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Talkpod is committed to developing products that help protect the environment.



Quanshun Communication Technology Co., Ltd

Quanshun Bldg., Xiamei Town, Nanan City, Quanzhou,Fujian,

China

V1.0 023



# DMR Digital Portable Radio

## User Manual



Thanks for your favor in our product.

This manual is helpful for you to quickly know how to use the product.

This manual is applicable to the following product:

**DMR Digital Portable Radio**

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## General information

### Preface

Thanks for your favor in our product. This manual is helpful for you to quickly know how to use the product.

This manual is applicable to the following product: D30, D3X, D33, D35, D36, D37, D3, D39

### Disclaimer

Quanshun Communication Technology Co., Ltd endeavors to achieve the accuracy and completeness of this manual, but no warranty of accuracy or reliability is given.

All the specifications and designs are subject to change without notice due to continuous technology development. No part of this manual may be copied, modified, translated, or distributed in any manner without the express written permission of us.

We do not guarantee, for any particular purpose, the accuracy, validity, timeliness, legitimacy or completeness of the Third Party products and contents involved in this manual.

If you have any suggestions or would like to learn more details, please visit our website.

### RF Radiation Information

The radio is not intended for use by general population in an uncontrolled environment. It is only for occupational use and only applied to work-related conditions.

The radio must be only used by users, who are fully aware of the hazards of the exposure and who are able to exercise control over their RF exposure to qualify for the higher exposure limits.

### RF Radiation Profile

Radio Frequency (RF) is a frequency of electromagnetic radiation in the range at which radio signals are transmitted. RF technology is widely used in communication, medicine, food processing and other fields. It may generate radiation during use.

## 1. Radio Structure

### RF Radiation Safety

In order to ensure user health, experts from relevant industries including science, engineering, medicine and health work with international organizations to develop standards for safe exposure to RF radiation. These standards consist of:

- United States Federal Communications Commission, Code of Federal Regulations; 47CFR part 2 sub-part J;
- American National Standards Institute (ANSI)/Institute of Electrical and Electronic Engineers (IEEE) C95.1-1992;
- Institute of Electrical and Electronic Engineers (IEEE) C95.1 – 1999;
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998;

### Operational Instructions and Training Guidelines

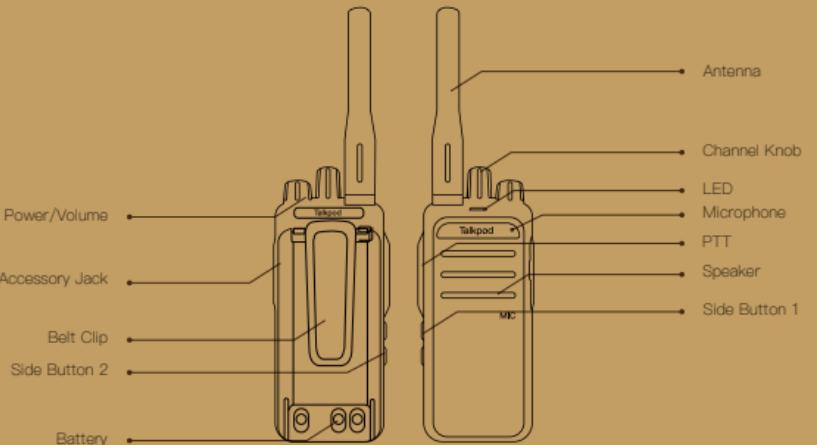
To ensure optimal performance and compliance with the occupational/controlled environment RF energy exposure limits in the above standards and guidelines, users should transmit no more than 50% of the time and always adhere to the following procedures:

- RF energy will be generated only when the radio is transmitting.
- The radio must be 2.5 centimeters away from face when transmitting.

