PNI P18UV

VHF/UHF RADIO

USER MANUAL

Manual version 2.0 | 2026

Table of Contents

AT	BE	BG	CH	CY	CZ	DE
DK	EE	EL	ES	FI	FR	GB
HR	HU	IE	IT	LI	LT	LU
LV	MT	MD	NL	PL	PT	RO
RSM	SE	SI	SK			

To avoid damage to the device and personal injury, please read this manual carefully.

Do not operate the radio without an antenna or with a defective antenna. Touching a defective antenna may cause minor skin burns.

Do not transmit more than 50% of the radio's operating time.

To transmit, press the Push-to-Talk (PTT) key. To receive, release the [PTT] key.

Hold the radio at least 2.5 cm away from your face. RF exposure decreases with distance from the antenna. The antenna should be kept away from your face and eyes.

When the radio is worn on your body, always use the clip provided in the package.

The use of accessories other than those recommended by the manufacturer is prohibited, as they may violate the regulations for the safe use of RF devices.

This radio complies with European regulations and laws.

Do not use the radio in areas where fuels, chemicals, or other explosive materials are stored.

Do not use the radio near medical or electronic equipment that is sensitive to RF signals.

Do not use the radio while driving.

Do not use the radio at maximum volume for extended

periods of time.

Do not leave the radio and its accessories within the reach of children or pets.

Use of this radio requires a VHF/UHF license. Please consult local legislation.

Battery charging

The battery is not charged from the factory. Please charge it before using the radio. Only after repeating the charge/discharge cycle 2-3 times, the battery reaches its maximum capacity.

There are two ways to charge the battery, via the charging base or via the USB-C port:

1. Place the radio with the battery installed or just the battery in the charging base. Connect the charging base to a 230V power source. While the battery is charging, the LED on the charging base is red. When the battery is charged, the LED turns off.

2. Connect a USB cable to the USB-C port on the side of the radio. The USB 230V - 5V adapter is purchased separately. While the battery is charging, the LED on the radio lights up blue. When the battery is charged, the blue LED turns off.

☞ Warning: The power supplied by the charger must be between a minimum of 0.4 watts, which the radio equipment needs, and a maximum of 5 watts to achieve maximum charging speed.

Only use the original battery supplied with the radio.

Do not short-circuit the battery terminals.

Do not dispose of the battery in a fire, risk of explosion.

Do not open the battery case.

Charge the battery in ambient conditions with a temperature between 0 - +40°C. Outside this temperature range, the battery may not charge completely.

Turn off the radio while charging the battery. Leaving the radio on may affect the correct charging of the battery.

Do not disconnect the battery during the charging process, as this may affect the correct charging of the battery.

When the battery life has expired, replace the battery with a similar one or contact the manufacturer or distributor of the radio.

Do not charge the battery if it is not discharged. This may cause a reduction in the battery life.

Do not charge the battery if it or the radio is wet.

Main features

200 channels

Interband communication

1750 Hz tone

Emergency alert

FM radio
Channel scan
CTCSS / DCS scan
Keypad lock
LED flashlight
Programmable via PC
Busy channel lock (BCL)
Voice activated transmission (VOX)
Dual channel monitoring (Dual Watch)
Timer limit transmission (TOT)
Reset
Voice prompt
Display channel number, frequency, channel name
Select transmission power: High, Medium, Low
Quick copy of a channel
10 emergency weather channels
Password protection at power-on
AM / FM air band reception
Frequency reverse function
Wide / narrow bandwidth
Frequency offset direction setting
Adjustable squelch level
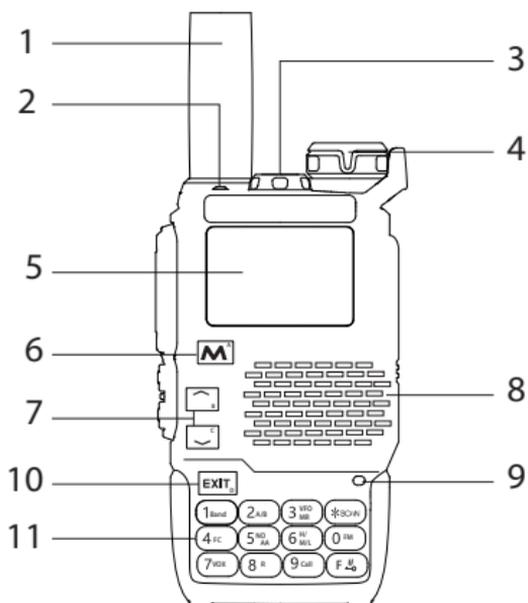Frequency mode / channel mode switching

