Talkpod

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

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V1.0 136

D30 DMR Portable Radio
User Manual

MIC

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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 DMR Portable Radio

Contents

General information

Preface

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

This manual is applicable to the following product:D3X DMR Portable Radio (X may represent 0–9)

Disclaimer

Talkpod Technology Co., Ltd. (the Company) 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 partof 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 porducts and contents involved in this manual.

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

RF Radiation Information

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

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

RF Radiation Safety

In order to ensure user health, experts from relevant industries including science, engineering, medicine andhealth 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)/Instituteof 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,

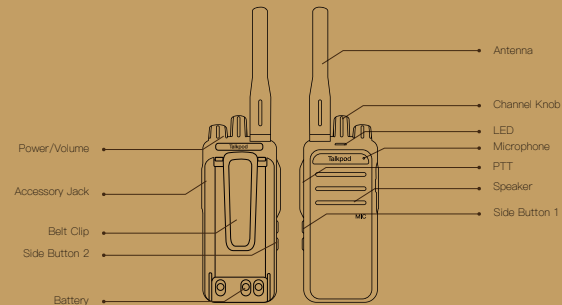users should transmit no more than 50% of the time and always adhere to the following procedures:

● RF energy will be generated only when the radio is transmitting.

● The radio must be 2.5 centimeters away from humanbody when transmitting.
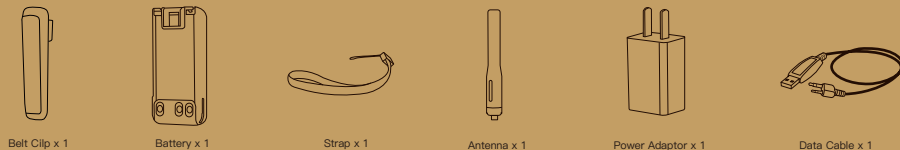
EU Regulatory Conformance

As certified by the qualified laboratory, the product is in compliance with the essential

requirements and other relevant provisions of the Directive 1999/5/EC.

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

1.Radio Structure

Antenna
Channel Knob
LED
Microphone
PTT
Speaker
Side Button 1
Power/Volume
Accessory Jack
Belt Clip
Side Button 2
Battery

2.Radio Packing

Belt Clip x 1   Battery x 1   Strap x 1   Antenna x 1   Power Adaptor x 1   Data Cable x 1

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-D4-U1	D30-D4-U3
Frequency	400~470MHz	446mHz
Power	5W	1W
Band	UHF	
Working Voltage	DC7.4V	
Battery	2000mAh	
Weight	230g	
Size	113x54x33(mm)	
Frequency Stability	±1.5ppm	
SOS Alarm	1	
Program Key	2	
Antenna Impedance	50Ω	
Working Temperature	−30℃ ~ +60℃	

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.

Audio	
Digital vocoder type	AMBE++ or AMBE + 2TM
Speaker	ND3662
Audio IC	ST TDA2822
Audio response	+1~−3dB
Rated audio output	1W
Rated audio distortion	≤3%
Conducted spurious	< −57dBm

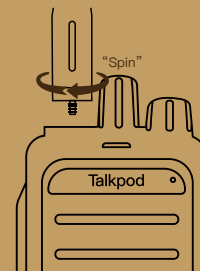| Certification	
CE FCC & IC ID	FCC 2ADQZTPD5X
Dustproof and waterproof	IP54

5.Attach Battery

"Click"
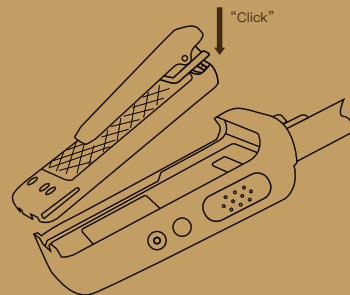
Note

● 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.
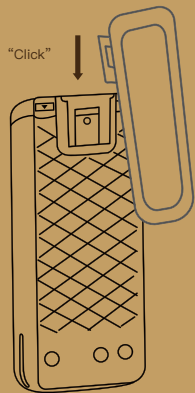
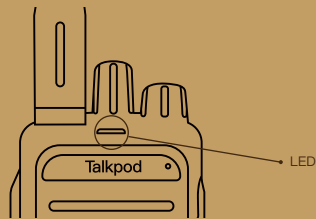## 6. Assemble Antenna

"Spin"

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Note

Do not swing the radio when holding it by the antenna, so as to avoid lowering the performance and shorteningthe life span of the antenna.
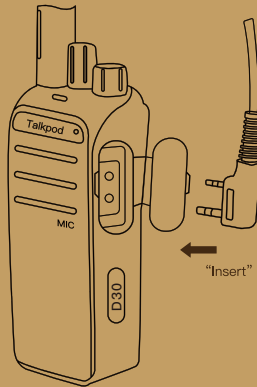
7. Assembling the Belt Clip

