



PKT-03

INSTRUCTION MANUAL

THANK YOU

We are grateful you chosen LUITON for your walkie talkie applications.

NOTICES TO THE USER

- ◆ Government law prohibits the operation of unlicensed radio transmitters within the territories under government control.
- ◆ Illegal operation is punishable by fine and/or imprisonment.
- ◆ Refer service to qualified technicians only.

Safety: It is important that the operator is aware of, and understands, hazards common to the operation of any transceiver.

PRECAUTIONS

- Do not charge the battery pack when it is wet.
- Ensure that there are no metallic items located between the transceiver and the battery pack.
- If a transceiver part is damaged, do not touch the damaged parts.
- If an earphone is connected to the transceiver, reduce the transceiver volume. Pay attention to the volume level when turning the squelch off.
- Do not place the earphone cable around your neck while near machinery that may catch the cable.
- Do not place the transceiver on unstable surfaces. If the transceiver switches OFF/ON as a result of falling or hard impact, the volume and channel configurations may reset.
- Ensure that the end of the antenna does not touch your eyes.
- Do not immerse the transceiver in water.
- Always switch the transceiver power off before installing optional accessories.
- Do not look directly at the LED light while it is lit.

WARNING

Turn the transceiver power off in the following locations:

- In explosive atmospheres (inflammable gas , dust particles , metallic powders , grain powers , etc.).
- While taking on fuel or while parked at gasoline service stations.
- Near explosives or blasting sites.
- In aircraft.(Any use of the transceiver must follow the instructions and regulations provided by the airline crew.)
- Where restrictions or warnings are posted regarding the use of radio devices, including but not limited to medical facilities.
- Near persons using pacemakers.

CAUTION

- Do not modify the transceiver for any reason.
- Do not place the transceiver on or near airbag equipment while the vehicle is running. When the airbag inflates, the transceiver may be ejected and strike the driver or passengers.
- Do not transmit while touching the antenna terminal or if any metallic parts are exposed from the antenna covering. Transmitting at such a time may result in a high-frequency burn.
- If an abnormal odor or smoke is detected coming from the transceiver, switch the transceiver power off immediately,remove the battery pack from the transceiver, and contact your **LUITON** dealer.
- Use of the transceiver while you are driving may be against traffic laws. Please check and observe the vehicle regulations in your area.
- Do not expose the transceiver to extremely hot or cold conditions.
- Danger of explosion if the battery is incorrectly replaced; replace only with the a same type.
- When operating the transceiver in areas where the air is dry, it is easy to build up an electric charge (static electricity). When using an earphone accessory in such conditions, it is possible for the transceiver to send an electric shock through the earphone and to your ear.Do not use an earphone accessory in areas where static electricity can be easily generated.
- When attaching a commercial strap to the transceiver, ensure that the strap is durable, In addition, do not swing the transceiver around by the strap; you may inadvertently strike and injure another person with the transceiver.

Information concerning the battery pack:

The battery pack includes flammable objects such as organic solvent. Mishandling may cause the battery to rupture producing flames or extreme heat, deteriorate, or cause other forms of damage to the battery. Please observe the following prohibitive matters.

DANGER

- **Do not disassemble or reconstruct the battery!**
The battery pack has a safety function and protection circuit to avoid danger. If they suffer serious damage, the battery may generate heat or smoke, rupture, or burst into flame.
- **Do not short-circuit the battery!**
Do not join the + and - terminals using any form of metal (such as a paper clip or wire). Do not carry or store the battery pack in containers holding metal objects (such as wires, chain-necklaces, or hairpins). If the battery pack is short-circuited, excessive current will flow and the battery may generate heat or smoke, rupture, or burst into flame. It will also cause metal objects to heat up.
- **Do not incinerate or apply heat to the battery!**
If the insulator is melted, the gas release vent or safety function is damaged, or the electrolyte is ignited, the battery may generate heat or smoke, rupture, or burst into flame.
- **Do not leave the battery near fire, stoves, or other heat generators (areas reaching over 60°C)!**
If the polymer separator is melted due to high temperature, an internal short-circuit may occur in the individual cells and the battery may generate heat or smoke, rupture, or burst into flame.
- **Do not immerse the battery in water or get it wet by other means!**
If the battery's protection circuit is damaged, the battery may charge at extreme current (or voltage) and an abnormal chemical reaction may occur. The battery may generate heat or smoke, rupture, or burst into flame.
- **Do not charge the battery near fire or under direct sunlight!**
If the battery's protection circuit is damaged, the battery may charge at extreme current (or voltage) and an abnormal chemical reaction may occur. The battery may generate heat or smoke, rupture, or burst into flame.
- **Use only the specified charger and observe charging requirements!**
If the battery is charged in unspecified conditions (under high temperature over the regulated value, excessive high voltage or current over the regulated value, or with a remodeled charger), it may overcharge or an abnormal chemical reaction may occur. The battery

DANGER

may generate heat or smoke, rupture, or burst into flame.

