



TWO WAY RADIO(GMRS RADIO)

KG-UV96G

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Warning

- » Please turn off the transceiver in explosive environment (e.g. Coal gas, Dust, Steam etc.)
- » Please turn off the transceiver while refueling or parking at the gas station.



Precautions

Radios are high-quality with excellent design and advanced technology. The following suggestions will help user fulfil the obligation of warranty, and realize the security of using the transceiver.

1. Please put the transceiver and all accessories away from the children.
2. Please do not disassemble the transceiver as non-professional user maybe damage the transceiver.
3. Please use the company attached batterypack and charger to avoid damaging the radio.
4. Please use the company attached antenna to avoid shortening communication distance.
5. Please do not put the transceiver near to the heating appliance or expose it in the sun for a long time.
6. Please do not put the transceiver in extremely dusty, moist, watery or unstable place.
7. Please do not wash the radio with strong chemicals or strong lotion.
8. Please do not transmit before installing the antenna.
9. Turn off the power supply immediately if the transceiver emits an unusual smell or smokes, then take out the battery or batterypack and notify wouxun dealer.

NOTE

- » All the above suggestions are used for radios and accessories. Please contact with dealer once the radios and accessories cannot be used.
- » Once the accessories are not produced by company, the radio security and operation will not be warranted.

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Installing before use

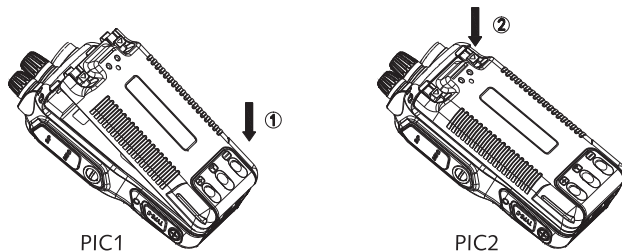
■ Install / remove batterypack

The batterypack is not fully charged before leaving factory. Please charge it before use.

NOTE

- » Do not shortcircuit the terminals or put the batterypack into fire.
- » Do not try to remove the case from the batterypack.

1. Please aim the batterypack at the back of the transceiver, and then push up and press down the batterypack to lock the release latch. (PIC1)
2. If you want to remove the batterypack, push down the release latch, and the batterypack will be released from the transceiver. (PIC2)

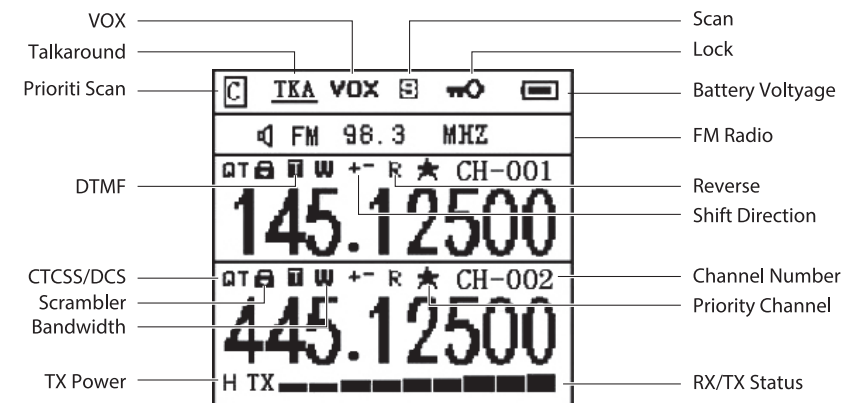


Getting Started

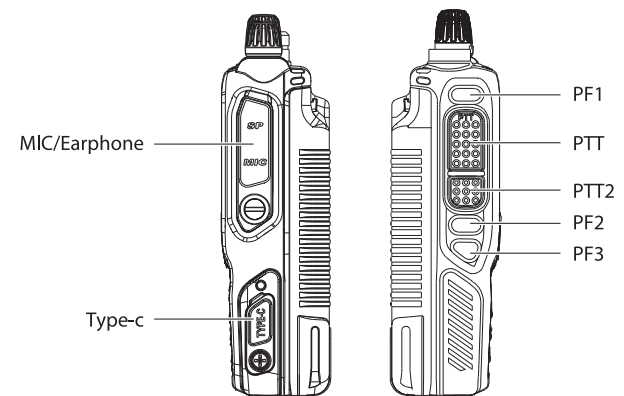
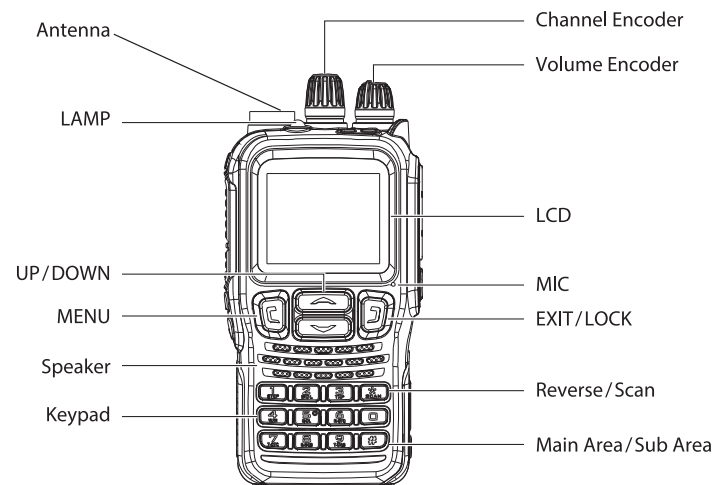
Description of Transceiver

LCD Display

There are various indicators display on the screen when powering on. Please refer the below table to learn what the indicators stand for accordingly.



