

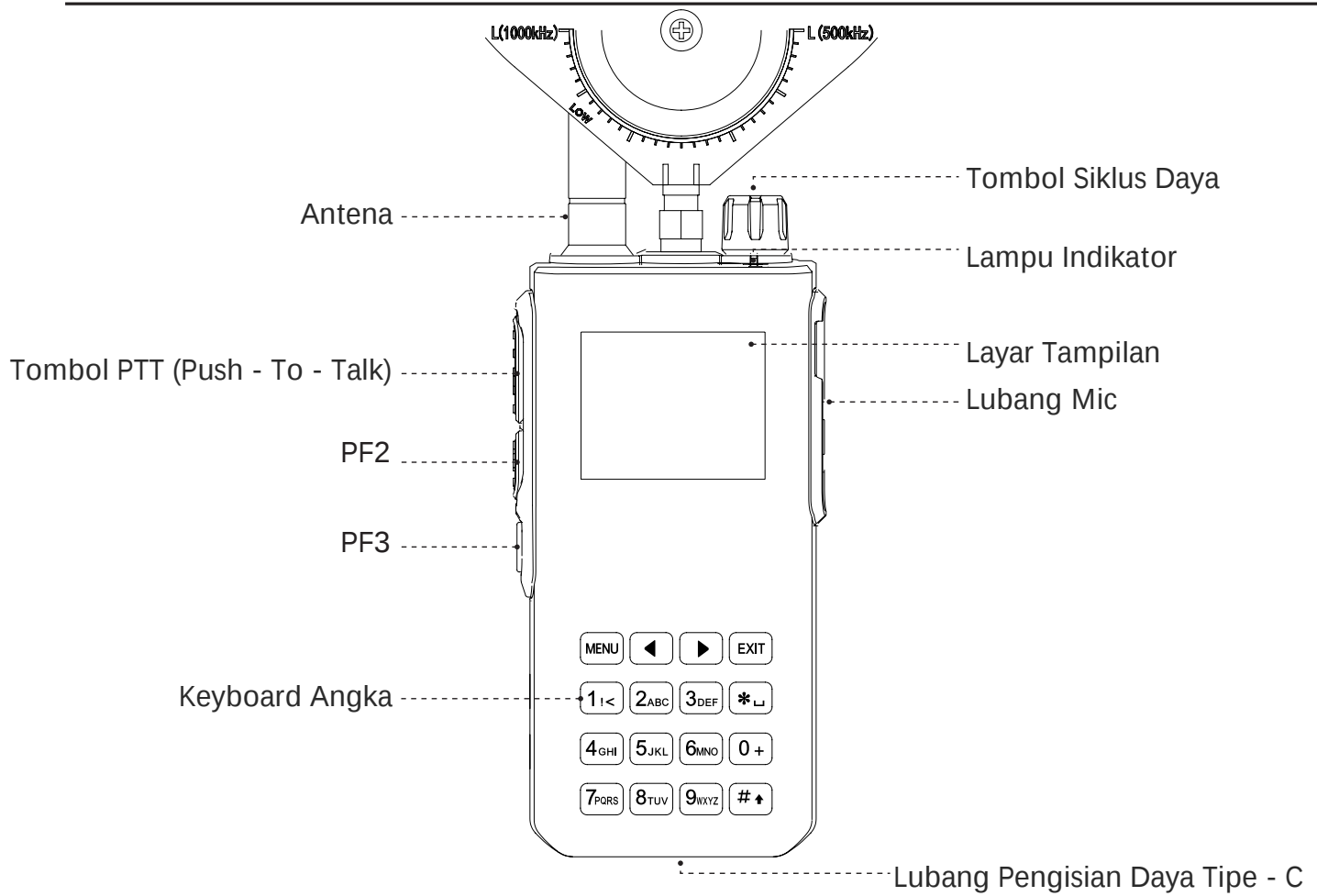
Instruksi eksploitasi

Panduan Pengguna



Interkom nirkabel profesional
TRANSIVER PROFESIONAL

Mengenal Perangkat



Kombinasi tombol pintas

Tekan dan tahan angka 1: PINDAI untuk masuk ke fungsi PEMINDAIAN

Tekan dan tahan angka 2: Simpan saluran (Saluran Memori), simpan frekuensi di saluran, tekan dan tahan angka 3: Langkah frekuensi (Langkah frekuensi), atur langkah frekuensi

