

**Two-way radio**

**Brand : TYT**

**FCC ID: PODTH-UVF9**

**Model : TH-UVF9,TH-UVF10,YH-UV11,TH-UV12**

**Frequency Range : 136-174MHz, 400-470MHz**

**4W for UHF, 5W for VHF**

## **TO CUSTOMERS**

Thank you very much for using our two way radio. This radio of modern design is reasonable structure with stable functions. It is designed to meet different customers' need for high quality with easy operation and perfect capability. We believe you are pleased with its nice shape and excellent performance. This manual is suitable for using the model of TH-UVF9.

Welcome to use **TYT** two-way radio

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## Main Functions

Dual band, dual display, dual standby

A/B band independent operation

2 x 128 channels storage and scanning

Shortcut menu operation mode

FM radio and 25 stations memory

CTCSS/DCS and tone search scanning

Repeater shifts and ARS function

Tone calling 1750Hz tone

12,5kHz channel spacing switchable

High/middle/low TX power switchable

Multi working mode switchable

PTT ID and MSK/DTMF encode

Vibration alert function (Optional)

Man down (optional)

8 groups of scrambler (Optional)

Remote stun/kill/activate (Optional)

2T/5T/DTMF encoder and decoder (optional)

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# CONTENTS

<b>USING TIPS</b> .....	<b>2</b>
<b>UNPACKING AND CHECKING EQUIPMENT</b> .....	<b>3</b>
Supplied Items .....	3
<b>CHARGING BATTERY PACK</b> .....	<b>5</b>
Charging Preparation .....	5
Charging Operation .....	6
<b>INSTALLATION OF ACCESSORIES</b> .....	<b>7</b>
Installation of Battery Pack .....	7
Antenna Installation .....	8
Installing Belt Clip .....	9
Installing External Micro/Speaker .....	10
<b>GETTING FAMILIAR</b> .....	<b>11</b>
Radio Illustration .....	12
LCD Display .....	14
Keypad Functions .....	16
<b>WORKING MODE</b> .....	<b>19</b>
Frequency Mode (VFO) .....	19
Frequency-Channel Mode (MR) .....	19
Channel Mode (CH) .....	19
FM Radio Mode (FM) .....	19
MENU Mode .....	20
Reset Mode .....	20

<b>SET MENU MODE</b> .....	<b>21</b>
<b>SHORTCUT MENU OPERATION</b> .....	<b>24</b>
<b>DETAILED FUNCTION DESCRIPTION</b> .....	<b>29</b>
Scan & Scan Mode setting .....	29
Priority Transmit .....	30
VOX Level .....	30
TX Power setting .....	31
Squelch Adjustment .....	31
Dual Wait/Standby .....	31
LED Display Mode .....	32
Backlight Brightness setting .....	32
Keypad Beeper setting .....	32
Automatic Number Identity .....	32
Transmitter Time-Out Timer .....	33
Busy Channel Lock-Out .....	33
Transmit Over Beeper .....	33
Dual Watch/Monitor .....	34
Receive Saver .....	34
Auto Keypad Lock .....	34
Voice Prompt .....	34
Power-on Display setting .....	35
Repeater Shift setting .....	35
Display Channel Name .....	36
C-CDC&R-CDC&T-CDC&SCN CD .....	36

VFO Step setting .....	39
Narrow Band .....	40
Vibration .....	40
Man Down .....	40
Voice Mode and Scrambler .....	40
<b>ADVANCED FUNCTIONS .....</b>	<b>41</b>
PTT/ANI ID Setting .....	41
Emergency Alert .....	42
Keypad Locking Setting .....	42
Reverse Frequency .....	42
Tone Calling (1750Hz) .....	43
Add Channel Scanning .....	43
Channel Storage Operation .....	43
FM Radio Operation .....	45
Wire Clone .....	46
<b>OPTIONAL SIGNALINGS .....</b>	<b>49</b>
DTMF Part .....	50
MSK Part .....	51
2-Tone Part .....	53
5-Tone Part .....	55
<b>REMOTE KILL,STUN, ACTIVATE AND REVIVE .....</b>	<b>58</b>
<b>TECHNICAL PARAMETERS .....</b>	<b>62</b>
<b>GUARANTEE .....</b>	<b>64</b>

## USING TIPS

# UNPACKING AND CHECKING EQUIPMENT

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## USING TIPS

Please read the following brief instructions, non-compliance with these rules may cause danger or violate the law.