Getting Started



Description for main functions

Multi Modes

1) TWO-WAY RADIO mode

2) Weather Channel Receive Mode

-- There are two display mode A and B, A is two-way radio mode and the other mode B is for weather channel receive mode. They display the respective frequency/Channel. The main area B is with larger display than A area.

-- It goes to the sub menu system only when the radio is display in main area B, while both areas A and B are available for main menu system.

Basic Operations

1. Quick Search

Short press or every time is possible to search one of the settings or options, while long press or is possible to quickly search the settings or options.

2.

Short press to enter the sub menu system (Only when the radio is display in main area B), while long press to enter the main menu system.

3.

In FM Radio mode, short press to quickly search the radio stations while long press to lock/unlock the keyboard.

4.

In standby, short press to switch the A and B area, long press to switch the single display or dual display. In the CTCSS/DCS mode by MENU options, short press # key to select the positive and negative codes.

5. EXIT Key

In standby, long press EXIT key to lock or unlock the keypad.

6.

In standby, short press to activate reverse function, and long press to quickly activate the scan function. It switches to OFF option if in the CTCSS/DCS mode.

7. DTMF

Key layout for DTMF function as below.

Description for main functions

				→	A	B	C	D
1 STEP	2 SQL	3 TXP	* SCAN		1	2	3	*
4 MIN	5 SQL	6 SOTC			4	5	6	0
7 SOTC	8 SOS	9 SOS	# → O		7	8	9	#

8. Intelligent Charger

It voice prompts "low voltage" when the batterypack is in the low status, and there is "DI" sound every 5 seconds.

- 1) Please connect the intelligent charger to the power (AC: 100-240V) , the red LED flashes once and it gets ready for charging.
- 2) Please insert the batteries into the intelligent charger, the red LED keeps flickering and it is being charged. It is full charged when green LED is ON.

NOTE

- » It starts the trickle-charge at the first beginning of charger if the battery was running out. The red LED turns on during being charged. And it changes to green when full charged.
- » The trickle-charge is helping to protect the battery life.

9. USB-C charging

The radio also supports the USB-C charging. When charging by USB-C, the red LED on the USB port at the right side of the radio is ON. (It displays the charging status if the radio is powered on during being charged.)

NOTE

- » Voltage for USB-C charging is 5V 2A.

Instructions for functions list

Instructions for function list --- Sub Menu System (Short press)

Frequency Step (STEP) ---- MENU 1

In standby, press + / , display STEP

Press and / to select the step option.

function description: Set the VFO frequency to adjust the step value.

Options: 2.5K/5K/6.25K/8.33K/10K/12.5K/25K/50K/100K/1000K

Default value: 12.5K

Squelch Setting- (SQUELCH) ---- MENU 2

Squelch level is about when the signal is strong enough to turn on the squelch function, and when it is weak enough to turn off. You may hear the voice from the loudspeaker when turning ON the squelch and receiving the same signal from other transceivers. Higher level makes it harder to receive the weak signals, while lower level will be interfered by noises and/or unwanted signals.

In standby, press + , the screen displays

Press to enter, press / to select the desired squelch level, then press to confirm, finally press to return to standby.

NOTE

» The squelch level for this transceiver has 0-9 levels selectable, and level 0 means turn off the squelch function. The higher level of the squelch is set, the stronger receiving signal is needed.

Transmitting Power Selection (TX-POWER) ---- MENU 3

In standby, press → , display

Press to confirm, and press / to select the power level then press to confirm, and press to back to standby.

Bandwidth (W-N) ---- MENU 4

In standby, press + , the screen displays

Press to enter, it shows 'WIDE', press / to select WIDE/NARROW bandwidth, then press to confirm, finally press to return to standby.

There are two bandwidths for option:WIDE:25KHz and NARR:12.5KHz



Instructions for functions list

Busy Channel Lockout (BUSYLOCK) ---- MENU 5

In frequency mode, press + , the screen displays

Press to enter, press to select ON/OFF this function, then press to confirm, finally press to return to standby.

Note: This function is invalid in cross band repeater or repeater/transmitter modes.

Receiving CTCSS (RX-CTCSS) ---- MENU 6

When the transceiver is standby, press the + keys and the screen will display

Press the key to access the menu, and after pressing the key to select the CTCSS you desire, press the key to confirm, and press the key to return to standby.

CTCSS has a total of 5 groups, ranging from 67.0-254.1Hz. OFF: Deactivate

Non-Standard CTCSS is ranging from 65.0 to 260.0Hz

Transmitting CTCSS (TX-CTCSS) ---- MENU 7

When the transceiver is standby, press the + keys and the screen will display

Press the key to access the menu, and after pressing the key to select the CTCSS you desire, press the key to confirm, and press the key to return to standby.

CTCSS has a total of 5 groups, ranging from 67.0-254.1Hz. OFF: Deactivate

Non-Standard CTCSS is ranging from 65.0 to 260.0Hz

Receiving DCS (RX-DCS) ---- MENU 8

When the transceiver is standby, press the + keys and the screen will display

Press the key to access the menu, and after pressing the key to select the DCS you desire, press the key to confirm, and press the key to return to standby.