- **Do not pierce the battery with any object, strike it with an instrument, or step on it!**

This may break or deform the battery, causing a short-circuit. The battery may generate heat or smoke, rupture, or burst into flame.

- **Do not jar or throw the battery!**

An impact may cause the battery to leak, generate heat or smoke, rupture, and/or burst into flame. If the battery's protection circuit is damaged, the battery may charge at an abnormal current (or voltage), and an abnormal chemical reaction may occur. The battery may generate heat or smoke, rupture, or burst into flame.

- **Do not use the battery pack if it is damaged in any way!**

The battery may generate heat or smoke, rupture, or burst into flame.

- **Do not solder directly onto the battery!**

If the insulator is melted or the gas release vent or safety function is damaged, the battery may generate heat or smoke, or burst into flame.

- **Do not reverse the battery polarity (and terminals)!**

When charging a reversed battery, an abnormal chemical reaction may occur. In some cases, an unexpected large amount of current may flow upon discharging. The battery may generate heat or smoke, rupture, or burst into flame.

- **Do not reverse-charge or reverse-connect the battery!**

The battery pack has positive and negative poles. If the battery pack does not smoothly connect with a charge or operating equipment, do not force it; check the polarity of the battery. If the battery pack is reverse-connected to the charger, it will be reverse-charged and an abnormal chemical reaction may occur. The battery may generate heat or smoke, rupture, or burst into flame.

- **Do not touch a ruptured and leaking battery!**

If the electrolyte liquid from the battery gets into your eyes, wash your eyes with fresh water as soon as possible, without rubbing your eyes. Go to the hospital immediately. If left untreated, it may cause eye-problems.

WARNING

- **Do not charge the battery for longer than the specified time!**
If the battery pack has not finished charging even after the regulated time has passed, stop it. The battery may generate heat or smoke, rupture, or burst into flame.
- **Do not place the battery pack into microwave or high pressure container!**
The battery may generate heat or smoke, rupture, or burst into flame.
- **Keep ruptured and leaking battery packs away from fire!**
If the battery pack is leaking (or the battery emits a bad odor), immediately remove it from flammable areas. Electrolyte leaking from battery can easily catch on fire and may cause the battery to generate smoke or burst into flame.
- **Do not use an abnormal battery!**
If the battery pack emits a bad odor, appears to have different coloring, is deformed, or seems abnormal for any other reason, remove it from the charger or operating equipment and do not use it. The battery may generate heat or smoke, rupture, or burst into flame.

This manual strives to ensure the correctness and integrity of the contents during its compilation. The company shall not be held responsible for any possible omission or error of the texts. The company reserves the right to make changes with regards to the design and specifications without notice.

UNPACKING AND CHECKING EQUIPMENT

Carefully unpack the transceiver. If any of the items listed below are missing or damaged, file a claim with the carrier immediately.

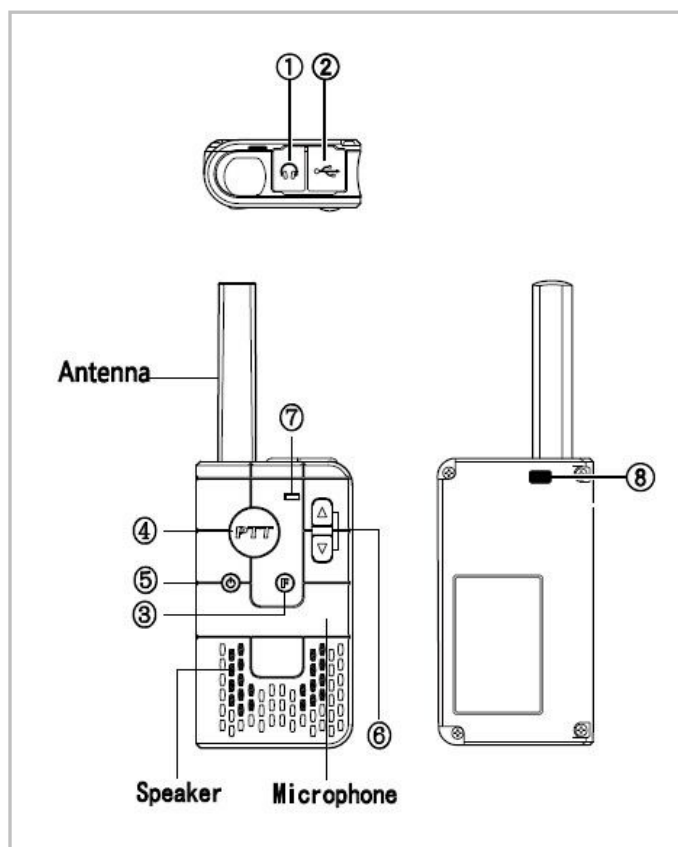
SUPPLIED ITEMS

- Transceiver.....1
- Instruction manual.....1
- Lanyard1

OPTIONAL ACCESSORIES

- USB cable
- AC Adapter
- Earphone
- Programming Cable/Programming Software

ORIENTATION








1. Earphone jack (3.5mm)


2. Micro USB jack

- Connect a USB cable to this jack to charge the transceiver battery pack.
- To charge the transceiver, use a commercially available USB cable.