- Obey the local government regulation before using this radio, improper use may violate the law and be punished.
- Turn off the radio before entering flammable or explosive areas.
- Do not charge or change the battery in flammable or explosive areas.
- Turn off the radio before getting close to the blasting zone or detonator areas.
- Do not use radio whose antenna is damaged, touching of damaged antenna will cause heat injury.
- Do not attempt to open the radio; the maintenance work should be done by technical expert only.
- To avoid troubles caused by electromagnetic interference or electromagnetic compatibility, please turn off the radio in places where have the banner "Do not use wireless equipment", such as hospital and other healthcare places.
- In the car with an airbag, do not put the radio within the scope of the airbag deployment.
- Do not store the radio under the direct sunshine or in hot areas.
- When you transmit with the radio, do keep away from its antenna for 5cm at least.
- If the radio appears smelly or smoke, please shut off its power immediately and contact with your local dealer.
- Do not transmit too long, for the radio may heat and hurt the user.

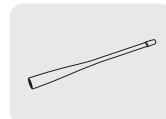
## UNPACKING AND CHECKING EQUIPMENT

Welcome to use **TYT** TH-UVF9 transceiver. Please check if any damage to the package when you receive it. Carefully unpack the transceiver. We recommend that you check the items listed in the following table. If any items are missing or damaged during shipment, please contact with your local dealer immediately.

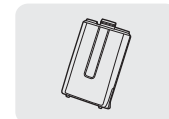
### Supplied Items:



TH-UVF9 Body (1)



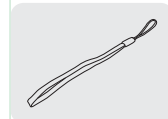
Antenna (1)



Li-ion battery (1)



Power Adapter (1)



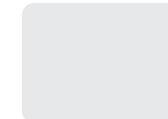
Handstrap (1)



Belt Clip (1)



Verification (1)



User's Manual (1)

**Note:** The antenna frequency range please refers to the annular label at the bottom of antenna.

## CHARGING BATTERY PACK INSTALLATION OF ACCESSORIES

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### CHARGING BATTERY PACK

#### Charging Precaution

The supplied battery pack of TH-UVF9 is a high-performance Li-ion battery with 7.4V standard voltage, 1500mAh high capacity in a very compact package. Under normal use, the battery pack may be used for approximately 500 charge cycles and more, after which operating time maybe expected to decrease. If you have an old battery pack which is displaying capacity which has become diminished, you should replace the pack with a new one.

Please use **TYT** designated battery; other batteries can cause explosion and hurt people.


Notice: ■ Please do not short-circuit the battery terminals or expose of in fire. Do not disassemble the battery unauthorized.

- Charge the battery between temperature 0℃ and 45℃. The battery can not be normally charged beyond this temperature range.
- Please turn off the transceiver when you charge it. Transmitting with the transceiver in charge will affect its normal charge.
- Do not unplug the Power Adapter or battery when it is charged.
- If the battery pack lasts shortly even it is full of power, it shows that the battery is depleted, please change the battery pack.
- Please do not charge when the battery or the radio is wet. Please dry it with a cloth before charging to avoid any danger.

**Warning:** When the conductive metals such as jewelery, key or decorative chains touch the battery terminals, all the batteries are likely to cause damage to the items or personal

injury. These conductive metals may form a short circuit and generates much heat. Do deal with any battery carefully, especially when put it into pocket, wallet or other metallic containers.