Tekan dan tahan angka 4: Power Select, pilih high, medium, dan low power, tekan dan tahan angka 5: Squelch, sesuaikan level squelch

Tekan dan tahan angka 6: Dual Standby, hidupkan / matikan dual Standby

Tekan dan tahan angka 7: Sub-audio (CTCSS) untuk mengatur sub-audio

Tekan dan tahan angka 8: Arah Pergeseran untuk mengatur arah perbedaan frekuensi relai. Tekan dan tahan angka 9: Offset untuk mengatur frekuensi perbedaan frekuensi relai.

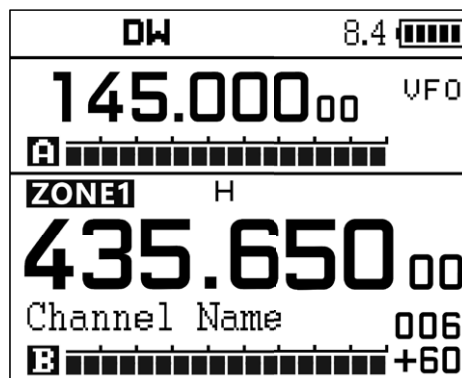
Tekan dan tahan angka 0: Radio FM (Radio FM) untuk menyalakan Radio FM

Tekan dan tahan angka #: Kunci keyboard(Kunci keyboard), kunci / buka kunci keyboard

Tekan sebentar nomor #: multi-frekuensi nada ganda (DTMF), pengeditan multi-frekuensi nada ganda

Tekan sebentar nomor*: terima / kirim (R / T), alihkan terima / kirim

LCD tampilan



Dual-band Interface

Icon Description

CT: Analog sub - audio frequency indicator. This symbol indicates that the current sub - audio frequency is analog audio frequency. When this symbol appears during transmission, it means that an analog sub - audio frequency signal is being transmitted.

DCS: Digital sub - audio frequency indicator. This symbol indicates that the current sub - audio frequency is digital audio frequency. When this symbol appears during transmission, it means that a digital sub - audio frequency signal is being transmitted.

H: High - power indicator. This symbol indicates that the current transmission power is set to high.

M: Medium - power indicator. This symbol indicates that the current transmission power is set to medium.

L: Low - power indicator. This symbol indicates that the current transmission power is set to low.

N: Narrow - band mode indicator. This symbol will appear when the channel works in narrow - band mode.

W: Wide - band mode indicator. This symbol will appear when the channel works in wide - band mode.

+: Frequency mode (+frequency offset). This symbol appears in frequency mode, indicating that the transmission frequency is the reception frequency plus a frequency offset.

-: Frequency mode (frequency offset). This symbol appears in frequency mode, indicating that the transmission frequency is the reception frequency minus a frequency offset.

R: Frequency inversion in frequency/channel mode. This symbol will appear when the reception and transmission frequencies are inverted in frequency or channel mode.

T: Simplex mode. In simplex mode, the reception and transmission frequencies are adjusted to be the same.

SC: SC (encryption) indicator. The appearance of "SC" indicates that the encryption function has been enabled.

Deskripsi ikon

Ikon	Penjelasan
AM	Indikator modulasi Amplitude Modulation (AM): Menampilkan simbol ini berarti frekuensi saat ini Dalam modus modulasi AM.
SCR	Fungsionalitas scrambling: Menunjukkan bahwa fungsionalitas scrambling status aktif.
VOX	Transmisi suara teraktivasi (VOX): Menunjukkan bahwa fungsionalitas transmisi suara teraktivasi telah diaktifkan. Ketika tingkat tekanan suara mikrofon mencapai ambang batas yang diatur, transmisi dimulai.
OW	Fungsionalitas scrambling: Menunjukkan bahwa fungsionalitas scrambling status aktif.
MO	Fungsionalitas pemantauan telah diaktifkan: Menunjukkan bahwa fungsionalitas pemantauan telah diaktifkan.
	Suara sampingan telah diaktifkan: Menunjukkan bahwa fungsionalitas suara sampingan Dalam status aktif, dan akan menghasilkan nada petunjuk saat mentransmisikan Dual - Tone Multi - Frequency (DTMF).
	Kunci keyboard: Ditampilkan ketika keyboard terkunci. Tekan tombol # lama untuk membuka kunci.
RSSI	Kekuatan sinyal: Mengindikasikan kekuatan sinyal yang diterima.
A B	Frekuensi A/B: Mengindikasikan bahwa frekuensi A atau frekuensi B Dalam status aktif.
VOL	Volume audio transmisi: Mengindikasikan level volume audio transmisi.
	Status baterai: Menampilkan sisa daya baterai. Ketika baterai hampir habis, bingkai simbol ini akan berkedip, dan transmisi dilarang. Ketika bingkai berwarna hijau, perangkat Dalam modus hemat daya super.