3. 【】 Key

- Short press 【】 key to switch the volume / channel mode, sound "du" indicates that is channel model, sound "di" indicates that is volume mode. After entering the channel mode, do not press the 【】 or 【】 button for 2 seconds later, the volume automatically change to standby mode and sound "di".
- Press and hold the 【】 button for 2 seconds, the intercom start monitoring mode, press the 【】 button for 2 seconds again, sound "tinkling, tinkling" and the intercom stops monitoring mode.



4. 【】 (Push to Talk) switch

- Press and hold 【】 key ,then speak into the microphone to transmit , the LED indicator color turns red.

5. Power switch

- Press and hold the 【】 button for 4 seconds, the intercom entering boot mode, press and hold the 【】 button for 4 seconds again, walkie-talkie entering dormant mode.

6. / Key

- Press  /  to adjust volumes, change channels, and choose features.

4.LED indicator

- Refer to the LED Indicator Status table.

Meaning	Indicator Color
Receiving	Green
Transmitting	Red
In the Charging	Red
Charging Completed	Emerald

8.Lanyard

PREPARATION

CHARGING THE LITHIUM BATTERY PACK

The lithium battery pack is not charged at the factory , charge it before use .

Please do the charging in accordance with the following procedure:

- 1.Turn off the supply power of walkie-talkie
- 2.Plug the USB cable into the Micro USB jack (FIG.1) .

3.Connect the USB cable to your PC or AC adapter.

- The LED indicator lights red(FIG.2).

4.When charging is complete, the LED indicator lights emerald.

- It takes approximately 4 hours to charge the battery pack.

FIG.1

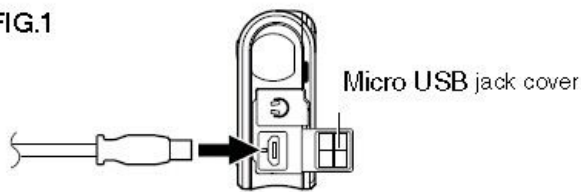
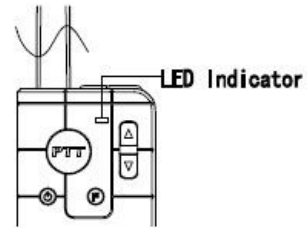


FIG.2



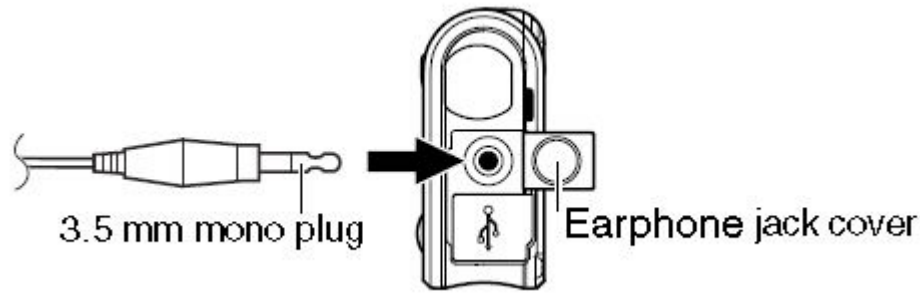
Note:

- ◆ The ambient temperature should be between 5 °C and 40 °C while charging is in progress. Charging outside this range may not fully charge the battery.
- ◆ If the use time does not increase even if after a fully correct charging, it indicates that the battery pack life is expired. Please replace it with a new battery pack.
- ◆ Before charging, please switch off the power when there is battery inside. Because it will interfere charging when the intercom is using.
- ◆ The AC adapter only can output DC voltage 5V, the minimum current 1A.

CONNECTING AN EARPHONE


Connect an earphone to the earphone jack on the top of the transceiver, and use earphone to transmit and receive.


Note: When not using headphones, earphones cover must be kept closing.



BASIC OPERATION


■ Switch ON/OFF the power


1. After power on the intercom, press and hold the  button for 4 seconds, walkie-talkie entering boot state, if the intercom is on the switch-on notification function, it will sound "dong du de", if you turn on voice reminding function, it will broadcast "Power on".



2. When switch on, press and hold the [] button again for 4 seconds, walkie-talkie will entering dormant state, if the walkie-talkie is on switch-on notification function, it will sound "de du dong".