DTMF call (individual, group, general)

Set automatic time for screen backlight off

Automatic signal search

One-key speed dial

Product presentation

1	Antenna	7	Up/Down
2	LED Indicator	8	Speaker
3	LED flashlight	9	Microphone
4	ON/OFF/Volume	10	Exit/Back

| 5 | LCD screen | 11 | Keyboard |
| 6 | Menu/OK | | |
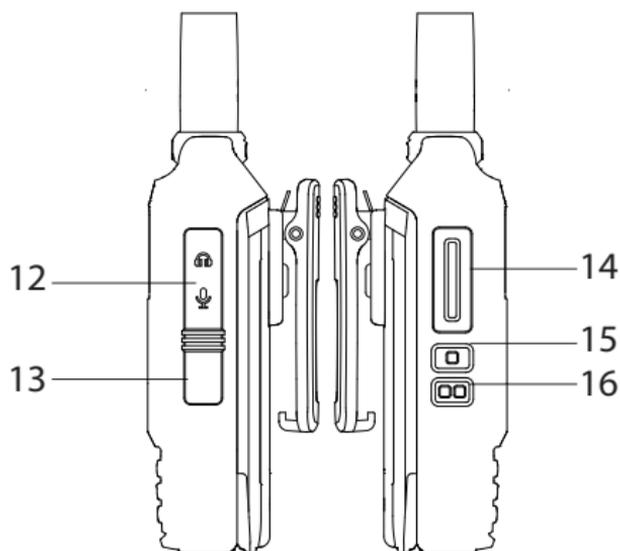
12	PNI-K connector for headphones with microphone and programming cable	15	Side key 1
13	USB-C port	16	Side key 2
14	PTT key		

The LED indicator

| Red LED | Transmission |

Green LED	Reception
Blue LED	On: Charging
	Off: Fully charged

The LCD screen
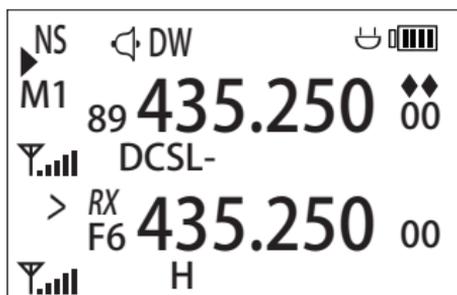
$\mathbf{Y}_{\text{.ıll}}$	Signal indicator
HML	Transmission power indicator: H (high power), M (medium power), L (low power)
CT DCS	CTCSS/DCS code indicator
◁·	Voice prompt active
N	Narrow band active
VOX	VOX function is active
+	Transmission frequency is equal to reception frequency, plus frequency deviation

-	Transmission frequency is equal to reception frequency, minus frequency deviation
DTMF	DTMF function is active
DW	Dual Watch function is active
🔒	Key lock function is active
▯▮▮▮▮	Battery level indicator
►	Main channel indicator
SCR	Voice encryption function is active
R	Frequency reversal function is active
♦♦	List scan 1 and 2.
WX	Cross-band reception/transmission
RX	Reception
TX	Transmission
🔌	Charging in progress via USB-C port
AM	AM modulation
NS	NOAA channel automatic scan
>	Temporary transmission channel indicator when sub-channel receives a call

Key function description

PTT key

Press the PTT key to transmit and release the key to receive.

Side key 1

Short press the key to activate the channel monitoring function.

Long press the key to emit the 1750Hz repeater tone.

Side key 2

Short press the key to turn on the illumination LED.

Long press the key to activate the alarm function. The LED turns red and a continuous alarm sound is heard.

Attention: the functions of side keys 1 and 2 can be customized through the programming software.

M key

Short press the M key to enter the menu.

Long press the M key to return to the last accessed sub-menu.

