ESS-T529 4G POC LinuX

Linux

K1 -Conn

4000 mAh

USB Type-C

Notes before using:

- Do not use the walkie talkie in an explosive environment (such as gas, dust, steam, etc.) or to charge the battery.
- Please turn off the walkie-talkie while refueling or parking at the gas station.
- Do not adapt or modify the machine whether there is any reason.
- Do not let the walkie talkie by prolonged direct sunlight, do not place it near a heating appliance too.
- Do not put the walkie talkie at the extremely dusty, damp and splashing place and do not place it on an unstable surface.
- The repair of the walkie talkie only can be carried out by professional technicians, do not disassemble by yourself.

Note :
Please read above content carefully. It is very important for walkie talkie users to gain general knowledge and understanding of risk about the use of walkie talkie.

Linux
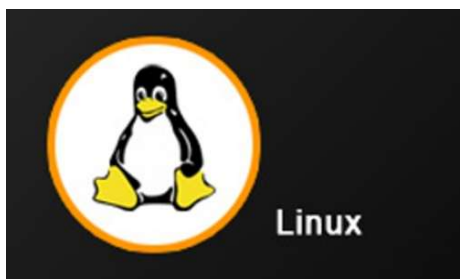
This guide is for reference only. Commitment does not constituted any form of ,and products to prevail in kind

Contents

Unpacking and checking the equipments

Please operate carefully when you do the unboxing, we recommand you to make sure all of the necessary items listed as below are all included before discarding the cardboard box.

If any items are lost or damaged in transit, please check with our distributor.

Accessories:

Items	Number
Handset	1
Lithium battery	1
Desktop charger	1
Power adaptor	1
USB charging cable	1
Antenna	1
Strap	1
Belt clip	1
User manual	1

Preparation work

※ Do not overcharge the battery

Please stop charging if it is uncompleted within the required time. The battery probably overheat, smoke, burst or suddenly on fire due to abnormal charging process.

※ Do not put battery into the microwave or high pressure container

The battery probably overheat, smoke, burst or suddenly on fire.

※ Do not expose broken battery near any kind of ignition sources.

If the battery is broken or leaking (or with abnormal odor), please remove it from flammable condition immediately. The fluid in battery is really flammable, which may cause smoke and fire.

※ Do not use abnormal battery

If something abnormal displays, like odd smelly, discolored, deformation etc, stop charging imme-diately and stop using it.

Using the Lithium Battery
Charge before using
To reduce electrical emission in battery, please remove the battery from device if not in use for a long time. Please keep the battery in cool and dry places.

Store the battery for a long time:
  Remove battery from device;
※ Charge and discharge the battery to 40%–65% status if it will NOT be used for 10 days or more. This can greatly extend the battery life.
※ The battery automatically discharges to below 65% when it is idle for more than 10 days to prevent it from swelling.
※ Store the battery in cool and dry places(with the temperature lower than 25℃)

Feature of the Lithium Battery
※ After repeated charging process, the capacity will decrease.
※ The battery capacity decay gradually even without being used.
※ More charging time required when Lithium battery is being charged in cool condition.
※ Charging and storage of Lithium battery in relatively warm condition will jeopardize its service life. Please do not keep them inside the vehicle or near the ignition sources or fire.
※ If the battery working time reduce significantly, please
replace the battery immediately to prevent fluid leak.

Charging Lithium battery
Conect the device with AC adapter, power on, the indicator light color turns to red. The indicator light color turns green when the charging finished. The indicator light off when exposing under high operating temperature, poor contact or battery damage.
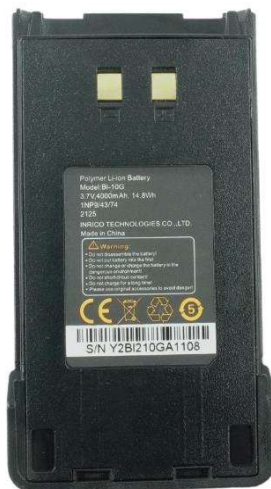
Charging with desktop charger: The charger must be placed on a flat surface away from flammable materials. Aim the radio at the charging port and place it down into the charging port of the charger base according to the instruction diagram. The battery does not need to be removed from the radio when charging. Please make sure that the radio is safe when charging in the charger base. Please do not put the radio with battery in the charger base when it is not charging.
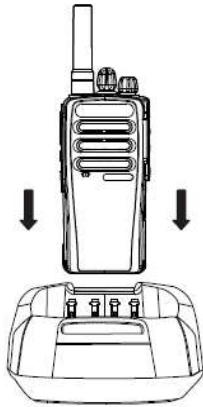
Connect the device and Power adapter by Type-c USB cable. the LED indicator light on during charging.
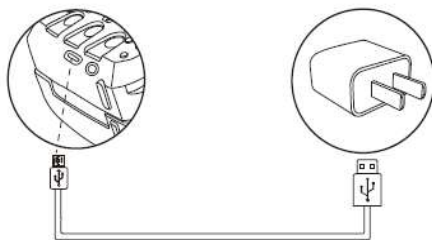
Installing accessories
Installing /Removing battery
※ Do not short circuit the battery terminal, or put the battery in fire.
※ Do not attempt to remove the shell of battery.
※ Do not install battery in any dangerous condition, since the possible flame may cause explosion.