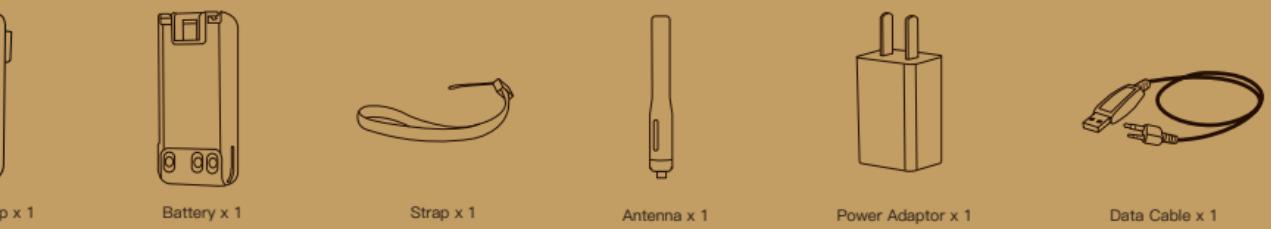
### EU Regulatory Conformance

As certified by the qualified laboratory, the product is in compliance with the essential requirements and other relevant provisions of the Directive 2014/53/EU.

Please note that the above information is applicable to EU countries only.



## 2. Radio Packing



### 3. Button Details

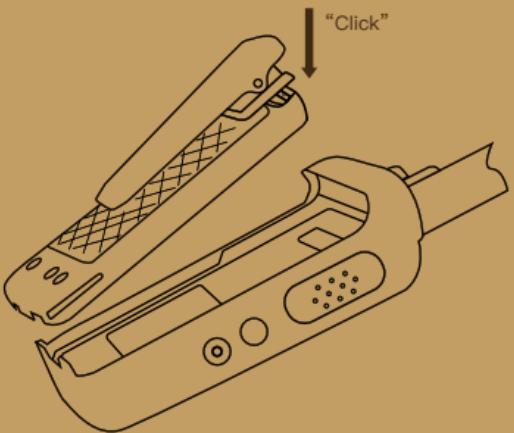
NO	Icon	Name	Description
1		Power/Volume Knob	Turn clockwise to power on and increase the volume Turn counterclockwise to power off the power and decrease the volume
2		LED Light	Green: RX Red: TX
3		PTT	Press to Talk
4		Side Button 1	Side button 1
5		Side Button 2	Side button 2
6		Accessory Jack	For Headsets, Program Cable

### 4. Specifications

Regular	
Model Name	D30
Frequency	400-470MHz
Power	5W /1W
Band	UHF
Working Voltage	DC7.4V
Battery	2000mAh
Weight	230g
Size	113x54x33(mm)
Frequency Stability	±2.5ppm
SOS Alarm	1
Program Key	2
Antenna Impedance	50Ω

The above specifications are tested according to applicable standards. Due to the continuous development of technology, the above index data is subject to change without notice.

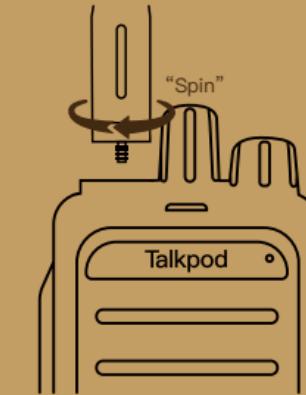
### 5. Attach Battery



#### Note

- Turn off the radio before removing the battery.
- If not assembled with battery specified by Talkpod, the radio will give alarm tone to remind you when powering on. Afterwards, it will operate normally.

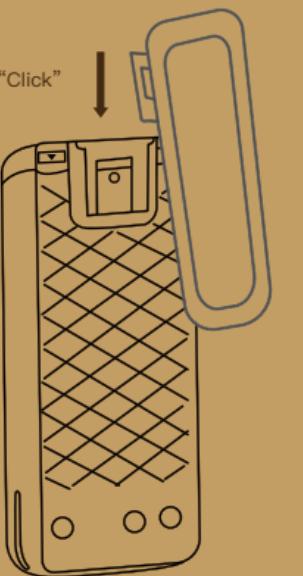
### 6. Assemble Antenna



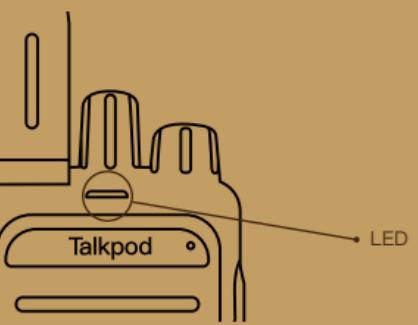
#### Note

Do not swing the radio when holding it by the antenna, so as to avoid lowering the performance and shortening the life span of the antenna.

