Multi Band Transceiver
User Manual

136.000
435.000

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:
Multi Band Transceiver

Contents

Welcome to the world of Talkpod technology

Congratulations on your purchase of a high quality Talkpod product.
Your 2-way radio represents state-of-the-art high-tech engineering.
Designed for GMRS (General Mobile Radio Service) operation, this compact package is big on performance. It is a quality piece of electronicequipment, skillfully constructed with the finest components.
The circuitryis all solid-state and mounted on arugged printed circuit board. Your two way radio is designed for reliable and trouble-free performance for yearsto come

Features

30 GMRS Channels
142 Privacy Codes (38 CTCSS / 104 DCS)
Waterproof JIS4 Standard
VOX
Selectable Call Alert (5 additional Animal Sounds on GXT1050)
NOAA Weather Radio
NOAA Weather Alert
NOAA Weather Scan
Dual Watch
Vibrate Alert

Monitor Function
Roger Beep Tone
 Silent Operation
Keypad Lock
Whisper Function
SOS Siren
Power HI/LO Settings
Speaker / Microphone Jacks
Battery Meter / Battery Low Indicator

Important Notice

FCC LICENSE REQUIRED FOR GMRS OPERATION
(Only Applicable for GMRS Radio Use in the United States)
The radios operates on GMRS (General Mobile Radio Service) frequencies which require an FCC (Federal Communications Commission) license. You must be licensed prior to operating on channels 1 - 7 or 15 - 22, which comprise the GMRS channels of the radios. Serious penalties could result from unlicensed use of GMRS channels, in violation of FCC rules, as stipulated in the Communications Acts Sections 501 and 502 (amended).
You will be issued a call sign by the FCC which should be used for station identification when operating the radio on GMRS channels. You should also cooperate by engaging in permissible transmissions only, avoiding channel interference with other GMRS users, and being prudent with the length of your transmission time.

To obtain a license or ask questions about the license application, contact the FCC at 1-888-CALLFCC or go to the FCC's website: http://www.fcc.gov and request form 605.
Exposure To Radio Frequency Energy

IMPORTANT: Changes or modifications to this unit not expressly approved by Quanshun Communication Technology Co., Ltd could void your right to operate this unit. Your radiois set up to transmit a regulated signal on an assigned frequency. It is against the law to alter or adjust thesettings inside the COMMUNICATOR to exceed those limitations. Any adjustment to your radio must be made by qualified technicians.

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:A36plus, A36, A36P, A361, A37, A371, UV-37, UV-A37, EP-UVA37, UV36, UV37

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;

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
SOS Button
LED
Microphone
PTT
Speaker
Side Button 1
Screen
Keyboard

Power/Volume
Accessory Jack
Belt Clip
Side Button 2
Battery

136.000
435.000
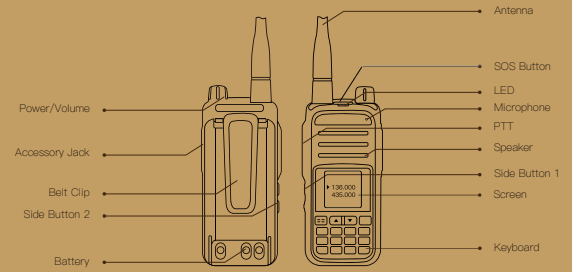
3. Button Details

NO	Icon	Name	Description
1	LED Light	LED Light	Green: RX Red: TX
2	PTT	PTT	Press to Talk
3	Side Button 1	Side Button 1	Programable Side button
4	Side Button 2	Side Button 2	Programable Side button (Better use Long press S2 for SOS)
5	Accessory Jack	Accessory Jack	For Headsets, Program Cable
6	Power Knob	Power Knob	Turn clockwise to power on and increase the volume Turn counterclockwise to power off the power and decrease the volume
7	SOS button on the top	SOS button on the top	One click on SOS alarm
8	Keyboard	Keyboard	Multifunction keyboard