### Charging Operation

After installing the battery pack, if the battery icon shows , it means that the battery pack is out of power, Please charge it.

Indicator light of charger will show charging condition

Indicator Display	Status
Red	Charging
Green	Completed

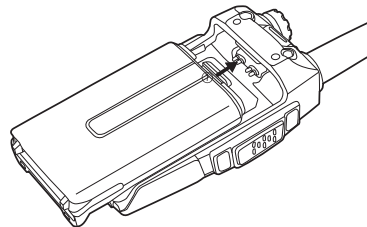
### Battery Tips:

- The battery is not fully charged in factory, please charge before using it.
- Charge and discharge the battery for two or three times, the battery capacity will reach the best condition. When the battery capacity is low, please charge or change the battery.
- The battery lasts shortly even if it is fully charged, the battery is depleted, please contact your local dealer to buy a new authentic **TYT** battery.

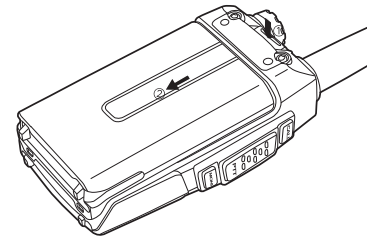
## INSTALLATION OF ACCESSORIES

### Installation of Battery Pack

- 1) Fit the supplied battery pack into the batter pack trough, then slide it toward the head to insert it completely—in direction of arrowhead ①.
- 2) Push the battery pack lock to release the battery pack and slide it toward the bottom to remove it out—in direction of arrowhead ②.



Picture 1



Picture 2

## Antenna Installation

The supplied high gain antenna provides high performance at the entire VHF/UHF frequency range of the transceiver.

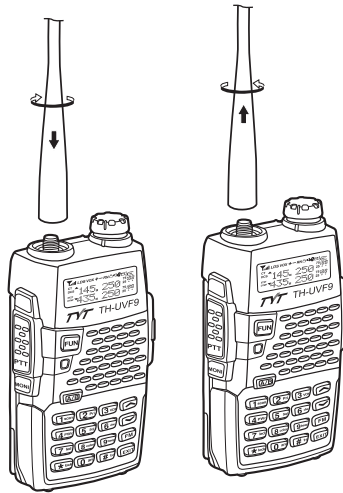
To install the supplied antenna, hold the bottom end of the antenna, then screw it onto the connector on the transceiver until it is snug. Do not over-tighten by use of extreme force.

Picture 3

To uninstall the antenna, hold the bottom end of it and turn it counterclockwise to remove it.

Picture 4

- Notes:
- Never transmit without having an antenna connected.
  - When installing the supplied antenna, never hold the upper part of the antenna while screwing it onto the connector on the transceiver. Or you may snap the antenna.



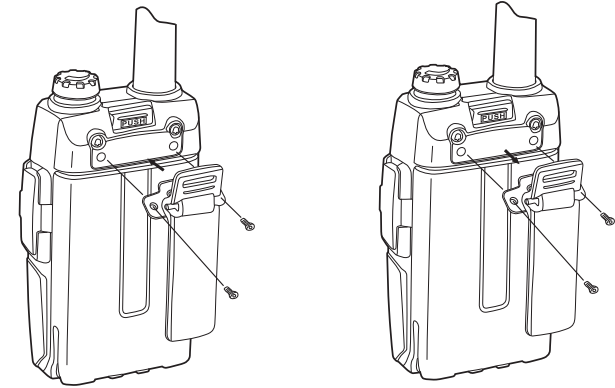
Picture 3

Picture 4

## Installing Belt Clip

Align the two holds of belt clip and the two holes of the radios, fix them with the supplied M2.5x5 screws. Loosen the screw set to remove belt clip.

