



## PORTABLE RTS GSM RADIO

### USER GUIDE

Thank you for choosing the RTS GSM/ Wi-Fi portable radio. With this portable you can be assured excellent quality, good design, extremely user friendly and very easy to use.

#### SUPPLIED ACCESSORIES

Before using our product, you are advised to check that there are no damage to the packaging and confirm that the following accessories are in the box. Should you find any accessories missing or damaged during transporting please contact your local agent immediately.

| <u>ACCESSORIES</u> | <u>AMOUNT</u> | <u>ACCESSORIES</u> | <u>AMOUNT</u> |
|--------------------|---------------|--------------------|---------------|
| Antenna            | 1             | Charging cradle    | 1             |
| Belt clip          | 1             | Power adaptor      | 1             |
| Battery pack       | 1             | Manual             | 1             |

#### PREPARATION

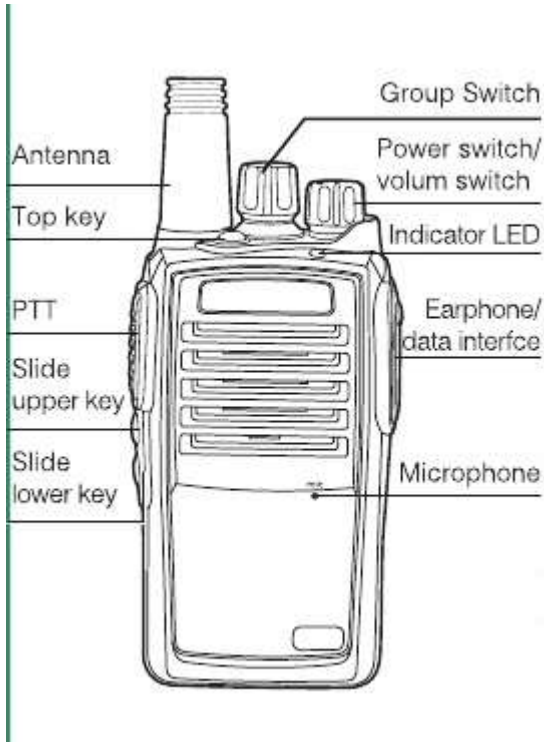
##### Charging Li-on battery pack

Please charge battery pack before using this portable radio. Be sure it is turned off before charging. The process of charging will be hampered if you talk with it at the same time. The recommended temperature range for charging is from 5° to 40° , otherwise it would not fully charge. If it is the first time you use this battery pack or you want to store it for a long time (more than 2 months), fully charge/discharged the battery pack 2 – 3 times, only then the battery can operate optimally. Be sure to remove the battery when fully charged. Overcharging will lead to shortening of battery life. Should you forget the radio on the charger, on day 5 your battery life is significantly shortened. If the battery pack does not retain a charge after charged correctly, a new battery pack must be purchased.

#### INSTALL SIM-CARD

Please install a valid SIM card before using the product

## PANEL DESCRIPTION



| FUNCTION KEYS      | FUNCTIONS  |
|--------------------|--|
| Power switch       | Power on and off: Turn the knob clockwise to turn on, and anti-clockwise to turn off   |
| Volume switch      | Adjust volume – Turn the knob to adjust when radio is switched on  |
| Group switch       | Choose 16 group that have been set up by turning this knob. Broadcasting corresponding group number after starting               |
| Antenna            | Transmit/receive Radio signal  |
| Indicator LED      | Three colored -Red, yellow, green<br>Fast flicker (1 sec.) slow flicker (2 sec.) Solid light                                     |
| PTT Switch         | Press to call and talk   |
| Earphone interface | Interface for earphone and microphone- they must match the radio.<br>Interface for data transmission – communicate with computer |
| Top key            | Short press: Enter the one-to-one model  |
| Slide upper key    | Short press: Voice prompt “User name”<br>Long press: Voice prompt “Battery capacity”   |
| Slide lower key    | Short press: Voice prompt “Group name”<br>Long press: Download and play recent 5 call recordings                                 |
| Remarks            | Short press: Press key for less than 1 second..<br>Long press: Press key for more than 2 seconds.                                |

#### STATES OF INDICATER LED

1. Solid yellow light: The radio is starting up.
2. Yellow light flash slowly: The radio is registering the network.
3. Red light flash fast :
  - a) SIM card has not activated or it has ran out of money, or terminal could not registered successfully.
  - b) The quality of the wireless network is bad, radio could not register.
4. Solid red light:
  - a) SIM card is not launched / wrongly launched, voice prompt "SIM card read failed "
  - b) Has not add this terminal to the server.
  - c) Terminal is added to the server but a wrong group was chosen.
  - d) SIM card PIN unlock failed, voice prompt "PIN is wrong"
5. Green light flash slowly: Registered successfully, enter group talk mode and standby.
6. Yellow light ON: radio is in individual call mode and idle state.
7. Green light ON: Radio is in calling mode or it is downloading/downloading historical call record.

