SAFETY TRAINING INFORMATION

Our TYT ELECTRONICS CO., LTD   radio generators RF electromagnetic during transmit mode.This radio is designed for and classified as"Occupational Use Only", meaning it must be used only during the course of employment by individuals aware of the hazards,and the ways To Minimize Such hazards. This radio is NOT intended for use by the"General Population" in an uncontrolled environment. This radio has been tested and complies with the FCC RF exposure limits for "Occupational Use Only".Inaddition, our   TYT ELECTRONICS CO., LTD   radio complies with the following Standards and Guidelines with regard to RF energy and electromagnetic energy levels and evaluation of such levels for exposure to humans:

--IEEE Std. 1528:2013 and KDB447498, Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields.

--American National Standards Institute (C95.1-1992), IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz.

--American National Standards Institute (C95.3-1992), IEEE Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields- RF and Microwave.

The information listed above provides the user with the information needed to make him or her aware of RF exposure, and what to do to asÿsure that this radio operates with the FCC RF exposure limits of this radio.

Electromagnetic Interference/Compatibility

During transmissions, TYT ELECTRONICS CO., LTD radio generates RF energy that can possibly cause interference with other devices or systems. To avoid such interference, turn off the radio in areas where signs are posted to do so. DO NOT operate the transmitter in areas that are sensitive to electromagnetic radiation such as hospitals, aircraft, and blasting sites.

Occupational/Controlled Use

The radio transmitter is used in situations in which persons are exposed as consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure.

Attention:

This radio complieswith IEEE and ICNIRP exposure limits for occupational/controlled RF exposure emvironment at operating duty factors of up to 50% and is authorized by the FCC for occupational use only. An appropriate warning lable is affixed to all units. In order to comply with RF exposure requirements, a minimum distance of 2.5cm must be maintained when held-to-face, and body-worn operations are restricted to the approved original acessories (belt clip).   Do not use this device when antenna shows obvious damages

This product is compliance to FCC RF Exposure requirements and refers to FCC website https://apps.fcc.gov/oetcf/eas/reports/GenericSearch.cfm search for FCC ID:POD-DMR1 to gain further information include SAR Values.

SAFETY INFORMATION FOR USER

The transceiver is excellently designed with advanced technology. Please observe the following precautions to perform your obligation, prevent personal injury and ensure the safety of transceiver usage.

1. Keep the transceiver and accessories away from children.
2. Please do not try to open or modify the transceiver without permission, non-professionals process may also cause damage.
3. Please use assorted battery and charger to avoid damage.
4. Please use assorted antenna to ensure the communication distance.
5. Please do not expose the transceiver to long period of direct sunlight, nor place it close to heat appliances.
6. Please do not put the transceiver in excessively dusty or humid areas.
7. Do not use harsh chemicals, cleaning solvents to clean the transceiver.
8. Do not transmit without antenna.
9. When using this transceiver, we recommend transmitting for 1 minute then receiving for 4 minutes. Continuous transmitting for long time or working in high power will heat the back of the transceiver. Do not place the transceiver's hot back close to any surface of plastic.
10. If any abnormal odor or smoke detected coming from the transceiver, turn off the power and take off the battery pack and its case. Then contact local dealers.
11. We and our distributors will offer safety/RF exposure trainings to the users after purchasing the devices.

> **ATTENTION:**
> All tips above apply to accessories of your transceiver. If any device can not work normally, please contact local dealers.
> If you use any accessories made by other companies, our Company does not guarantee the operability and safety of the transceiver.

Brief Introduction

Thank you for buying handheld two way radio MD-280 The goal of MD-280 is to provide cost-effective communication equipment for a variety of business sites and the amateur and supply all fast-paced walks of life with perfect communication solutions.

This product uses professional and commercial or amateur frequency, you need to apply for use to radio management institution of the provinces, cities or autonomous regions.

please read this manual carefully in order to know how to properly operate the radio before use.

Welcome to use TYT® two-way radio

http://www.tyt888.com

Main Features

High/low power selective

Voice prompt

Monitor

32 Channels

Low Power Alarm

SQL

VOX

Lone Work

Channel Scanning/Priority Scanning

end-tone elimination

Emergency Alarm

Programmable multifunction key

TOT

Voice Encryption

Talk Around

Digital and Analog Combined

Contents

Unpacking and Checking Equipment

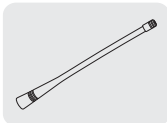Charging the Battery

Using the battery

http://www.tyt888.com

Unpacking and Checking Equipment

Welcome to use *TYT*® MD-280 radios, before using we suggest you:

Please check the packing box of this product and see if there are signs of damage.