DCS: 105 groups of positive code, 105 groups of negative code, ranging from D023N to D754I.

OFF: Deactivate.

Transmitting DCS (TX-DCS) ---- MENU 9

When the transceiver is standby, press the + keys and the screen will display

Press the key to access the menu, and after pressing the key to select the DCS you desire, press the key to confirm, and press the key to return to standby.

Non-standard DCS is configured by three numbers from 001 to 777 excluded 8 or 9. For example, 680.719 is illegal non-standard DCS tone.

Please press to select the positive or negative codes, and press to turn off the DCS tone.



DCS													
1	D023N	16	D074N	31	D165N	46	D261N	61	D356N	76	D462N	91	D627N
2	D025N	17	D114N	32	D172N	47	D263N	62	D364N	77	D464N	92	D631N
3	D026N	18	D115N	33	D174N	48	D265N	63	D365N	78	D465N	93	D632N
4	D031N	19	D116N	34	D205N	49	D266N	64	D371N	79	D466N	94	D645N
5	D032N	20	D122N	35	D212N	50	D271N	65	D411N	80	D503N	95	D654N
6	D036N	21	D125N	36	D223N	51	D274N	66	D412N	81	D506N	96	D662N
7	D043N	22	D131N	37	D225N	52	D306N	67	D413N	82	D516N	97	D664N
8	D047N	23	D132N	38	D226N	53	D311N	68	D423N	83	D523N	98	D703N
9	D051N	24	D134N	39	D243N	54	D315N	69	D431N	84	D526N	99	D712N
10	D053N	25	D143N	40	D244N	55	D325N	70	D432N	85	D532N	100	D732N
11	D054N	26	D145N	41	D245N	56	D331N	71	D445N	86	D546N	101	D731N
12	D065N	27	D152N	42	D246N	57	D332N	72	D446N	87	D565N	102	D732N
13	D071N	28	D155N	43	D251N	58	D343N	73	D452N	88	D606N	103	D743N
14	D072N	29	D156N	44	D252N	59	D346N	74	D454N	89	D612N	104	D743N
15	D073N	30	D162N	45	D255N	60	D351N	75	D455N	90	D624N	105	D754N

In standby, press + **1 STEP** , screen displays

Options: FREQ, CH, CHFREQ, NAME

- » It supports to program password to switch the work mode.
- » The password is invalid if the password is configured by six 0 (it means there is no password needed) , otherwise, the password is working.

In standby, press + **1STEP** **1STEP**, and the screen display

Press  to access the menu, press  /  to select the parameter you desire, and then press  to confirm, press  to return to standby.

Offset frequency range:0-599.995MHz, The 7th and 8th frequency point depends on the programmed step frequency.

In standby, press + **1STEP** **2SQL** , The screen display

Press  to enter, press  /  to select the desired frequency shift direction, then press  confirm, press  it return to standby.

Instructions for functions list

There are three selections for the frequency shift direction setting:

1. Plus shift (+), which means that the transmitting frequency is higher than the receiving frequency.
2. Minus shift (-), which means that the transmitting frequency is lower than the receiving frequency.
3. Turn off this function

NOTE

» When offset frequency is out of the allowed offset frequency range, the transceiver can not transmit. In this case, please make sure the offset frequency and receiving frequency is within the allowed range.

Channel Name Edit (CH-NAME) ---- MENU 13

Channel names can only be edited in channel mode, and only the name of the present channel can be edited this operation is ineffective in frequency mode.

In standby, press + keys and the screen will display

Press to access the menu, and the first digit will flash (which indicates that this digit is being edited).

Press to choose the required character, press to edit the next character, press to confirm, and then press to return to standby.

NOTE

- » 1.Channel names can be maximum of 8 characters long.
- » 2.When all 8 characters are empty, the channel will be displayed on the screen as "NO-NAME!"

Channel Adding (CH-ADD) ---- MENU 14

In channel mode or standby, press + , the screen displays

Press to access the menu, press / to select the desired channel order, and then press to memorize with a voice prompt. Press to return to standby.

When the transceiver is in channel(MR) mode, the parameters(except channel name and scan adding) will be memorized into the channel.

When the transceiver is in frequency(VFO) mode, you can program all the parameters(frequency, offset, offset directions etc.) into the channel to memorize.

Example:

Memorize the parameters: "Receiving frequency 450.025MHz, receiving CTCSS is 67.0Hz, transmission frequency is 460.025MHz" into the Channel NO.10.

1. Inputting 450.025MHz to the transceiver in frequency(VFO)mode, press + to access

Instructions for functions list

- receiving CTCSS/DCS setting, press / to select 67.0Hz, press to confirm.
2. Press + **1STEP 1STEP** to select the offset frequency is 10.000MHz, press + **1STEP 2SQL** to set the frequency direction as "+".
3. Press + **1STEP 4WIN** to access channel memory, select CH-010 and press to memorize the channel and return to standby.
- In standby, press + **1STEP 4WIN** to access channel memory, the screen displays , input the desired channel number orderly, and then press to confirm.

NOTE

- » When the selected channel is empty (without any parameter), the characters of the channel number is blue, while the selected channel is with the memorized parameters, the characters of the channel number is dark red.

Channel Delete (DEL-CH) ---- MENU 15

In standby, press + **1STEP 5BCL** , the screen will display .