Point the four dents of battery to the corresponding guides on the back of radio. Push the battery along the guides until the latch on the back of radio clicks.

① →
② ←
Battery latch
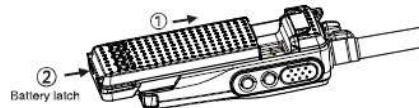
When removing the battery, pull down the latch, then push the battery backwards along the guides.

②
①
Battery latch

Unlock Battery

BOTTOM
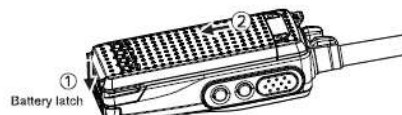
Installing antenna

Screw the antenna into the connector on the top of radio and turn the antenna clockwise to fasten it. Turn the antenna anticlockwise to remove it.

Turn the antenna clockwise (down)

Turn the antenna anticlockwise (up)
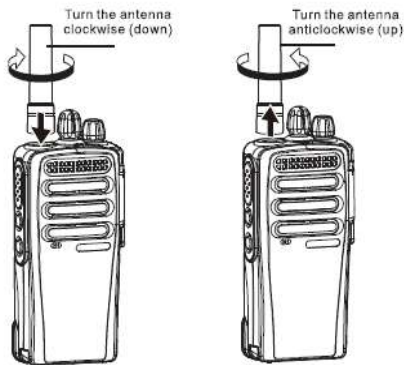
Install the belt clip

If needed, screw the belt clip onto the back of handset by two screw holes located on the back of handset to facilitate portability.

Belt clip
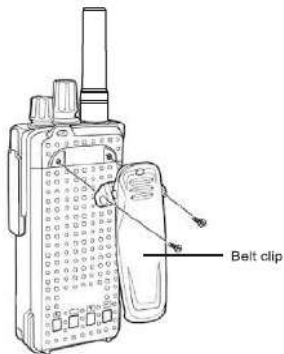
Installing sling

Take the tail of sling across the oval hole on the back of handset to install.

Installing headset

Open the cover from the top of device to show the headset sockets. Headset will work immediately after being plugged in.

Connect Antenna

TOP

Overview

- Antenna
- Channel coding knob
- Olume / Power knob
- Indicator
- Microphone
- Belt Clip
- Battery
- Charging Contact

- PTT
- Programmable key F2
- Programmable key F3
- Microphone Interface
- User-defined

Basic Function

- **Power on**

  In the off state, rotate the power/volume knob clockwise to turn on. After the device powers on successfully, the green light is steady on and then blinks, indicating that the network is being searched.
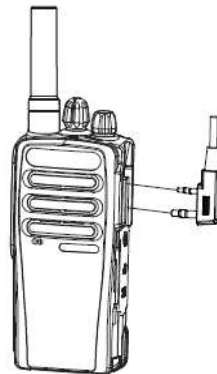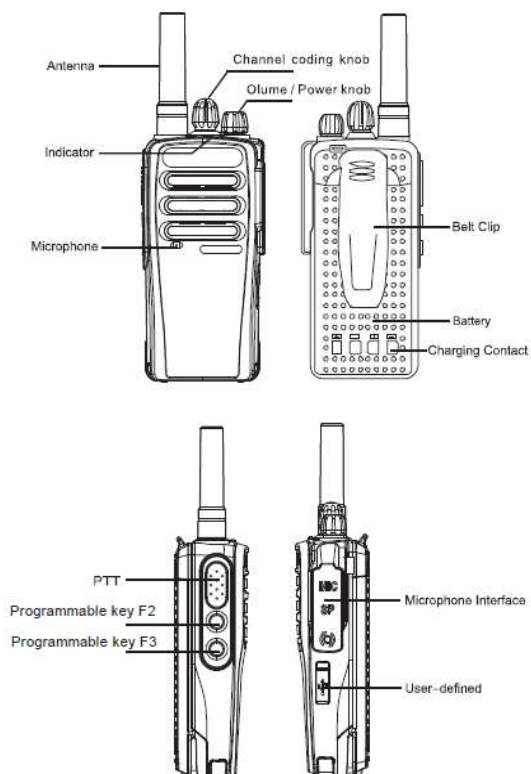
- **Power off**

