


16.2x11cm

***Thanks for buying the  WOUXUN KG-UV980 Series mobile radio. This mobile radio offers latest design, enhanced features, solid performances and easy accessibility. We believe you will be pleased with the high quality and reliable features for all your communication needs.***

Read this important information on the safe and efficient operation before using mobile radio. This manual is suitable for KG-UV980 Series.

## Safety information

The KG-UV980P is an electrical apparatus, as well as a generator of RF(Radio Frequency) energy, and you should exercise all safety precautions as are appropriate of this type of device. These safety tips apply to any device installed in a well-desi-gned amateur radio station.

- ⚠ Explosive atmospheres(gases, dust, fumes, etc.).Turn OFF your mobile radio while taking on fuel or while parked in gasoline service stations. Do not carry spare fuel containers in the trunk of your vehicle if your mobile radio is mounted in the trunk area.
- ⚠ Injury from radio frequency transmissions. Do not operate your mobile radio when somebody is either standing near to or touching the antenna, to avoid the possibility of radio frequency burns or related physical injury.
- ⚠ Dynamite blasting caps. Operating the mobile radio within 150m(500 feet) of dynamite blasting caps may cause them to explode. Turn OFF your mobile radio when in a area where blasting is in progress, or where "TURN OFF TWO-WAY RADIO" signs have been posted. If you are transporting blasting caps in your vehicle, make sure they are carried in a closed metal box with a padded interior. Do not transmit while the caps are being placed into or removed from the container.
- ⚠ Never allow unsupervised children to play in the vicinity of your mobile radio or antenna installation.



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- ⚠ Be certain to wrap any wire or cable splices thoroughly with insulating electrical tape, to prevent short circuits.
- ⚠ Do not route cables or wires through door jambs or other locations where, through wear and tear, they may become frayed and shorted to ground or to each other.
- ⚠ Do not stand in front of a directional antenna while you are transmitting into that antenna. Do not install a directional antenna in any location where humans or pets may be walking in the main directional lobe of the antenna's radiation pattern.
- ⚠ In mobile installations, it is preferable to mount your antenna on top of the roof of the vehicle, if feasible, so as to utilize the car body as a counterpoise for the antenna and raise the radiation pattern as far away from passengers as possible.
- ⚠ During vehicular operation when stopped (in a parking lot, for example), make it a practice to switch to Low power if there are people walking nearby.
- ⚠ Never wear dual-earmuff headphones while driving a vehicle.
- ⚠ Do not attempt to drive your vehicle while making a telephone call on an autopatch using the DTMF microphone. Pull over to the side of the road, whether dialing manually or using the auto-dial feature.

## Safety information

### Notice

- » All of the above advice is suited to the use of your **Wouxun** mobile radio and its accessories.  
If they do not function normally, please get in touch with the **Wouxun** dealer immediately.
- » If you use components or accessories not sold by Wouxun Company, Wouxun will not guarantee the safety and usability of the transceiver.

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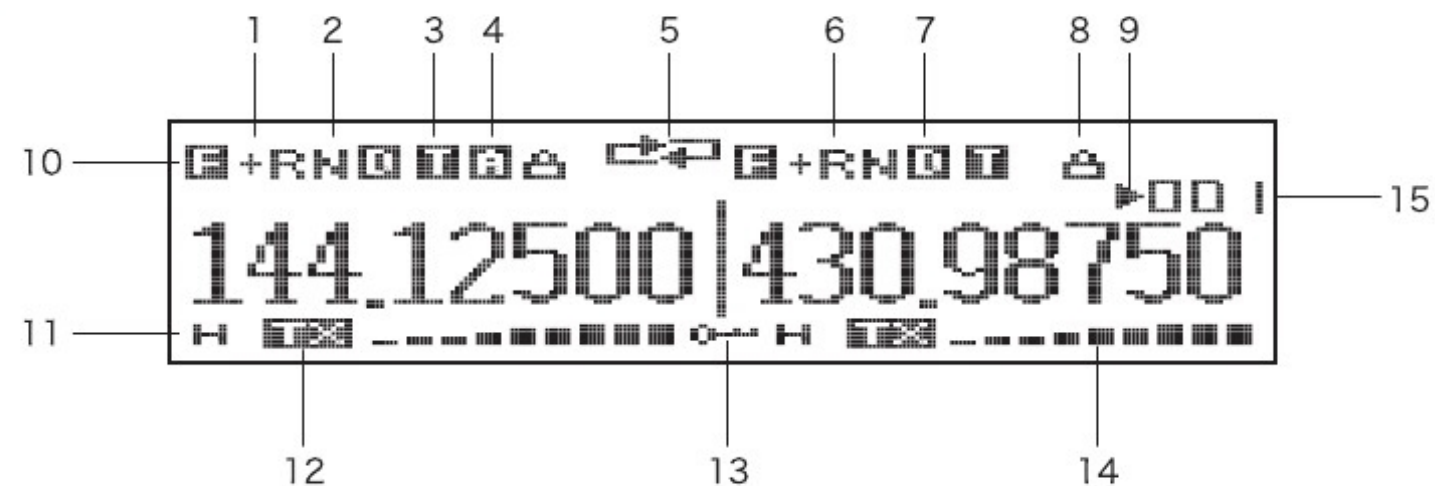
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## Structure Instructions

### LCD

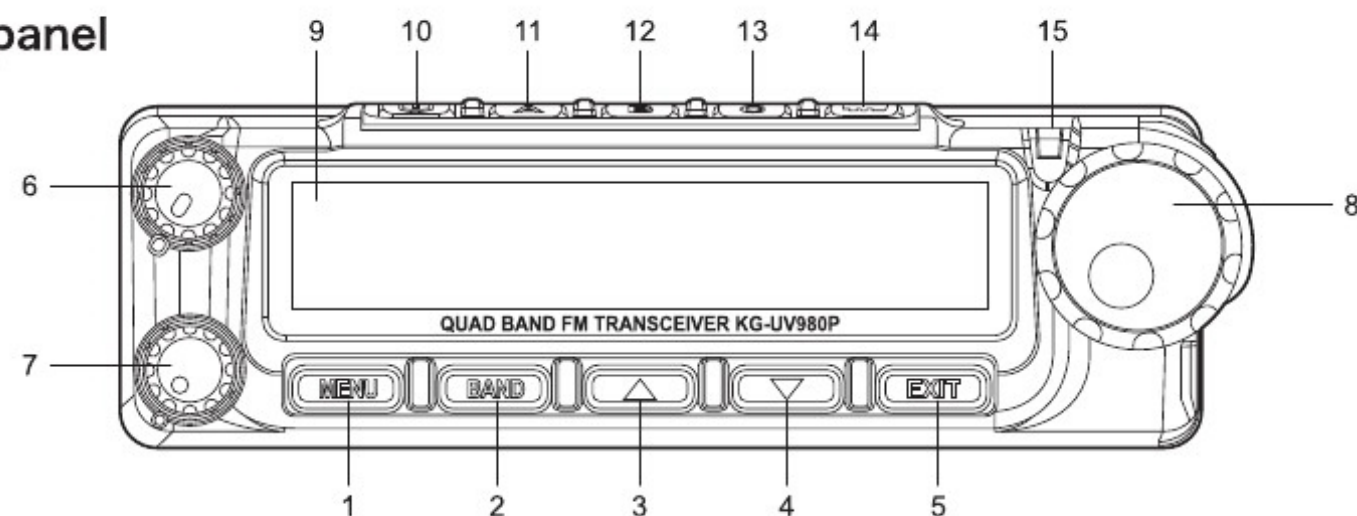


1. "+" Higher than received frequency dispersion, "-" Lower than received frequency dispersion
2. Narrow bandwidth
3. DTMF mute
4. AM-setting
5. Cross-band repeater function(Combined repeater function)
6. Reverse frequency
7. DCS ( "C" means CTCSS)

8. Voice scrambling function
9. Priority channel indicator
10. Menu settings
11. High-power transmission ( "M" means Medium-power transmission, "L" means Low-power transmission)
12. Repeater transmitter ( "RX" means Repeater receiver)
13. Keyboard locking
14. Signal strength indicator
15. Channel number sequence/Function menu sequence

