

ToooAir

USER'S MANUAL

WIDE AREA IP 2WAY RADIO
MODEL: TA-450



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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 supplied charger.

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

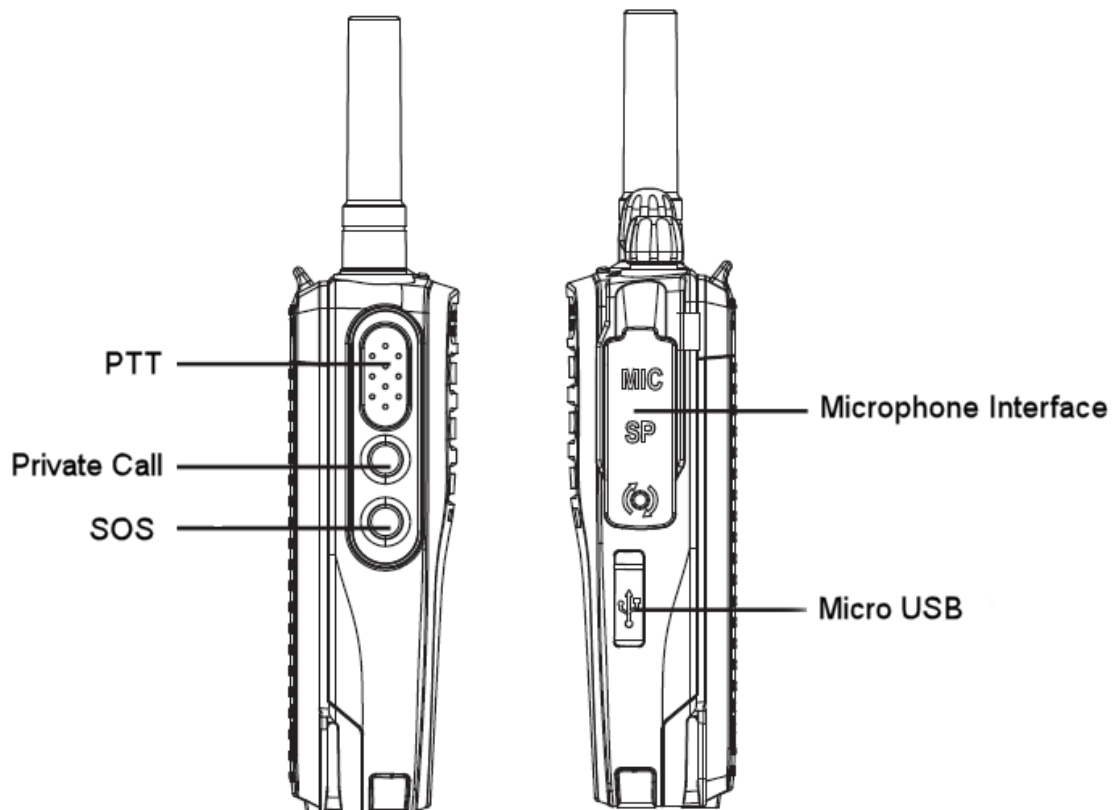
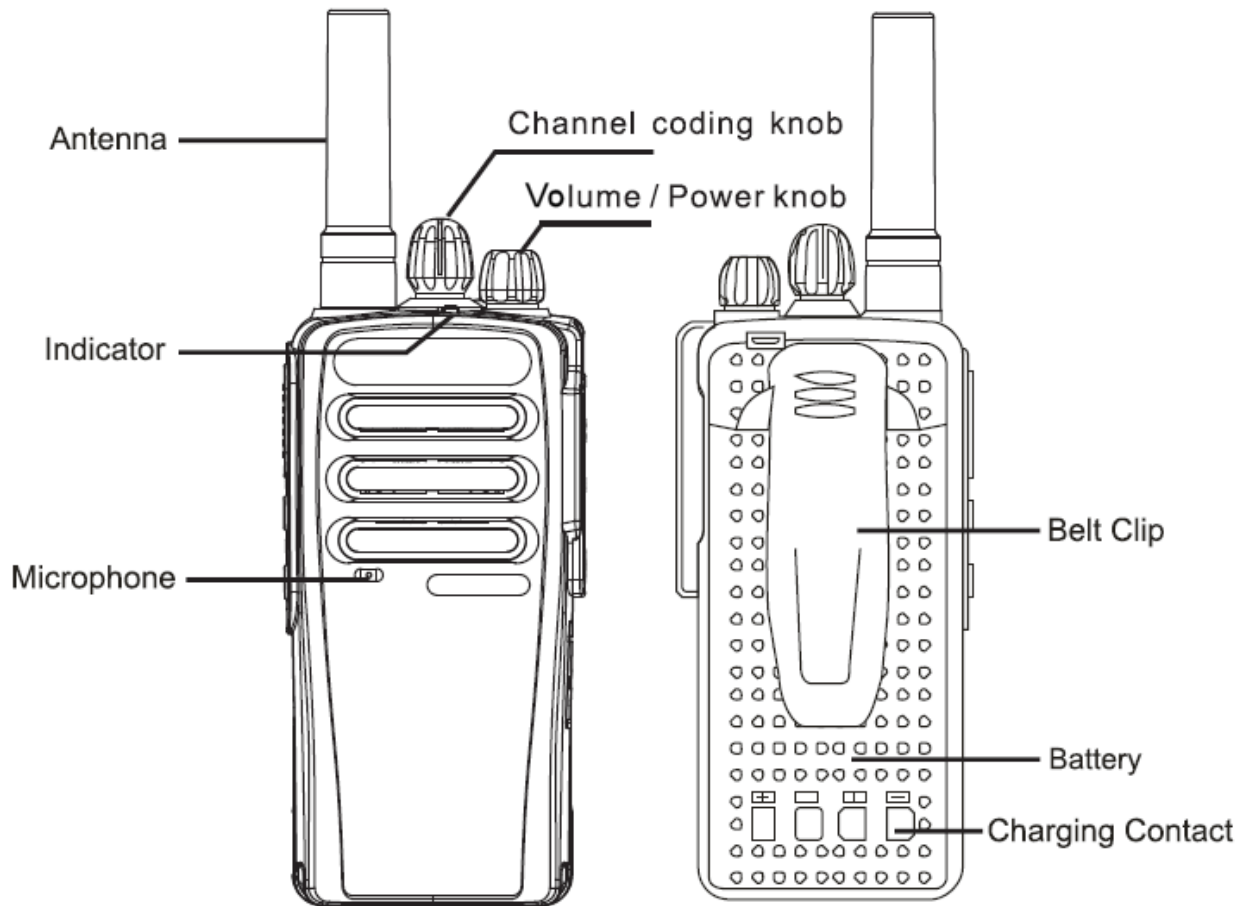
DO NOT attempt to modify your radio in any way.