4. Specifications

Regular	
Model Name	A36plus
Frequency Range	TX/RX:462.5500-462.7250MHz, 462.5625-462.7125MHz, 467.5500-467.7125MHz, 467.5625-467.7125MHz FM broadcast Receiving:65-108MHz AM Receiving:108-136MHz NOAA Receiving: 161.65-163.275MHz VHF Receiving:136-260MHz UHF Receiving:350-520MHz Scanning:136-520MHz
Number of channels	30 channels(GMRS)
Work Mode	Analog
Frequency Stability	2.5ppm, 5.0ppm
SOS Alarm	1
Weight	210g
Size	108*52*28(mm)
Program Key	2
Battery	Standard 1500mAh, 7.4V
Antenna Impedance	50Ω
IP Rating	IP54
Working Temperature	−30℃ ~ +50℃

Receive	
Receiving sensitivity	<0.20uv(12dB SINAD)
Squelch sensitivity	<0.2uV
Intermodulation anti-interference	65dB
Audio distortion	<5%
Audio power	1W
Receive current	≤380mA
Audio Response	+1 ~ −3dB
Clutter resistance	≥65dB

launch Part	
Emission current	≤1.3A
Maximum deviation frequency	≤5KHz/≤2.5KHz
Stray power	≤ 7.5uW
Adjacent channel power	≤−65dB
QT/DQT Frequency deviation	0.7± 0.1KHz/0.4±0.1KHz
Signal-to-noise ratio	≥−45dB/≥−40dB
Modulation sensitivity	8−12mV
Output Power	462MHz Main Channels:34.21dBm 462MHz Interstitial Channels:34.56dBm 467MHz Main Channels:34.1dBm 467MHz Interstitial Channels:34.24dBm

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

"Click"
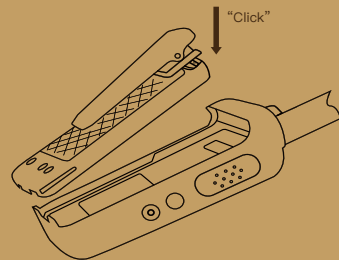
Note

● Turn off the radio before removing the battery.

● If not assembled with battery specified by Company, the radio will give alarm tone to remind you when powering on. Afterwards, it will operate normally.

6 . Assemble Antenna

"Spin"
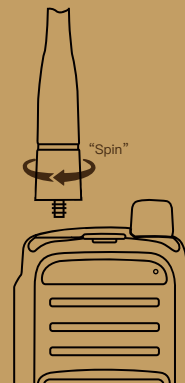
Note

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"
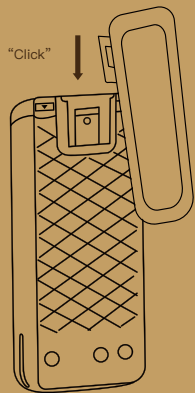
8. LED Indicator

LED
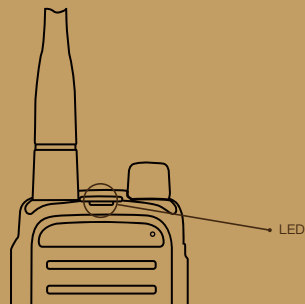
LED Status	Product Status
Steady Green	Receiving
Steady Red	Transmiting

9. Assembling the Accessories

MIC

A36

"Insert"

10.Powering On/Off

"Click"

On

"Click"
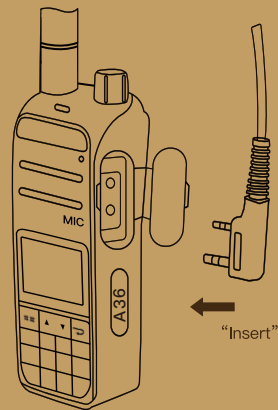
Off

11.Button Details

12.Side Buttons
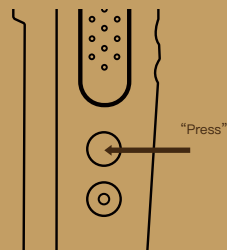
"Press"