Picture 5, Picture 6



Picture 5

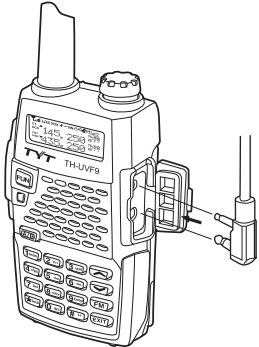
Picture 6



### Installing External Micro/Speaker

Open the cover of the Mic/speaker jack and insert the microphone/speaker plugs into the jack. Picture 7

- Note:**
- Using the external headset or Mic/speaker will affect the water-tightness performance of radio.
  - If the external headset is not workable, please use the headset case.

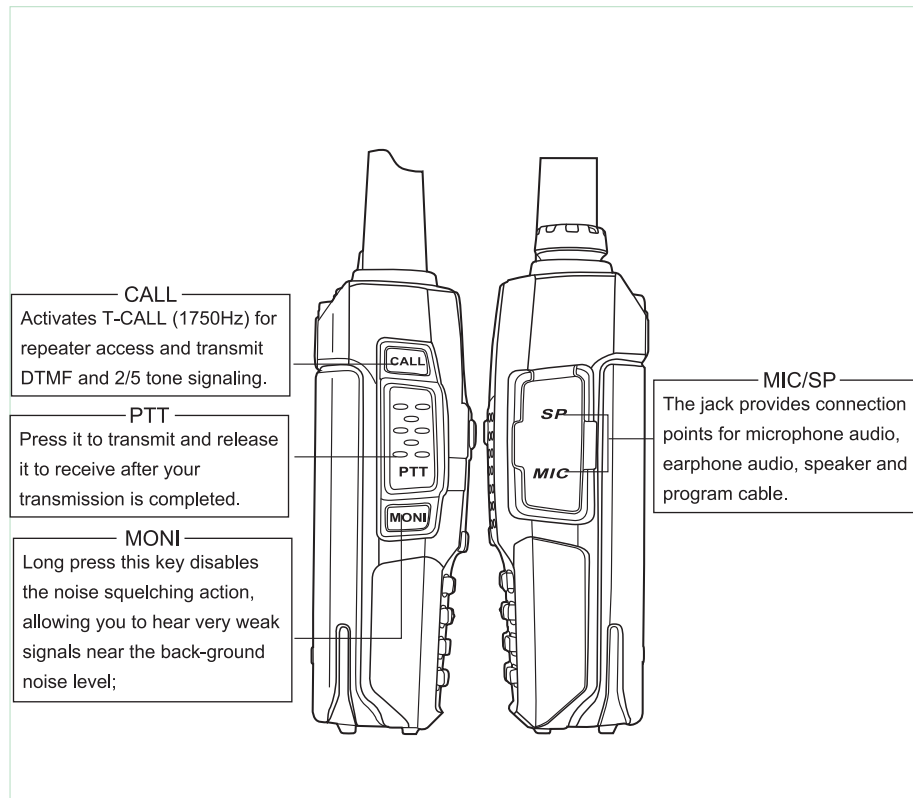
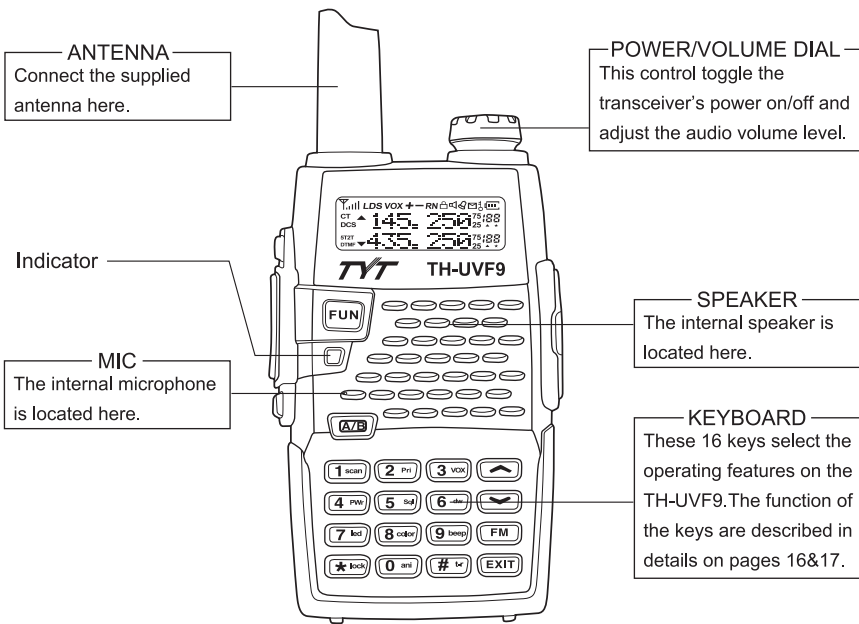


