



T199 is the smart radio without display, which can push to talk globally under coverage of GSM/3G WCDMA/WIFI. Louder audio output, 4000mah larger battery capacity, professional Android system, portable design, which provides your company with a secure network radio , with excellent connectivity for professionals working in environments where first class communication is essential.



SHENZHEN INRICO ELECTRONICS CO., LTD Address: Building No.108, High tech Industrial Park, Guowei Road 72,Luohu District, Shenzhen



T199

NETWORK RADIO

T199

T1999 FCC ID: 2AIV6-T199 NETWORK TWO WAY RADIO

www.inrico.cn SHENZHEN INRICO ELECTRONICS CO.,LTD

RADIO FEATURES

- Intercom globally
- Operation on cellular data card
- Guard Patrol function can be mapped
- WIFI / Bluetooth-supported
- GPS supported
- Exceptional audio output
- Buttons are programmable for emergency.
- Longer talk time 4000mAh battery
- Compact size , reliable performance

SYSTEM FEATURES

1.Basic function

Support group call, individual call, GPS

2.Special feature

Support priority call, video call, monitoring and recording function, playback function, scan function and SOS function Enhanced Encryption–Voice Encryption & Data Encryption

APPLICATION SCENARIO SCHEMATIC



Main Frequency 1.0Gbz

| Main Frequency | 1.0Ghz |
|------------------|--|
| Network | 2G: GSM 850/900/1800/1900 MHz |
| | 3G: WCDMA 850/900/2100 MHz(1900MHz optional) |
| Country | Global |
| Platform | MTK 6572A |
| System | Android |
| Speaker +Mic | Diameter of 40 big trumpet |
| Jack of earphone | 3.5mm |
| GPS | Support |
| Battery capacity | 4000mAh |
| Size | 117*59*37mm |
| Weight | ~240g |
| | |







Gratitude

Thank you very much for your purchase! Our radios have a newly developed function menu and humanism operation design, making it easy to use.

Safety: it is important that users are informed of the general safety issues related to theuse of radios.

Warning

Flammible environment (gus, dust and fog, etc.)

Please turn off the nadio before gefing dose to the biasting zopeor defonstor areas.

General information before use

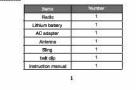
Please observe the following instructions to prevent fire, injury or damage to the radio.

to the rate in a constraint of the sproduct in any case. D Prohibit tomodily this product in any case. D Please do notexpose the radio to long-time direct surlight, neither o dose any heatsource. D Please do notexpose the radio to dust, damp and split. and over coject that a unstable. D I abnormal odor or smoke noted from the radio, please shutdown immediately, menove the battery unit, and contact our local authorized service provider.

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Unpacking and checking equipment Note: Idowing instructions is only suitable for authorated retailers and service providers. Carefully unpackthe reda. We recommendy ou checkine items issed in the following statub before discussing the package. If any item is missing, please contact local dealer immediately.



Preparation work Proparation work Warning © Do not overcharge with the battery Please stop: braining of it is uncompliated in normal lanes. The battery may fame, enouge crack do ab abance charging process. ® Do not published that the processe of high pressure container The battery may fame, mode or crack. ® Do not explose brain hattery to any filmon. # Do not explose brain hattery to any filmon. # the battery server how long or any filmon. # battery may fame brain of work in domained dood, please remove it from fammable condition immediately. The fault in battery is may fammable, which may cause time or morea. condition immediately. The flact in battery is readly flammable, which may cause users a works, # Do not use advormal battery The battery advormal in costs: cole, shape or any other form, please remove it from charge or radia and do not use it arymonic. # Please use motions another The aduption is accessible is designed exclusioning for the bought radio. It ensures the safety and reliability of battery charging.

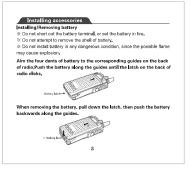
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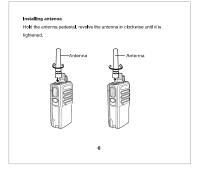
Using the Lithium Battery Change before use To reduce electrical emission in battery, please remove the battery from device if not use withing on gime. Please keep the battery in cool and dry dates. When keeping pathery for from gime: 1. Broosble, please lugh range for the battery before store; 3. Store the battery in please that are cool and dry (with the temperature lower than 25 Celsue);

Pastre of the Lithium Battery: #: Alter equated charging process. the capacity will decrease. #: The battery dependence gradually even vMhout being used. #: The battery dependence gradually even vMhout being used. #: Charging and starge of Lithium Battery is being charged in col condition. #: Charging and starge of Lithium Battery is being charged in col condition. #: Lithium Battery is being charging and the starged starged in collocation. #: It is dualation obtatery shortens significantly, please replace the battery immediately to prevent fluid leak. 3

Charging Lithium battery After the AC adapter is connected and the battery is well placed, the indicator will show red which means the charging is in progress. Green will indicate that the battery is talk-placed, The indicator will goes off if the therparature is not proper, the battery is damaged or the connection is poor.

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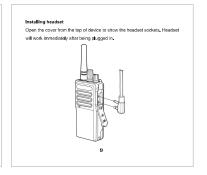


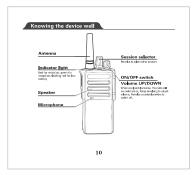


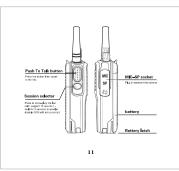
Installing belt clip If needed, screw the belt clip onto the back of radio by two screw holes located on the back of radio to facilitate portability.











Unit structure

Nolume selector/ ON/OFF switch
 A: Clockwise for switch ON, counterclockwise for switch OFF.
 B: Clockwise for volume UP, counterclockwise for volume DOWN.