Basic Operations

Main Frequency Band Selection

Standby Screen: Briefly press the [A/B] key or long - press the [EXIT] key to select the main frequency. The larger display area indicates the currently activated main frequency band.

PTT Function

When working in the A frequency band, pressing the PTT key will transmit a signal at the A - band frequency; when working in the B frequency band, pressing the PTT key will transmit a signal at the B - band frequency.

Channel Mode and Frequency Mode Switching

Briefly press the [VFO/MR] key or long - press the [OK] key to switch between channel mode and frequency mode.

AM Aviation Frequency Band Mode

Briefly press the [VFO/MR] key or long - press the [OK] key to switch to frequency mode, directly input the aviation frequency band frequency within the range of 108MHz to 136MHz, the radio station will automatically enter the AM reception mode, and the channel status will display "AM". This mode is mainly used to receive amplitude - modulated signals.

Scan Mode

Assign the scan function to the side keys PF2/PF3, or long - press the 1 key to start frequency or channel scanning. You can select one of the following modes from Menu 23:

1. Timed working mode (TO): When the walkie - talkie detects a signal, it will stop scanning and stay at the current frequency. After 5 seconds, even if the signal still exists, it will resume scanning.
2. Carrier working mode (CO): When the walkie - talkie detects a signal, it will stop scanning and stay at the current frequency until the signal disappears. After the signal disappears, it will delay for 2 seconds before resuming scanning.
3. Search working mode (SE): After detecting a signal, the walkie - talkie exits scanning and stays at that frequency.

Commercial FM Radio Reception Function (Long - press the 0 key)

4. Long - press the 0 key to turn on FM radio (FM RADIO), and the screen will display the current frequency.
5. Use the up and down keys or the channel knob to adjust the frequency, and you can also directly input the frequency through the keyboard.

Basic Operations

Frequency Scanning Function / Frequency Copying

(In menus 24 - 26, define the PF2/PF3 keys as "Search (SEARCH)")

This function is used to find the frequencies and sub - tones of nearby radio stations for instant communication.

After defining the side key (PF key) as "Search (SEARCH)", press the key until the liquid crystal display (LCD) shows "SEARCH/SEEK...". Press the "OK" key to select the UHF/VHF band (frequency range 200MHz - 300MHz). After capturing a frequency, it will continue to look for sub - tones (CTCSS /DCS). If no sub - tone is found, the LCD will display "NONE". At this time, you can press the [Menu (MENU)] key to save the frequency to a specified channel, or press the "Up (UP)" or "Down (DOWN)" key to start the next frequency scan.

NOAA Weather Forecast Function of the National Oceanic and Atmospheric Administration (NOAA)
(In menus 24 - 26, define the PF key as "NOAA")

Press the specified side key to activate this function. The radio has 10 built - in fixed frequencies.

You can press the "Up (UP)" / "Down (DOWN)" key to select the frequency you want to listen to.

Note: The NOAA weather forecast function is only available in countries and regions that support NOAA channels.

Dual - Tone Multi - Frequency (DTMF) Code Sending

Quick operation: When entering the number keys 0 - 9, "Menu (MENU)", "Up (UP)", "Down (DOWN)", "Exit (EXIT)", "*" and "#", hold down the "Push - To - Talk (PTT)" key. The radio will send DTMF codes 0 - 9, A, B, C, D, "*" and "#". Releasing the "Push - To - Talk (PTT)" key can stop sending codes.