Press to access the menu, press / to select the channel you wish to delete or manually inputting the channel number, press to confirm and the key to return to standby.

Special Reminder

- » 1st channel can not be deleted.
- » When the selected channel is empty (without any parameter), the color of the channel number is white, while the selected channel is with the memorized parameters, the color of the channel number is purple.

Mute Mode (MUTE-MODE) ---- MENU 16

In standby, press + **1STEP 6MTC** , the screen displays .

Press to access the menu, and after pressing / to choose the required mute mode, press to confirm, and press to return to standby.

Squelch settings: set the conditions which determine when the speaker shall be turned on, these settings are used during selective calls, group calls and all calls.

The transceiver's mute mode include:

QT: When the transceiver is set to this mode, all signals on the same QT frequency will activate the speaker.

QT+DTMF: only those signals which both satisfy the requirements of QT and whose DTMF carrier wave

Instructions for functions list

signal also match the transceiver will activate the speaker in this mode.

QT*DTMF: When this mode is active, only those signals which either meet QT requirements or DTMF requirements will activate the speaker.

Scanning Tone (TONESCAN) ---- MENU 17

This function is scanning the programmed frequencies or channels with CTCSS/DCS or not. When the CTCSS/DCS are not compatible with the one you are going to communicate with, it stops the regular communication.

In standby, press + , screen displays Select CTCSS or DCS, then Press to confirm and start the scan.

Special Reminder

- » if there is no carrier received on the scanned frequencies or channels, the function is not activated.
- » pls use the / to change the direction for scanning.
- » it stopes on the frequency or channel which is programmed with CTCSS/DCS, pls press to save by yourself if needed. Pls press to continue to scan the next frequencies or channels if not needed.

Scan Adding (SCAN-ADD) ---- MENU 18

This function means whether a channel in scanning when in the startup channel scanning, so the function can be set only in the channel mode under the current channel, is invalid in frequency mode.

In standby, press + , the screen display Press to access, press / to select ON/OFF. And then press to confirm, and press to return to standby.

Note: The function is invalid in cross-band repeater or repeater/transmitter mode.

Call Tone (CALLCODE) ---- MENU 19

Function description: Set the selective calling group corresponding to the DTMF code when the selective calling function defined by the side key is pressed under the current channel or frequency of the radio.

Options: 1-20

Default value: 1

Instructions for functions list

Scrambler (SCRAM) ---- MENU 20

This is a special voice process to keep the communication confidential from other non-users.

In standby, press + , screen display

Press to enter the function, then press to select the parameter and then to confirm, while press to return back to the standby.

There are 8 groups for selection, OFF is to turn off this function then.

Compander ---- MENU 21

Function description: It helps to decrease the background noise.

Option: ON, OFF

Default: OFF

Instructions for function list --- Main Menu System (Long press)

Battery Saver (BAT-SAVE) ---- MENU 1

When the power saver function is ON, the receiver circuit will be cut off for a moment, and then re-activate to detect the signals for a while, in order to reduce the battery capacity consumption.

In standby, press + , the screen displays

Press to enter, it shows 'ON', press to select turn ON/OFF the power saver function.

Press to confirm, and then press to return to standby.

Roger (ROGER) ---- MENU 2

When the transceiver is standby, press the + keys and the screen will display:

Press the key to access the menu, and after pressing the keys to choose the required prompt mode, press the key to confirm, or the key to return to standby.

The transceiver features 4 kinds of prompt: BOT (beginning of transmission) , EOT (end of transmission) , BOTH (beginning and end of transmission), and OFF (prompts deactivated).

Instructions for functions list

Transmit Out Timer (TOT) ---- MENU 3

This transceiver can be set in 60 levels with 15 seconds each, between 15 and 900 seconds.

In standby, press + **3 TYP**, the screen displays

Press to enter, press / to select the desired timer level, then press to confirm, finally press to return to standby.

VOX (VOX) ---- MENU 4

In standby, press + **4 WIN**, the screen displays

Press to enter, press / to select VOX level(1-9), then press to confirm, finally press to return to standby.

NOTE

- » The higher level of VOX is set, the higher volume is needed.
- » In SCAN and FM radio modes, the VOX function is not available.

Voice Guide (VOICE) ---- MENU 5

In standby, press + **5 BCL**, the screen displays

Press to enter, press / to select ON or OFF, and then press key to confirm, finally press to return to standby.

NOTE

- » Turn off MENU 9 and MENU 11 at the same time to turn off all the voice prompt if required.

Transmit Out Alert (TOA) ---- MENU 6

In standby, press + **6 INTP**, the screen displays

Press the key to access the menu, and after pressing the / keys to select the required time, press the key to confirm, and the key to return to standby.

TOA has a maximum length of 10seconds, each level corresponding to 1second. OFF: Deactivate TOA.

Special Reminder

- » When the transmission exceeds the "Time-out timer" set time, a error tone will prompt, and transmission is stopped automatically.

Instructions for functions list

Beep Prompt (BEEP) ---- MENU 7

In standby, press + , the screen displays

Press to enter, press / to turn ON/OFF the beep prompt function, then press to confirm, finally press to return to standby.

Language (LANGUAGE) ---- MENU 8

In standby, press + , the screen display

Press to access the function, press / to select the desired language, and then press to confirm, press to return to standby mode.