## 7. Assembling the Belt Clip

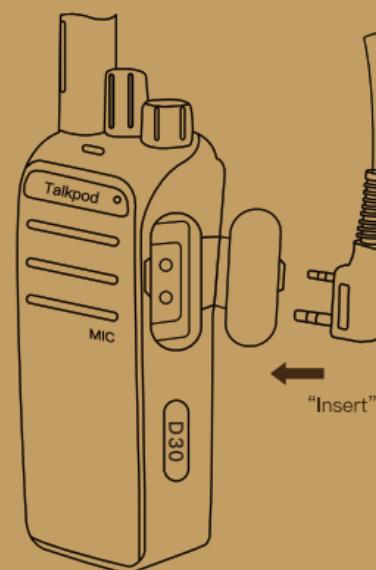


## 8. LED Indicator



LED Status	Product Status
Steady Green	Receiving
Steady Red	Transmitting

## 9. Assembling the Accessories

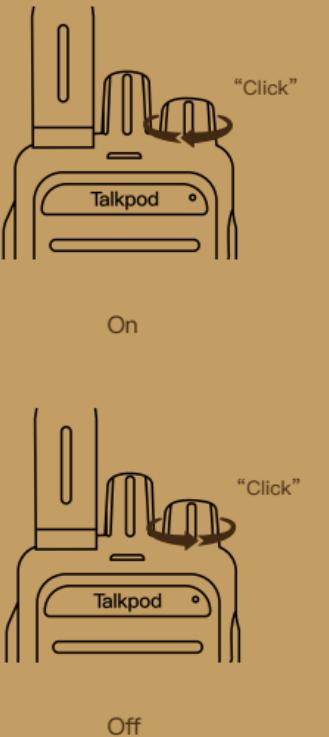


## 10. Charge the radio



Charging Status		
* Blinking Red	-  +	Unchargeable
* Blinking Orange	-  +	Waiting to charge.(Either the battery Voltage is too low or the battery temperature is to low or too high to allow charging.When this condition is corrected, the battery will automatically begin charging.)
• Steady Red	-  +	Rapid Charging
* Blinking Green	-  +	Charged(90% capacity)
• Steady Green	-  +	Fully Charged

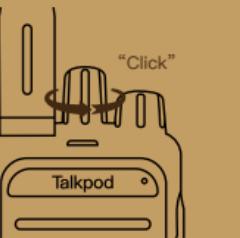
## 11. Powering On/Off



## 12. Button Details

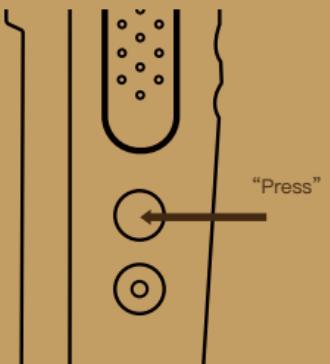


## 13. Channel Selection Button



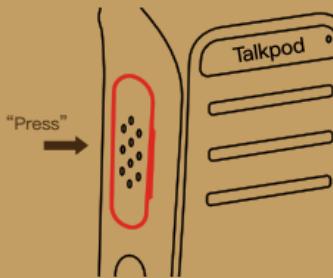
According to different models or interfaces, you can use the knob to select a group, member, friend, or function.

## 14. Side Buttons



According to different models and user habits, side buttons can be set to group/member/friend selection, SOS or to broadcast current groups.

