Talkpod

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

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B30SE Business Portable Radio User Manual

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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:
B30SE Business 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:B3X 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:
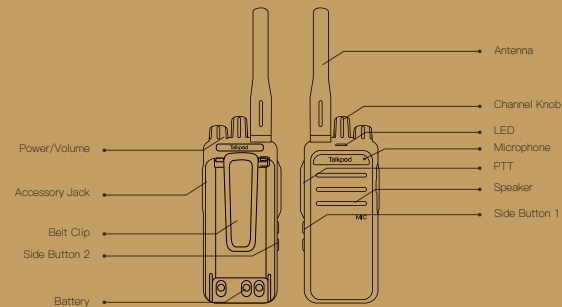
- RF energy will be generated only when the radio is transmitting.
- The radio must be 2.5 centimeters away from humanbody when transmitting.
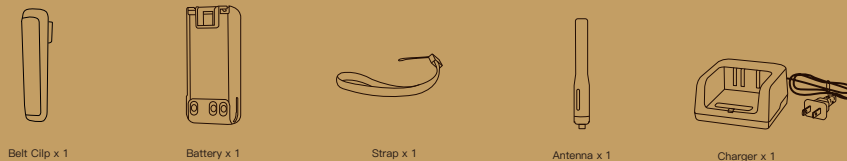
EU Regulatory Conformance

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 Cilp x 1   Battery x 1   Strap x 1   Antenna x 1   Charger x 1
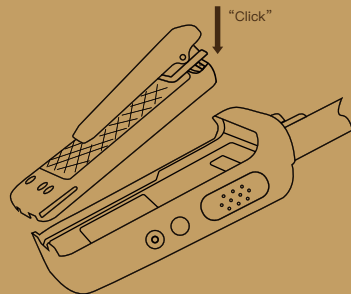
3. Button Details

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	Programable Side button
5		Side Button 2	Programable Side button (Better use Long press S2 for SOS)
6		Accessory Jack	For Headsets, Program Cable

4. Specifications

Regular	
Model Name	B30-PMR446
Frequency	446mHz
Power	0.5W
Work Mode	Analog
Working Voltage	DC3.7V
Battery	2000mAh
Weight	215g
Size	108*52*58(mm)
Frequency Stability	±2.5ppm
SOS Alarm	1
Program Key	2
Antenna Impedance	50Ω
IP Rating	IP54
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.
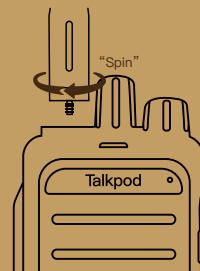
Receive	
Sensitivity	0.25/0.28μV
Hum and noise	40dB @ 12.5KHz
	45dB @ 25KHz
Adjacent channel selectivity	60dB
Signal-to-Noise Ratio	≥40dB/34dB
Rated Audio Output Power	1W
Rated Audio Distortion	≤5%
Audio Response	<1 ~ -3dB
Spurious Response	55dBm

Transmit	
Clutter and Harmonics	≤-40dBm
Audio Distortion	≤ 5 %
Modulation Mode	16K0F3E/8K0F3E
Residual FM	≥37dB/34dB

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.
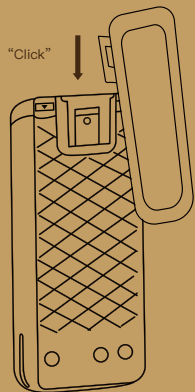
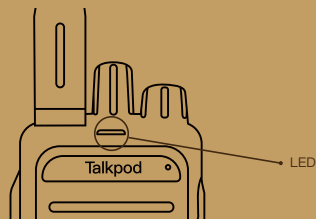# 6 . Assemble Antenna

