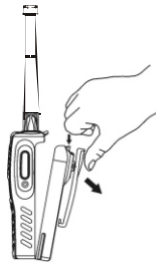
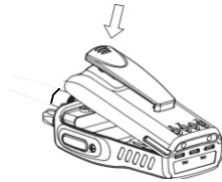
And do not charge the battery again if it is charged fully, otherwise, its life will be shortened or it will be damaged.

3 Accessories

3.1 Installing/Removing the Battery Pack

To install the battery pack:

- 1) Match the 3 bulges of the battery pack with the corresponding holes at the rear bottom of the transceiver;
- 2) Then firmly press the battery pack downwards to lock it in place until a click is heard.



To remove the battery pack:

- 1) Use your thumb to press the belt clip, and one side of your index finger to press the release button;
- 2) And then pull the battery

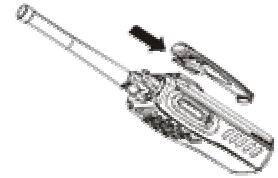
3.2 Installing the Antenna

Screw the antenna into the connector at the top of the transceiver by holding the bottom of the antenna and turn it clockwise until secure.



3.3 Installing the Belt Clip

Match the grooves of the belt clip with those on the rear of the battery. Then press the belt clip downwards to lock it in place.



3.4 Installing the Dust Cover over the Versatile Connector

When not using the optional Speaker/Microphone, install the dust cover over the versatile connector with the supplied screw.



