INSTRUCTION MANUAL

PT7200
FM HANDHELD TRANSCEIVER

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Kirisun

INSTRUCTION MANUAL

PT7200

FM HANDHELD TRANSCEIVER

We are very grateful for your purchasing **Kirisun** brand two-way radios produced by Kirisun Electronics (Shenzhen) Co., Ltd.

We believe **Kirisun** two-way radio, which always incorporates the latest technology, can bring great convenience to your life and work;

We also believe that the quality and function of **Kirisun** two-way radio can meet your demands for reliable communication.

PRECAUTIONS

Please observe the following precautions to prevent fire, personal injury, and radio damage.

Do not operate your radio while taking on fuel, or being charged.

Do not expose the radio for a long period to direct sunlight, nor place the radio close to heating appliances.

Do not place the radio in excessively dusty areas, humid

areas，or on unstable surfaces.

Do not modify this radio for any reason.

Refer service to qualified licensed or certificated technicians only.

Notice to the User:

• Government laws prohibit radio communication without permission in government districts.

• Illegal operation is subject to punishment by fine and/or imprisonment.

• Refer service to the well-trained professional technicians only.

Safety

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

Warning!

Turn off your radio before 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 radio.

• The radio 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 radio generate heat.

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

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

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

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

CONTENTS

■ UNPACKING AND CHECKING EQUIPMENT

Carefully unpack the radio. We recommend that you identify the items listed in the following table before discarding the packing material. If any damage has occurred during shipment, please contact the dealer immediately .

◆ SUPPLIED ACCESSORIES

| ITEM	QUANTITY
Antenna	1
Switching Power Supply	1
Belt clip	1
Charger	1
Hand strap	1
Li-Polymer battery	1
Instruction manual	1

Antenna	Switching Power Supply	Belt clip
Charger	Hand Strap	Battery

■ PREPARATION

◆ CHARGING THE BATTERY PACK

Plug the power adapter into the proper AC wall outlet; and insert the cable of the power adapter into the adapter socket on the charger; Green LED lights after it enters normal work.
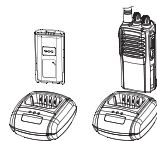
Insert the battery or the radio to be charged into the charger slot. Turn off the radio before insert it into the charger.
Make sure the battery is in good contact with the charger terminals. When the red indicator lights, the charger begins to charge the battery.
After charging for about 5 hours, the red indicator turns dim and the green indicator lights indicating the battery has been fully charged.

Leave the battery in that sate of green indicator for 1~2 hours before you remove it from the charger to achieve the best performance of the battery. Then you can disconnect the power adapter from the AC outlet.
Yellow LED lights when charging temperature or circuit is abnormal and the charger enters protection state. Please stop charging in such situation. Remove the battery from the charger and cut off charger power.

Notice:
* The battery is not fully charged in the factory, and please charge the new battery when you use the radio for the first time.
* The radio is supplied with a KB-70A Ni-MH/KB-70B Lithium battery manufactured by KIRISUN.

* When you charge the battery for the first time after purchasing or long storage (over 2 months), you should repeat charging it several times to achieve the normal battery capacity.

* Do not recharge the battery if it has been fully charged or the battery power doesn't become low, otherwise it might affect the battery life or performance. Remove the battery from the charger after charging.

* When using KB-70A, if the radio enters low power warning state, please recharge the battery. Do not use the radio in low power state, which will affect the battery life and performance.

* The built-in protection circuit in the battery KB-70B will cut off power when power appears low. If you charge it in the charger then, the red indicator won't light immediately. About 1~5 minutes later, the charger indicator will become normal.
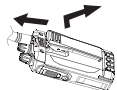
◆ **INSTALLING /REMOVING THE BATTERY PACK**

Installing the Battery Pack
Match the 2 bulges of the battery pack with the corresponding slots at the rear bottom of the radio.
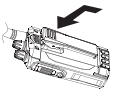
Installing the Battery Pack
Then firmly press the battery pack downwards to lock it in place until a click is heard.