In DTMF mode, the key has the function of the letter A.

EXIT key

In menu mode, short press to return to the previous sub-menu or long press to exit the menu.

In edit mode, press EXIT key to delete.

In DTMF mode, the key has the function of the letter D.

Up and down keys

In menu mode, press to navigate through sub-menus or options.

In DTMF mode, the keys have the function of the letter B and C respectively.

* SCAN key

Short press the key to enter manual edit mode.

Long press the key to activate the channel or frequency scanning function.

F # key

Long press the key to activate/deactivate the key lock function.

In DTMF mode, the key has the function of the # sign.

Short press the F key together with one of the 0 - 9 keys and * to activate the secondary function of the key:

F + 1	BAND	Change frequency (F1-F7)
F + 2	A/B	Select main channel
F + 3	VFO/MR	Switch between channel mode and frequency mode
F + 4	FC	Enable/Disable fast channel copy
F + 5	NOAA	Switch to weather channels
F + 6	H/M/L	Switch between high/medium/low transmit power.
F + 7	VOX	Enable/Disable VOX function
F + 8	R	Enable/Disable frequency inversion function
F + 9	CALL	Enable/Disable CALL function
F + *	SER	Enable CTCSS/DCS code search function
F + 0	FM	Enable/Disable FM Radio function

Menu

Press the M key to enter the menu.

Press the Up and Down keys to navigate through the menu.

Press the M key to enter the selected submenu.

Press the Up and Down keys to navigate through the options

of a submenu and the M key to save.

Short press the EXIT key to return to the previous step.

Long press the EXIT key to exit the menu.

☞ Note: You can quickly access a specific menu by pressing the M key + the corresponding sequence number. For example, press M + 4 to quickly access the R-DCS menu.

Nr	Menu	Description	Options
1	SQL	Squelch level	0 - 9
2	STEP	Frequency step (2.5K/ 5K/ 6.25K/ 10K/ 12.5K/ 25K)	0 - 5
3	TXP	Transmit power (LOW/ MID/ HIGH)	0 - 2
4	R_DCS	DCS on receive (OFF, 1-104: DCS, 105-208: DCS inverted). Press F+* to activate DCS scan.	0 - 208
5	R_CTCS	CTCSS on receive (OFF, 1-50: CTCSS). Press F+* to activate CTCSS scan.	0 - 50
6	T_DCS	DCS on transmit (OFF, 1-104: DCS, 105-208: DCS inverted)	0 - 208

7	T_CTCS	CTCSS on transmit (OFF, 1-50: CTCSS)	0 - 50
8	SFT-D	Frequency deviation (OFF: TX frequency = RX frequency / ADD: TX frequency = RX frequency + frequency deviation / SUB: TX frequency = RX frequency - frequency deviation)	0 - 2
9	OFFSET	Frequency deviation offset (0 - 999.9999M)	
10	W/N	Bandwidth (0: WIDE/ 1: NARROW)	0 - 1
11	SCR	Encrypted communication (OFF, 1 - 10: 1 - 10 voice encryption modes)	0 - 10
12	BCL	Busy Channel Lock (OFF, ON)	0 - 1
13	MEM-CH	Channel save (choose channel, press M key to save channel)	
14	SAVE	Battery saver, active/sleep ratio (OFF/ 1:1/ 1:2/ 1:3/ 1:4)	0 - 4
15	VOX	VOX (OFF/ Level 1 - 10)	0 - 10

16	ABR	Auto Backlight Off (OFF, 1 - 5s)	0 - 5
17	TDR	Dual Watch (OFF, CHAN-A: Default TX channel is channel A, CHAN-B: Default TX channel is channel B)	
18	WX	Cross-Band receive/ transmit (OFF/ CHAN_A: TX channel is channel A/ CHAN_B: TX channel is channel B)	0 - 2
19	BEEP	Key tone (OFF, ON)	0 - 1
20	TOT	Time-Out-Timer (1 - 10 min)	1 - 10
21	VOICE	Voice prompt (OFF, CHI: Chinese, ENG: English)	0 - 2
22	SC-REV	Scan mode (TO: Resume scanning after 5 seconds of pause/ CO: Resume scanning after signal disappears/ SE: Stop scanning after signal is found.)	0 - 2

