

User Manual
Two-way radio
Brand : TYT
FCC ID: PODTH-UV3R
Model : TH-UV3R,TH-UV6R,YH-UV7R,TH-UV8R

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-UV3R.

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

<http://www.tyt888.com>

Main Functions

Dual band, dual display and dual standby

Compact and easy to operate

Chinese and English voice prompt

Voice scrambler

COMP function

Channel name editing

Dual watching function

VOX function

CTCSS/DCS scanning

narrow bandwidth selectable

Full frequency range design

Wide frequency coverage

1750Hz tone

Battery capacity management

Power protection function

Programmable multifunction key

FM radio and 25 radio stations memory

PC programming and battery charging are compatible

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Using tips Unpacking and checking equipments

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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.

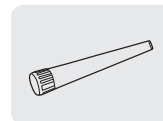
Unpacking and checking equipment

Welcome to use **TYT** TH-UV3R two-way radio. Carefully unpack the radio. We recommend you check the items listed in the following table before discarding the package. If any item is missing, please contact local dealer immediately.

Supplied accessories:



Mainframe:
TH-UV3R (1)



Antenna (1)



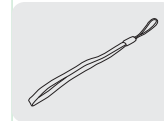
Li-ion battery (1)



Charger
Adapter (1)



Charger (1)



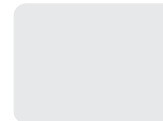
Handstrap (1)



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 INSTALATION OF ACCESSORIES

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Charging Precaution

The supplied battery pack of TH-UJ3R is a high-performance Li-ion battery with 3.7V standard voltage, 1300mAh 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.

1) Normal Charging

Turn off the transceiver. Remove the battery pack out and put it into the charger. Connect Power Adapter to the charger. If the charger indicator light turns red, it is charging normally. When the charger light turns to green after charging is completed, remove the Power Adapter first then get out of the battery pack. It is full with power now.

Note: ■ It is abnormal in case of the charger blinking before sliding the battery pack into the charger.

- If the indicator light is blinking after sliding the battery pack into the charger, maybe the battery pack is damaged or over environment temperature.
- Dont remove the battery pack until the charger indicator light is stable.

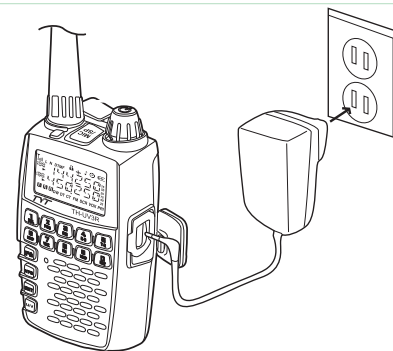
2) Using Power Adapter

If you forget the charger and only have Power Adapter, you can use Power Adapter to charge the TH-UV3R directly, as shown in the illustration to EXT DC jack.



3) Using Program Cable

If you have program cable and PC, that will be more convenient to connect the transceiver to the PC and get charging. That's TH-UV3R new feature and will give you great convenience.

Both method 2 and 3 can see the charging situation through battery capacity indicator icon on the radio.



Indicator light of charger will show charging condition

Indicator Icon	Situation
 blinks	Charging
 is full	Completed

Battery Tips:

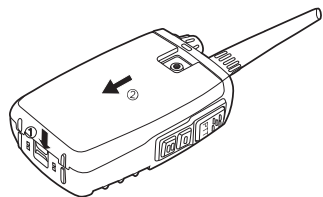
- The battery is not fully charged in factory, please charge before using it.
- Charge and discharge the battery for two or three times, the battery capacity will reach the best condition. When the battery capacity is low, please charge or change the battery.
- The battery lasts shortly even if it is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

INSTALLATION OF ACCESSORIES

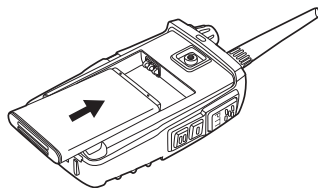
Installation of Battery Pack

- 1) Slide the Battery Cover Latch to Unlock position—in direction of the arrowhead ①, then slide the Battery Cover toward the bottom to remove it out—in direction of arrowhead ②.

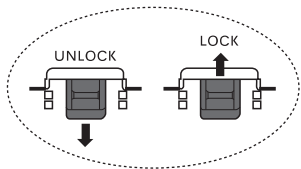
Picture 1



Picture 1

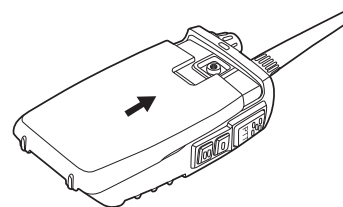


Picture 2



- 3) Return Battery Cover back and slide the Battery Cover Latch to the Lock position.

Picture 3



Picture 3

Antenna Installation

The supplied antenna provides good results over VHF or UHF range of the transceiver you need. However, for enhanced base station medium-wave and shortwave reception, you may wish to connect an external antenna, as the supplied antenna is very small and can't be expected to provide high performance at these frequencies.