## Structure Instructions

### Front panel



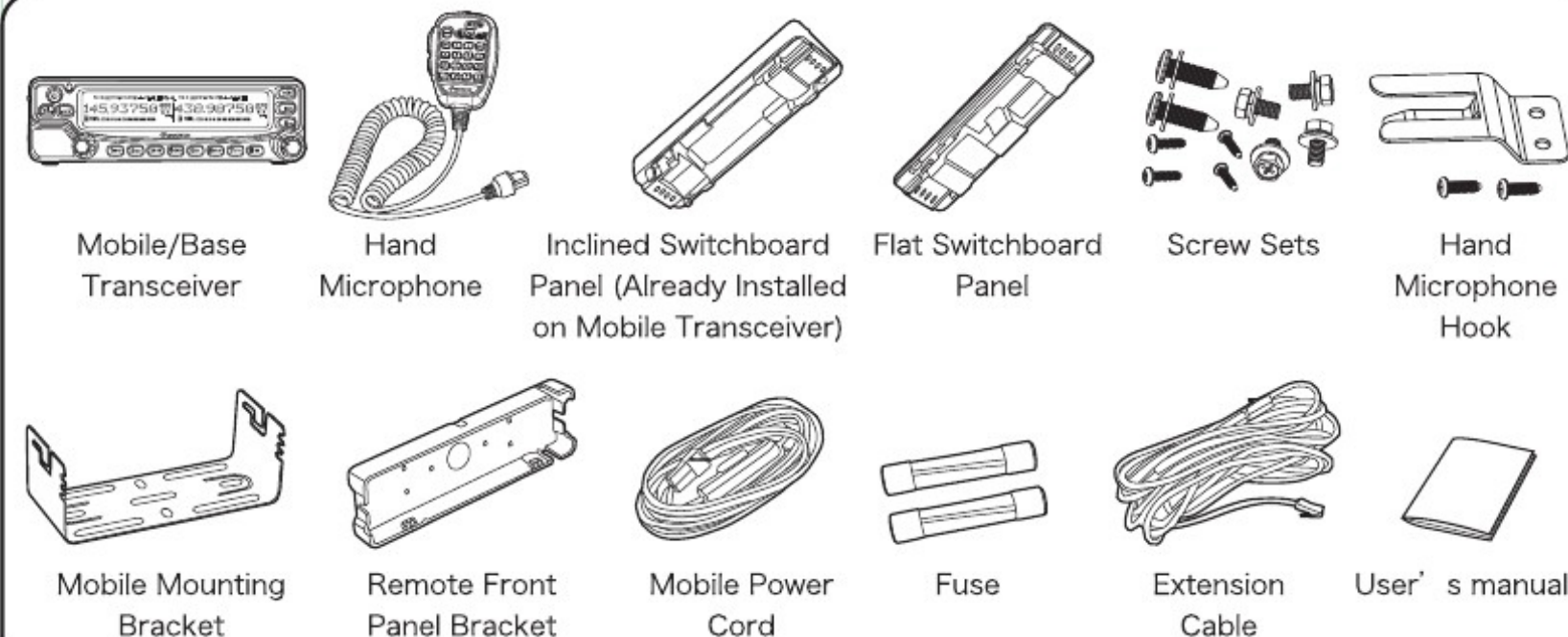
- |                                    |  |
|------------------------------------|--|
| 1. Function keys/enters keys       | 9. LCD                                     |
| 2. Master frequency set up hot key | 10. Power switch button                    |
| 3. Up key                          | 11. Hot key "A" (See hot key operation 48) |
| 4. Down key                        | 12. Hot key "B" (See hot key operation 49) |
| 5. Exit/Cancel key                 | 13. Hot key "C" (See hot key operation 50) |
| 6. "A" area volume control         | 14. Keyboard lock key                      |
| 7. "B" area volume control         | 15. Status indicator light                 |
| 8. Channel encoder                 |  |

## Checking the equipment

Carefully unpack the transceiver. We recommend that you identify the items in the following table before discarding the packing material.

If any item is missing or has been damaged during shipment, please notify your **Wouxun** dealer.

### Standard Accessories





## Description of functions

1. Full Duplex Cross-band repeater
2. Both Stations can Form Combined Same or Different Band (s) Repeat
3. Full Duplex Working Mode on A/B Areas (e.g.: A area transmitting and B area receiving at the same time, vice versa)
4. Dual Speaker & Dual Output
5. Same or Different Band (s) Simultaneous Reception: UU,VV,UV or VU
6. Frequency Range Suitable for any Region of any Country:  
RX: 26.000-29.995MHz & 50.000-53.995MHz  
108.000-179.995MHz & 320.000-349.995MHz  
400.000-479.995MHz & 700-985MHz  
TX: 26.000-29.995MHz & 50.000-53.995MHz  
136.000-174.995MHz & 400.000-479.995MHz
7. Dual Display (Large LCD Dual Frequency Display, two Completely Independent Operating Systems)
8. Over 999 Memory Channels (Area Scanning Management)
9. Remote-head Mounting Capacity (Multiple Installation Types, Convenient Usage)
10. UV or VU Duplex Cross-band Repeat (Offset Frequency Programmable)
11. Air Band Receiving Function & AM Mode Receiving Capacity
12. High Output Power: VHF 50W, UHF 40W
13. CTCSS/DCS Encoding & Decoding, CTCSS/DCS Scanning
14. Multiple Speaker Output Settings
15. DTMF Hand Microphone with Speaker, TX/RX Indicator and Volume Controller
16. Incoming (Caller) ID Display
17. DTMF Encoding & Decoding
18. Group Calls, All Calls and Selective Calls
19. 8 Groups Scrambler
20. Priority Channel Scanning
21. APO Power Management
22. Bandwidth Selectable
23. Chinese/English Voice Guide
24. Automatic Temperature Testing
25. Minimum Operating Voltage Settings
26. Stun and Kill Function
27. 2100Hz / 1750Hz / 1450Hz / 1000Hz Single Tone Pulse Frequency (Used when activating repeater signal)
28. Three Colors Backlight Selectable
29. Remote Control Setting
30. Frequency / Channel Scanning with CTCSS / DCS Detection
31. Multiple Cooling Ways
32. Simultaneous Scanning on AB Areas

**Note:** Different countries or areas are differing from the specific applicable working frequencies and parameters.

## Technical specifications



Professional FM Transceiver

General		Receiver	Wide bandwidth	Narrow bandwidth
Frequency Range	Frequency Range Suitable for any Region of any Country:	Adjacent Channel Selectivity	≤ 70dB	≤ 60dB
	KG-UV980P	Intermodulation	≤ 65dB	≤ 60dB
	KG-UV980R	Spurious Response	≤ 70dB	≤ 70dB
Step Frequency	5KHz / 6.25KHz / 10KHz / 12.5KHz / 20KHz / 25KHz / 30KHz / 50KHz / 100KHz	Audio Response	+1~-3dB(0.3~3KHz)	+1~-3dB(0.3~2.55KHz)
		Signal to Noise Ratio	≥ 45dB	≥ 40dB
Memory Channels	999	Audio Distortion	≤ 5%	
Work Mode	F2D / F3E	Audio Power	Transceiver ≤ 3W	
Operating Temperature	-20℃~+40℃		Hand Microphone ≤ 1W	
Antenna Impedance	50Ω	Sensitivity	400.000-479.995MHz:0.25uV(13dB SINAD)	
Power Requirement	13.8VDC ± 15% (Negative Grounded)		136.000-174.995MHz:0.25uV(13dB SINAD)	
Weight	1437.8g (including microphone)		50.000-53.995MHz:0.25uV(13dB SINAD)	
Dimensions	140 x 44 x 207 (mm)		26.000-29.995MHz:0.25uV(13dB SINAD)	
			320.000-349.995MHz:0.25uV(13dB SINAD)	
			700.000-985.995MHz:-97.0dBm(13dB SINAD)	

Transmitter	Wide bandwidth	Narrow bandwidth	Transmitter	Wide bandwidth	Narrow bandwidth
Type of Modulation	16K F3E	11K F3E	Max. Frequency Deviation	± 5KHz	± 2.5KHz
Adjacent Channel Power	≥ 70dB	≥ 60dB	Frequency Stability	± 5ppm	
Spurious	≥ 60dB	≥ 60dB	Audio Distortion	≤ 5%	
Audio Response	+1~-3dB(0.3~3KHz)	+1~-3dB(0.3~2.55KHz)	Output Power	50W/20W/10W/5W(VHF)	
				40W/20W/10W/5W(UHF)	