23	MDF	Channel Display Mode (FREQ: Frequency display, CH: Channel number display, NAME: Channel name display)	0 - 2
24	AUTOLK	Auto Key Lock (OFF,ON)	0 - 1
25	S-ADD1	Add to Scan List 1 (OFF, ON)	0 - 1
26	S-ADD2	Add to Scan List 2 (OFF, ON)	0 - 1
27	STE	Remove End Tone (OFF,ON)	0 - 1
28	RP-STE	Remove Repeater End Tone (OFF,ON)	0 - 1
29	MIC	Microphone Sensitivity (Level 0-4)	0 - 4
30	1-CALL	One-Key Channel Speed Dial (Select Channel)	
31	S-LIST	Select Scan List (LIST1, LIST2)	1 - 2
32	SLIST1	Configure scan list 1	
33	SLIST2	Configure scan list 2	
34	AL-MOD	Alarm mode (SITE: local alarm/ TONE: local+remote alarm)	0 - 1

35	ANI-ID	ANI-ID, DTMF	
36	UPCODE	DTMF UP CODE	
37	DWCODE	DTMF DOWN CODE	
38	D-ST	DTMF Local Tone (OFF, ON)	0 - 1
39	D-RSP	DTMF decoding response (NULL: off, Ring: local audible alarm, REPLY: auto answer, both: local audible alarm + auto answer)	0 - 3
40	D-HOLD	DTMF automatic reset (5s-60s)	5 - 60
41	D-PRE	DTMF pre-charge (30-990ms)	3 - 99
42	PTT-ID	DTMF PTT-ID TX mode (OFF, BOT: press PTT to send UP CODE, EOT: release PTT to send DOWN CODE, BOTH: press or release PTT to send)	0 - 3
43	D-DCD	DTMF decoding enable (OFF, ON)	0 - 1

44	D-LIST	DTMF contact list (choose contact, press M key to select and call directly)	1 - 16
45	PONMSG	Station power-on display (FULL: display full information, MSG: display greeting message, VOL: display battery voltage)	0 - 2
46	ROGER	Roger Beep (OFF, ROGER: with end of transmission warning, MDC: end of transmission sound)	0 - 2
47	VOL	Battery voltage	0 - 1
48	AM	AM mode (ON, OFF. Only for 108-136MHz)	0 - 1
49	NOAA_S	NOAA channel scan (ON/OFF)	
50	DEL_CH	Delete channel (select channel and press M key)	
51	RESET	Reset (VFO: parameter reset/ ALL: full reset)	0 - 1

Main channel selection

Press F + 2 to select the main channel. The ► cursor will indicate the selected frequency/channel.

Press the PTT key to transmit on the main channel.

If the subchannel receives a call, it is indicated by the > symbol and temporarily becomes the channel for transmission.

Channel mode/Frequency mode

Press F + 3 to switch between channel mode and frequency mode.

Frequency Mode: In this mode, the RX frequency can be entered manually. Also, the frequency can be changed by pressing the Up and Down keys according to the set step. The parameters can be changed through the menu.

In frequency mode, the TX frequency cannot be entered manually. To change the TX frequency, the offset frequency or the offset frequency direction can be set.

Channel Mode: In this mode, you can manually enter the channel number. Also, you can reach the desired channel by pressing the Up and Down keys. The parameters can be changed through the menu.

Cross-band transmit/receive

Enter menu 18 WX (M + 18).

OFF: When channel A or channel B receives a valid call, the channel automatically becomes the transmit channel until the end of the call.

CHAN_A: No matter which channel receives a valid call, the default TX channel is channel A, displaying the character "DW".

CHAN_B: No matter which channel receives a valid call, the default TX channel is channel B, displaying the character "DW".

Save channel

In MR mode, it is possible to save the channel. You can copy the current channel to a new channel.

In VFO mode, you need to set the parameters for RX frequency, frequency deviation direction, bandwidth, RX/TX CTCSS/DCS, TX transmit power, whether or not it is included in the scan, DTMF code, scrambler, etc.

Enter menu 13 MEM-CH → CH-001, then press M key again to enter channel save mode. Choose the channel by using Up/Down key or use numeric keypad to input the channel number.