Two Options: CHINESE and ENGLISH

Scan Mode (SCAN MODE) ---- MENU 9

In standby, press + , the screen display

Press to access the function, press / to select the desired language, and then press to confirm, press to return to standby mode.

Two Options: CHINESE and ENGLISH

TO: after finding a carrier wave signal, scanning will continue if no operations are carrier out within 5 seconds.

CO: scanning will stop when a carrier wave signal has been found, and scanning will continue if the carrier wave signal is lost for 3 seconds.

SE: scanning will stop when a carrier wave signal is found.

NOTE

» Hold on for 2 seconds to access the scan mode.

Scan Tones SW (QT-SW) ---- MENU 10

In standby, press + , screen displays

Press to confirm, and press / to select if scanning tones then press to confirm, and press to back to standby.

Options:

OFF: Will not scan tones when scanning in Channel or Frequency mode.

ON: Will scan tones when scanning in Channel or Frequency mode.

Instructions for functions list

2nd PTT (PTT2 DEF) ---- MENU 11

In standby, press + / , display PTT2 TX

Option: CALL, VFTX KEY

PF1 Short Press Assignment (PF1-SHORT) ---- MENU 12

In standby, press + , screen displays .

Press to confirm, and press / to select the option then press to confirm, and press to back to standby.

Options: MONI, SCAN, REVERSE, BAND, WORKMODE, B-LIGHT, TX-POWER, VOX, LAMP, FM-RADIO, TALK, TIMER, CALL

PF1 Long Press Assignment (PF1-LONG) ---- MENU 13

In standby, press + , screen displays .

Press to confirm, and press / to select the option then press to confirm, and press to back to standby.

Options: MONI, SCAN, REVERSE, BAND, WORKMODE, B-LIGHT, TX-POWER, VOX, LAMP, FM-RADIO, TALK, TIMER, CALL

PF2 Short Press Assignment (PF2-SHORT) ---- MENU 14

In standby, press + , screen displays .

Press to confirm, and press / to select the option then press to confirm, and press to back to standby.

Options: MONI, SCAN, REVERSE, BAND, WORKMODE, B-LIGHT, TX-POWER, VOX, LAMP, FM-RADIO, TALK, TIMER, CALL

PF2 Long Press Assignment (PF2-LONG) ---- MENU 15

In standby, press + , screen displays .

Press to confirm, and press / to select the option then press to confirm, and press to back to standby.

Options: MONI, SCAN, REVERSE, BAND, WORKMODE, B-LIGHT, TX-POWER, VOX, LAMP, FM-RADIO, TALK, TIMER, CALL

PF3 Short Press Assignment (P1-SHORT) ---- MENU 16

In standby, press + , screen displays .

Press to confirm, and press / to select the option then press to confirm, and press to back to standby.

Instructions for functions list

PF3 Long Press Assignment (P1-LONG) ---- MENU 17

In standby, press + , screen displays .

Press to confirm, and press / to select the option then press to confirm, and press to back to standby.

Options: MONI, SCAN, REVERSE, BAND, WORKMODE, B-LIGHT, TX-POWER, VOX, LAMP, FM-RADIO, TALK, TIMER, CALL

Backlight (ABR) ---- MENU 18

In standby, press + , screen displays .

Press to confirm, and press / to select the backlight option then press to confirm, and press to back to standby.

Options: Always on, 1S to 20S, Always OFF

Work Backlight (BRT-ACTV) ---- MENU 19

In standby, press + / , display BRT-ACTV

Options: 1 to 10 levels

Standby Backlight (BRT-STBY) ---- MENU 20

In standby, press + / , display BRT-STBY

Options: 1 to 10 levels

Standby LED (BK-LED) ---- menu 21

In standby, press + / , display BK-LED

Options: OFF (RX indicator is OFF in standby), ON (RX indicator in standby flashes green every 10 seconds)

Startup Message (ST-MSG) ---- MENU 22

In Standby, press + , the screen displays .

Press to enter the function, then press / to select the parameter and then to confirm, while press to return back to the standby.

BITMAP: Picture

BATT-V: Voltage

Instructions for functions list

ANI ID Setting (ANI-EDIT) ---- MENU 23

The transceiver's Caller ID code is composed of the arabic numerals 0-9: the first digit cannot be 0, and ID numbers can be as short as 3 digits and as long as 6.

In standby, press + **2SQL 3TXP**, the screen displays

Press to access the menu, and after inputting the required numbers, press to confirm, and to return to standby.

Example 1: editing a 6-digit ANI ID code(123456).

Sidetone (SIDETONE) ---- MENU 24

In frequency mode, press + **2SQL 4WIN**, The screen display

Press to enter, press / to select the required sidetone mode, and press to confirm, press it return to standby.

Auto Lockout (AUTOLOCK) ---- MENU 25

In standby, press + **2SQL 5SQL**, the screen displays

Press to access the menu, press / to select ON(Activate)/OFF(Deactivate), and then press to confirm, press to return to standby.

After activating keypad autolock function, the keypad will be locked automatically without any operation in 15seconds. Hold on **#--0** for 2seconds to unlock the keypad.

NOTE

» Manually lock: In standby, hold on **#--0** for 2seconds to lock the keypad, hold on **#--0** for 2 seconds again to unlock the keypad.