2.Push To Talk button PTT A: Press PTT button to initiate a call (red light goes on) when radio is standing by B: If not in reception, hold PPT to apply for turn to talk (red light goes on). Redease the PPT button to quit talk and go back to standing by.

3.Session selector Revolve the selector for last/next session. And confirm to enter the current session with voice prompt.

4. Recorder Playback/GPS enable/disable Press to voice-play the last call(support 10 recorders), Hold for 3 seconds to enable/disable GPS with voice prompt.

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5.Indicator light status The green light goes on after the device is evitched on. The green light flashes last to indicate network searching. In standing by, the green light flashes for every 5 seconds. The green light remains on for reception, and the red light remains on for emission.

Introduction

 Installing battery and SIM card
Please insert effective USM card before use, make sure the USIM card can
be effective in any selected WCDMA caliphone,
(c)Revert we to value button to switch NOVFF device,
(c)Revert we to safery cover by pushing backwards,
(d)If USIM socket cover, place the USIM card in the socket well in right
direction. direction. (4)Replace the battery and cover.

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2.Basic use: Switch ON: Revolve the volume button dockwise to switch ON device, there will be voice prompt for switch ON. After the device is successfully switched ON, the green light goes on first then flash to indicate network searching. After the network is connected, there will be voice prompt. Switch OFF. Revolve the volume button constructed/construct to switch OFF. Network the light will goes oft. Network the light will goes oft. Network Device the volume button constructed/construct to switch OFF. Network the light will goes oft. Network Device the volume Device to volume ID/ON. Network: Flag in headset, press the PTP button on headset (I there is one to initiate actin, release the button to cancer the call. Low battery notification: When the battery is lower than 10%, there will be voice prompt to indicate charging need.

3.Session selection: Before settlering ON, user needs to revolve the selector to Channel 1 (The default session is Channel one, revolve to select other sessions, if the session is not available, there will be voice prompt; No Channel), 14

FAQ

FAQ If your radio shows following problem in use, please check the instruction below, and if the issue still pensists, please contact local authorized service. LiPour reception: Possible reasons: agrial over your current location is weak (such as basement or next to a blocking building), of the entronk is busy (such as during runh hours). Solutions: I. Please move somewhere with improved signal. 2: Please avoid use in such hours or wait for a 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 bit on the settings by network service provider. Use and charging under condition with high temporature will also jeopardize the battery duration. Searching for network constantly in water-network area will be lower the duration. Scalicin: If you are at place with weak signal, please temporarily ewitch OFF the radix. 15

4.Unable to connect to network: Possible reasons: USIM card not effective, poor aignal, out of network service area. Solutions: replace another USIM card, move to somewhere open and fait, if you are in the building , move near the window.

Indicator light interpretation

| | Indicator Status | Frequency |
|-----------------------|--------------------|--------------------|
| ON/Setting | Green on | |
| Searching for network | Green flashes fast | Flash every 1 sec |
| Standing by | Green flashes slow | Flash every 5 secs |
| nitiating call | Red on | |
| Receiving call | Green on | |

| Voltage | 3.7V | |
|---------------------|--|--|
| Frequency band | GSM850/PCS1900/WCDMA Band I/WCDMA Band V | |
| Bize | 62*36*190mm (width*length*height) | |
| Weight | -240g | |
| Norking temperature | -10+55celcius | |
| Storage temperature | -40+85celcius | |
| Transmit power | 23dBm ~ 30dBm @-104dBm | |
| Receive sensitivity | WCDMA : ≤-106.7dBm | |
| | GSM : ≤-102dBm | |
| Sound output power | 2W@10%distortion | |

This device is not radio circuit of traditional walkie talkie or mobile phone. It uses 2G/GG network to transmit data (i.e. audio file). When in use, equipment suppliers will built local network according to the customer actual usage scenarios. Users push the builton to record voice, the audio file will be sent to other match device in the form of data. This function is similar as software function such as WeChat or Facebook Messenger.

User depress button of the device to record user's voice. After the user release its button to finish recording user's voice, the voice become audio file and sending the file to another user thru connection of GPRS/EDGE/WCDMA network.

T199 has no ear loudspeaker and does not support the GSM dial and call function. It only supports GPRS/EDGE/WCDMA network function. It has no display. It could not be installed Skype or other network software. The device does not have any instant verbal taking and does not have any verbal dialing function thru connection of network.

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There is not any voice communication or FM transmitter on the device.

T199 is Push-to-Talk radios. It need to be tested with Held-To-face position and no need for Head SAR testing.

According to KDB 643646 A2, all sides of the radio that may be positioned facing the user when using a body-worn accessory must be considered for SAR compliance.

When user operates the product using a body-worm accessory, users only operates the front and rear sides of the product and face the user. The product is fixed to the waist, through a microphone and a headset to communication. It is because this is face-to-talk product. Thus, we only tested the front and rear sides of body-worm positions of the product. The other four sides of body-worm positions of the product. The other four sides of body-wore hepositions (top, bothm, left and right) were not tested. Therefore, the product compiles with SAR requirement.

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Federal Communications Commission (FCC) Interference Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

 Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

Note: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This mobile device meets guidelines for exposure to radio waves. Your mobile device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves recommended by international guidelines.

The SAR limit adopted by USA and Canada is 1.6 watts/kilogram (W/kg) averaged over one gram of tissue. The highest SAR value reported to the Federal Communications

Commission (FCC) and the Industry Canada (IC) for this device type when it is tested for use at the body is 1.086 W/kg.

The device complies with the RF specifications when the device is used at a distance of 1.0 cm from your body. Ensure that the device accessories such as a device case and a device holster are not composed of metal components. Keep your device 1.0 cm away from your body to meet the requirement earlier mentioned.

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