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 radio 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.

TA-450 DIAGRAM



LED INDICATION

OPERATING STATE	INDICATION
Powering On	Green (Steady)
Connecting to Network	Green (Rapid Blinking)
Idle	Green (Slow Blinking)
Receiving	Green (Steady)
Transmitting	Red (Steady)
Powering Off	NO LED

SPECIFICATIONS

Model Number:	TA-450
Dimensions:	135mm x 60mm x 37mm
Weight:	250g
Working temp:	-30°C to +75°C
Ingress Protection:	IP54
Audio Output:	8Ω, 2W
Battery:	4000mAh
Talk Time:	12.5 hours
Standby Time:	22 hours
LTE FDD:	Band 1/3/5/7/8/20/28A/28B
WCDMA:	Band 1/5/8
WiFi:	IEEE 802.11 a/b/g/n (2.4 & 5Ghz)
Bluetooth:	BT 4.2
GPS:	GPS Positioning, 1.57542GHz & AGPS
Sensitivity:	Catch -144dBm, Track -159dBm;
USB:	Micro USB 2.0
Card Slot:	Micro SIM Card
OS:	Android 7.1
CPU:	MTK6739
Memory:	RAM 1GB SSD 8GB
Speaker Microphone Interface:	3.5mm + 2.5mm K1 connector

In The Box

Please carefully unpack the radio and check if all items listed below are received. If any items are missing or damaged, please contact your dealer.

Item	Quantity
Handheld Radio	1
Lithium Battery	1
LTE Antenna	1
Power Adapter	1
USB Cable	1
Drop-in Cradle	1
Sling	1
Belt Clip	1
User's Manual	1

BASIC OPERATIONS

Power On

Turn on/off volume switch clockwise to power on, the LED will illuminate solid green as the TA-450 powers up. While the unit attempts to connect to the network the LED will blink green (this can take 20 seconds).

Power Off

Turn the on/off volume switch anticlockwise to power off, the LED will stop illuminating the radio is now powered off.

Transmitting

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

Receiving

When receiving a transmission, the LED will illuminate green indicating the radio is receiving a transmission.

ADVANCED OPERATIONS

Change Group

The unit can change between groups to communicate with different users. Rotate the channel coding knob clockwise or anti clockwise to change between groups. A voice prompt will call out the group name the radio is changing into or will voice "No Group" if there are no more groups.

Missed Call

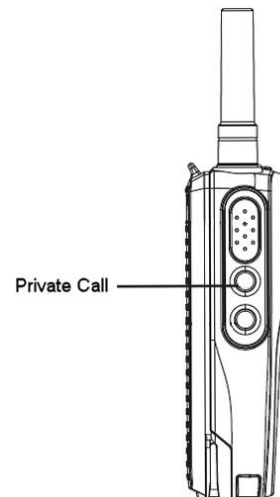
In the event a private call is made to the TA-450 and the private call is not acknowledged with a PTT transmission, after 20 seconds a Missed Call Alert audible noise will prompt for the next 30 minutes.

While the Missed Call alert is active short pressing the PTT button will acknowledge the Missed Call and stop the alert.

Private Call

The TA-450 can create private calls.

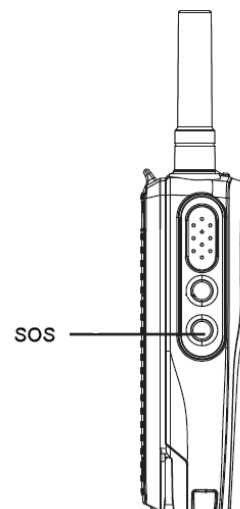
1. short press the Private Call button to select desired user to perform private call.
2. Each short press of the Private Call button will cycle through the user list of the group the radio is currently in, the radio will voice the current selected user.
3. Once desired user is selected long press the Private Call button to initiate private call.
4. A voice prompt will call out if the call is successful and the user that is in the private call.
5. Long press the Private Call button to exit the private call.



SOS Duress

In the event of an emergency the radio can send an SOS duress to all other users in the fleet.

1. Press and hold the SOS button for 3 seconds to trigger the SOS duress.
2. Once the SOS duress has been triggered the microphone will open for hands free PTT transmission for 20 seconds.
3. When receiving an SOS duress short pressing the PTT button will acknowledge the SOS duress and stop the alert.



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 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 radio / speaker to ear.

WARRANTY

This warranty against defects is given by Too 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:

Too Air Pty Ltd, Suite 1103, 1 Newland Street, Bondi Junction NSW 2022.

Tel: (02) 9157 0540

Email: 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 TooAir TA-450 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.

ToooAir

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