Removing the Battery Pack
To remove the battery pack, push the latch upwards and then pull the battery away from the radio.

Notice:
* Do not short-circuit the battery terminals or dispose exhausted battery In fire.
* Do not disassemble the battery casing.

◆ **INSTALLING THE ANTENNA**

Screw the antenna into the connector at the top of the radio by holding the bottom of the antenna and turn it clockwise until secure.
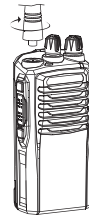
◆ **INSTALLING THE OPTIONAL SPEAKER /MICROPHONE**

Insert the Speaker/Microphone plug into the jacks of the versatile connector.
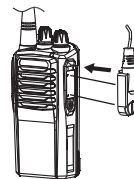
◆ **INSTALLING /REMOVING THE BELT CLIP**

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.
To remove the belt clip, use your nail or a tool to lift the metal spring piece in the belt clip from the topside, and then pull the belt clip away from the radio.

RADIO OVERVIEW

① **LED Indicator**

Lights red when transmitting; lights green when receiving.

Flashes orange when receiving the identical 5-Tone Signalling.

Flashes red when battery power appears low.

② **Channel Selector**

Rotate to select channel 1~16.

③ **Power/Volume Knob**

Turn clockwise to switch on the radio.

Turn counterclockwise till a click is heard to switch off the radio.

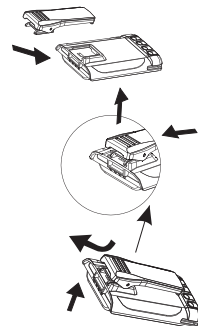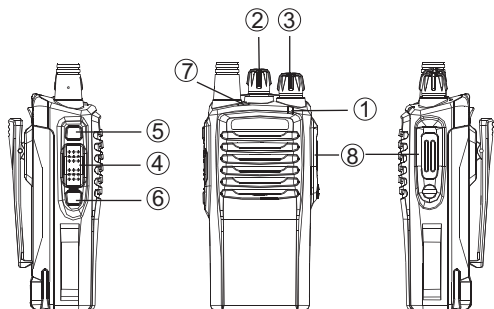Rotate to adjust the volume after turning on the radio.

④ **PTT (PUSH-TO-TALK) Button**

To make a call, press and hold the PTT button, then speak into the microphone in normal voice. Release the PTT button to receive signals.

⑤ **Side Button 1 (Programmable Button)**

⑥ **Side Button 2 (Programmable Button)**

⑦ **Top Button (Programmable Button)**

⑧ **Speaker/Microphone Jacks**

Used to connect the optional speaker/microphone.

BASIC OPERATIONS

Switch On
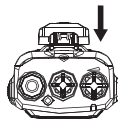
Switch on the radio by turning the Power/Volume switch clockwise till a click is heard, then the radio will be in the state of stand by and you will hear a beep if the dealer has set it. And then you will hear voice annunciation of the current channel number.
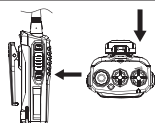
Adjust Volume

Press the monitor button to listen to the background noise and rotate the Power/Volume switch to adjust volume.
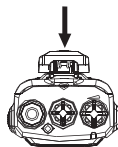
Select Channels

Rotate the channel selector to select channels.

You will hear voice from the speaker while receiving proper signals.

If voice annunciation of channel number has been set, the radio will annunciate the current channel number.

Make a Call

　　To make a call, select the desired channel, press and hold the PTT button, and speak in normal voice. Please keep your mouth 3~8 cm away from the microphone.

Receive a Call

　　Release the PTT button to receive a call. Select the desired channel, adjust the volume to a proper level, and then you can receive others' voice.