**Note:** Different countries or areas are differing from the specific applicable working frequencies and parameters.

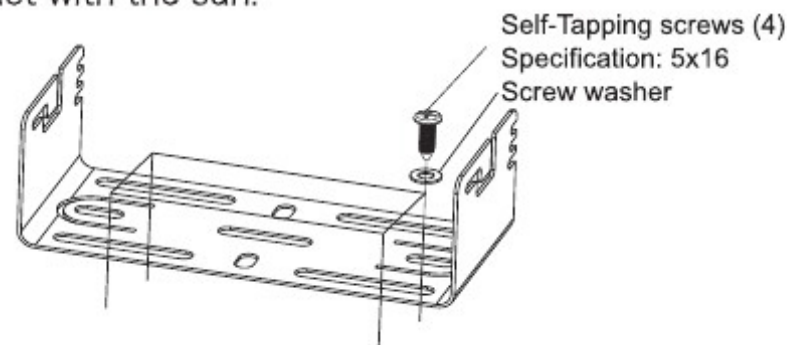


## Pre-use installation

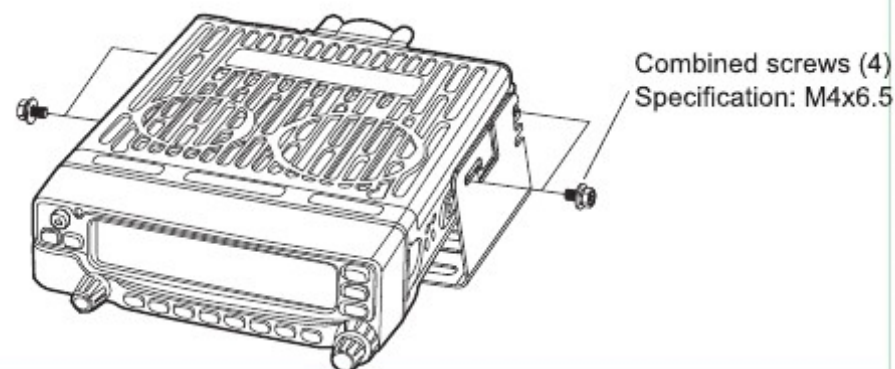
### Transceiver installation

Choose a safe place inside your vehicle, one which would to the greatest extent reduce possible harm to passengers inside the car while the car is moving. It is recommended to install the transceiver on the lower part of the front meter gauge, it will prevent the transceiver from colliding with the driver in the in-stance of emergency or sudden braking. Install the transceiver in an area with good ventilation and avoid installing in a place with direct contact with the sun.

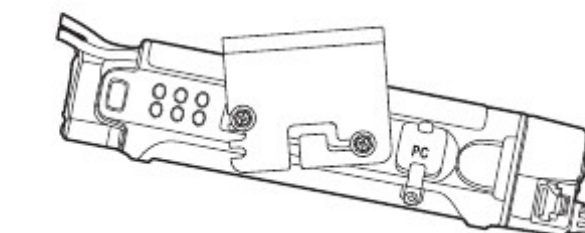
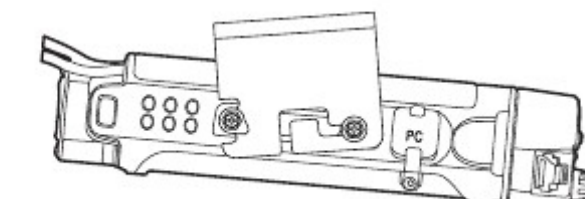
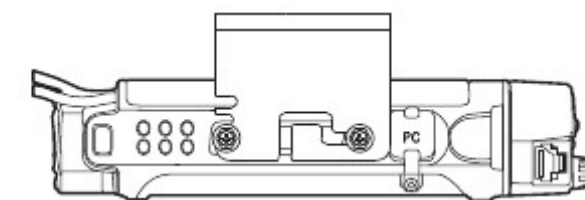
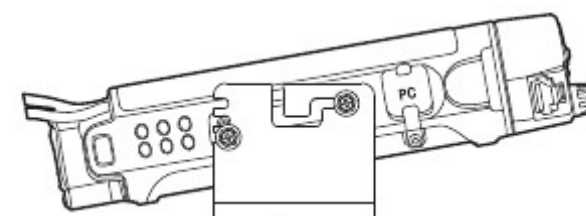
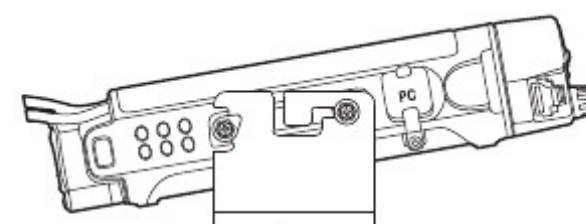
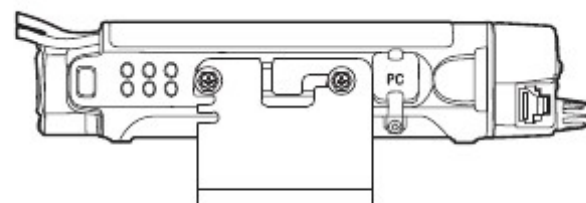
1. Use the supplied self-tapping screws to install the support bracket to the vehicle.



2. Set the transceiver in the bracket, then insert the supplied combined screws and tighten, insure that the screws are fastened tightly. This will insure the support bracket and the transceiver do not get bumped lose when the vehicle hits bumps or shakes.

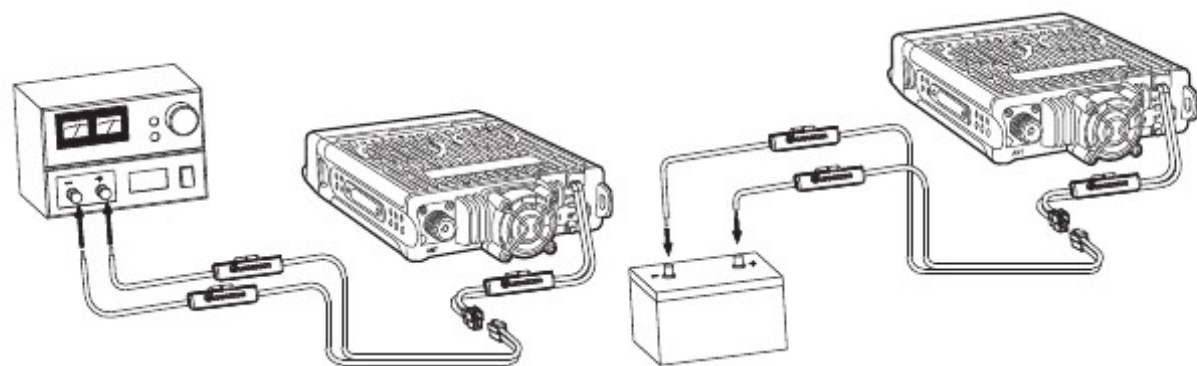


3. Use every screw slot along the side of the support bracket, you can set the transceiver to be installed at a different angle.



## Connecting power source


The transceiver power source usage ranges from  $13.8V \pm 15\%$ . When your power source (or vehicle power source) reaches levels up to 16V, TX will be forbidden, however RX will operate as normal. When your power source (or vehicle power source) reaches levels as low as 11.5V, the transceiver will automatically shut off. So the transceiver does not exhaust the vehicles battery and affect the vehicles normal operation. (This feature is set by the Menu 38, see instruction on P49-50)



### Special Reminder

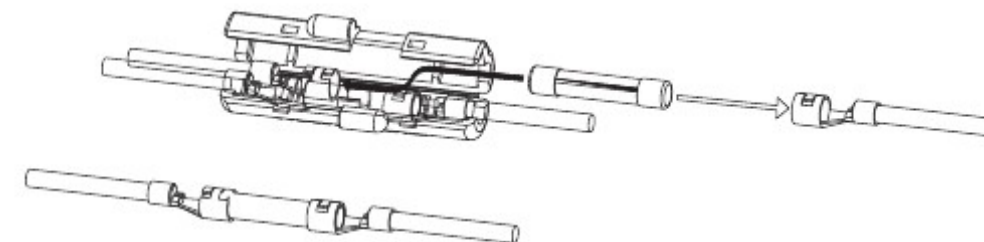
» This transceiver's working voltage is  $13.8V \pm 15\%$  DC.

## ■ Replacing the fuse

In the instance that the transceiver blows a fuse, first find out the reason, then solve the malfunction. If after installing the new fuse it once again blows a fuse, please sever the power source and immediately contact a local authorized  dealer or service center for assistance.

The specified fuse current is 15A, The specified power source current is 20A and above.