  Turn the knob anti-clockwise till the knob makes a popping sound, then it will go off.

- **User Log-in**

  Once user successfully logs in, there will be voice prompts on current user information.

- **Calling**

  1 Press PTT key,to start talking. After the communication is established the device is in the calling state, and the Led light is always red; if the device is in the answering state. the Led light is always green.

  2.if the current network state is not online, green light will flash quick,press the PTT key, voice broadcasts "no network.

  3.if the current voice channel is occupied, that is, the user you're calling is talking,PTT key is invalid,voice prompts"du,du".

  4.Each maximum talking time is within 60 seconds. Once it's more than 60 seconds, speaking right will be automatically released.

- **Audio playback&Single calling**

  Long press the programmable button F2 to enter the single-call mode, press the programmable button F2, F3 again to select the member to call (voice broadcast of the current online group member). Select the member and press the PTT button to confirm that the system automatically sets up a temporary group for private call between the two parties (other members will not receive the call

- content). If there is no operation for 10 seconds, it will automatically exit the single call mode and return to the previous group call mode.

  Current Group(The Default)

- Short press key F2,that is,programmable key F2,to broadcast user name and current group. If it's in the talking stage, it will not broadcast.

  Voice prompts on current device power and APP version NO.(The Default)

- Long press keyF2,that is,programmable key F2.to broadcast battery power and app version NO. If it's in the talking stage,it will not broadcast.

  Switch Group

- 1. Turn Channel coding knob to switch channels.

  2.f it's in the talking stage,talking will be hung up,it will broadcast the current group.

  The use of NFC

  The NFC label can be read close to the front of the fuselage.

Functions Sheet

No.	Name	Functions
1	PTT	PTT
2	Programmable key F2	Short press: Play group intercom recording (loop playback of nearly 10 recordings) Long press: Enter single call mode
3	Programmable key F3	Short press: Announce the current group name Long press: Initiate SOS call
4	Channel coding knob	Rotate left: Turn down the volume and turn it off Rotate right: Increase the volume and turn right on when off
5	Olume / Power knob	Rotate left: Switch to the previous group Rotate right: Switch to the next group
6	NFC(which is customizable)	Hold the NFC tag close to the underside of the front of the fuselage

Functions Introduction

1.Attach battery and insert SIM card
Pls insert valid SIM card (User identification) in network radio before using. All network linking information has been recorded in SIM card which could be used in any WCDMA mobile.

    (1) Turn the volume/power knob to power off.
    (2) Take away the battery as indicated above.
    (3) Insert SIM card by pushing away the upper cover of SIM card holder properly.
    (4) Put back the battery with battery cover.
Tips: Pls power off before take out of battery. Don't take away the battery when power on as it may possibly cause data loss and even eternal damage .

2.Basic use
Power on: Turn the power /volume knob to power on when power off. During power-off, there is voice prompt . After power on, green indicator is on and then blinks. It is searching network. There is voice prompt after successful internet access.
Power off: Turn the power /volume knob to power off when power off. During power-on. Indicator will be off.
Volume adjust: Increase volume by turning clockwise. And vice versa.

Headset: Press PTT key on headset to call and release to cancel call.
There is voice prompt fo lower battery when it is lower than 20% .
3.Private call
Start private call by long pressing Programmable key F1. Repress Programmable key F1 to selectmember and talk by pressing PTT key.(Voice prompt for current group member name and its status of on-line/offline.It will be failed if off-line) Temporary group will be auto created.
4.Group Switch
Before switching ON, user needs to revolve the selector to Channel 1 (The default session is Channel 1, revolve to select other sessions. If the session is not available, there will be voice prompt : No Channel).