■ PROGRAMMABLE BUTTON FUNCTION

The dealer can program the side button 1, side button 2 and the top button with the following auxiliary functions:
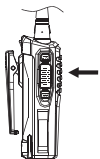
Null (No Function)
Channel Annunciation
Whisper
Talk-around
CALL 1/2/3/4
Lone Work
Emergency Alarm
Cancel Emergency Alarm
Man-down Alarm
Scan
Temporarily Delete Noise Channel
Call Forward

High/Low Power Switch
Squelch Level adjust / Check
Monitor Momentary/Call Cancel
Monitor/ Call Cancel
Squelch off Momentary/Call Cancel
Squelch off/ Call Cancel
Key Lock
Compander
Scrambler
Battery Power Check
Rental Time Check
GPS GPS Position Annunciation
GPS ID GPS ID Annunciation
GPS GPS Time Annunciation

The dealer can program the following functions:

● **Null**
No Function is programmed.

● **Chan Annunciation**
Pressing this key to switch on and off the channel annunciation function.

● **Whisper**
After pressing this key, receiver also can hear you even you speak lightly; Press key again will disable the whisper mode.

● **Talk Around**
After pressing this key, the radio will transmit with the RX frequency.

● **CALL 1/CALL 2/CALL3/CALL4**
Press the side button set as "CALL 1/CALL 2/CALL3/CALL4" to transmit the stored coding.

● **Lone Work**
When the radio is set in Lone Work, it will sounds pre-alert tones before the Lone Work time expires, and the user should press any key on the radio within the Reset Time, indicating the user is safe, otherwise, the radio will activate emergency alert automatically.

● **Emergency Alarm**
When you press the top button set as "Alarm" the radio can sound alarm tone or transmit ID code or background tone to your partners or the system, both of which can be chosen in radio programming by PC software.

● **Cancel Emergency Alarm**
Press the top button set as "Alarm" to cancel Emergency Alarm.

● **Man-down Alarm**
Press this key to enter man-down alarm mode, which is optional function.

● **Scan**
A) Press the button set as "Scan" to start scanning. When in scanning, the radio checks signals on each channel; it stops scanning and pauses on the channel on which signals are detected until the signals disappear. If a delay time has been set between the interval of signal disappearing and scanning restarting, the radio will keep staying on that channel if it receives any signals during the delay time.

B) The working channel of the radio will revert to the following channels automatically when you press PTT button during scanning. The dealer can select one among the following six options.:
1) Start channel
    When pressing PTT button, the radio will transmit from the channel described in the Start.
 2) Selected channel
     When pressing PTT button, the radio will transmit from the channel selected.
3) Last called
When pressing PTT button, the radio will transmit from the last channel that received a call.
4) Last used
    When pressing PTT button during the scanning, the radio will transmit from the last channel you used to talk.
C) Priority Scan
During scanning, if the priority channel has been set on the radio, when the priority channel receives signals the radio will automatically switch to the priority channel even the normal channel is receiving signals at that time. And the radio will stay on the priority channel till the signals disappear. The dealer can set the delay time between signal disappearing and continuing scanning.

● **Temporarily Delete Noise Channel**
When scanning pauses on a channel, press and hold the button programmed as "Temporarily Delete Noise Channel" to delete this channel temporarily from the scanning list.
Note: The priority channel cannot be deleted. And when the number of scanning channels is less than 2, you cannot delete any

channel, either.
After exiting scanning mode and entering it again, the temporarily deleted channel will be added in the scanning list again.

● **Call Forward**
Press this key to enter mode.

● **High/Low Power Switch**
Press the key set as "High/Low Power Switch" to switch between high and low power.

● **Squelch Level Adjust / Check**
Press and hold the key set as "Squelch Level Check" to hear broadcast of the squelch level of the current channel.
Press the key set as "Programmable Squelch" to change squelch level. Press once to increase one grade (cycle of 9-0; when in level 0 a beep sounds; if the channel has not been set with Signalling, squelch keeps long active.) and store the change.

● **Monitor Momentary/Call Cancel**
Press the side button set as "Monitor Momentary" to turn off CTCSS, DCS, and 5-Tone and to hear the signals that cannot be heard when in work mode . Release the Monitor key to return to work mode.
When in selective call state, press this key to exit selective call.

