

# *ToooAir*

## USER'S MANUAL

**WIDE AREA IP 2WAY RADIO**

**MODEL: TA-582**



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**READ ALL INSTRUCTIONS** carefully and completely before operating your radio, and retain this manual for future reference.

**NEVER** connect the radio to a power source other than the supplied battery and charge via the supplied charger.

**DO NOT** place your radio in front of a vehicle airbag.

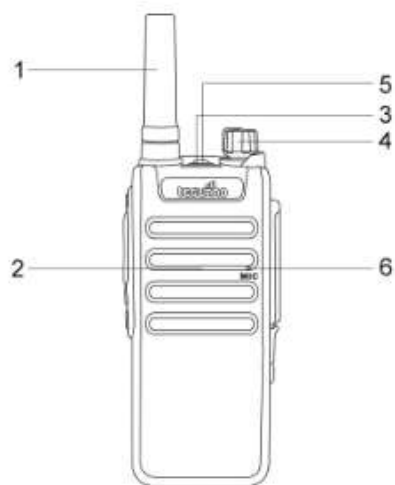
**DO NOT** attempt to modify your radio in any way.

**DO NOT** allow children to operate the radio unsupervised.

**ALWAYS** charge your radio at normal room temperature. **ALWAYS** switch off your radio where notices restrict the use of two-way radios or mobile telephones. **ALWAYS** keep the antenna more than 25 mm from any part of the head or body when transmitting.

**NOTE:** People with pacemakers are recommended to maintain at least 20cm separation between the radio and their pacemaker.

## RADIO DIAGRAM



### Front

1. Antenna (Cellular)
2. Speaker
3. Status LED
4. On/Off and Volume Control
5. Battery Level – Short press
6. SOS/Battery Level

### Rear

7. Battery Contacts
8. Sim Card Slot

### Left

9. Friend/User Select Key
10. PTT (Push-to-talk) Switch
11. Group Select (cycle up through available groups)
12. Group Select (cycle down through available groups)

### Right

13. Headset/RSM Connector
14. Micro USB Charging port

## SPECIFICATIONS

<b>Model Number:</b>	TA-582
<b>Dimensions:</b>	135mm x 56mm x 41mm
<b>Weight:</b>	282g
<b>Working temp:</b>	-30°C to +75°C
<b>Working Voltage:</b>	3.3V ~ 4.2V (Standard 3.8V)
<b>Working Current:</b>	500mA @ LTE 220mA @ WCDMA
<b>Peak Current:</b>	2 A
<b>LTE FDD:</b>	Band1:2100MHz, Band 2:1900MHz, Band3:1800MHz, B5:850MHz, B7:2600MHz, B8:900MHz, B28:700MHz, B40:2300MHz
<b>WCDMA:</b>	Band1:2100MHz, Band2: 1900MHz Band5:850MHz
<b>Maximum Output power:</b>	LTE:23±2.7 dBm (Power Class 3) WCDMA:24 +1/-3dBm (Power Class 3)
<b>Receiving Sensitivity:</b>	LTE FDD ≤-100 dBm; WCDMA 850:≤-108 dBm; WCDMA 1900:≤-109 dBm;
<b>GPS:</b>	GPS Positioning, 1.57542GHz;
<b>Sensitivity:</b>	Catch -144dBm, Track -159dBm;
<b>Data Speed Rate:</b>	LTE FDD -Uplink 50 Mbps / Downlink 150 Mbps WCDMA -Uplink 5.76 Mbps / Downlink 42 Mbps
<b>Protocol:</b>	Support embedded TCP& UDP Protocols Support Protocols PAP and CHAP used for PPP connection 3GPP TS27.005,27.007

## IMPORTANT NOTICE

READ ALL INSTRUCTIONS carefully and completely before operating your radio, and retain this manual for future reference.

- NEVER connect the radio to a power source other than via the supplied power adapter.
- DO NOT place your radio in front of a vehicle airbag.
- DO NOT attempt to modify your radio in any way.
- ALWAYS switch off your radio where notices are displayed that restrict the use of two-way radio or mobile telephones.
- DO NOT hold the radio/speaker to your ear.

## BASIC OPERATIONS

### Power On

Turn the volume knob (4) clockwise to power on.

1. The LED will flash blue rapidly as the TA-582 powers up.
  2. The unit will establish a network connection and log in. (this can take 20 seconds)
  3. When a connection is established, the radio will announce "Turn TO" and the group name. The LED will slowly flash blue.
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### Power Off

Turn the volume knob anticlockwise to power off. The LED will illuminate red during the shutting-down process. (this can take 12 seconds)

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### Transmitting

Press the PTT, and the LED will illuminate red, indicating the radio is in transmit mode.

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### Receiving

The LED will illuminate blue when the radio is receiving a transmission.

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## ADVANCED OPERATIONS

### Group Select

The unit can change between groups to communicate with different users.

1. Press key 11 to cycle up through available groups.  
The radio will give an audible announcement. When the desired group is announced, if no further key is pressed, the radio will switch to the selected group in 3 seconds.
  2. Pressing key 12 will cycle down through available groups as above.
  3. If you do not wait for the 3 seconds to select a group, a press of the PTT will select the group immediately
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### Friend List

The unit can access a list of "Friends" for one-on-one private call communication.