Debug

If your handset shows following problem in use, please check the instruction below, and if the issue still persists, please contact local authorized service.
1.Poor reception:
Possible reasons: Signal over your current location is weak (such as basement or next to a blocking building), or the network is busy (such as during rush hours).
Solutions: a. Please move to somewhere with improved signal.
            b. Please avoid using at that moment or wait for while before another attempt.
2.Echo or noise:
Possible reason: The quality of network service provider is flawed.
Solution: Restart the radio will let it automatically search for available network with better quality.
3.Less duration:
Possible reasons: The duration depends a lot on the settings by network service provider. Using and charging the handset under condition with high temperature will also jeopardize the battery duration. Searching for network constantly in weak-network area will also lower the duration.
Solution: If you are at place with weak signal, please temporarily switch OFF the handset.
4.Unable to connect to network:
Possible reasons: SIM card not effective, poor signal, out of network service area.
Solutions: Replace another SIM card, move to somewhere open and flat, if you are in the building , move near to the window.

Indicator light interpretation

Device Status	Indicator Color	Frequency
Power on	Green	On
Searching for network	Red	Flash every 1 secs
Standing by	Green	Flash every 5 secs
PTT successful	Red	On
Answer call	Green	On
Low battery (<15%)	Red	Flash every 3 secs

System Parameter

Operating system	Android
Receive sensitivity	-106dBm
Support	GPS、NFC (Optional)
Voltage	3.7V
Frequency	GSM: B2,B3,B5,B8 WCDMA: B1,B2,B4,B5,B8 TDD-LTE: B38,B39,B40,B41 FDD-LTE: B1,B2,B3,B4,B5,B7,B8,B20,B28A,B28B,B66
Transmit power	23dBm~30dBm@-104dBm
Sound output power	2W@10%distortion

Specification

Size	60*37*135mm (W*D*H)
Weight	~210g

12

13
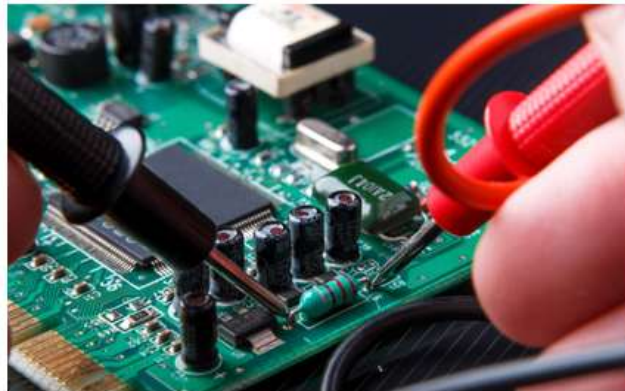
RETOUR ADRES :   Essec-Radiocom , Paalsesteenweg 201A - 3583 Paal Beringen - Belgie

TEL : +32 11 450463   verhuur@essec.be

EU Version	GSM:B3/B8 CDMA EVDO/1X:BCO WCDMA: B1/B5/B8 TDD-LTE:B38/B39/B40/B41 FDD-LTE: B1/B3/B5/B8
US Version	GSM:B2/B3/B5/B8 WCDMA: B1/B2/B5/85 FDD-LTE:B1/B2/B3/B5/B7/B8/B28A/B28B/B40
Maximum Transmission Power	32.5dBm
Receive Sensitivity	-107dBm
Wi-Fi	/
Bluetooth	/
Location	GPS
Hardware	
CPU	9X07(Qualcomm)
Memory	512MB(RAM)+ 4GB(ROM)
Sim card	Micro SIM card
USB port	Micro USB 2.0
Interface	3.5mm+2.5mm
Speaker	Ø36mm Speaker,8Ω 2W
Battery	4000mAh
Software	
Operation System	Linux
Physical	
Dimension (H * W * D)	135 x 60 x 37mm(Without Belt clip and Antenna)
Weight	≈ 255g
Working Temperature	-5°C ~ 55°C
Storage Temperature	-20°C ~ 70°C
Certifications	
Protection Level	IP54
Drop	1.2 Meters
Certificate	CE/FCC/ROHS/UN38.3/MSDS/IEC62133

Operating System
Linux 2.6.10

Certifications
CE FC RoHS