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

13.PTT Button

"Press"

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

14. Multi-Band Portable Transceiver menu description

No	Function function	Secondary menu	Setting instructions
1	SQL	0, ..., 9	The lower the squelch level, the easier it is to interfere,the higher the level, the worse the sensitivity, and the setting should be moderate
2	STEP	2.50K 5.00K 6.25K 10.00K 12.50K 20.00K 25.00K 30.00K 50.00K	In the frequency mode, press the up and down keys to change the step value of the frequency
3	MEMCH	000,...,256	Indicate the channel number to be stored while store channel. If 'CH' in front of number means this channel already has a channel parameter.
4	DELCH	000,...,256	Delete the channel parameters of the specified channel. If there is no CH– means that the channel has no parameters and the operation is invalid.
5	R–CTCSS	OFF	None CTCSS
		67.0HZ,...,254.1HZ	Standard CTCSS. Input standard or nonstandard CTCSS via keypad.
6	R–DCS	OFF	None DCS
		D023N,...,D754I	Standard DCS
7	T–CTCSS	OFF	None CTCSS
		67.0HZ,...,254.1HZ	Standard CTCSS. Input standard or nonstandard CTCSS via keypad.

No	Function function	Secondary menu	Setting instructions
8	T–DCS	OFF	None DCS
		D023N,...,D754I	Standard DCS
9	VOICEPRI	OFF	
		Encryption 1	
		Encryption 2	
		Encryption 3	
		Encryption 4	
10	CH–NAME	COMMOM NAME LIST	
11	TOT	30,60,...480s	The number is from 30 to 480s, and the maximum time for PTT transmission is indicated in 30s steps.
12	SAVE	OFF	Off Battery Saving
		1	Off Battery Saving
		2	Normal Saving
		3	Super Saving
13	ROGER	OFF	Turn Off
		ON	Turn On
14	RESET	VFO	Menu back to factory setting
		ALL	Menu and channel back to factory setting

No	Function function	Secondary menu	Setting instructions
15	VOX	OFF	Turn off VOX function, transmitting without PTT pressing.
		1,2,...9	Activate the sound pressure intensity of voice control, level 1 is the most sensitive.
16	W/N	WIDE	Wide mode
		NARR	Narrow mode
17	VOICE	OFF	Turn off voice prompt
		ON	Turn on voice prompt
18	BEEP	OFF	Turn off operation prompt
		ON	Turn on operation prompt
19	LANGUAGE	ENGLISH	English
		CHINESE	Chinese
20	BCL	OFF	OFF
		ON	ON
21	ABR	ON	Background light is always on.
		5s,10s,...3min	Time between the background light ON to automatically OFF.
22	OFFSET	00.000,...,99.995	In frequency mode, the difference between the transmitting and receiving frequencies.

No	Function function	Secondary menu	Setting instructions
23	SC-REV	TO	Time scanning, the walkie-talkie pauses scanning when it detects a signal, and after staying stopped for about 5 seconds, the walkie-talkie will continue scanning even if the signal is still there.
		CO	Carrier scanning, the two-way radio pauses scanning when a channel is detected and keeps it on the same frequency until the signal disappears. There is a 2 second delay between the disappearance of the signal and the resumption of scanning to allow time for the response to begin transmission.
		SE	Search scanning, the walkie-talkie exits scanning when it detects a signal and stays at this frequency.
24	PF2		
25	PF2 LONG PRESS		
26	PF3		
27	SFT-D	OFF	In frequency mode, turn off the difference between the transmitting and receiving frequencies.
		+	In frequency mode, the TX frequency=RX frequency plus frequency difference
		−	In frequency mode, the TX frequency=RX frequency minus frequency difference
28	SCAN CTCSS		

