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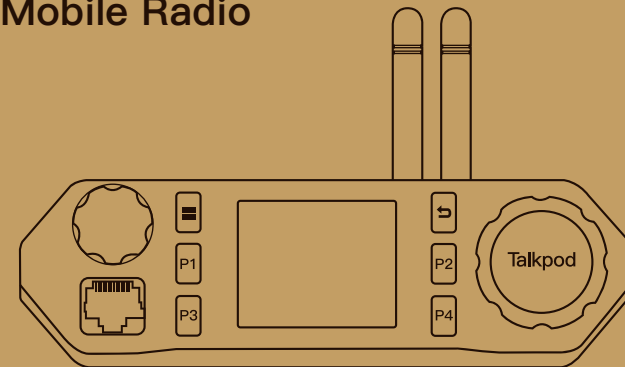
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# N86 PTT Network Mobile Radio User Manual



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:  
**N86 PTT Network Mobile 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: N86 PTT Network Mobile Radio .

### 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 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 at [www.talkpod.us](http://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 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.

## 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:

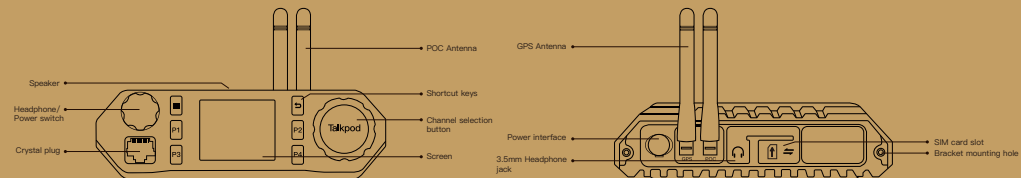
- RF energy will be generated only when the radio is transmitting.
- The radio must be 2.5 centimeters away from human body when transmitting.

## EU Regulatory Conformance

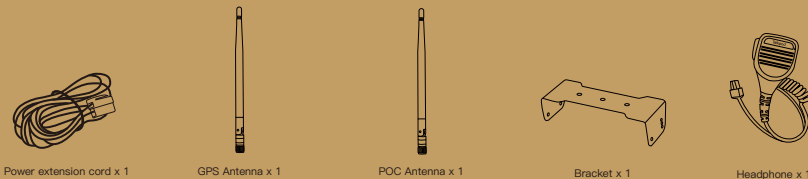
As certified by the qualified laboratory, the product is in compliance with the essential requirements and other relevant provisions of the Directive 1999/5/EC.

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

# 1. Radio Structure



# 2. Radio Packing



### 3. Button Details

NO	Icon	Name	Description
1		Headphone/ Power switch	Turn clockwise to increase the volume Long press to boot
2		Channel selection button	Rotate button to select channel
3		Menu Button	Enter the menu Press the menu button and the power button together to start the frequency writing mode
4		Return Button	Return to the previous operation
5		Side Button 1 to 4	Programable Side button
6		Accessory Jack	For Headsets, Program Cable, SIM card slot

NO	Icon	Name	Description
7		Power interface	Power extension cord interface
8		Antenna interface	POC/GPS Antenna interface
9		Hand microphone interface	Enter the menu Press the menu button and the power button together to start the frequency writing mode

### 4. Specifications

Version Information	
Model Number	N86
G-B17-E6 for Europe	FDD-LTE-B1/3/5/7/8/20
	TDD-LTE-B38/40/41
	WCDMA-B1/5/8 GSM-B3/8
G-B17-E7 for USA	FDD-LTE-B2/4/12
	WCDMA-B2/5
G-B17-E12 for Australia	FDD-LTE-B1/2/3/4/5/7/8/28
	TDD-LTE-B40
	WCDMA-B1/2/5/8 GSM-B2/3/5/8

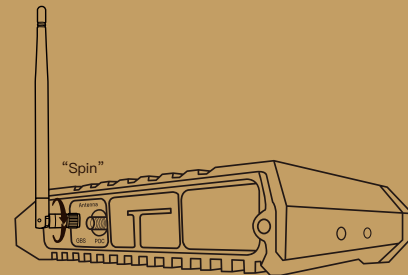
General Specifications	
Operating System	BREW(Linux)
Chipset	SIM7600
WIFI	N/A
Memory	N/A
Applications	Realptt(Corset)
Bluetooth	N/A
GPS	Default
Display	1.77inch Color LCD Display
Antenna	WCDMA/4G Antenna
Languages Supported	English,Chinese, etc...
warranty	2 Years

General Specifications	
Ports	Data Type
Knob	Channel and Volume/On/Off
Dedicated Keys	Menu, Return to gram/matrix
SIM Card Slot	1 X Standard SIM
Microphone	High sensitivity
Dimensions (H x W x D)	140x125x40 (mm)
Weight	620g/21.86oz

Certification	
CE FCC & IC ID	FCC 2ADQZTP05X
Dustproof and waterproof	IP54

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.