Editing DTMF codes: In standby mode, briefly press the [#] key to enter the DTMF code editing interface. You can input codes 0 - 9, "OK", "Up (UP)", "Down (DOWN)", "Exit (EXIT)", "*" and "#" through the keypad. Press the "Push - To - Talk (PTT)" key to send DTMF codes.

Push - To - Talk Identification (PTT - ID) Function

Send identity codes or call codes via DTMF. There are 15 groups of call codes, which can be configured through "Programming Software Editing DTMF".

Each signal or A/B band can independently select the group of call codes to be sent.



Configure identity code parameters through "Programming Software Editing DTMF Local ID Code"

Sending methods:

- Press to send: After pressing "Push - To - Talk (PTT)", send the call code/identity code first, and then send the voice signal.
- Release to send: After releasing "Push - To - Talk (PTT)", send the call code/identity code, and then stop transmission.
- Send from both ends: When pressing and releasing "Push - To - Talk (PTT)", the call code/identity code will be sent.

Note: Since the identity code operation has nothing to do with the call code, if there is a conflict between the identity code and the call code, the identity code will be sent.

Menu Function Operation Instructions

Press the [OK/MENU] key, and use the up and down keys to select the required menu. Press the [OK/MENU] key again to enter the selected menu. Use the up and down keys or the channel knob to select menu options, or enter numbers on the keypad to quickly access functions. Press the [OK/MENU] key to confirm and return to the main menu. Press [EXIT] to exit the menu and return to normal operation mode. Note: Frequency step, repeater offset direction, and frequency offset can only be set in frequency mode.

Shortwave Interface

After setting the PF3 side key as a shortcut to enter shortwave, briefly press PF3 to enter the shortwave interface. Long - press [0] to enter the shortwave interface. In the shortwave interface , briefly press [*#] to switch between step (STEP), bandwidth (BW), local area network (LAN), and beat frequency oscillator (BFO).

Under the "Modulation" menu:

When the second - level menu is "FM", the options for the third - level menu "FMFM MEMCH" are 1 ...15. When the second - level menu is "AM", the options for the third - level menu "AMFM MEMCH" are 1...15; "Work Band" includes long - wave band (LW Band), medium - wave band (MW Band) , and short - wave band (SW Band); the options for "Frequency Step" are 1K, 10K, and 100K; "Low - Noise Amplifier (LNA)" has options for automatic gain control (AGC) and 0 dB..... - 35 dB. When the second - level menu is "LSB/USB/CW", the options for the third - level menu "SSBFM MEMCH" are 1...15; the options for "Frequency Step" are 1K, 5K, 10K, 100K, 500K, and 1000K; the options for "Bandwidth" are 0.5K, 1.0K, 1.2K, 2.2K, 3.0K, and 4.0K; "Low - Noise Amplifier (LNA)" has options for automatic gain control (AGC) and 0 dB..... - 35 dB; there is also the third - level menu "Beat Frequency Oscillator (BFO)".

Menu Function List

SQL: The secondary menu is 0.....9. Set squelch to close or fully open squelch. Squelch mutes the receiver when there is no signal. The lower the level, the more susceptible it is to interference; the higher the level, the lower the sensitivity compared to lower levels. So it's best to set it to a medium level.

STEP: The secondary menu options are 2.5K, 5.0K, 6.25K, 8.33K, 10.0K, 12.50K, 20.0K, 25.0K, 50.0K. In frequency mode, pressing the up and down keys can change the frequency step, which determines the amount of frequency change when scanning in VFO/frequency mode or pressing the up and down keys.

TXP:

Secondary menu option "High": Transmit at high power.

Secondary menu option "Middle": Transmit at medium power.

Secondary menu option "LOW": Transmit at low power.

SAVE:

Secondary menu option "OFF": Power - saving function disabled.

Secondary menu option "Normal Mode": Select the ratio of sleep cycle to wake - up cycle (1:1, 2:1, 3:1). The higher the value, the longer the battery life. The higher the value, the longer the reception sleep cycle, but you may miss the first few syllables before reception starts.

Secondary menu option "Super Mode": (No specific description, 推测 related to super power - saving mode based on context).

Secondary menu option "Deep Mode": (No specific description, 推测 related to deep power - saving mode based on context).

VOX:

Secondary menu option "OFF": Disable voice - activated transmission function.

