

# **T-9701**

## **User Manual**

Please read through this manual carefully before using the T-9701

## SAFETY INFORMATION

Your wireless handheld portable transceiver contains a low Power transmitter. When the Push-To-Talk (PTT) button is pressed, it sends out radio frequency signals. The device is authorized to operate at a duty factor not to exceed fifty percent.

## CAUTION

To maintain compliance with the FCC's RF exposure guidelines, hold the transmitter and antenna at least two inches from your face and speak in a normal voice, with the antenna pointed up and away from your face. If you wear the handset on your body while using the headset accessory, use only the supplied belt clip for this product. When transmitting, take it out of the belt to ensure the antenna is at least one inch (2.5cm) from your body.

Use only the supplied antenna. Unauthorized antennas, modifications, or attachments could damage the transmitter and may violate FCC regulations."

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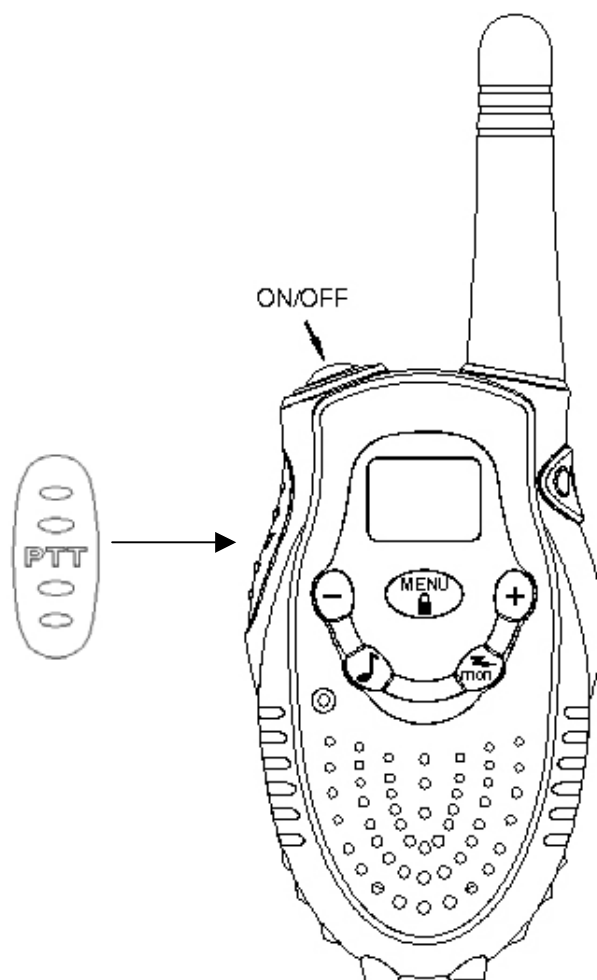
## About The T-9701

The T-9701 is a transmitter-receiver which allow message transmission on 14 channels in UHF. Using the T-9701 does not require any licence, subscription or tax payment. It is a multi-purpose communication device suitable for many circumstances: security control, building sites, leisure, guiding, sport, etc. It is extremely easy to use, even for children. The T-9701 is to be used together with one or more t-9701

In this operation manual, the correspondent is another user of T-9701 who communicates with you.

T-9701 is in compliance with Part95 .

## Panel Description



PTT

: Push To Talk key



: Selection keys, select Volume control keys in standby mode and select another function in MENU mode.



: Press and release the key to toggle the scan function the “ 0 ” icon will flash . Once the unit received the same signal . The scan function will stop . Press the PTT key to confirm.  
Press and hold the key for 3 second to toggle the on/off of the monitor function.

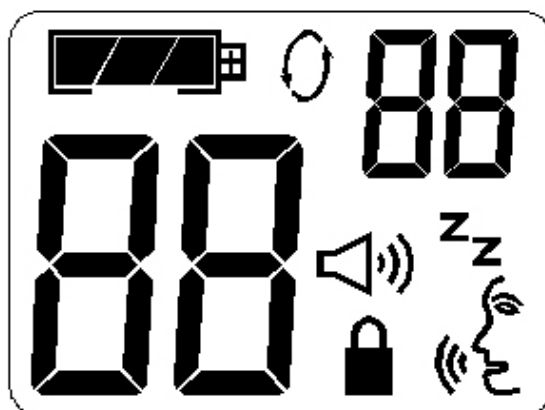


: Function key, press this key to enter function selection mode. Press and hold MENU key three seconds the “ ” icon will displayed on LCD and hold the MENU key three seconds released the lock function.