● **Monitor/ Call Cancel**
Press the side button set as "Monitor" to turn off CTCSS, DCS, and 5-Tone and to hear the signals that cannot be heard when in work mode. Press again the Monitor key to return to work mode.
When in selective call state, press this key to exit selective call.

● **Squelch off Momentary/Call Cancel**
Press the button set as "Squelch off Momentary" to open the squelch; release it to exit.
When in selective call state, press this key to exit selective call

● **Squelch / Call Cancel**
Press the button set as "Squelch off" to open the squelch; press it again to exit.
When in selective call state, press this key to exit selective call

● **Key Lock**
Press the button set as "Key Lock" to lock or unlock the keys.

● **Compander**
Press the button set as "Compander" to switch between compander and Normal mode.

● **Scrambler**
Press the button set as "Scrambler" to select scrambler function to protect communication privacy.

● **Battery Power Check**
Press the button set as "Battery Power Check" to hear the current power level. One, two, three or four sound to indicate different power level separately. (One means the power is insufficient.)

● **Rental Time Check**
Press the button set as "Rental Time Check" and you will hear one, two, three or four sound to indicate the rest rental time. (One means the rental time is insufficient.)

● **GPS：GPS Position Annunciation (Optional)**
The radio can annunciate the information of the current position such as longitude and latitude through the microphone when the programmed key "GPS Position Annunciation" is pressed. (If the radio cannot locate its position, then it will annunciate "un-positioned").

● **GPS ID：GPS ID Annunciation (Optional)**
The radio can annunciate the ID number through the microphone when the programmed key "GPS ID Annunciation" is pressed.

● **GPS：GPS Time Annunciation (Optional)**
The radio can annunciate the current time when the programmed key "GPS Time Annunciation" is pressed. (The time zone can be set by the dealer; if the radio cannot discover the position, then it will annunciate "un-positioned".

■VOX (Voice Operated Transmission)
VOX allows hands-free transmission on the radio when using the appropriate earphone/headset.
Two types of VOX are available: built-in and external.
If VOX has been set, when speaking voice reach the preset volume, VOX will activate the radio to transmit automatically.

■Wired Cloning Mode
To enter the clone mode, wired cloning function should be set on both host and sub radio.
Wired cloning procedures are as follows:
1) Press and hold the Side Button 1 and 2 on the host radio while turning on the radio; about 2 seconds later, orange indicator flashes twice and the radio enters cloning mode.
2) Press once the PTT button on the host radio, and then the sub radio to receive data will enter Wired Cloning Mode.
3) In the cloning mode, the host radio lights red indicator and the sub radio lights green indicator.
Note:
During the course of cloning, if the radio models or software versions doesn't match, the host radio flashes red indicator (0.25s On 0.25s Off), and the sub radio restart; if no data is transferred, the host radio flashes red indicator (0.25s On 0.25s Off), and the sub radio restart.

■ RADIO SETTING
◆ **TOT (Time-out Timer)**
1) TOT (Time-out Timer)
A) Time-out timer is to prevent any caller from occupying one certain channel and radio transmitting overlong.
b) You can program the time-out timer, i.e. the time the radio can transmit continuously. If the radio has been transmitting continuously longer than the preset time, the radio will stop transmitting and warning tone sounds, and please release the PTT button.

2) TOT Re-key
a) TOT re-key specifies the time when transmission is prohibited after the time-out timer is activated.
b) During the time of transmitting prohibition, if you press the PTT button, warning tone sounds and transmitting is prohibited.

3) TOT Pre-alert

a) Before the time-out timer stops transmitting, the radio sounds pre-alert tone.
b) After the alarm tone, if the transmitting time is longer than the preset time limit, the time-out timer will be activated.

4) TOT Reset
a) TOT Reset is the delay time between releasing the PTT button and resetting the time-out timer.
b) If the time of releasing the PTT button is shorter than the TOT Reset, the countdown of transmitting prohibition will continue.

◆ **Battery Save**
The dealer can program the battery save type.
If the battery save function has been set, 10 seconds after no signals being received or no operations being conducted, the radio enters the battery save mode. It will exit the battery save mode automatically after receiving signals or being conducted.
Battery Save Types: 1:1, 1:2, 1:4 and OFF.
Battery save function can decrease the battery power consumption.