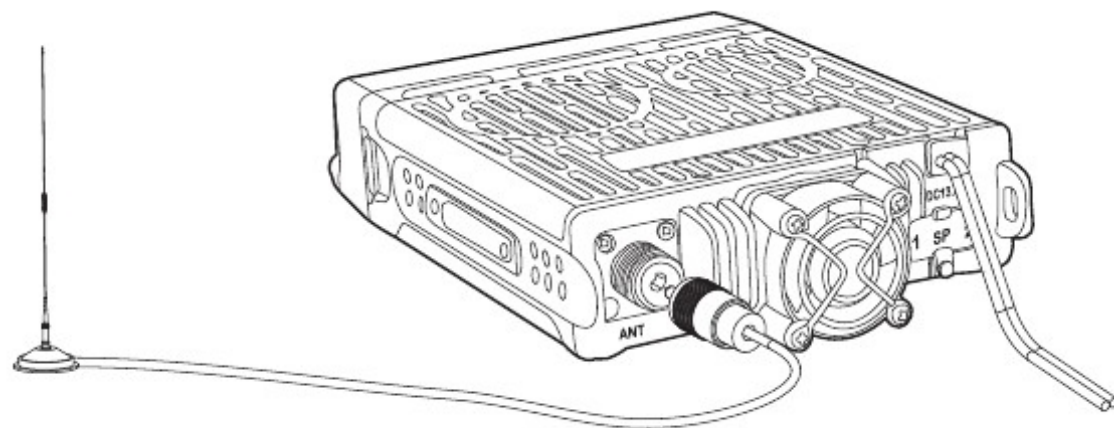
See the Fuse installation diagram on the right, after installation the fuse should be firmly secured to the copper set!





## Antenna connection

Before operation, you must effectively install and adjust the antenna, installation success depends upon the type of antenna and whether or not the antenna is set up correctly. If you use the most suitable antenna and the antenna is installed correctly, the transceiver will attain the greatest results. The transceiver antenna's impedance is 50 ohms, if the impedance is not at 50 ohms it will reduce the performance of the transceiver and possibly interfere with nearby broadcasting stations as well as other antenna's receivers, it could even harm the transceiver.

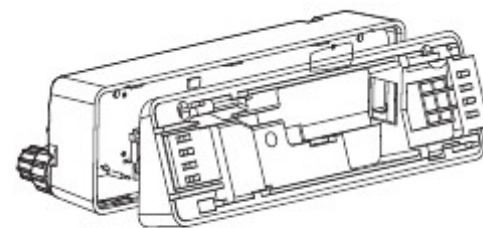


## Front panel installation

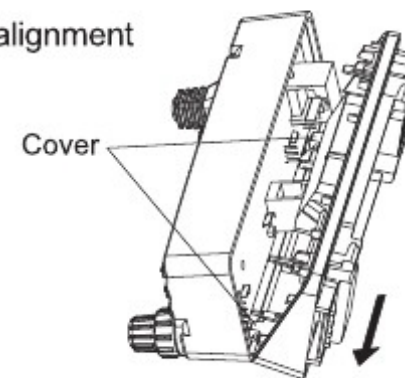
The transceiver is supplied with two kinds of switchboard panels: Inclined switchboard panel and a flat switchboard panel.

### ■ Install inclined switchboard panel

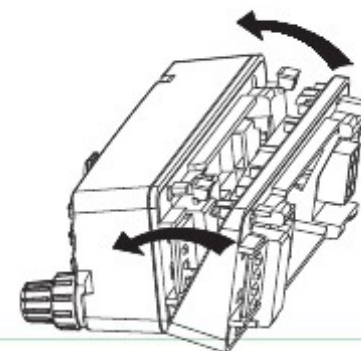
(1) Lower alignment



(2) Cover alignment

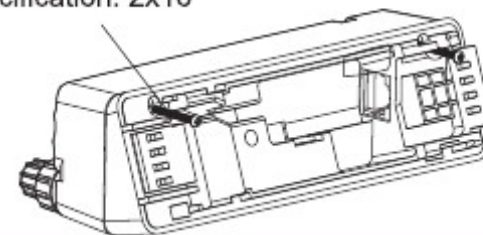


(3) Close in the direction shown by the arrows



(4) Use the supplied screws to fasten

Self-Tapping screws  
Specification: 2x16





## Front panel installation

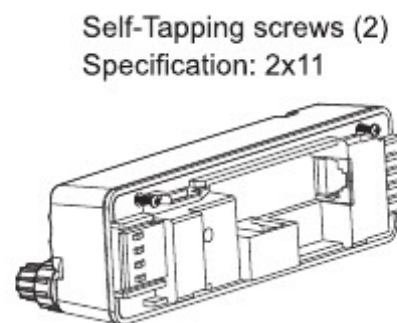
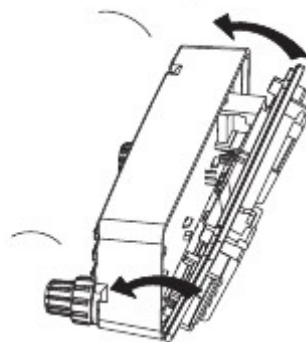
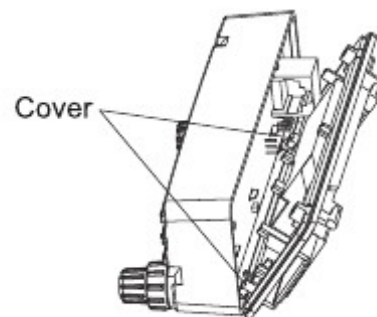
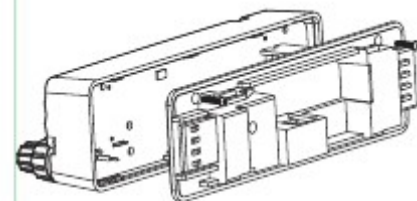
### ■ Install flat switchboard panel

(1) Lower alignment

(2) Cover alignment

(3) Close in the direction shown by arrows

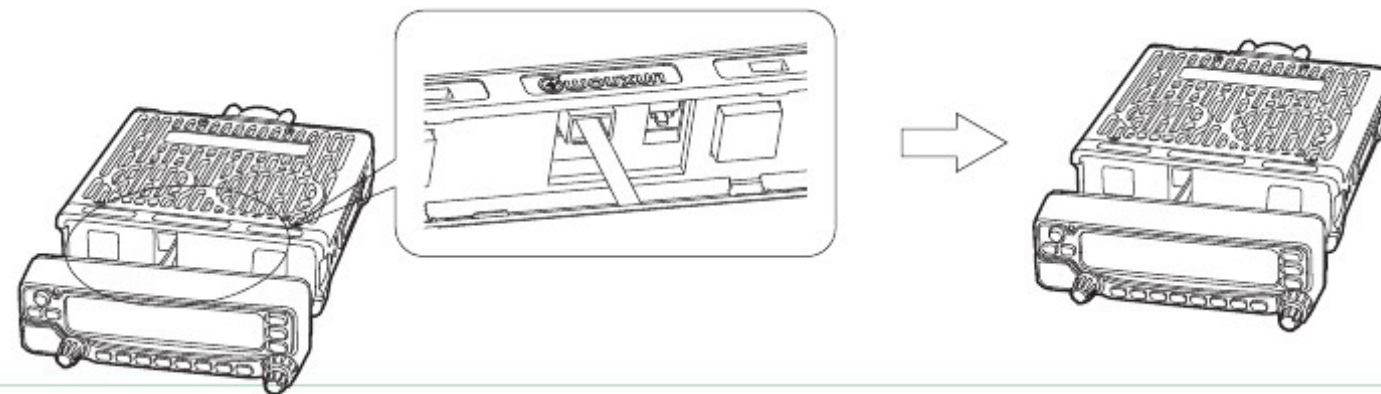
(4) Use the supplied screws to fasten



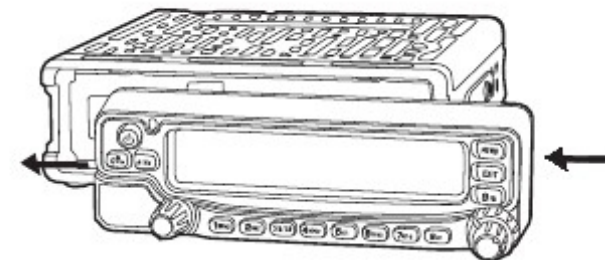
Self-Tapping screws (2)  
Specification: 2x11

### ■ Front panel and main station installation

(1) Connect the cable to the transceiver's 8 point socket.



(2) Proceed according to the arrow shown.