"Click"

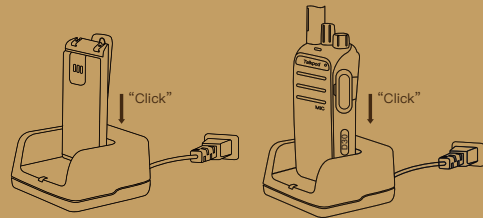## 8. LED Indicator

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LED

LED Status	Product Status
Steady Green	Receiving
Steady Red	Transmiting

9. Assembling the Accessories

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D30

"Insert"

10. Charge the radio

"Click"   "Click"

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
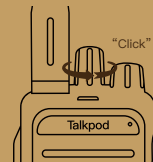
"Click"

On

"Click"

Off

12. Button Details

13. Channel Selection Button

"Click"

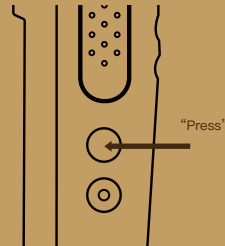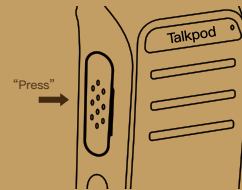According to different models or interfaces, you can ues the knob to select a group, member,friend,or function.

14. Side Buttons

"Press"

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

"Press"

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

16. Product Care

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

Keep the product far away frpm 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 frpm substances that cancorrode the circuit.

17. Troubleshooting

Phenomena	Analysis	Solution
Power–on Fallure	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 receving, 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/anaiog)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.

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 inference 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 otjer members.	Move towards other members.
	You may locate in an unfavorable position.For example, your communication may be blocked by high buildings or frustarted 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.

18. Optional Accessories

The following items are main optional accessories for the radio. For more information of other accessories, olease 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 arsing out of use of unauthorized accessories.

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

Antenna
Digital / analog UHF short antenna / 400–470MHz / black mark
Digital / analog UHF long antenna / 400–470MHz / black mark
Digital / analog UHF built–in GPS short antenna / 400–470MHz / black label
Digital / analog VHF long antenna / 136–174MHz / black mark
Digital / analog UHF long antenna / 450–470MHz / black mark
Digital / analog UHF long antenna / 350–400MHz / black mark
Analog UHF long antenna / 400–480MHz / orange standard
Analog UHF short antenna / 400–480MHz / orange standard

Protective case
Semi–packed nylon cover / adhesive type / with oblique lanyard / small
Semi–packed leather holster / button type / oversized iron back clip / with diagonal strap / medium
All–inclusive leather holster / button type / thick leather pattern / with diagonal strap / large
Wearable chest bag protector / all black
Wearable chest bag protective cover / fluorescent strip
Waterproof bag

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

Earpiece	
	2–Wire Earloop with On–MIC PTT
	2–Wire D–Ring Earphone with On–MIC PTT
	2–Wire Acoustic Tube with On–MIC PTT
	Earloop with In–line Microphone
	D–Ring Earphone with In–line Microphone
	Acoustic Tube with In–line Microphone
	3–Wire Acoustic Tube Surveillance Kit (Black)
	Rotatable ear–hook type oval clip PTT headset
	Right earhook type oval clip PTT headset
	C–type ear–hook oval clip PTT headset
	Ear hook + earplug type oval clip PTT headset

Multi–channel charger	
	3 Series 1X6 Straight 6 Slots Charger 14V3.5A–7.4V
	3 Series 3X2 type6 Slots Charger 14V3.5A–7.4V

Back clip	
	2/3 Series Belt Clip/7CM

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	
	3 Series High Capacity Li–ion Battery With Micro–USB 7.4V/3000mAh

EU Declaration of Conformity

Talkpod

In accordance with EU Directives and Regulations

Quanshun Communication Technology Co., Ltd
ADD: Quanshun Bldg., Daxiamei, Nan'an, Quanzhou, Fujian, China 362302
as the manufacturer, hereby declares under our sole responsibility that
product(s): Two Way Radio
Model name: D30 is in conformity with the essential requirements of the Radio Equipment Directive 2014/53/EU:

Radio EN 303 405 V1.1.1 (2017–05)   Safety EN 62368–1: 2014 + A11: 2017
Article 3.2   Article 3.1(a)

EMC EN 301 489–1 V2.2.3 (2019–11)   Health EN 50566:2017
Article 3.1(b) EN 301 489–5 V2.2.1 (2019–04)   Article 3.1(a)

The notified body Bay Area Compliance Labs Corp.(BACL) (EU Identification Number: 1313) performed
a conformity assessment according to Annex III, Module B.
Signed on behalf of Quanshun Communication Technology Co., Ltd

Roger Chen

(Signature of authorized person)
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