: Press to call other parties, alert of tone or vibration or both are activated on other parties.

## Display Panel



: 2-digit channel number



: 2-digit CTCSS code number



: Scan frequency channel or CTCSS number



: Battery level indicator



: Volume level indicator



: Key lock enabled



: VOX function enabled



: Battery saving function enabled

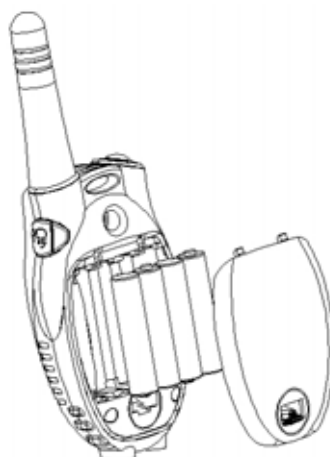
## Battery Care And Precautions

Please read and follow the note below to avoid fire hazards or personal injury:

- Do not expose batteries to open flame or heat source. They could explode. Contact your local authority on disposal of batteries to ensure conformance with prevailing community regulations.
- Do not throw batteries into dustbin. Contact your local authority on disposal of batteries to ensure conformance with prevailing community regulations.
- Do not crush or take battery apart. Leakage of corrosive electrolyte may damage the eyes and the skin. Swallowing a battery is harmful.
- Do not attempt to recharge the battery provided with the T-9701. Recharging can cause leakage of corrosive electrolyte or explosion.
- Be sure that the poles of each battery are positioned properly in the unit. Inadvertent charging, leakage of corrosive electrolyte or explosion can occur if a battery is installed backwards.
- Remove the batteries from the unit if you do not plan to use the T-9701 for an extended period of time (several months or more) because the batteries may leak electrolyte during this period.
- Do not leave dead batteries in the T-9701 because they may leak electrolyte in the unit.

**NB:** Please keep this operation manual carefully for future references.

## Installation Of The Batteries



## Battery Level Indicator

4 levels battery indicator for showing the capacity of the battery



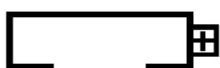
Full



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1/3



low battery warning. Replace all four batteries.

## Turn On/Off The T-9701

To turn on the T-9701, press the ON/OFF key for 2 seconds. The T-9701 will beep and enter to reception mode.

To turn off the T-9701, press the ON/OFF key until the LCD display is cleared.




## Backlight Of LCD Display

The screen will light for 10 seconds whenever the any key is pressed. You can extinguish the backlight by pressing the any key again.




## Set The Main Channel And CTCSS Codes

The T-9701 have 14 main channels and 38 CTCSS codes (CTCSS 00 means no code is checked). You can only communicate the group of correspondent with same main channel and CTCSS code. If your CTCSS code is 00, you can hear all messages of the main channel but other people cannot hear your message if their CTCSS code is not 00.

To set the main channel:

1. Press  key 1 time, the main channel number will flash.
2. Press  or  key to select your desired main channel.
3. Press PTT key to confirm the selection.




To set the CTCSS code:

1. Press  key two times, the CTCSS code number will flash.
2. Press  key to select your desired main channel.
3. Press  key to confirm the selection.



### Listen Or Speak To Your Correspondent

You cannot speak and listen to your correspondent at the same time. While you are speaking, you cannot hear your correspondent.


To listen to your correspondent:

1. Make sure the  key is not pressed.
2. When your correspondent starts to speak.
3. You can adjust the speaker volume by pressing  or  keys, volume digital number are shown according to the setting.






To speak to your correspondent:

1. Press and hold the  key while you speak. The LED will light.
2. When you finish speaking, release the  key.

### Call Your Correspondent

Press the  key, the call tone will appears. The T-9701 of your correspondent will beep , depending on the call alert setting.

### Lock/Unlock Keys


After you have pressed and hold the  key, the icon  appears. The    keys will not function.