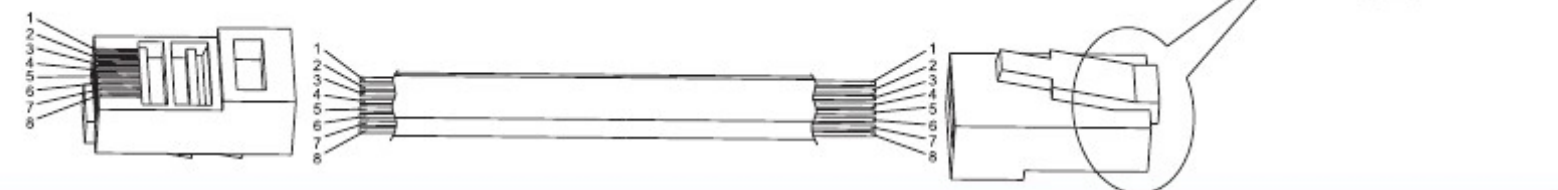
### Connection method for transceiver station to operating front panel:

The vehicle transceiver connection line uses 8 facets and 8 lead conducting wires (diagram 1),



Diagram 1

The two ends of the facets connect to the corresponding line: (Take note that direction of the connection lines on the left and right sides of the facet are not the same)





## Front panel installation

Left facet connection point 1	Connect through the conducting wire to right facet 1
Left facet connection point 2	Connect through the conducting wire to right facet 4
Left facet connection point 3	Connect through the conducting wire to right facet 3
Left facet connection point 4	Connect through the conducting wire to right facet 2
Left facet connection point 5	Connect through the conducting wire to right facet 5
Left facet connection point 6	Connect through the conducting wire to right facet 6
Left facet connection point 7	Connect through the conducting wire to right facet 7
Left facet connection point 8	Connect through the conducting wire to right facet 8

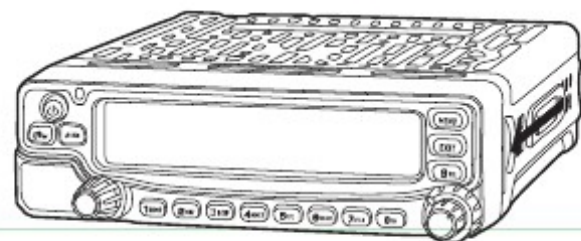
Therefore the conducting wires connection to the left facet is corresponding and the connection to the right facets 2 and 4 are swapped.

### Special Reminder

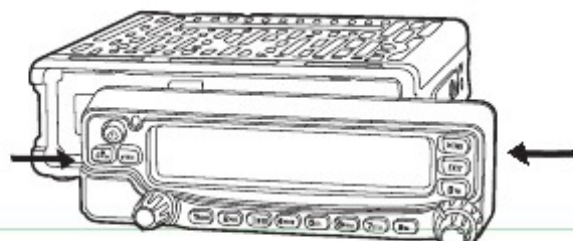
» If the connection wires are not  Company supplied or dealer approved,  Company does not guarantee its safety and operational effectiveness!

### ■ Dismantling the front panel and transceiver

(1) Disconnect cover in the direction of the arrow



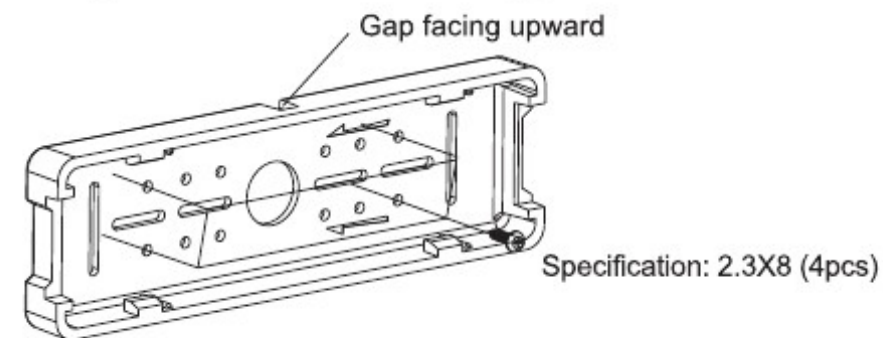
(2) Remove in the direction shown by the arrow



### ■ Installation of front panel support bracket

When the transceivers front panel is installed separately from the main platform, there is a supplied front panel support bracket designed especially for installation.

(1) First secure the support bracket with the supplied screws



(2) First string the connection line through opening in the center of the support bracket, then close the bracket cover directly as shown by the arrows.

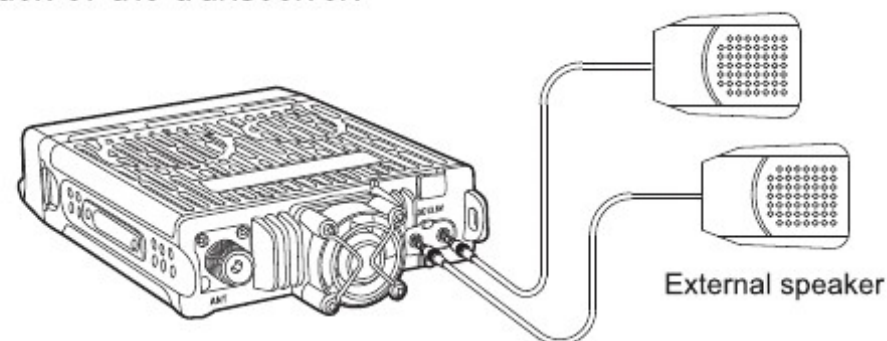




## Accessories installation

### ■ Outer speakers

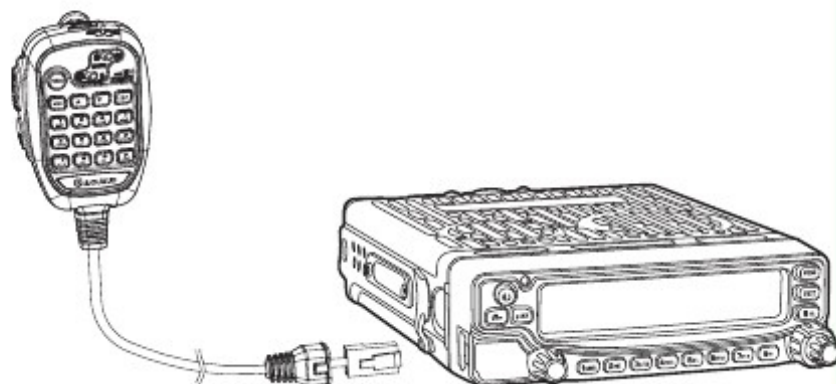
The external speaker jacks can be connected to a 3.5mm single outlet. There are two speaker outlets located on the back of the transceiver.



### ■ Hand microphone installation

The transceiver comes supplied with two different types of hand microphone:

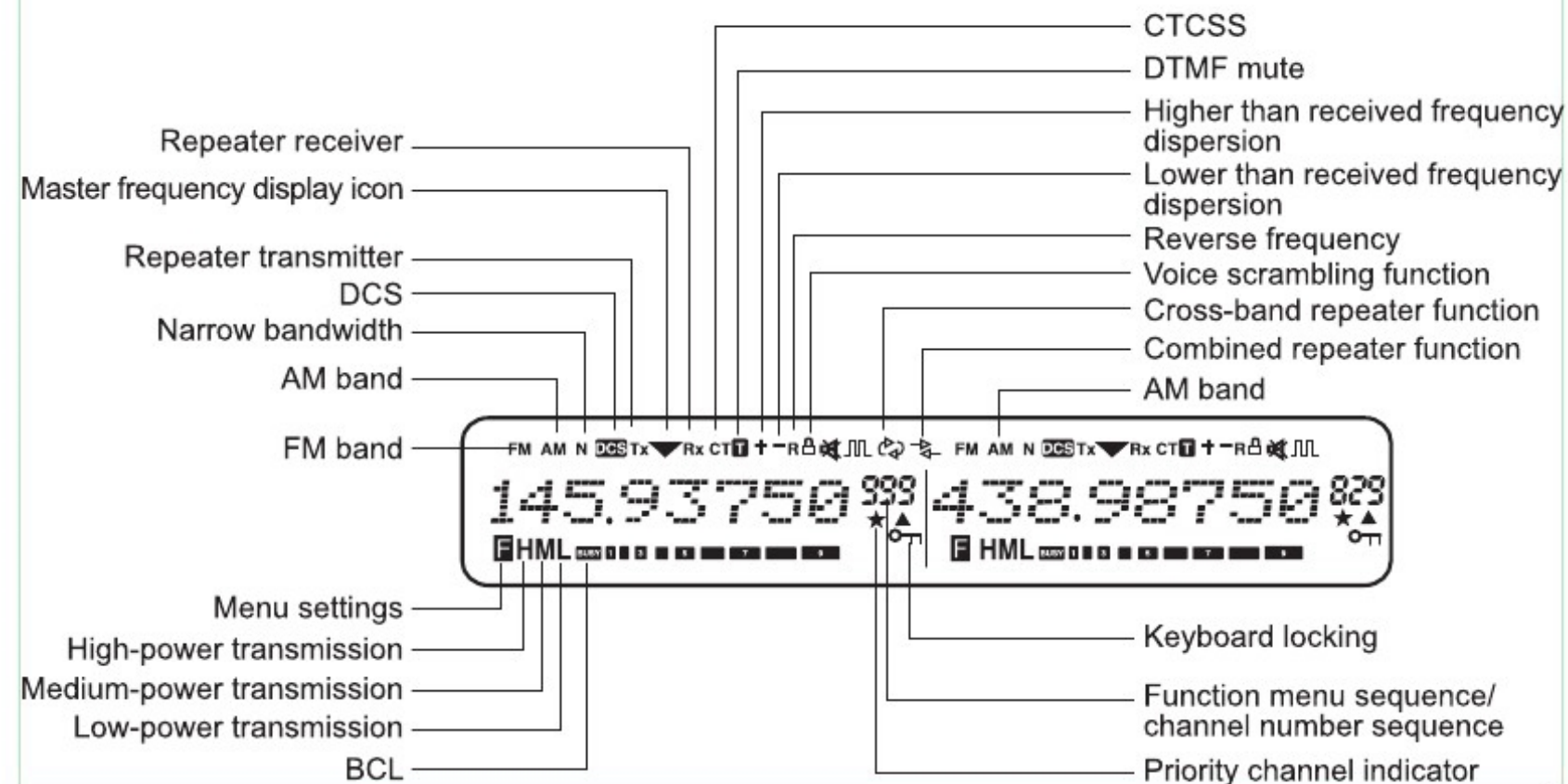
Encoded hand microphone and unencoded hand microphone. Plug the connection cable into the 8 point socket located on the front panel.