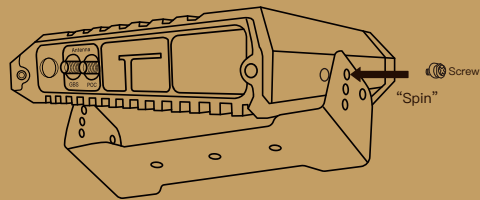
### 5. Assemble Antenna



#### 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.

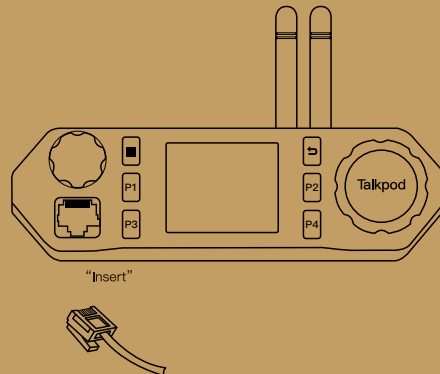
## 6. Mounting bracket



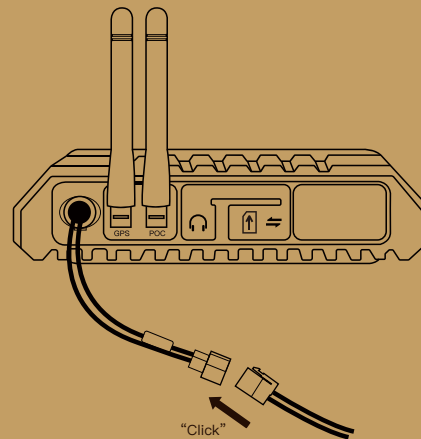
### Note

Adjust the screw hole gear according to the specific situation .

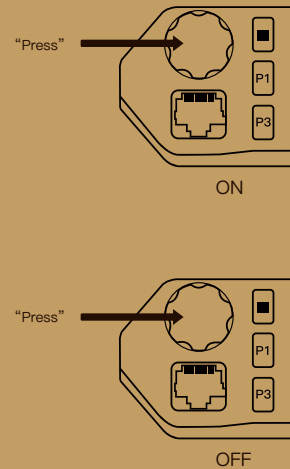
## 7. Assembling the Accessories



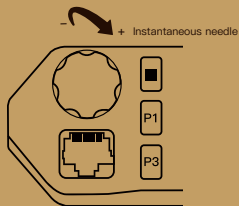
## 8. Connect the power extension cord



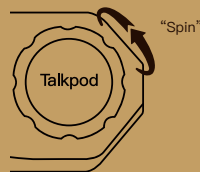
## 10. Powering On/Off



## 9. Button Details



## 10. Channel Selection Button



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

## 11. 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.

## 12. 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.


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.


## 13. 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.


Antenna	
	PoC Antenna 4G/3G/2G for Mobile Radio/Foldable (Standard)
	GPS Antenna for Mobile Radio/Foldable (Standard)

Car Station Bracket Remarks	
	N86 Bracket/Black Iron/3 Level (Standard)
	N86 Suction cup bracket/3 suction cup

Data line / write frequency line	
	USB-Crystal Connector Program Cable for N86

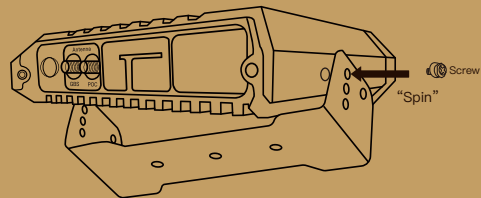
Hand Microphone	
	N86 Micro Speaker (Standard)
	N86 Desktop Micro Speaker

Power extension cord	
	N86 3m extension cable/black and red double line/ with fuse (Standard)

Package	
	N8 Mobile Radio standard packaging box (Standard)



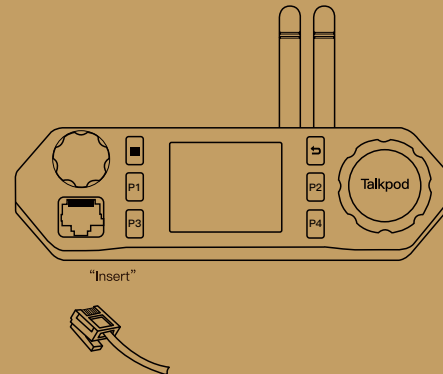
## 6. Mounting bracket



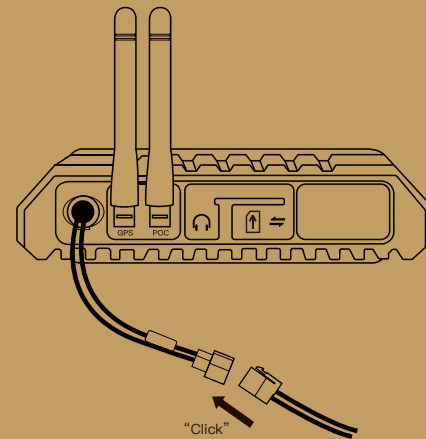
### Note

Adjust the screw hole gear according to the specific situation .

## 7. Assembling the Accessories



## 8. Connect the power extension cord



## 10. Powering On/Off