The friend's list is pre-programmed when the fleet is set up.

1. Short press key 9. The radio will announce "Friends List"
  2. Use keys 11 or 12 to scroll through the online friends. The radio will announce online friends names.  
When a desired friend is announced, push the PTT within 3 seconds.  
The radio will announce "Turn to" and your own used name. You are now in a private call with the selected user.
  3. To cancel a private call, press key 9.
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### User List

The unit can access all online users within your fleet for one-on-one private call communication.

1. Long press key 9. The radio will announce "User List."
  2. Use keys 11 or 12 to scroll through the online Users. The radio will announce the online User names.  
When a desired User is announced, push the PTT within 3 seconds.  
The radio will announce "Turn to" and your own used name. You are now in a private call with the selected user.
  3. To a cancel private call, press key 9.
- 

### SOS Mode

The unit has an SOS alert feature that, if held for 3 seconds, will send an alert message to all other users.

1. Hold the SOS button down for 3 seconds.
2. The Status Led will turn red and flash quickly. The SOS is transmitted three times.
3. Holding down the SOS button for 3 seconds while the LED quickly flashes red will cancel the SOS.

On receipt of an SOS from another user, the radio will announce the SOS and the user's name. The LED will enter a quick red flash.  
Hold down the SOS key for 3 seconds to cancel the quick flashing LED.

### Text Messages

The unit can receive text messages. Upon receiving a text message, the radio will announce and read the message via an inbuilt text-to-speech engine.

### Battery Level

1. Quick press the SOS key (5)  
The radio will announce the battery level in a percentage of available charge.

### Battery Charging

1. Place the radio into the desktop charging cradle
2. The Red LED status on the charger indicates the battery is charging.
3. The Green LED status on the charger indicates charging is complete.

The radio can also be charged via the Micro USB port (14)

Note charging via the USB is a slower trickle charge compared to the desktop charging cradle option.

# WARRANTY

This warranty against defects is given by Tooo Air Pty Ltd ABN 58 615 252 536

## 1. Consumer guarantees

1.1 Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

1.2 To the extent we are able, we exclude all other conditions, warranties and obligations which would otherwise be implied.

## 2. Warranty against defects

2.1 This warranty is in addition to and does not limit, exclude or restrict your rights under the Competition and Consumer Act 2010 (Australia) or any other mandatory protection laws that may apply.

2.2 We warrant our goods to be free from defects in materials and workmanship for the warranty period of 12 months from the date of original sale. Subject to our obligations under clause 1.2, we will at our option, either repair or replace goods which we are satisfied are defective. We warrant any replacement parts for the remainder of the period of warranty for the goods into which they are incorporated.

2.3 To the extent permitted by law, our sole liability for breach of a condition, warranty or other obligation implied by law is limited

- (a) in the case of goods we supply, to any one of the following as we decide –
  - (i) the replacement of the goods or the supply of equivalent goods;
  - (ii) the repair of the goods;
  - (iii) the cost of repairing the goods or of acquiring equivalent goods;
- (b) in the case of services we supply, to any one of the following as we decide –
  - (i) the supplying of the services again;
  - (ii) the cost of having the services supplied again.

2.4 For repairs outside the warranty period, we warrant our repairs to be free from defects in materials and workmanship for three months from the date of the original repair. We agree to re-repair or replace (at our option) any materials or workmanship which we are satisfied are defective.

2.5 We warrant that we will perform services with reasonable care and skill and agree to investigate any complaint regarding our services made in good faith. If we are satisfied that the complaint is justified, and as our sole liability to you under this warranty (to the extent permitted at law), we agree to supply those services again at no extra charge to you.

2.6 To make a warranty claim you must before the end of the applicable warranty period, return the goods you allege are defective, provide written details of the defect, and give us an original or copy of the sales invoice or some other evidence showing details of the transaction.

2.7 Send your claim to:

Tooo Air Pty Ltd. Suite 1102, 1 Newland Street, Bondi Junction NSW 2022.

Tel: (02) 9157 0540

Email: [info@toooair.com.au](mailto:info@toooair.com.au)

## 3. This warranty does not cover

This warranty will not apply in relation to:

- (a) goods modified or altered in any way;
- (b) repairs performed other than by our authorised representative;
- (c) defects or damage resulting from misuse, accident, impact or neglect;
- (d) goods improperly installed or used in a manner contrary to the relevant instruction manual or
- (e) goods where the serial number has been removed or made illegal
- (f) goods connected to an incorrect power source

## 4. Warranty period

The warranty on the ToooAir TA-582 Wide Area IP 2 Way Radio and Power Adapter is 12 Months. No repair or replacement during the warranty period will renew or extend the warranty period past the period from the original date of purchase.

The logo for ToooAir, featuring the word "ToooAir" in a stylized, bold, orange font. The "oo" in "Tooo" is double, and the "Air" is in a slightly different font style.

ToooAir Pty. Ltd.

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