"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.
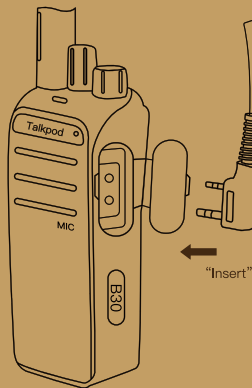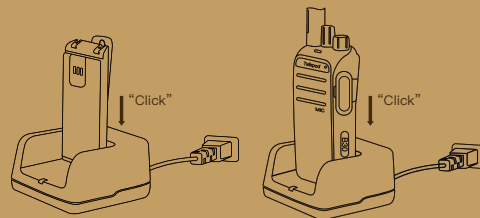
7. Assembling the Belt Clip

"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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MIC

B30

"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
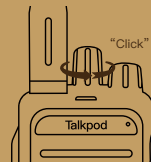

"Click"

On

"Click"

Off

12. Button Details

13. Channel Selection Button

"Click"

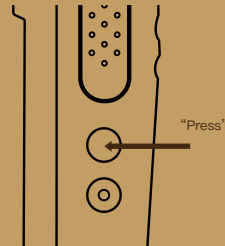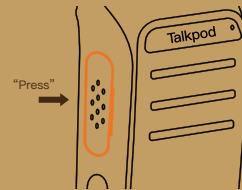According to different models or interfaces, you can ues the knob to select a group, member,friend,or function.

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"

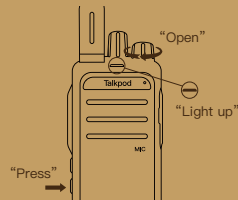In different interfaces,press PTT button to make group call,single call, private call.
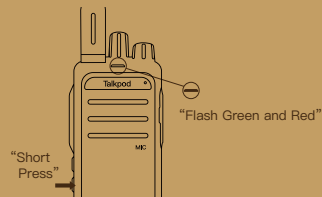
16. SMART WIRELESS CLONE

"Spin"

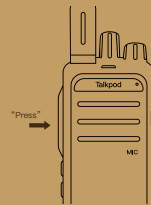a. Rotate channel to 16th（Clockwise）While the radio off

"Spin"

C. Rotate the channel to another one.

"Open"

"Light up"

"Press"

b. Keep Pressing Side button 2 and power on the radio until LED lights green.

"Flash Green and Red"

"Short Press"

d. Short Press Side button 2，The LED starts to flash Green and Red.
Then it gets into copy mode and start copying frequency.

"Press"

e. Press PTT button of the other analog radio to keep it transmitting. Keep a disance between two radios about 1 meter. Until the B30 speaks its current channel number twice, then it succeeds to copy the other radio's channel.

17. 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.

18. 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.

19. 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 / 3.7V–7.4V / DC12V input
3 series integrated desktop charger / 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

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

Headset
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 Inline Desktop Six–way Charger / 14V3.5A
3 Series 3X2 type6 Slots Charger 14V3.5A–7.4V

Back clip
2 Series / 3 Series Belt Clip / Spring Type / 7CM

Hand microphone
Speaker Microphone
Speaker Microphone With Volume Control

Power Adapter
Power adapter / 12V2A / GB
Power adapter / 12V2A / European regulations
Power adapter / 12V2A / British regulations
Power adapter / 12V2A / Australia regulations
Power adapter USB interface / 5V2A
Power adapter USB interface / 5V1A
Power adapter / 12V1A / GB
Power adapter / 12V1A / European regulations
Power adapter / 12V1A / British regulations
Power adapter / 12V1A / Australia regulations

EU Declaration of Conformity

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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: B30SE is in conformity with the essential requirements of the Radio Equipment Directive 2014/53/EU:

Radio EN 303 405 V1.1.1 (2017–05)
Article 3.2

Safety EN 62368–1: 2014 + A11: 2017
Article 3.1(a)

EMC EN 301 489–1 V2.2.3 (2019–11)
Article 3.1(b) EN 301 489–5 V2.2.1 (2019–04)

Health EN 50566:2017
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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