Secondary menu options 1, 2.....9: Activate voice - activated transmission function. Level 1 has the highest sensitivity. When enabled, there's no need to press the PTT button.

W/N:

Secondary menu option "WIDE": Wide band (25KHz bandwidth).

Secondary menu option "NARROW": Narrow band (12.5KHz bandwidth).

ABR:

Secondary menu option "ON": Backlight is on.

Secondary menu options 5sec.....3min: Automatic backlight off time.

TDR:

Secondary menu option "OFF": Dual - band standby off.

Secondary menu option "ON": Dual - band standby on.

BEEP PROMPT:

Secondary menu option "OFF": Operation prompt sound off.

Secondary menu option "ON": Operation prompt sound on, allowing audible confirmation of key operations.

Menu Function List

Transmit Timeout (TOT)

Off (OFF)

15 seconds.....75 seconds

Transmit timeout timer. This function provides a safety switch that limits the transmit time to a set value. It saves battery by preventing overly long transmissions, and can prevent interference to other users and battery exhaustion if the Push - To - Talk (PTT) switch gets stuck.

10 Zone (ZONE)

Zone 1.....Zone 15

Change zone operations.

11 Memory Channel (MEMCH)

Channel 001.....Channel 064

Used to create new channels (0 to 256) for access from MR/channel mode. If the icon "CH" is displayed, it indicates that the channel has been stored.

12 Delete Channel (DELCH)

Channel 001.....Channel 064

Delete stored channels. If there is no "CH" in front, the channel has no parameters and the operation is invalid.

13 Receive Sub - audio (R-CTCSS)

Off (OFF)

67.0 Hz.....254.1 Hz

Receive standard sub - audio. Select standard audio or enter non - standard audio via the keypad.

14 Receive Digital Sub - audio (R-DCS)

Off (OFF)

D023N.....D754I

Receive standard digital sub - audio. Select standard audio or enter non - standard audio via the keypad.

15 Transmit Sub - audio (T-CTCSS)

Off (OFF)

67.0 Hz.....254.1 Hz

Transmit standard sub - audio. Select standard audio or enter non - standard audio via the keypad

16 Transmit Digital Sub - audio (T-DCS)

Off (OFF)

D023N.....D754I

Transmit standard digital sub - audio. Select standard audio or enter non - standard audio via the keypad.

Menu Function List

- 17 Voice Encryption (VOICEPRI): Sub - tone encryption. If enabled, when others' frequencies and sub - tones/digital sub - tones are the same as yours, they can't hear (your voice).
- 18 Channel Name (CH - NAME): Input the channel name. Press the # key to switch the input method
- 19 Roger Beep (ROGER): Disabled when OFF; when BEEP is enabled, sends a transmission end tone to indicate to other radios that the transmission has ended; when TONE1200 is selected, sends a frog sound.
- 20 Voice (VOICE): Voice prompts are off when OFF; when ON is enabled, allows audible voice confirmation for key operations.
- 21 Language (LANGUAGE): English voice guidance when set to ENGLISH; Russian voice guidance when set to русский.
- 22 Busy Channel Lock (BCL): Busy channel lock is off when OFF; when ON is enabled, disables the Push - To - Talk (PTT) button on an already used channel.
- 23 Scan - Reply (SC - REV): Time scan (TO): When the radio detects a signal, it pauses scanning and stays for about 5 seconds. Even if the signal still exists, the radio will continue scanning. Carrier scan (CO): When a signal is detected, the radio stops scanning and stays at the scanned frequency; when the signal disappears, it continues scanning. Search scan (SE): When the walkie - talkie detects a signal, it exits scanning and stays at that frequency.
- 24 PF2: Allows you to assign the desired function as a shortcut to the radio's PF2 key. This corresponds to a short press operation. The assignable functions include spectrum/radio/SOS (SPECTRUM/RADIO/SOS), transmit power/scan (TXPOWER/SCAN), search (SEARCH), National Oceanic and Atmospheric Administration/Push - To - Talk Button (NOAA/PTTB).

Menu Function List

25 PF2 Long Press (PF2 LONG PRESS): Allows you to assign the desired function as a shortcut to the radio's PF2 key, corresponding to a long - press operation. Assignable functions include SOS/spectrum/radio/transmit power (SOS/SPECTRUM/RADIO/TXPOWER), scan/search (SCAN/SEARCH), and National Oceanic and Atmospheric Administration (NOAA).