■ Adjust the volume


1. The Machine has 16 volume to be adjusted.

2. When the walkie-talkie in the volume mode, press  key, radio receiver output volume increases to grade 1, and sounds "du---de---di". When


the intercom reaches maximum volume 16, press  key and sounds "di" which indicates the intercom has reached to maximum volume.



3. When the walkie-talkie in the volume mode, press  key, radio receiver output volume downs to grade 1, and sounds "di---de---du". When the intercom reaches to its minimum volume grade1, press  key and it sounds "di" which indicates the intercom has reached to the minimum volume.

■ Key


1. Press and hold  key, the intercom entering transmitting mode , the LED indicator color turns red.

■ Key


1. Short press  key to switch the volume / channel mode, sounds "du" indicates that is channel model, sounds "di" indicates that is volume mode.


After entering the channel mode, do not press the  or  button for 2 seconds later, the volume automatically changes to standby mode, and sounds "di".

2. Press and hold the  button for 2 seconds, the intercom start

monitoring mode, press the  button for 2 seconds again, sound "tinkling, tinkling" and the intercom stops monitoring mode.

■ Select the Channel

1. When the walkie-talkie in the channel mode, press  key, radio will turn to next available channel, sounds "dong de", and broadcasts the current channel number. When the intercom exceeds the maximum number of channels, will re-start from the first valid channel.


2. When the walkie-talkie in the channel mode, press  key, radio will turn to the last an available channel, sounds "de dong", and broadcasts the current channel number.

PROGRAMMABLE AUXILIARY FUNCTIONS

■ Time-Out Timer(TOT)

1. The time-out timer prevents callers from using a channel for an extended duration.

2. Timeout timer can be set (for 15 seconds, 30 seconds to 600 seconds; every level difference of 15 seconds) via the programming software, if you hold

the  button for continuous transmitting, and the transmission time

over the timeout time you set, the transceiver will stop transmitting, if the notification function is enabled, the radio will sound "du de".

■ **Battery Saver**

1. The machine has a power-saving mode to choose, which can be set by M860 programming software.

2. When the power saving mode is selected as Auto, intercom's initial power ratio is 1: 4, if there is no operation for a long time (no key operation and no signal received), every five minutes the radio will increase the proportion of power at 1: 4, 1: 5, 1 : 6, 1: 10, which can save more more power. If at this time there is operation, walkie-talkies will resume power-saving at 1: 4 .

3 . Under the power-saving process, when radio receive signals, the power-saving function will stop temporarily.

■ **Low power notification function**


1. When battery needs to be charged or changed, it will notify the user.

2. If the power is not enough to use the intercom, the indicator turns red. If the voice reminding function is opening, the intercom will broadcast "please change the battery" every 15 seconds.

3. When the battery is low, it's prohibited transmitting.



■ **Busy Channel Lockout(BCL)**

1. This function can prevent interfering other radio use the same channel.

Press [] button when the channel is occupied, it will sound "du de" and can not launch. Also the radio will turn back to receiving mode.

■ **Scrambling Function(Voice Encryption)**

This function has a special voice processing method which can make others using the same frequency only can hear noise, it plays an effective role in secrecy.



1. Press 【】 as well as 【】 buttons to start the radio, when the green light flashing and it sounds "du" which means the scrambling function starts.



2. Press 【】 as well as 【】 buttons again, when the red light flashing and it sounds "de de" which means the scrambling function closes.

3. This machine has eight group interference frequency to choose, and can be set through frequency M860 writing software.

■ Pressure Expansion Function(Noise reduction)


This function can effectively reduce noise and increase the clarity of the call. When doing a long distance communication, the effect is obvious.


1. Press 【】 and 【】 buttons to start, the green light flashing and sounds "du" which means the pressure expansion function starts.

2. Press 【】 and 【】 buttons to start the radio, the red light flashing and sounds "de de" which means the pressure expansion function closes.

■ Scanning Function


1. Before scanning, please be sure that there are at least two selections of "scanning and adding" item showing "have", otherwise can not enter to scanning mode.



2. Press and hold  button for 2 seconds and it sounds "du" which means the upward scanning function starts.

3. Press and hold  button for 2 seconds and it sounds "de" which means the downward scanning function starts.

4. When the scanning function starts, the radio will repeatedly scan the the channels whose "scanning and adding" item shows "have".

5. When a signal is received, radio will temporarily stay in the channel until the signal disappears. And when there are no monitoring and launching operations for a few second, the intercom resumes scanning state.

6. When radio receives a signal during scanning, press  button, radio will launch by current channel.

7. When scanning function starts, press  button or  button again for 2 seconds and it sounds "dede" which means the scanning function stops.

■ QT / DQT

1. The intercom has 39 sets of standard QT and 83 sets of DQT to install, which can options 39 standard set be setup through M860 frequency writing software.