◆ **Low Power Warning**
Low power warning tone sounds and LED flashes when the battery power goes below the preset value and you need to recharge the battery. In very low battery status transmission is prohibited.

◆ **Channel Annunciation**
The dealer can activate or prohibit this function. Two types of Chinese and English annunciation are available.
When switching to a channel by rotating the channel knob, the current channel number will sound.

◆ **CTCSS/DCS**
The dealer can set CTCSS/DCS on the radio channels to ignore calls on the same channel from irrelevant radios.

Note:
Using a CTCSS/DCS channel doesn't mean your calls are private. If the CTCSS/DCS tones of other radios are identical with those on yours, they can hear your calls.

■ **User Template**
A user template includes PTT code-transmitting, encoding, decoding, Busy Channel Lockout, Call 1/2/3/4, RX squelch mode, TX conditions and decoding conditions, etc. Maximum 16 user templates are available on this radio.

◆ **RX Squelch Mode**
The dealer can set conditions under which the speaker will be activated from the following 4 options:
1) CTCSS/DCS and Audio Squelch: The speaker will be activated only when both CTCSS/DCS and the selective Signallings match.
2) Audio Squelch: The speaker will be activated when the selective Signallings match.
3) CTCSS/DCS Squelch: The speaker will be activated when CTCSS/DCS match.
4) Carrier Squelch: The speaker will be activated when carrier wave presents

◆ **DTMF**

The dealer can set DTMF Signalling into encoding sequence. If DTMF is set in the encoding template, press the corresponding programmable button "Call 1", "Call 2", "Call 3", or "Call 4" o transmit the coding.

◆ **5-Tone Signalling**
The dealer can activate or inactivate this function by programming.
5-Tone has 9 encoding formats: CCIR1, CCIR2, ZVEI1, ZVEI2, SVEI3, EEA, EIA, USER DEFINED 1, and USER DEFINED 2. The last tow formats are user defined.

1) 5-Tone Decoding
The decoding template is 5-tone decoding. Received tone telegram matches the decoding template, decoding succeeds. When receiving proper 5-tone Signalling, squelch will be activated according to the "RX Squelch Mode" defined by the user. You can receive the call and LED flashes orange.
After the radio decoding succeeds, the radio will work according to the decoding call response set by the dealer.

2) 5-Tone Encoding
Encoding template consists of at least one and at most three encoding sequences, and each decoding sequence can be set with 5-Tone, and DTMF. If it is set with 5-Tone, you need to program its content.
If the PTT ID on the channel you select has been set with 5-Tone, 5-Tone Signalling will be transmitted when making a call.
Or transmit 5-Tone signal by pressing the Call 1/2/3/4 button,, which can be set by the dealer.

◆ **2TONE Signalling**
This function can be enabled or disabled by dealers through programming software.
2Tone has 4 systems; the single tone continuous time, such as first tone or second tone, could be set by the dealer.

1) 2Tone decode
If the received 2 tone is same as the template chosen then it can decode successfully.
After the radio received the correct 2 tone signaling, according to the "Receive squelch mode" set by the user, the squelch will be ON. Then, the radio can receive the call and the orange LED light flashes.
After decoding successfully, the radio can work according to the decode call response set by the dealer.

2) 2Tone encode
The encoding template is set in the 2 tone call list. The details must be set if encoding is ON.
The radio transmits the 2 tone signaling when the programmed call button is pressed.(The side button could be programmed as "Call1/2/3/4"). This function is programmed by the dealer.

◆ **MDC Signaling**
This function can be enabled or disabled by the dealers through programming software.
MDC has 4 systems, in which different main ID, group ID, etc. could be set by the dealer.

1) MDC decode
The option MDC system can be set through the RX signaling

system in the personal template. If the received MDC code is same as the one set in the system, it can decode successfully. After the radio received the correct MDC signaling, according to the "Receive squelch mode" set by the user, the squelch will be ON. Then, the radio can receive the call and the orange LED light flashes.