## Getting started

### LCD

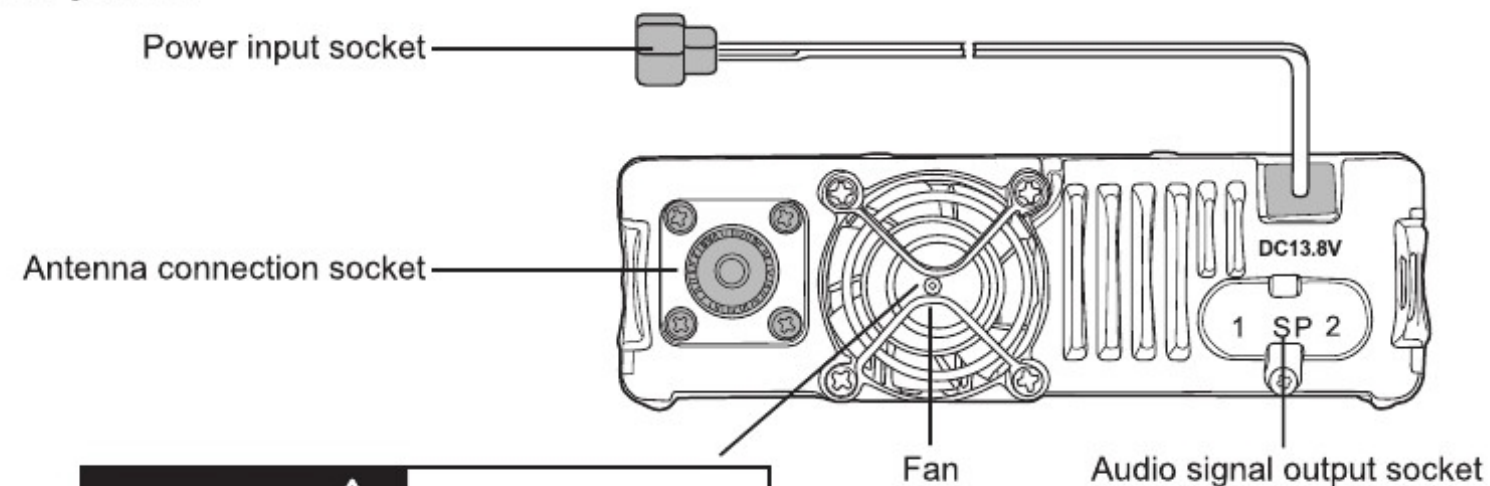
All kinds of performance parameters can be selected on the LCD screen. Sometimes, you may be unable to think of what they mean or how to change them. The following table will be extremely useful at such times.





## Getting started

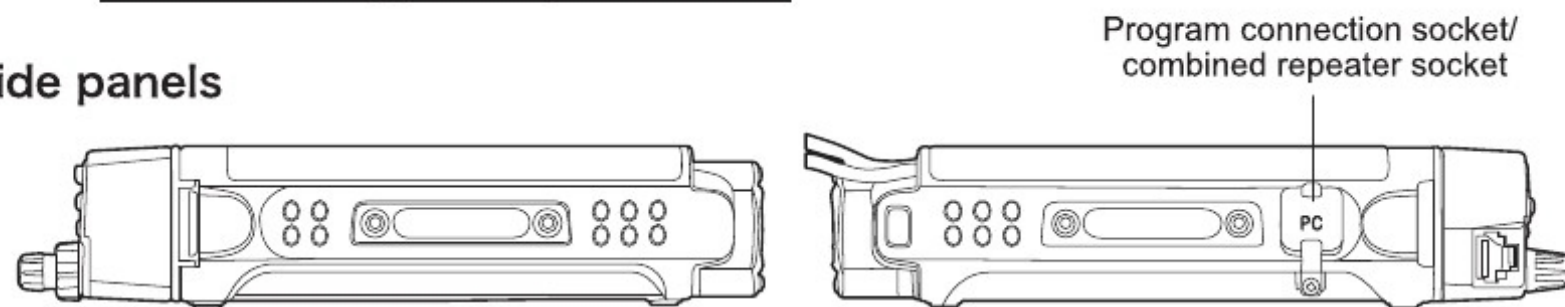
### Back panel



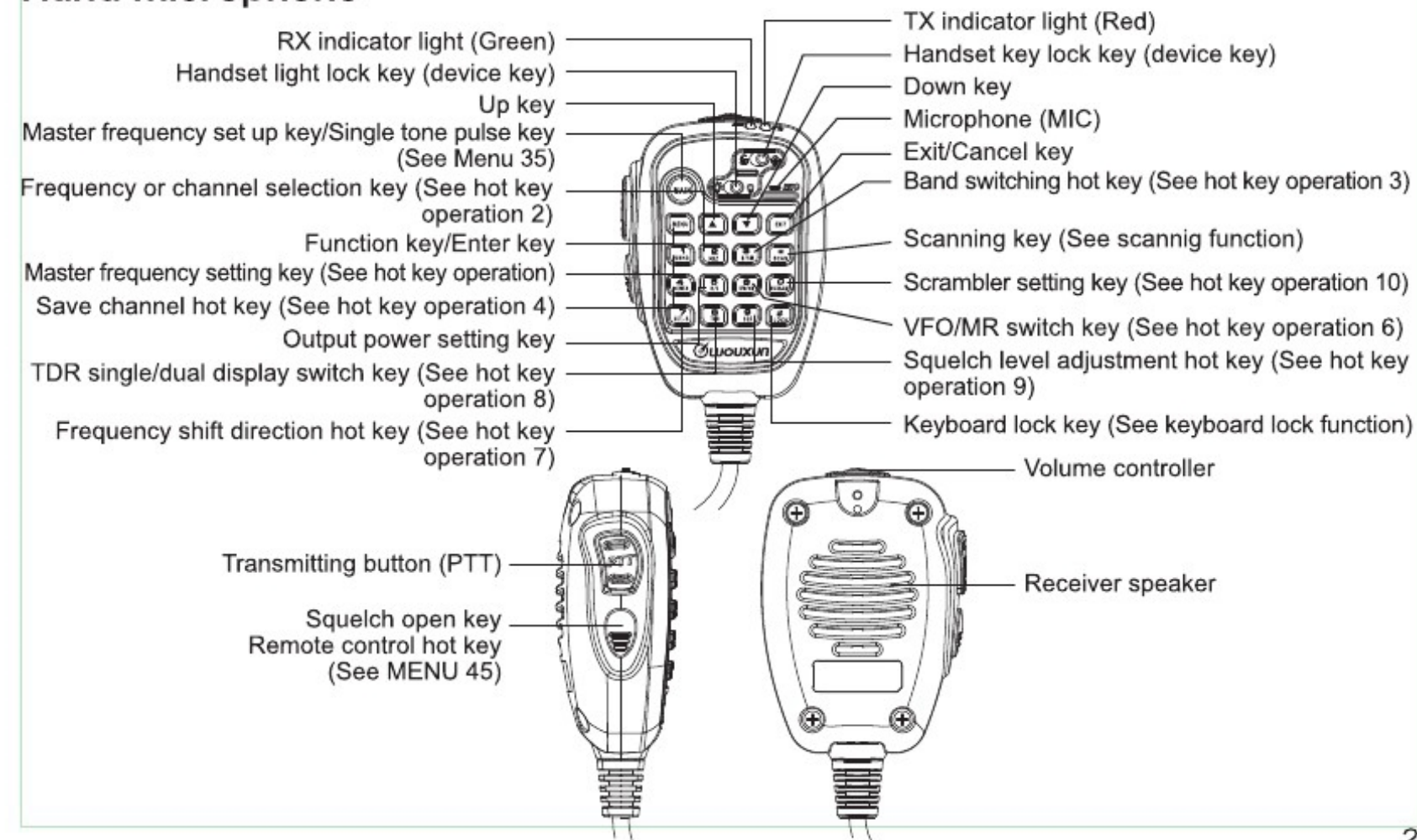
### WARNING

» Hazardous moving parts, keep fingers and other body parts away.