Please open the packing box carefully. We recommend that you identify the items listed in the following packing list. if you find that our product and its accessories in handling are lost or damaged during the shipment. Please immediately contact *TYT*® dealers.
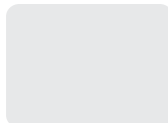
Parts List

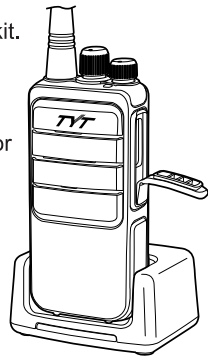| Antenna (1) | Li-ion battery (1) | Belt Clip (1) | Charger (1) |

| Charger Adapter (1) | User's Manual (1) |

Charging the Battery

Please use the battery charger designated by *TYT*® to charge battery, and follow the steps:

- Insert DC jack of power adapter into DC jack behind the charging kit.
- Insert power adapter into AC power supply socket, now the charging red and green indicator lights, successfully connect the power supply.
- Insert the battery to radio equipped with battery into the charging kit. Red indicator keeps lighting means radio is under charging. Red indicator flashes means battery not be used for long time and over-discharged. And will Turn to normal charge when red indicator keeps lighting.
- Confirm the battery is fully charged, when red indicator goes out.
- Please take off the adaptor and battery.

Using the battery

The battery is not completely charged at the factory, please charge it before using.
After purchase or extended storage (more than two months), the first time to charge battery cannot make battery reach its normal operating capacity. After repeating charge /discharge it two or three times, the operating capacity will increase to its normal capacity.

Notice: After fully charge the battery, please do not charge it again and should take it off from the charger. If not, it will short or damage the battery life for over charge.

Note:
- The temperature for charging should be from 5℃to 40℃. Battery can not be over fully charged out of this temperature range. Please prepare a spare battery for the cooler weather and do not discard the defect battery. Because it may be used under the normal temperature.
- Please clean the battery terminal when it covers with some dust or dirty.
- To make sure the battery can be normal use and charge.
- Please turn off the radio power before charging.
- Do not charge the battery before radio or the battery being wet.
- Please change another new battery if battery can not be recover normal capacity after fully charged.

Battery Type

Please use the TYT assigned battery to charge. It maybe explode and harm to human body if use other batteries.

Safety Tips
- Do not discard the battery into fire.
- Do not unfold the battery case by yourself.

Battery Storage
1) Please fully charged battery first to store before long time no use it. To avoid the battery self over discharge and being damage.
2) To avoid short the battery capacity, please fully charged the battery after long time no use. Recommend charge the battery again after six months.
3) Please take care the temperature and humidity for storing battery. Make sure the battery store under the normal temperature, cool and dry to reduce battery discharge.

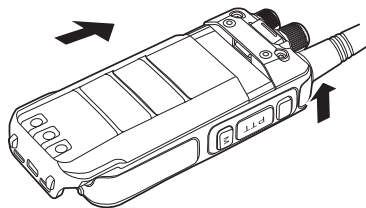# Installing and uninstalling of the accessories

Getting Acquainted
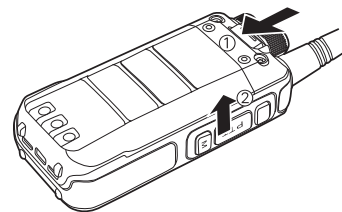
http://www.tyt888.com

Installing and uninstalling of the accessories

Installing / Removing the Battery

To install the battery into the battery positioning hole of radio bottom, then press the battery, make the button completely to lock battery. To remove the battery, please turn off the radio, and then push up the battery button of radio top, finally take off the battery.
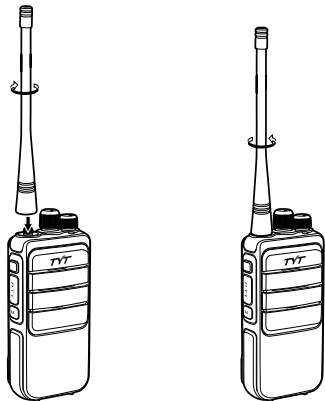
(Install the battery)   (Remove the battery)