Lock Mode (LOCKMODE) ---- MENU 26

In standby, press + **2SQL 6SQL**, the screen displays

Press to access the menu, press / to select ON(Activate)/OFF(Deactivate), and then press to confirm, press to return to standby.

Options: Key+PTT, Key+ENC, ALL

Priority Channel SW (PRI-CH) ---- MENU 27

In standby, press + **2SQL 7SQL**, the screen display

Press to access, press / to select ON/OFF. And then press to confirm, and press to return to standby

Instructions for functions list

If you want to monitor the other frequency and check the certain preferred frequency at the same time, you can set priority scan function.

Priority Channel Scanning (PRI-SCAN) ---- MENU 28

In standby, press + , screen displays .

Press to confirm, and press / to select if adding the priority channel to scan list press to confirm, and press to back to standby.

Options: ON, OFF

Single Tone Impulse Frequency (ALERT) ---- MENU 29

Some of the relay systems used for single-tone pulse transmission need a single-tone pulse signal to activate, if a repeater is already active, however, this signal is not needed. The following pulse signal frequencies can be selected: 1750Hz, 2100Hz, 1000Hz and 1450Hz.

In standby, press + , the screen displays .

Press to access, press / to select the parameter you desire and then press to confirm, press to return to standby.

In transmission mode, press PF2 to transmit the selected single-tone pulse frequency.

VOX Delay (VOX-DLY) ---- MENU 30

In standby, press + , the screen display .

Press to access, press / to select the parameter,. And then press to confirm, and press to return to standby.

ON: Activate the function

OFF: Deactivate the function

PTT ID Transmit Delay (PTT-DLY) ---- MENU 31

In standby, press + , the screen display .

Press to access, press / to select the time you want. And then press to confirm, and press to return to standby.

This delay time can be set 100~3000ms, total 30 levels with 100ms each.

PTT ID Transmit Modes (PTT-ID) ---- MENU 32

In standby, press + , the screen display .

Press to access, press / to select the mode you want. And then press to confirm, and press to return to standby.

This can be set three methods, BOT (begin), EOT (end), BOTH (begin /end).

Instructions for functions list

Ring Time (RING) ---- MENU 33

In standby, press + **3 TYP** **3 TYP**, the screen display

Press to access, press / to select the parameter you want. And then press to confirm, and press to return to standby.

This ring time can be set 10 seconds, total 10 levels with 1 second. OFF: Deactivate the function.

Repeater Tone (RPT-TONE) ---- MENU 34

In standby, press + **3 TYP** **4 WN**, the screen display

Press to access, press / to select the parameter,. And then press to confirm, and press to return to standby.

ON: Activate the function

OFF: Deactivate the function

Scanning Tone Save Modes (SCAN-QT) ---- MENU 35

When the transceiver is in CTCSS/DCS scanning, there are 3 saving types to save the detected CTCSS/DCS from the others to your transceiver:

1. Save as your transceivers decoder and encoder(ALL).

2. Save as your transceiver encoder(ENCODER)

3. Save as your transceiver decoder(DECODER)

When the transceiver is in standby, press + **3 TYP** **5 SCL** keys and the screen will display

Press / press , and then press .

FM Radio mode (FM RADIO) ---- MENU 36

FM Radio Read: In the RADIO mode, enter the menu and select the READ option. There are 20 groups for options.

FM Radio Memory: In the RADIO mode, enter the menu and select the MEMORY option. There are 20 groups for options.

In RADIO mode, please press + **3 TYP** **6 RCL**, screen displays

Press to confirm, and press / to select the parameter then press to confirm, and press to back to standby.

Theme (DISY MODE) ---- MENU 37

It supports to select different theme (including the Background color and Text color) for the display screen. Default is White-1.

In standby, please press + **3 TYP** **7 SCL**, screen displays

Instructions for functions list

Press to confirm, and press / elect the parameter then press to confirm, and press to back to standby.

White-1: White Background, Black Text and Red Icons

White-2: Light Blue Background, Heavy Blue Text and Red Icons

Black-1: Black Background, Golden Text and Green Icons

Black-2: Black Background, White Text and Green Icons

Customize 1: The colors for background, text and icons could be programmed by software.

Reset (RESET) ---- MENU 38

Functional Parameter Reset(VFO): resets all functional settings to factory default values, but channel parameters are not reset.

Total Parameter Reset(ALL): resets all of the transceiver's functional settings and channel parameters to factory values.

In standby, press + **3** **8** , the screen displays

Press to access, press / to select the parameter you desire and then press to confirm

The screen will display

After the transceiver resets(VFO/ALL), it will restart and return to standby mode.

Detailed Guide for some functions

All calls, Group calls and Selective calls

There are Caller ID code transmission, Caller ID code edit and DTMF decoding functions. Without the assistance of the other communication equipments, the all calls,group calls and selective calls are available between the groups.

Before using all calls,group calls and selective calls function, you need to set as followings:

1. Caller ID CODE edit

Each transceiver in the same group should be edited a unique ANI ID code.