### Side panels




### Hand microphone

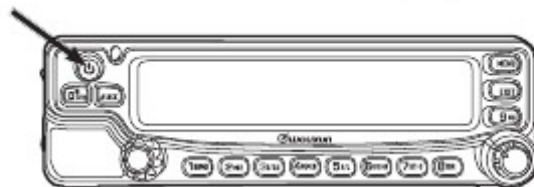


## Your first QSO

### First QSO

Do you want to hurry up and use your transceiver? After reading these chapters and sections you will know how to broadcast your voice out into the sky. Following is a quick instruction manual. If you encounter any problems or need further explanation, please read the detailed explanation later in this manual.

1. Installing the transceiver. (See pre-usage installation)
2. Installing the antenna. (See pre-usage installation)
3. Connecting the power source, or vehicle power source. (See pre-usage installation)
4. Press  to turn on the transceiver, the transceiver will make a long double beeping tone, the transceivers brand and model will be displayed and the transceiver will enter standby status.



Press the key shown by the arrow



Display brand and model

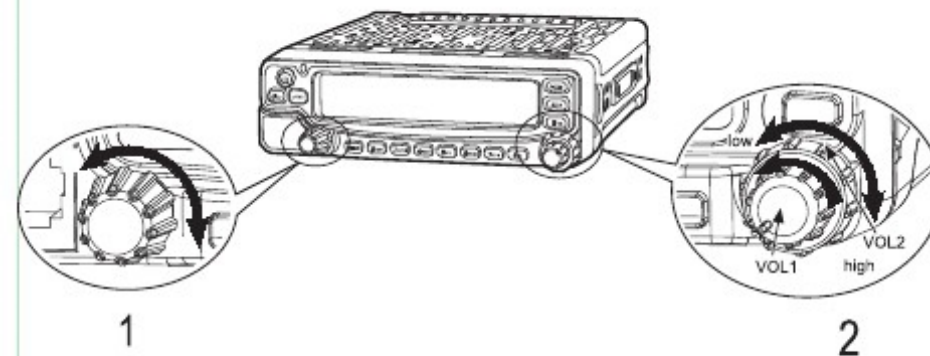


Enter standby status

### Adjusting the volume

Rotate the VOL1 and VOL 2 knobs clockwise in order to increase the volume, rotate the knobs counter-clockwise to decrease volume, the corresponding volume level will be displayed on the LCD.

The volume control knobs have upper and lower control devices. The upper control device is the channel and frequency RX volume control on the left side of the screen, the lower level control device is the channel and frequency RX volume control on the right side of the screen.



Turn the volume knob clockwise to increase the volume and the RX volume. The maximum volume is level 16. Turn the knob counter-clockwise to decrease the volume and the RX volume. Continue turning the knob counter-clockwise to shut off.



## Your first QSO

### Selecting Frequency

#### (1) Frequency mode (VFO)

VFO Mode is the basic mode for changing the operating frequency, through rotating the TURNING (Tuning) control knobs you can change the operating frequency. Turn the knobs clockwise to increase the frequency and counter-clockwise to decrease.

You can also enter the desired frequency using the keypad.

Changing the operating frequency using the keypad:

While in standby mode, press the

#### (2) key to enter in the operating frequency selection. After the LCD screen displays 8 whiffletrees, enter in the 6 figures in order which the frequency will automatically confirm according to the "frequency automated correction" verification. And will then display on the LCD screen.

## Function description

### Menu 【1】 : STEP

Function: VFO frequency setting to adjust steps

Selectable: 2.5K/5K/6.25K/10K/12.5K/20K/25K/30K/50K/100K

Default: 5K

### Menu 【2】 : Wide/Narrow bandwidth settings

Function: Choose Wide/Narrow bandwidth to adjust microphone frequency offset

Selectable: Wide/Narrow bandwidth

Default: Wide bandwidth

### Menu 【3】 : MPOWSET

Function: Two medium level power setting

Selectable: MPOW-1/MPOW-2

Default: MPOW-1

### Menu 【4】 : OFF-SET

Function: Offset frequency settings

Selectable: Range "0-999.99500MHz"

Default: 0

## Function description

### Menu 【5】 : ROGER

Function: Transmission begins and end prompt

Selectable: OFF/BOT/EOT/BOTH

Default: OFF

### Menu 【6】 : BEEP

Function: Prompts for radio operation error or fault.

Selectable: ON/OFF

Default: ON

### Menu 【7】 : VOICE

Function: Menu operation prompts

Selectable: ON/OFF

Default: ON

### Menu 【8】 : BCL

Function: Enabled this function, will prevent other stations which is communicating and if the

selected channel is being occupied by other users, the PTT radio will not be transmitted at this time.

Selectable: ON/OFF

Default: ON

### Menu 【9】 : SP-MUTE

Function: Mute settings

Selectable: QT/QT+DTMF/QT\*DTMF

Default: QT

QT: All signals on the same CTCSS frequency will activate the speaker

QT+DTMF: Only those signals which both satisfy the requirements of CTCSS mode and whose dual-tone multi-frequency carrier wave 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.

### Menu 【10】 : SC-REV

Function: Scan mode settings



## Function description

Selectable: TO/CO/SE

Default: SE

TO: After finding a carrier wave signal, scanning will continue if no operations are carried 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 carrier wave signal is found and press PTT key or function key to store it.

### Menu 【11】 : TOT

Function: When the transmission time exceeds the time set by the "Timeout Timer", there is an error tone. Stop transmitting within 10 seconds, press 【PTT】 will not be able to transmit, and there will be an error prompt. The transmission function will restore after 10 seconds.

Selectable: 1MIN/2MIN—60MIN

Default: 2MIN

### Menu 【12】 : TOA

Function: Prompt settings before reach "TOT"

Selectable: OFF/BOT/EOT/BOTH

Default: 5S

### Menu 【13】 : SNI-SW

Function: Caller ID transmission settings

Selectable: ON/OFF

Default: OFF

### Menu 【14】 : RING

Function: Make prompts when DTMF have been decoded.

Selectable: OFF/1S-10S

Default: 3S

### Menu 【15】 : ANI-EDIT

Function: This transceiver's caller ID is composed of the Arabic numbers 0-9, the first digit can not be 0, and ID numbers can be as short as 3 digits and as long as 6 digits.

Selectable: 0-9

Default: 101

## Function description

### Menu 【16】 : DTMFST

Function: Caller ID and keypad sidetone setting

Selectable: OFF/DT-ST/ANI-ST/DT+ANT

Default: DT/ST

### Menu 【17】 : PTT-ID

Function: ID transmission selected

Selectable: BOT/EOT/BOTH

Default: BOT

### Menu 【18】 : TX-LED

Function: Color of LED indicator settings

Selectable: OFF/RED/ORG/GREEN

Default: RED

### Menu 【19】 : WT-LED

Function: Standby backlight settings

Selectable: OFF/RED/ORG/GREEN

Default: ORG

### Menu 【20】 : RX-LED

Function: Receiving backlight settings

Selectable: OFF/RED/ORG/GREEN

Default: GREEN

### Menu 【21】 : DEL-CH

Function: Deleting unneed channel

Selectable: 999 channels

Default: CH-001

### Menu 【22】 : CH-NAME

Function: Edited channel names, press up key to choose the required character, press down key to edit the next characters, and press the 【\*】 to clean the character you are currently editing, When you finished editing the name, press 【MENU】 to confirm.

Selectable: 8Characters

Default: None



## Function description

### Menu 【23】 : PRICH-SW

Function: Switch on or off priority channel function. Switch on this function, will scan the channel every 3 seconds.

Selectable: ON/OFF

Default: OFF

### Menu 【24】 : SPK-CONT

Function: Select hand microphone or radio body as speaker.