After that, press M key again, the screen will display "SURE?" (are you sure?). Press M key to save the channel.

When you select a channel, if CH-XXX appears, then the channel is saved. If only XXX appears, then the channel is empty.

Delete channel

Enter menu 50 DEL_CH → CH-001, then press M key again to enter channel delete mode. Choose the channel by using Up/Down key or use numeric keypad to input the channel number.

After that, press M key again, the screen will display "SURE?" (are you sure?). Press M key to delete the channel.

TX/RX CTCSS/DCS

Enter the menus 4 (R-DCS), 5 (R-CTCS), 6 (T-DCS), 7 (T-CTCS) to select the CTCSS/DCS code/tone.

Quick channel copy

This function requires strong signal. Both the transmitter and receiver must have antenna installed.

The distance between them should not be too far.

Press F + 4 key, the receiver will enter the frequency measurement interface.

When receiving a strong signal, the LCD screen will display the signal carrier frequency and the transmission channel (CTCSS or DCS).

Press * key to remeasure the frequency.

After the frequency is measured, press M key to save the frequency and the CTCSS/DCS transmission code in the selected channel.

During frequency measurement, press EXIT or PTT to exit the frequency measurement mode.

CTCSS/DCS auto search

First set the receiving frequency, then press F + * key to start channel search.

When the radio receives a valid CTCSS/DCS signal, it will display the found TX CTCSS/DCS code on the screen.

Press M key to save the found CTCSS/DCS code on the current channel.

If the screen displays SCAN CMP, it means the radio has found a valid CTCSS/DCS signal and stopped the automatic search.

If the screen displays SCAN FAIL, it means the radio has not found any valid CTCSS/DCS signal and stopped the automatic search.

DTMF Call

Manual Call: Press the PTT key and the numeric key on the keypad to make the call.

Automatic Call: Press the * key, enter 3 digits, then short

press the PTT key to start the DTMF call. When transmitting, the radio automatically sends its own ID number.

Individual Call: Send the other party's ID plus your own ID.

For example: 123 * 100 means ID 100 calls ID 123.

Group Call: Use a group code instead of one or more digits of the ID number to call a communication group. The group call code must be set in the programming software.

For example, if the group code is set as #, send 12# to call 10 stations with IDs 120–129, and if you send 1##, you can call 100 stations with IDs 100–199.

General call: Send ### as the group call code to call all users.

DTMF reception

Press M → 43 → DCD ON. When the received code is the DTMF personal ID, the decoding is successful and you can communicate with the other party within the reset interval.

When the reset time expires, you need to perform the decoding again.

M → 40 → D-HOLD 5S: Set the automatic reset time. The initial value is 5 seconds.

M → 39 → D-RSP: Set the automatic answer after receiving a DTMF call.

NULL: disabled

RING: local ring

REPLY: auto redial

BOTH: local ring + auto redial

PTTID

Configure the online DTMF code and offline DTMF code through the programming software.

When the online code and offline code are enabled, the radio will send the online code when pressing the PTT key, and send the offline code when releasing the PTT key.

Channel scan

Method 1: Long press the * key to start/stop scanning.

Method 2: Set one of the side keys as the key to start/stop scanning through the programming software.

Frequency Scan: During scanning, you can change the scanning direction with the Up/Down keys. Press the PTT key or the Exit key to stop scanning, or long press the Key to exit scanning.

Channel Scan: When scanning starts, the radio will scan the channels in the scan list in order. During scanning, you can answer an incoming call by pressing the PTT key.

Press M → 31 → S-List LIST1 or LIST2 to scan the specified channel list.

Press M → 32 → SLIST1 to view the channels in LIST1.

Press M → 33 → SLIST2 to view the channels in LIST2.

Press M → 25 → S-ADD1 to add the current channel to the LIST1 scan list.

Press M → 26 → S-ADD2 to add the current channel to the LIST2 scan list.

Press M → 22 → SC-REV to select the scan mode.

Priority scan

You can set a priority scan channel. During scanning, 50% of the scan time is allocated to priority 1 channels. If there are priority 2 channels, the percentage allocated to priority 1 channels decreases from 50% to 25%.