## 15. PTT Button



In different interfaces, press PTT button to make group call, single call, private call.

## 17. Product Care



Do not pierce or scrape the product with any edged instruments or hard objects.



Keep the product far away from substances that can corrode the circuit.



Do not hold the product by its antenna directly.



Do not hold the product by its earpiece cable directly.



Attach the accessory jack cover when the product is not in use. Keep the product far away from substances that can corrode the circuit.

## 18. Troubleshooting

Phenomena	Analysis	Solution
Power-on Failure	The battery may be improperly installed.	Remove the battery and reassemble it.
	The battery power may be used up.	Remove or replace the battery.
	The battery is poorly connected due to dirtied or damaged battery contacts.	Clean the battery contacts. If the problem cannot be solved, contact your dealer or authorized service center for inspection and repair.
During receiving, the voice is weak, discontinuous or totally inactive.	Low battery voltage.	Recharge or replace the battery.
	Low volume level.	Increase the volume by rotating the Volume Control knob.
	The antenna may be loosened or improperly installed.	Reassemble the antenna after turning off the radio.
	The speaker may be blocked or damaged.	Clean the surface of the speaker. If the problem cannot be solved, contact your dealer or authorized service center for inspection and repair.
Unable to communicate with other members.	The frequency or signaling may be inconsistent with that of other members.	Set your TX/RX frequency and signaling to the same as that of other members.
	The channel type(digital/analog)may be set inconsistently.	Make sure all members are on the same digital/analog channel.
	You may be interrupted by radios using the same frequency.	Change the frequency, or adjust the squelch level.

## 19. Optional Accessories

The following items are main optional accessories for the radio. For more information of other accessories, please consult your local dealer.

### Note

Use the accessories specified by Talkpod only. If not, the Company shall not be liable for any losses or damages arising out of use of unauthorized accessories.

Phenomena	Analysis	Solution
Irrelevant communication or noise is heard on the channel.	You may be interrupted by radio using the same frequency.	Change the frequency, or adjust the squelch level.
	The radio may be set with no signaling.	Set signaling for all member radios to avoid interference at the same frequency. And change the signaling settings for all portable radios at the same time.
The noise is too loud.	You may be too far away from other members.	Move towards other members.
	You may locate in an unfavorable position. For example, your communication may be blocked by high buildings or frustrated in the underground areas.	Move to an open and flat area, and restart the radio to try again.
	You may suffer from external disturbance (such as electromagnetic interference).	Stay away from equipment that may cause interference.

Charger	
	3 Series Standard Desktop Charger 3.7–7.4V/DC12V Input
	3 Series Power Adaptor Desktop Charger(All-in-one) 7.4V/AC220V Input
Data line / write frequency line	
	Universal K head dual hole USB to serial port programming cable / N4 / N5 / D4 / B3 universal
	USB to Micro cable / OD3.8PVC / common to all series

	Hand microphone
	Speaker Microphone
	Speaker Microphone With Volume Control

	Power Adapter
	Power Adaptor/12V2A/US/EU/UK/AU
	Power Adaptor/12V1A/US/EU/UK/AU
	Power Adaptor for Multi Unit Charger/DC14V3.5A/US/EU
	Power Adaptor with USB Port 5V2A/US/EU/UK/AU
	Power Adaptor with USB Port 5V1A/US/EU/UK/AU

	Battery
	7.4V/2000mAh

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

SAR tests are conducted using standard operating positions accepted by the FCC with the product transmitting at its highest certified power level in all tested frequency bands, although the SAR is determined at the highest certified power level, the actual SAR level of the product while operating can be well below the maximum value. Before a new model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC, tests for each product are performed in positions and locations as required by the FCC.

For body worn operation, this device has been tested and meets the FCC RF exposure when used with an accessory designated for this product or when used with an accessory that Contains no metal.

To maintain compliance with the FCC RF exposure guideline, hold the transmitter and antenna at least 2.5 centimeters from your face and speak in a normal voice, with the antenna pointed up and away from the face.