26 PF3: Allows you to assign the desired function as a shortcut to the radio's PF3 key, corresponding to a short - press operation. Assignable functions include SOS/spectrum/radio/transmit power (SOS/SPECTRUM/RADIO/TXPOWER), scan/search (SCAN/SEARCH), and National Oceanic and Atmospheric Administration (NOAA).

27 Frequency Offset (OFFSET): The frequency difference between the radio's transmission and reception.

28 Frequency Shift Direction (SFT - D): When OFF, enables repeater mode access with no repeater shift; when "+", in frequency mode, the transmission frequency is equal to the reception frequency plus the frequency difference; when "-", in frequency mode, the transmission frequency is equal to the reception frequency minus the frequency difference.

29 Power On Message (POWER ON MSG): When Logo is displayed, the logo is shown at power - on; when Voltage is displayed, the voltage is shown.

30 Selective Call Code (S - CODE): Dual - tone multi - frequency signal code, ranging from 1, 2, 3... 15.

31 Dual - Tone Multi - Frequency Code (DTMF CODE): Disabled when OFF; when Push - To - Talk (PTT) is pressed (BOT), dual - tone multi - frequency codes are transmitted; when PTT is released (EOT), dual - tone multi - frequency codes are transmitted; when Both is selected, dual - tone multi - frequency codes are transmitted both when PTT is pressed and released.

32 Dual - Tone Multi - Frequency Fast (DTMFST): When OFF, during transmission (PTT pressed), inputting dual - tone multi - frequency codes, the radio will not emit sound codes; when DT - ST is selected, during transmission (PTT pressed), inputting dual - tone multi - frequency codes, the radio will emit sound codes.

Daftar Fungsi Menu

- 32 DTMF Cepat (DTMFST): Ketika Automatic Number Identification - Send (ANI - ST), saat pemancaran (tekan PTT), kode DTMF dikirim otomatis dan radio akan mengeluarkan kode suara; Ketika DT + ANI, saat pemancaran (tekan PTT), kode DTMF dikirim otomatis atau kode DTMF dimasukkan melalui keyboard, dan radio akan mengeluarkan kode suara.
- 33 Kunci Otomatis (AUTOLOCK): Ketika Ditutup (OFF), kunci keyboard dinonaktifkan; Saat 5 detik, 10 detik, 15 detik, merupakan waktu kunci keyboard otomatis.
- 34 Tambah Pemindaian (SCAN ADD): Tambah / Hapus (ADD/Delete), dapat menambahkan saluran ke dalam daftar pemindaian atau menghapusnya dari daftar pemindaian.
- 35 Tone: 1000Hz, 1450Hz, 1750Hz, 2100Hz, untuk mengeluarkan nada tiba - tiba, perlu menekan tombol PF2 sambil menekan PTT.
- 36 Tunda PTT (PTT - LT): 0.100..... 1000 milidetik, waktu tunda sebelum pemancaran DTMF otomatis.
- 37 Waktu Keluar Menu (MENU EXIT TIME): 5, 10..... 60 detik, waktu tunda keluar karena tidak ada operasi selama operasi menu.
- 38 Tunda VOX (VOX DELAY): 0.5 detik..... 2.0 detik, waktu tunda VOX.
- 39 Hapus Suara Ekor Squelch Repeater (RP - STE): Ketika Ditutup (OFF), fungsi ini digunakan untuk menghapus suara ekor squelch saat berkomunikasi melalui repeater (1 - 10 detik); Saat 100 milidetik..... 1000 milidetik, parameter terkait dapat diatur.
- 40 Tunda Suara Ekor Repeater (RPT - RL): Ketika Ditutup (OFF), tidak ada tunda suara ekor repeater; Saat 100 milidetik..... 1000 milidetik, menunda suara ekor repeater (1 - 10 detik).
- 41 Tampilan Utama - A (MDF - A): Ketika Nama (NAME), frekuensi ditampilkan di pita A; Ketika Frekuensi (FREQ), nomor saluran ditampilkan di pita A; Ketika Saluran (CH), nama saluran ditampilkan di pita A.
- 42 Tampilan Utama - B (MDF - B): Ketika Nama (NAME), frekuensi ditampilkan di pita B; Ketika Frekuensi (FREQ), nomor saluran ditampilkan di pita B; Ketika Saluran (CH), nama saluran ditampilkan di pita B.
- 43 Transmisi - A/B (TX - A/B): Ketika Ditutup (OFF), dalam mode dual standby, tekan PTT untuk mentransmisikan di pita frekuensi utama; Ketika A, dalam mode dual standby, tekan PTT untuk mentransmisikan di pita A; Ketika B, dalam mode dual standby, tekan PTT untuk mentransmisikan di pita B.