Even if the scan is on non-priority channels or priority 2 channels, the station continues to monitor the activity of priority 1 channels. If the station detects activity on priority 1 channels, it will stop the current transmission and call the priority 1 channel.

Emergency Alarm

Emergency alarm is used to signal emergency situations. You can initiate emergency calls at any time, in any mode the radio is in and even if there is activity on the current channel. Users must configure the emergency alarm button for this station using the programming software.

Press the emergency alarm key to start the local audible alarm and send a remote alarm signal. The alarm type can

be set as local alarm or remote alarm.

Exit the alarm mode by pressing any key.

Press M → 34 → AL-MOD TONE, the station will sound the alarm sound and send the alarm signal to the remote.

Press M → 34 → AL-MOD SITE, the station will sound the alarm sound.

FM Radio

Press F+0 key to enter FM Radio mode.

Press Up and Down keys to change the FM frequency or preset channels.

You can also directly enter the FM frequency or channel using the numeric keypad.

Press EXIT or F+0 to exit FM mode.

FM Radio Search

Automatic Search: Press F + 2. The radio will automatically search for FM channels and store them (maximum 20 channels).

Manual Search: Press F + 3. You can manually search for FM channels by pressing the Up and Down keys and store them manually by pressing the M key.

Press the M key to exit the FM radio channel search mode.

If the radio is receiving or if you want to transmit (by pressing PTT), the FM mode will be temporarily interrupted until the communication is completed.

Weather emergency channel reception

Press F + 5 to access the weather channels (10 channels). Access to weather channels can be disabled by accessing menu 49 NOAA_S.

Keypad lock

Long press the # key to lock/unlock the keys. When the function is active, the side keys remain functional.

Reset

Access menu 51 RESET.

Select VFO if you want to keep the memorized channels and ALL if you want to reset both the parameters and the memorized channels. Press the M key to confirm the selection and wait for the radio to restart.

One-key channel call

Press the F + 9 key to quickly switch to one-key call mode. Set the preferred channel for quick call in menu 30 1-CALL.

Aviation channel reception

Enter the reception frequency. If the local aviation frequency is not clear, the scan function can scan the entire frequency band 108-136.

M → 48 → AM ON: Set AM modulation to listen to aviation

communications. Menu 48 settings are only valid for the frequency band 108-136.

M → 48 → AM OFF: Set FM modulation.

Technical specifications

Power supply		Li-Ion battery 7.2V 2200mAh
Channels		200
FM radio channel memories		20
NOAA channels		10
Frequency stability		±1ppm
Modulation mode		FM: 11КФF3E (12.5KHz), 16КФF3E (25KHz)
Dimensions		60 x 45 x 105 mm
Weight		243 g
Operating temperature		-26 ~ 80°C
Antenna impedance		50Ω
Reception		
Sensitivity FM (12dB SINAD)	F1 (50~76)	-121dBm
	F2 (108~135.9975)	-121dBm

Sensitivity FM (12dB SINAD)	F3 (136~173.9975)	-123dBm
	F4 (174~349.9975)	-123dBm
	F5 (350~399.9975)	-123dBm
	F6 (400~469.9975)	-123dBm
	F7 (470~599.9975)	-121dBm
Sensitivity WFM (20dB SINAD)	WFM (76~108)	-110dBm
Sensitivity AM(10dB S/N)	F2 (108~135.9975)	-113dBm
Audio Frequency	≥0.5W	
Audio Distortion	≤10%	
Transmission		
Frequency range	VHF 144~146MHz UHF 430~440MHz	
Transmission power	≤5W	
Current	≤1.5A	
Maximum frequency deviation	≤5KHz(25KHz) ≤2.5KHz(12.5KHz)	
Modulation distortion	≤5%	
Stray power	≤7.5uW	

Adjacent channel power	70dB(25KHz)
	60dB(12.5KHz)
Residual modulation	40dB

Pentru a evita defectarea dispozitivului si ranirea personala, va rugam sa cititi cu atentie acest manual.

Nu folositi statia radio fara antena sau cu antena defecta. Atingerea unei antene defecte ar putea cauza o arsura minora la nivelul pielii.