2) MDC encode
If the PTT ID of the chosen channel is set as MDC, the MDC code will be transmitted when calling.

■ TROUBLE SHOOTING GUIDE

NO.	PROBLEM	SOLUTION
1	The radio cannot be switched on or no display after switched on.	● Battery pack may not be installed properly. Remove the battery pack and install it again. ● Battery power may be insufficient. Recharge or replace the battery pack.
2	The battery power consume quickly after charging.	● The battery life is finished; please replace it with a new battery pack.
3	Cannot talk to or hear others in your group.	● The frequency or QT/DQT Signallings are not identical and please reprogram it. ● Make sure the SP un-mute setting of the selective Signalling 5-Tone in user solution is proper. ● Out of the communication range.
4	Other voices from	● Change the QT/DQT tone, and make sure

	non-group members are heard on the channel.	change the tone on all radios in your group. ● Please set 5-Tone selective Signalling on the channel.
5	Communication range is too short.	● Make sure the antenna is well connected. ● Make sure the antenna is the original one. ● Check if the battery power is in the normal state. ● Ask your local dealer to adjust the squelch level.
6	Unable to transmit.	● Make sure the PTT button has been pressed completely. ● Battery power may be insufficient. Recharge or replace the battery pack. ● Transmitting frequency has not been set on the channel or the radio has been remote killed.
7	Noise is too loud.	● Battery power may be insufficient. Recharge or replace the battery pack. ● Out of the communication range.

■ MAJOR SPECIFICATIONS

PT7200		
Frequency Range (MHz)	(1) 136~174	(2) 400~470
		(3) 450~520
		(4) 350~400
RF Power	5W (H) / 1W(L)	4W (H) / 1W(L)
Spurious and Harmonics	≤-70 dB	
Frequency Stability	± 2.5ppm	
Maximum Frequency deviation	± 5kHz (W)/ ± 3.5kHz (M)/ ± 2.2 kHz (N)	

Receiver Sensitivity	Narrow Band ≤0.28μV / Wide Band ≤0.25μV
Adjacent Channel Selectivity	≥60dB (N)/ 70dB (W)
Intermodulation Reject Ratio	≥65dB
Maximum AF Output Power	≥1000mW
Number of Channels	16
Battery（Standard）	DC 7.4V
Dimension (W×H×D)	54.5mm×113 mm×35mm
Weight	355g（With battery and antenna）

■ SETTINGS (set by the dealer)

Model: _____   **Serial No.: _____**

1)   Channels List

Channel	Transmitting Frequency	Receiving Frequency	QT/DQT Decode	QT/DQT Encode	Power	Channel Spacing	User Solution
1							
2							
3							
4							
5							
6							
7							
8							

Channel	Transmitting Frequency	Receiving Frequency	QT/DQT Decode	QT/DQT Encode	Power	Channel Spacing	User Solution
9							
10							
11							
12							
13							
14							
15							
16							

2) Optional Functions
    Time-out Time (TOT)
            15-600s   ☐
    Squelch Level
            1-9   ☐
    Voice Annunciation
            Chinese   ☐   English☐
    Battery Save
            OFF   ☐   1:1   ☐
            1:2   ☐   1:4   ☐
3) Auxiliary Function Button Settings :
    Top Button
    Null   ☐   ☐
    Channel Annunciation   ☐   ☐
    Whisper   ☐   ☐
    Talk-around   ☐   ☐
    CALL 1/2/3/4   ☐   ☐
    Lone Work   ☐   ☐
    Emergency Alarm   ☐   ☐
    Cancel Emergency Alarm   ☐   ☐
    Man-down Alarm   ☐   ☐

Scan	☐	☐
Temporarily Delete Noise Channel	☐	☐
Transport	☐	☐
High/Low Power Switch	☐	☐
Squelch Level Check	☐	☐
Monitor Momentary/Call Cancel	☐	☐
Monitor/ Call Cancel	☐	☐
Squelch Momentary/Call Cancel	☐	☐
Squelch / Call Cancel	☐	☐
Key Lock	☐	☐
Compander	☐	☐
Scrambler	☐	☐
Battery Power Check	☐	☐
Rental Time Check	☐	☐