Selectable: SPK1/SPK2/SPK1+2

Default: SPK1

### Menu 【25】 : AUTOLOCK

Function: Choose the type of keypad lock

Selectable: ON/OFF

Default: OFF

### Menu 【26】 : RX-CTC

Function: Receiving CTCSS settings

Selectable: OFF/50 groups standard CTCSS/Non-standard CTCSS: 65.0-255.0MHz

Default: OFF

### Menu 【27】 : RX-DCS

Function: Receiving DCS settings

Selectable: OFF/105 groups standard negative&positive DCS/Non-standard DCS: D000N-D766I

Default: OFF

(1) The non-standard DCS code is from 000-766 except any code with 8 or 9 number. (Such as 680.719 is not the legal non-standard DCS code)

(2) After set the non-standard DCS code, you can press 【#】 to select the Positive or Negative code, and then press 【Menu】 to confirm.

### Menu 【28】 : TX-CTC

Function: Transmission CTCSS settings

Selectable: OFF/50 groups standard CTCSS/Non-standard CTCSS: 65.0-255.0MHz

Default: OFF

## Function description

### Menu 【29】 : TX-DCS

Function: Transmission DCS settings

Selectable: OFF/105 groups standard negative&positive DCS/Non-standard DCS: D000N-D766I

Default: OFF

### Menu 【30】 : RPT-SPK

Function: Repeater speaker switch settings

Selectable: ON/OFF

Default: OFF

### Menu 【31】 : RPT-PTT

Function: Repeater PTT switch settings

Selectable: ON/OFF

Default: OFF

### Menu 【32】 : RPT-SET

Function: Repeater PTT settings

Selectable: RADIO/X-DIRPT/X-TWRPT/RPT-RX/T-W RPT

Default: RADIO

### Menu 【33】 : SCAN-ADD

Function: To set current channel whether participates in scanning when starts channel scanning.

Selectable: ON/OFF

Default: ON

### Menu 【34】 : APO-TIME

Function: If the transceiver undertakes no operations, and does not receive or transmit any signals within a set period of time, the Automatic Power off function will automatically power the transceiver off.

Selectable: OFF/30MIN/60MIN/90MIN/120MIN/150MIN/OFF/30MIN/60MIN/90MIN/120MIN/150MIN

Default: OFF

### Menu 【35】 : ALERT

Function: Some of the relay systems used for single-tone pulse transmission need a single-tone



## Function description

pulse signal to activate.

Selectable: 1750Hz/2100Hz/1000Hz/1450Hz

Default: 1750Hz

Special Reminder: When in transmitting mode, you can send the single-tone pulse frequency you've selected by pressing key **【MENU】** on the panel or the **【MAIN】** on the microphone.

### Menu **【36】** : COMPAND

Function: The compand function effectively minimizes noise, and its results are especially evident when transmitting over long distances.

Selectable: ON/OFF

Default: OFF

### Menu **【37】** : FAN-SET

Function: The transceiver has a built-on temperature detection system that will activate a cooling fan if required.

Selectable: TX / HI-TE/TX / ALWAYS

Default: TX

### Menu **【38】** : LOW-V

Function: When the transceiver is installed in a car or another unstable power source (such as a car battery, etc.), please activate this function in order to prevent the transceiver from consuming electricity over an extended period, rendering the equipment unable to supply electricity for regular work.

Note: When the voltage is too low, a voice prompt will sound every 10 seconds, and if Voltage Testing is activate, the transceiver will automatically power off when the voltage is insufficient. If the voltage is found to be too high, transmission will be locked.

Selectable: ON/OFF

Default: OFF

### Menu **【39】** : SCRAM

Function: This function is a kind of special speech handling, activating voice scrambling avoids the user's speech being overheard by users of transceivers who are not using the scrambling function.

Selectable: OFF/OFF/SCRAM 1—10

Default: OFF

## Function description

### Menu 【40】 : SC-QT

Function: When scanned CTCSS/DCS, will save scanned CTCSS/DCS. In three types.

Selectable: DECODER/ENCODER/ALL

Default: DECODER

### Menu 【41】 : SC-CTC

Function: This function scan all the frequencies/channels which with CTCSS setting, in case to confirm if the transmitter transmits the CTCSS mode. When your CTCSS code is not matching with the other member on your group, you can activate this function to confirm the CTCSS mode.

Selectable: 50 Group of CTCSS

Default: CTCSS scanning

### Menu 【42】 : SC-DCS

Function: This function scan all the frequencies/channels which with DCS setting, in case to confirm if the transmitter transmits the DCS code. When your DCS code is not matching with the other member of your group, you can activate this function to confirm the DCS code.

Selectable: 105 Group of DCS

Default: DCS Scanning

### Menu 【43】 : SC-GROUP

Function: This transceiver can divide the programmed channels into different scan groups and channel scanning can scan the designated channel of the group.

Selectable: ALL/GROUP 01—10

Default: ALL

### Menu 【44】 : RC-SW

Function: Via pre-setting dual audio code to control the radio.

Selectable: ON/OFF

Default: OFF

### Menu 【45】 : PF1-SET

Function: During pressing PTT key, press hand microphone to realize definition function.

Selectable: OFF/STUN/KILL/MONI/INSPEC

Default: OFF



## Function description

### Menu 【46】 : RPT-TONE

Function: Repeater tone is the transfer signal received by radio when the repeater is offline.

Selectable: OFF/ON

Default: ON

### Menu 【47】 : RESET

Function: Select reset option.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.

Selectable: VFO/ALL

Default: VFO

### Menu 【48】 : Hot key A definition

Function: Set the A key function on the display panel

Selectable: OFF/B/SW/MENCH/ H/M/L/VFO/MR/SET-D/TDR/SQL/SCAN/FM-RADIO/SC-CTC/  
SC-DCS

Default: H/M/L

### Menu 【49】 : Hot key B definition

Function: Set the B key function on the display panel

Selectable: OFF/B/SW/MENCH/H/M/L/VFO/MR/SET-D/TDR/SQL/SCAN/FM-RADIO/SC-CTC/  
SC-DCS

Default: VFO/MR

### Menu 【50】 : Hot key C definition

Function: Set the C key function on the display panel

Selectable: OFF/B/SW/MENCH/H/M/L/VFO/MR/SET-D/TDR/SQL/SCAN/FM-RADIO/SC-CTC/  
SC-DCS

Default: TDR

### Menu 【51】 : ABR

Function: Time of the backlight settings

Selectable: OFF/ALWAYS/1-20S

Default: ALWAYS

### Menu 【52】 : FM-RADIO

Function: Through this menu enter FM Radio function

## Function description

Selectable: ON/OFF

Default: OFF

Special tips: When enter FM Radio, Press 【MENU】 on display and hand microphone will start FM Radio scanning function in when radio is standby.

Press keyboard lock key will activate radio storage function, and press keyboard lock key again will start radio channel menu, and you can press up and down key to choose radio channel, press 【MENU】 to confirm.

### Menu 【53】 : AUT. AM

Function: Activate this function, the transceiver will automatically recognize the AM receiving frequency.

Selectable: ON/OFF

Default: ON

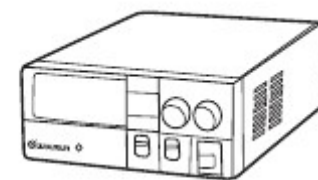
### Menu 【54】 : AM-SW

Function: Set the transceiver in AM receiving mode or not.

Selectable: ON/OFF

Default: OFF

## Optional accessories



Switching Power  
Supply (30A)



USB Programming  
Cable



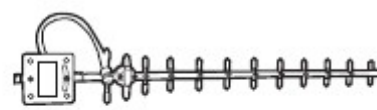
Mobile  
Speaker / Mic



Omni-antenna



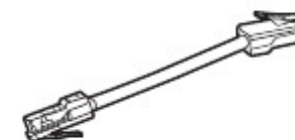
Omni-antenna



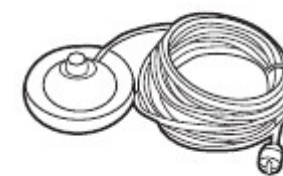
Directional-Antenna



Clamps Install  
Mount



Connection Cable



Strong Magnetic Mount



## Troubleshooting

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 resolves problems with settings.

Fault	Solution
Reception prompt remains but speaker is silent	» Check that the volume knob has been set to maximum. » Please reset sub-audio settings to check whether different channels from other group members have been set. » Check whether squelch 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.
Receive regular voice pause (About 3 second intervals)	» Please see if the "PRICH-SW" (Priority scanning switch) is turned on.
Can not enter scanning mode	» Please see if the scan group channel, Scan Add function is turned on.
Transceiver automated activation/deactivation switch	» Please make sure all used power sources are under 11.5V, or if the "APO" switch is on.
When pressing the transceiver PTT key to transmit, there is no output power and no reception	» See if it has been stunned or killed.
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



Professional FM Transceiver

**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.

Edition: KG-UV980-1908-V1