Caller ID CODE: ID -- XXX(3 digits) ID -- XXXX(4 digits) ID--XXXXX(5 digits) ID-- XXXXXX(6digits)

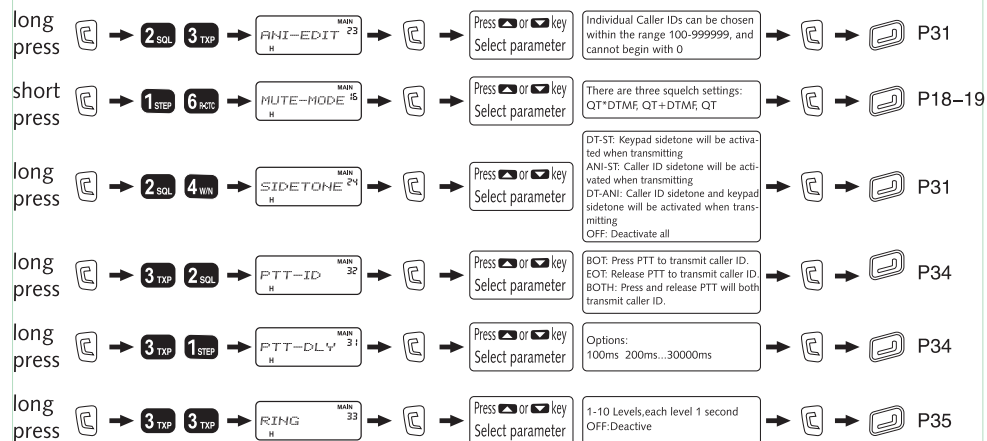
<u>ID</u>	<u>X</u>	<u>XXXXX</u>
Caller ID CODE mark	Group NO. mark	Unique Caller ID CODE
	From 1 to 9 group, Maximum: 9 groups	From 00000~99999, Maximum: 1000000 digits

This is how to set Caller ID CODE.

NOTE: Caller ID Codes should be different for the transceivers in the same group.

Detailed Guide for some functions

Steps are as followings:



NOTE

» Any transceiver in the same group should be with the same frequency point and parameter.

a. How to use all calls function:

Hold on PTT key to transmit. After transmitting Caller ID Code, input + keys directly.

b. How to use group calls function:

Hold on PTT key to transmit. After transmitting Caller ID Code, input "Group NO." +

c. How to use selective calls function:

Hold on PTT key to transmit. After transmitting Caller ID Code, input the Caller ID Code of the selective transceiver that you want to speak to.

Note: Selective call is available via selective call key. Selective call code is programmed via supplied software. Programming the same selective call code of the selective transceiver and Caller ID code of the selected transceiver.

For example, Caller ID Code for the selected transceiver is 123456, selective call code for the selective transceiver should be 123456 too.

Detailed Guide for some functions

Remote control function

A. Remote Stun

The controlled code + fixed code (CB) + identity code of the called machine, to send and activate the remote stun function.

Example: Remote stun for the walkie talkie A and walkie talkie B

(1) Firstly, set the controlled code and the identity code of walkie talkie B through the programming software.

For example, the controlled code is 126018, and the walkie talkie B is 898188

(2) Stun operation

Press the PTT key on walkie talkie A to start transmitting, then input [1] [2] [6] [0] [1] [8], [C] [B], [8] [9] [8] [1] [8] [8] in sequence.

(3) The walkie talkie B is stunned after receiving the above command,.

Note: - The walkie talkie that has been remotely stunned can only receive and cannot perform transmission operations.

- Step (2) , if the controlled code and ID code are less than 6 digits, add the [#] key (for example, ID code 123 then. The user should input 123, then press the [#] key).
- Follow the step (2) if waking up the walkie talkie that has been remotely stunned.

B. Remote Kill

The controlled code + fixed code (AB) + identity code of the called machine, to send and activate the remote kill function.

Example: Remote kill for the walkie talkie A and walkie talkie B

(1) Firstly, set the controlled code and the identity code of walkie talkie B through the programming software.

For example, the controlled code is 126018, and the walkie talkie B is 898188

(2) Kill operation

Press the PTT key on walkie talkie A to start transmitting, then input [1] [2] [6] [0] [1] [8], [A] [B], [8] [9] [8] [1] [8] [8] in sequence.

(3)The walkie talkie B is killed after receiving the above command,.

Note: - The walkie talkie that has been remotely killed can't transmit or receive.

- Step (2) , if the controlled code and ID code are less than 6 digits, add the [#] key (for example, ID code 123 then. The user should input 123, then press the [#] key).
- Follow the step (2) if waking up the walkie talkie that has been remotely killed.

C. Monitoring

The controlled code + fixed code (DA) + identity code of the called machine, to send and activate the

Detailed Guide for some functions

remote monitoring function.

Example: Remote monitoring for the walkie talkie A and walkie talkie B

(1) Firstly, set the controlled code and the identity code of walkie talkie B through the programming software.

For example, the controlled code is 126018, and the walkie talkie B is 898188

(2) Kill operation

Press the PTT key on walkie talkie A to start transmitting, then input [1] [2] [6] [0] [1] [8], [D] [A], [8] [9] [8] [1] [8] [8] in sequence.

(3) The walkie talkie B is monitored after receiving the above command,.

Note: - Step (2) , if the controlled code and ID code are less than 6 digits, add the [#] key (for example, ID code 123 then. The user should input 123, then press the [#] key).

- It keeps 15 seconds every monitoring.

- The monitoring is ended if there is any operation on the monitored walkie talkie.

D. Inspection

The controlled code + fixed code (DB) + identity code of the called machine, to send and activate the remote inspection function. The inspected walkie talkie will transmit out the radio ID code to reply, which means that this walkie talkie is powered on and available for the communication.