#### FUNCTION INTRODUCTION:

##### IDLE MODE:

It takes about 35 seconds for a terminal to register successfully, at the same time there will be online tone and the group number tone which the terminal belongs to.

##### CALLING MODE:

##### GROUP CALLING MODE:

When a terminal is on, it switch into group calling idle mode. User can switch into different groups by using the group selector knob.

##### INDIVIDUAL CALLING MODE:

User switch into "INDIVIDUAL CALLING MODE" by short press on the top button. At the same time there will be a tone indicating that mode and the opposite terminal tone, the state light turns to yellow. After a short press on the "top button" again, there will be "EXIT INDIVIDUAL CALLING MODE" and the state light turns to green show blink.

When a terminal is at individual calling mode, user can switch opposite friends to talk to by using over side button or below side button. There will be voice tone too.

If user is not using the terminal in 30 seconds at individual calling mode, the terminal will exit individual calling automatically. Individual calling mode is higher than group calling mode on priority, so individual call can cross group no matter what group the opposite side in.

##### CALL SUBSCRIBER:

Press "PTT" button under group calling idle mode. If there is any other user in this group, the state light will turn to green and the terminal will make a call. If there is no other user in this group, the state light will turn to green and the terminal will make a call. If there is no other user in this group, the state light will blink to green once, and there will be a voice tone "CALL FAILED", user can ending up a call and switch into group calling state by releasing the "PTT" button. Press "PTT" button under individual calling idle mode, if the opposite user is offline or busy, the state light will blink to green once, and there will be voice tone "CALL FAILED". User can end a call and switch into individual calling state by releasing the PTT button.

PS: There is a longest calling time limit set by the system, if a calling does not exist in 30 seconds, it will be stopped automatically by the system to avoid over occupying of the channel.

#### CALLED SUBSCRIBER:

Under group idling mode, when a terminal is called, the state light turns to green, and user can hear the caller's voice. There will be a short "DU" as an ending tone after a calling. If former state is under group calling mode, the state light turns to green slow blink; if former state is individual calling mode, the state light turns to yellow and user can make a call by pressing "PTT" button.

#### PRIORITY CALLING:

All radios has a priority, the terminal with higher priority will be admitted to make a call preferentially.

#### HISTORICAL RECORD PLAY BACK

Downloading latest 5 calling record in current group by pressing the function button. Tis function only support group calling mode, and user need to open record play back function.

#### POSITION REPORT:

Terminal will report its current position on the background. User can see the current position and historical trace of the terminal by the "map function" of background.

PLEASE NOTE: This function may not be supported by some type.

#### LOW BATTERY WARNING:

When a terminal alert "LOW BATTERY – PLEASE CHARGE" and the state light turns to red slow blink, it presents that the terminal is in low battery and need to charge.

#### WIFI NETWORK:

The radio support WiFi network, but user need to pre-set username and login password, setting up a WiFi network in the work area to decrease phone charge.

#### TECHNICAL SPECIFICATION:

|                            |  |                                     |            |
|----------------------------|--|-------------------------------------|------------|
| Working voltage            | 3.7V   | Position function                   | GPS/BeiDo  |
| Working temperature        | -20°~+50°C   | Support group                       | > 15↑      |
| Storage temperature        | -40°~+80°C   | Continuous calling 1 hour data flow | <5Mbyte    |
| Weight                     | 200g   | Battery life                        | < 18 hour  |
| Dust/water resistance rank | IP 57  | Size                                | 98X53X30mm |
| Support network mode       | WCDMA/EDGE/GPRS or TD-SCDMA/EDGE/GPRS or CDMA 1X/EVDO WIFI |                                     |            |

PS: All specifications, indicator or even function in this introduction book will change we will not inform user or take any responsibility



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