Picture 7

# GETTING FAMILIAR

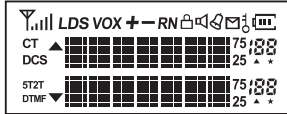
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## RADIO ILLUSTRATION



## LCD DISPLAY

You will see various icons shown on the screen when power on. The following table can help you identify icons' meaning which display on LCD.



Icons	Description of functions
	Operating band signal & power meter
L	Low TX power active
D	Dual watch/standby active
S	RX power save active
VOX	VOX active
+ -	Repeater shift direction and ARS active
R	Reverses the transmit and receive frequency active
N	Narrow band mode active
	Keypad lock active

Icons	Description of functions
	Squelch active
	Beep tone active
	Receive calling ID or MSG
	Scrambler active
	Battery power indicator
CT	CTCSS decoder active
DCS	DCS decoder active
5T	5 Tone signaling active
2T	2 Tone signaling active
DTMF	DTMF signaling active
▲	Operating A band indicator
▼	Operating B band indicator
75 25	Frequency mantissa indicator
188	Channel number/Menu items number indicator
▲	Busy channel indicator
★	Channel scanned available under CH mode

## KEYPAD FUNCTIONS

	[ FUN ]	[ A/B ]	[ ^ ]	[ v ]	[ EXIT ]
Press key	Enter menu mode/confirm the setting	Switch the A or B frequency to be the "Operating" Band	Upper menu item, channel or frequency	Lower menu item, channel or frequency	Switch VFO mode and MR mode/exit the setting
Press and turn on the radio	Enter reset mode	No action	Switch CH mode and VFO mode	No action	No action
	[ 1 FWH ]	[ 2 PRI ]	[ 3 VOX ]	[ 4 PWR ]	[ 5 SCL ]
Press key	Frequency/ Channel No. entry "1"	Frequency/ Channel No. entry "2"	Frequency/ Channel No. entry "3"	Frequency/ Channel No. entry "4"	Frequency/ Channel No. entry "5"
Press [ FUN ] +	Enter scan item	Enter priority TX mode item	Enter VOX level item	Enter high/low power item	Enter squelch level item

	[ 6 CH ]	[ 7 LED ]	[ 8 BEEP ]	[ 9 BEEP ]	[ 0 ANI ]
Press key	Frequency/ Channel No. entry "6"	Frequency/ Channel No. entry "7"	Frequency/ Channel No. entry "8"	Frequency/ Channel No. entry "9"	Frequency/ Channel No. entry "0"
Press [ FUN ] +	Enter dual wait/standby item	Enter LED item	Enter Brightness item	Enter beep item	Enter ANI item
	[ * LCK ]	[ # T-R ]	[ REED ]		
Press key	Left cursor position when editing channel name	Right cursor position when editing channel name	Enter or exit FM radio mode		
	Press and hold key to start keypad lock.	Press and hold key to start reverse frequency	Press [ FUN ] + [ REED ] to start emergency alert		