Example: Remote inspection for the walkie talkie A and walkie talkie B

(1) Firstly, set the controlled code and the identity code of walkie talkie B through the programming software.

For example, the controlled code is 126018, and the walkie talkie B is 898188

(2) Inspection operation

Press the PTT key on walkie talkie A to start transmitting, then input [1] [2] [6] [0] [1] [8], [D] [B], [8] [9] [8] [1] [8] [8] in sequence.

(3) The walkie talkie B transmit out its radio ID after receiving the above command,.

Note: - Step (2) , if the controlled code and ID code are less than 6 digits, add the [#] key (for example, ID code 123 then. The user should input 123, then press the [#] key).



Trouble Shooting

Before assuming your transceiver is broken, please check your transceiver according to the following table; if the problem persists, you can reset the transceiver, which sometimes.

Fault	Solution
Reception prompt remains but speaker is silent	» Check that the volume knob has been set to maximum. » Please reset CTCSS/DCS to check whether different channels from other group members have been set. » Check whether mute settings are correct.
Keypad is unresponsive	» Check whether keypad has been locked. » Check whether other keys have been pressed.
Other voices (not from group members) appear in the channel.	» Please change the CTCSS / DCS code.
In standby, automatic transmission without pressing PTT key	» Please check if VOX function is active or VOX level is too low.

Fault

Solution

Can not enter scanning mode	» Please see if the scan group channel, Scan Add function is turned on.
Cannot set up the cross-band repeater	» Please make sure A/B area is on the cross-band repeaters operating frequency.
Cannot transmit in repeat mode	» Please check to see if the receivers squelch and CTCSS / DCS settings are correct.

Announcement

Wouxun endeavors to achieve the accuracy and completeness of this manual, but it is still not perfect for any possible omissions or printing errors. All the above is subject to be updated without prior notice.

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Scan/RX: 108-136MHz, 136-174MHz, 400-480MHz
TX: 462.5500-462.7250MHz, 467.5500-467.7250MHz
TX/RX: 2402-2480MHz

462 MHz Main Channels:35.25dBm(Conducted)
462 MHz interstitial channels:35.23dBm (ERP)
467 MHz Main Channels: 35.08dBm (Conducted)
467 MHz interstitial channels: 26.93dBm (ERP)

Accord to that antenna length in different regions, only below type antenna was authorized use in the product.

Antenna Model: ANO-012

Antenna Type: Whip steel antenna Antenna

Gain: 2.15dBi



In the process of compiling this manual, we strive to ensure the accuracy and completeness but our company does not assume any responsibility for any errors or omissions that may

Due to the continuous development of technology, we reserve the right to change product specifications without notice. Without our prior written authorization. This Manual may not be modified, translated or distributed in any form.

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.

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.

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

1) Hold the radio in a vertical position in front of face with the microphone (and the other parts of the radio, including the antenna) at least one inch (2.5 cm) away from the nose. Keeping the radio at the proper distance is important because RF exposures decrease with distance from the antenna. Antenna should be kept away from eyes.

2) When worn on the body, always place the radio in approved clip, holder, holster, case, or body harness for this product. Use of non-approved accessories may result in exposure levels, which exceed the General Population/Uncontrolled Exposure environment RF exposure limits.

3) Use only manufacturer's name approved supplied or replacement antennas, batteries, and accessories. Use of non-manufacturer-name approved antennas, batteries, and accessories may exceed the FCC RF exposure guidelines.



4) For a list approved accessories please consult your local dealer for information.
Users must be fully aware of the hazards of the exposure and able to exercise control over their RF exposure to qualify for the higher exposure limits.
Your wireless hand-held portable transceiver contains a low power transmitter. This product sends out radio frequency (RF) signals when the Push-to-Talk (PTT) button is pressed.
The device is authorized to operate at a duty factor not to exceed 50%.

§ 95.1743 Minor GMRS operators.

Operators under the age of 18 will not be held personally responsible, pursuant to § 95.343, for improper operation of a GMRS repeater or base station. The holder of the individual license under which the minor operates is solely responsible for any improper operation that occurs while an individual under the age of 18 is operating the station

The Radio is pre-configured with 8 GMRS repeater channels: 467.5500, 467.5750, 467.6000, 467.6250, 467.6500, 467.6750, 467.7000 and 467.7250 MHz. In basic terms, a repeater is a device that is used to increase the range of two way radios.

Repeaters will receive a transmission on one frequency and simultaneously rebroadcast that transmission on different frequency. Repeaters are often set up in a fixed location and connected to an antenna that is mounted at a higher elevation to provide better range than is normally available with radio-to-radio (simplex) communications. Using GMRS repeaters can significantly increase the range of your radio, but just tuning to one of the repeater channels isn't necessarily going to work.

You first have to be sure there is a repeater listening on that channel's frequency, and you have to be within range of that repeater. It is important to keep in mind that a GMRS repeater is not necessarily intended for public use. They are owned by individuals and are sometimes intended for private use or require permission to use. Before connecting to a GMRS repeater, be sure that you have permission or that the owner is fine with public use. The description on the my GMRS website usually indicates if permission is required and provides a way to get in touch with the owner.

MODIFICATION OF THIS DEVICE TO RECEIVE CELLULAR RADIO
TELEPHONE SERVICE SIGNALS IS PROHIBITED UNDER FCC
RULES AND FEDERAL LAW.