The antenna has 4 different frequency bands.

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 4

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

Picture 5



Picture 4



Picture 5

Notes: ■ Never transmit without having an antenna connected.

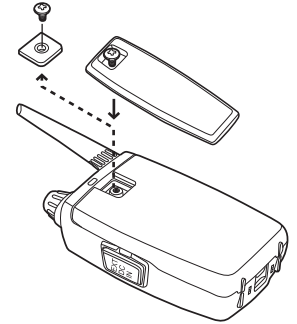
When installing the supplied antenna, never hold the upper part of the antenna while

- screwing it onto the connector on the transceiver. Or you may snap the antenna.

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 6

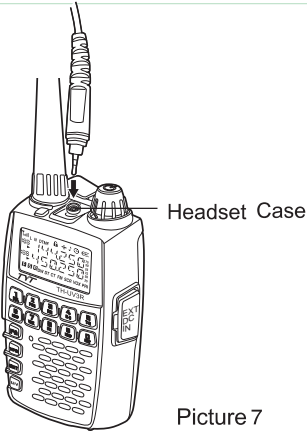


Picture 6

Installing External Micro/Speaker

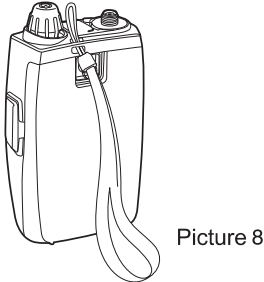
Open the cover of the Mic/speaker jack and insert the microphone/speaker plugs into the jack. Picture 7

- 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.
 - If you want to use the VOX function, please use the common headset.



Wrist Strap Installation

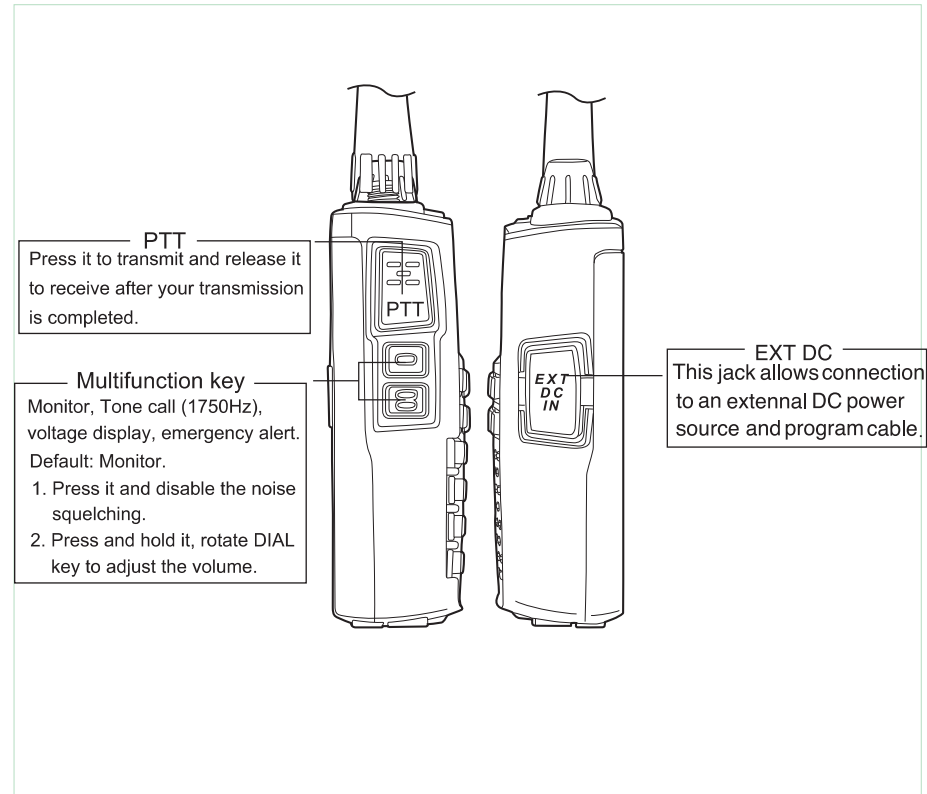
Wear strap through the hole on the back of radio.
Picture 8



RADIO ILLUSTRATION LCD DISPLAY

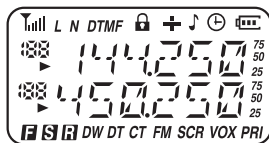
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RADIO ILLUSTRATION



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.



Displaying working frequency, channel number or function menu



Displaying the selected channel number or function menu when the radio is on MR mode.



Indicating TX signal strength and RX signal strength

Icons	Description of functions
	Keypad lock
	Current working channel number in MR mode
	Auto power off
	Beep tone
	Minus shift
	Plus shift
	CTCSS
	DCS
	Function menu for selecting
	Monitor the signal under both VFO and MR mode at the same time
	Low power
	Scrambler function
	VOX function
	Battery capacity indicator
	FM radio ON/OFF
	Priority receiving channel when signal receiving or signal scanning