To unlock the keys, press the  key again. The icon  will disappear.


### Monitor Mode

Your T-9701 has an Automatic Squelch Circuit to turn off the speaker when there is no receiving message. However, the circuit will reduce the reception ability if the receiving message signal is weak. It is advised to deactivate the circuit if you want to monitor the weak signal.

To deactivate the Automatic Squelch Circuit (monitor mode):




1. Press and hold the  key until the monitor function enabled .
2. You will hear noise. This is normal because the circuit will not turn off the speaker even the noise is large.

To activate the Automatic Squelch Circuit again:

1. Press and hold the  key until the monitor function will disable.





### Search The Main Channel and CTCSS code

This function enables you to find a main channel used by other people.

1. Press  key and release.
2. The icon  appears and the channel number and ctcss number flashes.
3. When your unit finds a main channel and CTCSS channel which is in use, it will stop at this channel for 10 seconds.
4. You can now stop the searching by pressing the  key. The T-9701 will stay at this channel. Otherwise, it will continue to search for another busy channel.








### Select Call Alert

This function allows you to set the 8 types call tone alert when you receive a call.

1. Press  key three times.
2. Press the  or  keys to select the desired type of call alert:
3. Confirm the selection by pressing the  key.

### Set Talk Confirmation Tone and key tone


This function allows you to alert yourselves with a beep when your correspondent has finished speaking. You can answer him after the beep tone.

1. Press  key five times.
2. The icon  flashes.
3. Press the  or  keys to turn on or off beep tone.
4. The icon  indicates with beep tone.
5. The icon  indicates without beep tone.
6. Confirm the change by pressing the  key.






### Talk Range

Your T-9701 has been designed to maximize the transmission range. It is recommended not to use two units within 1.5 m apart because of interference. The maximum talk range is affected by terrain. In flat and open area, the talk range can be up to 5 km. The range will be reduced if there is obstruct in between.







### Handsfree Use

Your T-9701 can connect an external mic/speaker kit for handsfree use. Simple insert the plug into the mic/speaker jack. The unit has a built in Voice Activated Transmission (VOX) circuit. You speak to the external mic and your voice will activate the transmission without pressing the  key. Remember to adjust the volume to a comfortable listening level.




### Vox function

Press  key four times, the icon  will displayed on LCD . The VOX function have four levels. “0” means vox function disable. “1” the means low sensitivity, “2” the means middle sensitivity; “3” the means high sensitivity. Press  or  key to select your desired VOX level. Press  key to confirm this selection.

## Type of battery

- 1) Press  key five times.
- 2) The icon  flashes.
- 3) Press  or  key to select battery types.  the means alkaline battery;  the means nickel battery. This selection base on the unit in used battery type.

## Volume Control

1. You can adjust the volume level in standby mode.
2. Press  or  key to select volume level.
3. There are 8 types volume level can be selected.
4. Press  key to confirm this selection.

## Technical Specifications

Operating Frequency	462.5625 – 462.7125 MHz; 467.5625-467.7125
Channels	14
Channel Spacing	25KHz
CTCSS Code	00 – 38
Power Source	4x 1.5 V ‘AAA’ Alkaline Battery

## Channel Frequency Table

Channel.	Frequency (MHz)	Channel.	Frequency (MHz)
01	462.5625	08	467.5625
02	462.5875	09	467.5875
03	462.6125	10	467.6125
04	462.6375	11	467.6375
05	462.6625	12	467.6625
06	462.6875	13	467.6875
07	462.7125	14	467.7125

## CTCSS Codes Frequency Table

Code	Frequency (Hz)	Code	Frequency (Hz)
01	67.0	20	131.8
02	71.9	21	136.5
03	74.4	22	141.3
04	77.0	23	146.2
05	79.7	24	151.4
06	82.5	25	156.7
07	85.4	26	162.2
08	88.5	27	167.9
09	91.5	28	173.8

10	94.8	29	179.9
11	97.4	30	186.2
12	100.0	31	192.8
13	103.5	32	203.5
14	107.2	33	210.7
15	110.9	34	218.1
16	114.8	35	225.7
17	118.8	36	233.6
18	123.0	37	241.8
19	127.3	38	250.3