Side Button 1

Null	☐	☐
Channel Annunciation	☐	☐
Whisper	☐	☐
Talk-around	☐	☐
CALL 1/2/3/4	☐	☐
Lone Work	☐	☐
Man-down Alarm	☐	☐
Scan	☐	☐
Temporarily Delete Noise Channel	☐	☐
Transport	☐	☐
High/Low Power Switch	☐	☐
Squelch Level Check	☐	☐
Monitor Momentary/Call Cancel	☐	☐
Monitor/ Call Cancel	☐	☐
Squelch Momentary/Call Cancel	☐	☐
Squelch / Call Cancel	☐	☐
Key Lock	☐	☐
Compander	☐	☐
Scrambler	☐	☐
Battery Power Check	☐	☐
Rental Time Check	☐	☐

GPS GPS Position Annunciation	☐	☐
GPS ID GPS ID Annunciation	☐	☐
GPS GPS Time Annunciation	☐	☐

Side Button 2

Null	☐	☐
Channel Annunciation	☐	☐
Whisper	☐	☐
Talk-around	☐	☐
CALL 1/2/3/4	☐	☐
Lone Work	☐	☐
Scan	☐	☐
Temporarily Delete Noise Channel	☐	☐
Transporth	☐	☐
Squelch Level Check	☐	☐
Monitor Momentary/Call Cancel	☐	☐
GPS GPS Position Annunciation	☐	☐
GPS ID GPS ID Annunciation	☐	☐
GPS GPS Time Annunciation	☐	☐

Monitor/ Call Cancel	☐	☐
Squelch Momentary/Call Cancel	☐	☐
Squelch / Call Cancel	☐	☐
Key Lock	☐	☐
Compander	☐	☐
Scrambler	☐	☐
Battery Power Check	☐	☐
Rental Time Check	☐	☐
GPS GPS Position Annunciation	☐	☐
GPS ID GPS ID Annunciation	☐	☐
GPS GPS Time Annunciation	☐	☐

■ **Optional Functions**

● Man Down
The radio will detect angular orientation and lack of user's motion while the Man Down function is enabled. When the radio is in non-vertical position (i.e. at a factory preset angle, e.g. 45°) for the "Man Down Emergency Delay Time" (set by the dealer), it will send a p re-alert to ne. If the pre-alert timer reaches the preset time by dealer, the radio will start emergency process.
If the radio is put vertical before starting the emergency, the "Man Down Emergency Delay Time" will be reset to the initial.

- GPS (Optional)
  GPS function enables the radio send its GPS information such as Longitude, latitude, altitude etc. to the remote control center. The control center can also realize inquiring and group management on your radio(s). Please contact your dealer for details.

Kirisun

DECLARATION OF CONFORMITY

CE 1588 (!)

We, Kirisun Electronics(Shenzhen) Co., Ltd.
     6/F, Bldg.H-2,East Industrial Zone Of Overseas
     Chinese Town,Shenzhen 518053, China

Declare on our sole responsibility that this equipment complies with the essential requirements of the Radio and Telecommunication Terminal Equipment Directive,1999/5/EC,and that any applicable Essential Test Suits measurement have been performed.

Description of equipment: FM Handheld Transceiver
Model No.: PT7200

This compliances is based on conformity with the
 following harmonised standards or documents:
 (1). ETSI EN301489-1 V1.6.1(2004-12)
 (2). ETSI EN301489-5 V1.3.1(2002-08)
 (3). ETSI EN300086-1 V1.2.1(2001-03)
 (4). ETSI EN300086-2 V1.1.1(2001-03)
 (5). EN60950：2001+A11：2004

Shenzhen, 10 Oct 2007   WenLiang, Fu
Place and date of issue   General Manager

Signature
Kirisun Electronics Co., Ltd