No	Function function	Secondary menu	Setting instructions
29	SCAN DCS		
30	CDCSS SAVE MODE	ALL	ALL
		RX	Receiving
		TX	Transmitting
31	POWER ON MSG	LOGO	Photo
		VOL TAGE	Battery voltage
32	ANI NAME	NUM1...NUM60	No.1———No.50 radio. The radio name of 51–60 can be set
33	S–CODE	1,2,3...15	
34	DTMF CODE	OFF	Turn off
		BOT	Press PTT to transmitting DTMF
		EOT	Release PTT to transmitting DTMF
		BOTH	BOTH
35	AUTOLK	OFF	Turn off auto keypad look
		5s,10s,...3min	Turn on the keypad timing automatic lock function

No	Function function	Secondary menu	Setting instructions
36	DTMFST	OFF	No DTMF prompt when press key to transmitting DTMF
		DT–ST	DTMF prompt when press key to transmitting DTMF
		ANI–ST	DTMF prompt when automatically transmitting DTM
		DT+ANI	DTMF prompt when automatically transmitting DTMF and press key to transmitting DTMF
37	SCAN ADD		
38	TONE	1000,1450,1750,2100Hz	
39	PTT–LT	0,100,...,1000	Delay time before automatic DTMF transmitting
40	MENU EXIT TIME	5,10,...60s	Control the time of menu automatically exit
41	VOX DELAY	0.5SEC.....2.0SEC	Due to the delay of the repeater, noise appears when receive instant signal.
42	RP_STE	OFF	OFF: Adjust to eliminate the tail. If want to ensure if the repeater is work or not, set OFF.
		1,2,3,4,5,...10s	
43	RPT–RL	OFF	OFF: Adjust the length of time the tail sound appears, if not needed, set it to off.
		1,2,3,4,5,...10s	

No	Function function	Secondary menu	Setting instructions
44	ANI FUNCTION	OFF	Turn off
		ON	Turn on
45	MDF–A	FREQ	A band displays as frequency in channel mode
		CH	A band displays as channel in channel mode
		NAME	A band displays as channel name in channel mode
46	MDF–B	FREQ	B band displays as frequency in channel mode
		CH	B band displays as channel in channel mode
		NAME	B band displays as channel name in channel mode
47	TX–A/B	OFF	In dual standby mode, transmitting current frequency band
		A	In dual standby mode, press PTT to transmitting A band for cross–band TX/RX
		B	In dual standby mode press PTT to transmitting B band for cross–band TX/RX

No	Function function	Secondary menu	Setting instructions
48	TDR	OFF	Turn off
		ON	Turn on
49	STE	OFF	After releasing the PTT, the radio will send a turn–off code to suppress the instant noise of the receiver.
		ON	After releasing the PTT, the radio will send a turn–off code to suppress the instant noise of the receiver.
50	AL–MOD	SITE	On–site Emergency
		SOUND	Send emergency voice
		CODE	Send emergency code
51	DISPLAY	OFF	Turn off
		ON	Turn on
52			
53			

15.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.

16.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.

17. 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 Company only. If not, the Company shall not be liable for any losses or damages arsing out of use of unauthorized accessories.

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

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

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

19.Technical Information

Channel Type	Channel Number	Frequency (MHz)	Channel Type	Channel Number	Frequency (MHz)
462 MHz Main Channels	1	462.5500	467 MHz Main Channels	1	467.5500
	2	462.5750		2	467.5750
	3	462.6000		3	467.6000
	4	462.6250		4	467.6250
	5	462.6500		5	467.6500
	6	462.6750		6	467.6750
	7	462.7000		7	467.7000
	8	462.7250		8	467.7250
462 MHz interstitial channels	1	462.5625	467 MHz interstitial channels	1	467.5625
	2	462.5875		2	467.5875
	3	462.6125		3	467.6125
	4	462.6375		4	467.6375
	5	462.6625		5	467.6625
	6	462.6875		6	467.6875
	7	462.7125		7	467.7125