Menu Function List

44 Squelch Tail Elimination (STE): When OFF, the squelch tail elimination function is set to off; when ON, this function is used to eliminate squelch tails between handheld devices in direct communication (without going through a repeater).

45 Alarm Mode (AL - MOD): When ON SITE, it's an on - site alarm; when SEND SOUND, it sends an alarm sound; when SEND CODE, it sends an alarm tone.

46 Scramble (SCRAMBLE): When OFF/ON, it has a voice scrambling function, providing two scrambling frequencies to prevent personnel on other radio stations at the same frequency from hearing and understanding your voice.

47 Noise Reduction (NOISE REDUCTION): When OFF/ON, it's an optional function. Turning on the noise reduction/elimination function is only applicable to the RT - 900 Bluetooth version.

48 Bluetooth (BLUETOOTH): When OFF/ON, it's an optional function. Turning on the Bluetooth connection with mobile applications is only applicable to the RT - 900 Bluetooth version.

49 Reset (RESET): When in frequency mode (VFO), menu initialization is performed; when ALL is selected, menu initialization is also performed.

50 RX Modulation: When in frequency modulation (FM) and amplitude modulation (AM), you can switch between amplitude modulation or frequency modulation.

51 Version (VERSION): When Firmware is selected, the firmware version number is displayed; when Hardware is selected, the hardware version number is displayed.

Charging Instructions

Charging Instructions for Charging Dock (Optional): Insert the battery pack or the radio with the battery pack into the charging dock, ensuring full contact with the charging terminals of the dock. Type - C Charging: Connect the attached charging cable to the power adapter, then insert the power adapter into the AC power socket. Plug the charging cable into the Type - C interface of the radio battery. When the device is charging, the red indicator light indicates charging in progress, and the green indicator light indicates charging completion.

Cleaning and Maintenance

To ensure the product achieves optimal performance and extends its service life, please follow the following daily maintenance and cleaning guidelines.

Daily Maintenance: Do not scratch the product with hard objects. Do not store the product in an environment containing chemically corrosive substances. Do not carry or use the product by pulling the headphone cable. When the headphone jack is not in use, cover the interface with a protective cover.

Cleaning Steps:

Before cleaning, please turn off the device and remove the battery; regularly use a dry, clean, lint - free cloth or a soft brush to remove dust from the product surface and charging terminals. If the keys or the outer shell become dirty, clean them with a neutral detergent and non - woven fabric . Do not use detergents, alcohol, sprays, or petroleum - based chemicals, as they may damage the surface shell. After cleaning, ensure the product is completely dry before use.

Warranty Terms

The warranty period of this product starts from the date of sale (subject to the date on the sales invoice).

The main unit is warranted for 12 months, and the battery and charging accessories are warranted for 6 months.

In the following cases, paid repair services will be required within the warranty period:

1. Failure to present this warranty card and purchase invoice.
2. This card shows signs of alteration or inconsistency with the product.
3. Defects and damages caused by using this product under non - standard conditions.
4. Due to misuse, accident, water ingress or negligence.
5. Defects and damages caused by improper detection, operation and maintenance, installation modification or adjustment.
6. Defects and damages caused by unauthorized repair or disassembly.
7. Defects and damages caused by force majeure.
8. Wear and tear caused by normal use.

Product Warranty Card

Sales Information

Dealer (valid with stamp):

Contact number:

Address:

Product Information

Product model:

Serial number:

Purchase date:

User Information

User name:

Contact number:

Address:

This warranty card is an important certificate for end - users to enjoy warranty services. It must be stamped by an authorized dealer and filled out completely to be valid. Please keep it properly.