Nu emiteti mai mult de 50% din timpul de utilizare al statiei.

Pentru a emite, apasati tasta Push-to-Talk (PTT). Pentru a receptiona, eliberati tasta [PTT].

Tineti statia radio la distanta de cel putin 2,5 cm de fata. Expunerea la RF scade odata cu distanta fata de antena. Antena trebuie tinuta departe de fata si ochi.

Cand statia radio este purtata pe corp, folositi intotdeauna clema furnizata in pachet.

Este interzisa folosirea altor accesorii decat a celor recomandate de producator, intrucat acestea ar putea incalca regulamentele de folosire in siguranta a dispozitivelor RF.

Aceasta statie respecta normativele si legile europene.

Nu folositi statia radio in locuri unde sunt depozitati combustibili, substante chimice si alte materiale explozive.

Nu folositi statia radio in apropierea echipamentelor medicale sau electronice, sensibile la semnalele RF.

Nu folositi statia radio in timp ce conduceti.

Nu folositi statia timp indelungat cu volumul la maxim.

Nu lasati statia radio si accesoriile acesteia la indemana copiilor sau a animalelor de companie.

Utilizarea acestei statii radio necesita detinerea unei licente de emisie pe frecventele VHF/UHF.

Incarcare acumulator

Acumulatorul nu vine incarcat din fabrica. Va rugam sa-l incarcati inainte de utilizarea statiei.

Abia dupa repetarea ciclului de incarcare/descarcare de 2-3 ori, acumulatorul ajunge la capacitatea maxima.

Sunt doua moduri de a incarca acumulatorul, prin baza de incarcare sau prin portul USB-C:

1. Pozitionati statia cu acumulatorul instalat sau doar acumulatorul in baza de incarcare. Conectati baza de incarcare la o sursa de curent de 230V. Pe durata incarcarii acumulatorului, LED-ul de pe baza de incarcare este rosu. Cand acumulatorul este incarcat, LED-ul se stinge.

2. Conectati un cablul USB in portul USB-C de pe lateralul statiei radio. Adaptorul USB 230V - 5V se achizitioneaza separat. Pe durata incarcarii acumulatorului, LED-ul de pe statie se aprinde albastru. Cand acumulatorul este incarcat, LED-ul albastru se stinge.

☞ Atentionare: Puterea furnizata de incarcator trebuie se situeze intre minimum 0.4 wati, de care are nevoie echipamentul radio si maximum 5 wati pentru a atinge viteza maxima de incarcare.

Utilizati doar acumulatorul original furnizat impreuna cu statia radio.

Nu scurtcircuitati terminalele acumulatorului.

Nu aruncati acumulatorul in foc, risc de explozie.

Nu desfaceti carcasa acumulatorului.

Incarcati acumulatorul in conditii de mediu cu temperatura cuprinsa intre 0 - +40°C. In afara acestui interval de temperatura, acumulatorul s-ar putea incarca incomplet.

Opriti statia pe durata incarcarii acumulatorului. Daca tineti statia pornita ar putea afecta incarcarea corecta a acumulatorului.

Nu deconectati acumulatorul in timpul procesului de incarcare, intrucat ar putea afecta incarcarea corecta a acestuia.

Cand durata de viata a acumulatorului a expirat, inlocuiti acumulatorul cu unul similar sau contactati producatorul sau distribuitorul statiei radio.

Nu incarcati acumulatorul daca nu este descarcat. Aceasta ar putea cauza reducerea duratei de viata a acumulatorului.

Nu incarcati acumulatorul daca acesta sau statia radio este umeda.

Caracteristici principale

200 canale
Comunicare intre benzi diferite
Ton de apel 1750 Hz
Alerta de urgenta
Radio FM
Scanare canale
Scanare CTCSS / DCS
Blocare tastatura
LED iluminare
Programabila prin PC
Blocare canal ocupat (BCL)
Activare vocala emisie (VOX)
Monitorizare doua canale (Dual Watch)
Temporizator limitare emisie (TOT)
Resetare
Ghid vocal
Afisare numar canal, frecventa, nume canal
Selectare putere de emisie: Inalta, Medie, Joasa
Copiere rapida a unui canal
10 canale meteorologice de urgenta
Protectie prin parola la pornire