Installing/Removing the Antenna

Screw the antenna into the connector on the top of the radio by holding the antenna at its base and turning it clockwise until secure. To turn the antenna counter-clockwise until you can remove it.
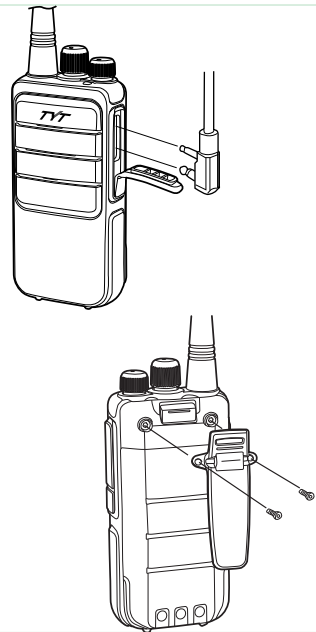
Installing Earphone

Uncover earphone lid, directly insert earphones into earphone holes (earphones need to be additionally purchased)
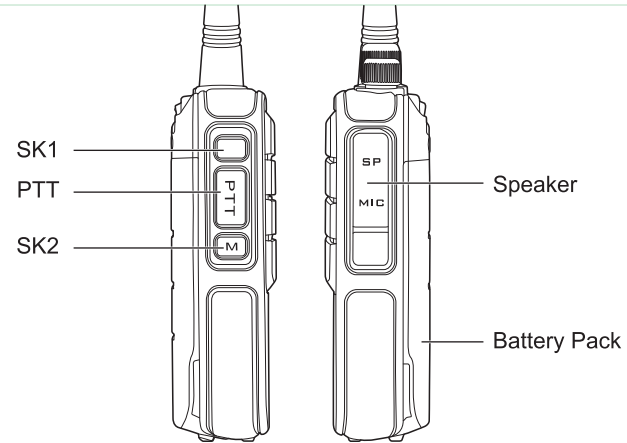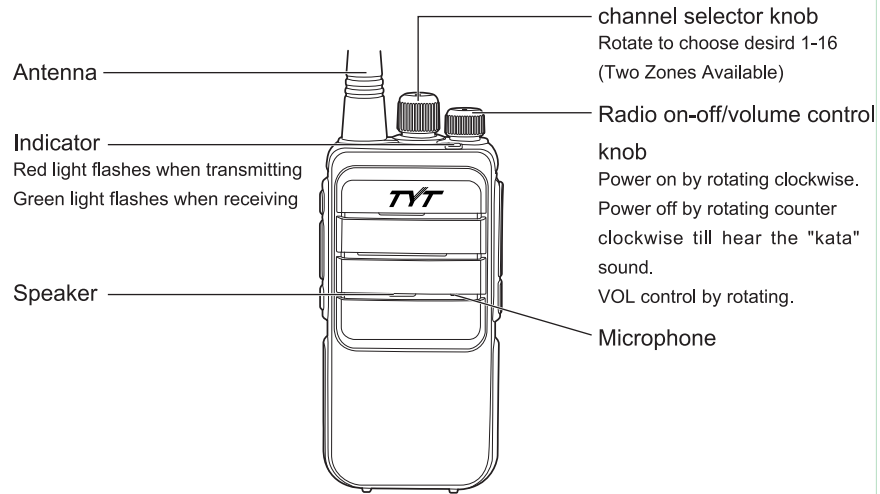
Note: If your radio developed with VOX function, you should re-turn on radio power once to active VOX function.

Installing the belt clip

If necessary, attach the belt clip to the back of battery with the screws supplied carry conveniently.

Getting Acquainted

Antenna

Indicator
Red light flashes when transmitting
Green light flashes when receiving

Speaker

channel selector knob
Rotate to choose desird 1-16
(Two Zones Available)

Radio on-off/volume control knob
Power on by rotating clockwise.
Power off by rotating counter clockwise till hear the "kata" sound.
VOL control by rotating.

Microphone

SK1

PTT

SK2

Speaker

Battery Pack

Note: Program Key 1/2 can be defined the following functions by short/long press.

SK: 1. None   2. Beeper On/Off   3. High/Low Power   4. Monitor   5. One-Key   6. One-Key
    7. One-Key   8. One-Key   9. One-Key   10. One-Key   11. Scanning ON/OFF   12. SQL
    13. Voice Encryption on/off   14. VOX ON/OFF   15. Zone Switch   16. Battery Indicator
    17. Lone Work ON/OFF   18. Emergency Alarm   19. Talk around function