16.2x11cm

Contents

wouxun
Professional FM Transceiver

Structure Instructions 01-03
- LCD 01
- Front panel 03

Function description 04-21
- Menu【1】: STEP 04
- Menu【2】: Wide/Narrow bandwidth settings 04
- Menu【3】: MPOWSET 04
- Menu【4】: OFF-SET 04
- Menu【5】: ROGER 05
- Menu【6】: BEEP 05
- Menu【7】: VOICE 05
- Menu【8】: BCL 05
- Menu【9】: SP-MUTE 06
- Menu【10】: SC-REV 06
- Menu【11】: TOT 07
- Menu【12】: TOA 07
- Menu【13】: SNI-SW 08
- Menu【14】: RING 08
- Menu【15】: ANI-EDIT 08

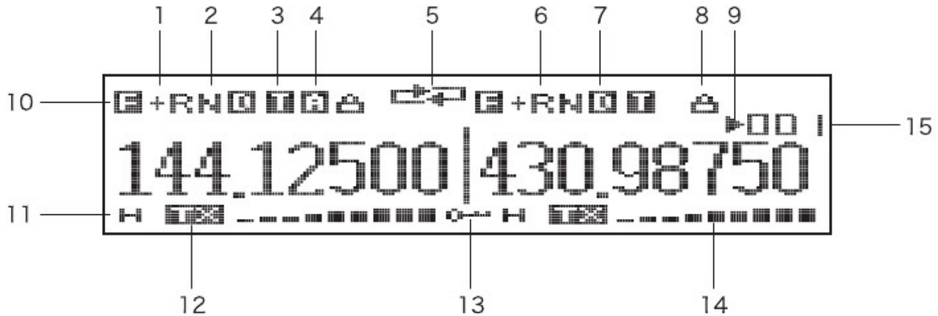
Contents

Menu【16】: DTMFST 09
Menu【17】: PTT-ID 09
Menu【18】: TX-LED 09
Menu【19】: WT-LED 09
Menu【20】: RX-LED 10
Menu【21】: DEL-CH 10
Menu【22】: CH-NAME 10
Menu【23】: PRICH-SW 11
Menu【24】: SPK-CONT 11
Menu【25】: AUTOLOCK 11
Menu【26】: RX-CTC 11
Menu【27】: RX-DCS 12
Menu【28】: TX-CTC 12
Menu【29】: TX-DCS 13
Menu【30】: RPT-SPK 13
Menu【31】: RPT-PTT 13
Menu【32】: RPT-SET 13
Menu【33】: SCAN-ADD 14
Menu【34】: APO-TIME 14
Menu【35】: ALERT 14

Contents

Menu【36】: COMPAND 15
Menu【37】: FAN-SET 15
Menu【38】: LOW-V 16
Menu【39】: SCRAM 16
Menu【40】: SC-QT 17
Menu【41】: SC-CTC 17
Menu【42】: SC-DCS 17
Menu【43】: SC-GROUP 18
Menu【44】: RC-SW 18
Menu【45】: PF1-SET 18
Menu【46】: RPT-TONE 19
Menu【47】: RESET 19
Menu【48】: Hot key A definition 19
Menu【49】: Hot key B definition 20
Menu【50】: Hot key C definition 20
Menu【51】: ABR 20
Menu【52】: FM-RADIO 20
Menu【53】: AUT. AM 21
Menu【54】: AM-SW 21

LCD

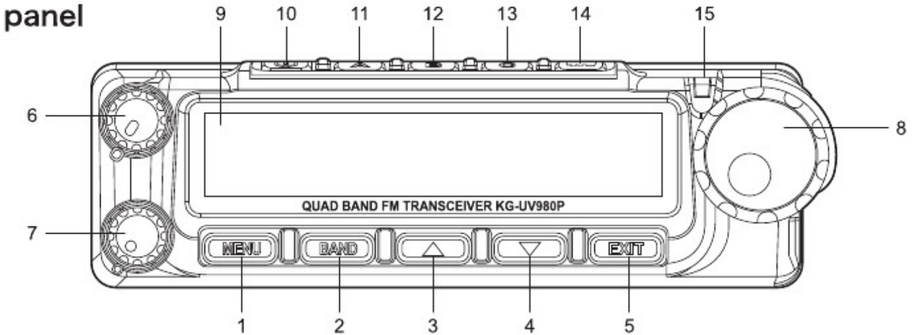


1. “+” Higher than received frequency dispersion, “-” Lower than received frequency dispersion
2. Narrow bandwidth
3. DTMF mute
4. AM-setting
5. Cross-band repeater function(Combined repeater function)
6. Reverse frequency
7. DCS (“C” means CTCSS)

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

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

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 muti-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

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
Defaulf: 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

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

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

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/150MINOFF/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

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,rending 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

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

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

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, ans 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