Receptie banda aviatie AM/FM

Functie de frecventa inversa

Latime de banda larga/ingusta

Setare directie offset frecventa

Nivel squelch reglabil

Comutare mod frecventa / mod canal

Apel DTMF (individual, grup, general)

Setare timp automat pentru inchidere iluminare ecran

Cautare automata semnal

Apel rapid canal printr-o singura tasta

Prezentare produs
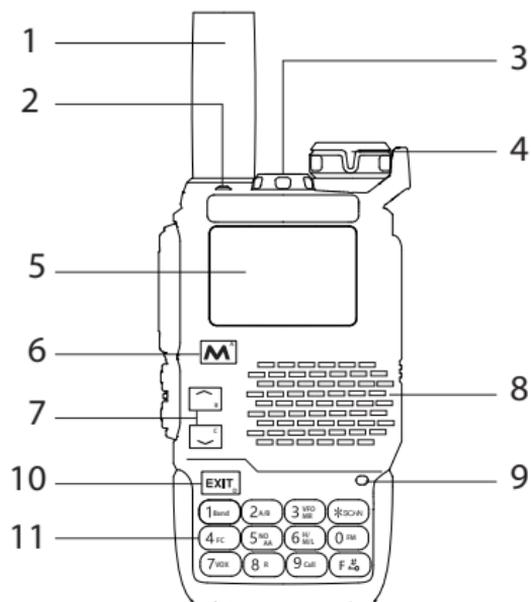
1	Antena	7	Sus/Jos
2	LED indicator	8	Difuzor
3	LED iluminare	9	Microfon
4	ON/OFF/Volum	10	Iesire/Inapoi
5	Ecran LCD	11	Tastatura
6	Meniu/Confirmare	-	-
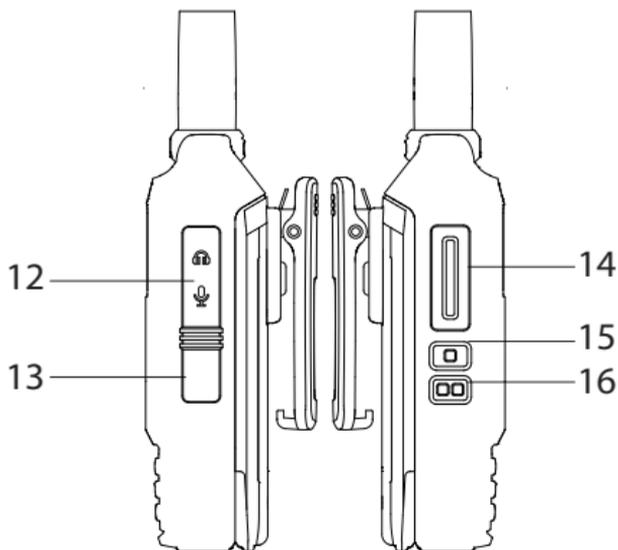
12	Conector tip PNI-K pentru casti cu microfon si cablu de programare	15	Tasta laterala 1
13	Port USB-C	16	Tasta laterala 2

| 14 | Tasta PTT | - | - |

LED rosu	Emisie
LED verde	Receptie
LED albastru	Aprins: incarcare in curs
	Stins: incarcare completa

Descriere pictograme ecran
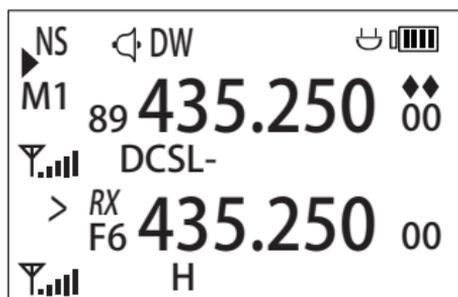
$Y_{.dl}$	Indicator semnal
HML	Indicator putere de emisie: H (putere mare), M (putere medie), L (putere mica)
CT DCS	Indicator cod CTCSS/DCS
◁	Promp vocal activ

N	Banda ingusta activa
VOX	Functia VOX este activa
+	Frecventa de emisie este egala cu frecventa de receptie, plus deviatia de frecventa
-	Frecventa de emisie este egala cu frecventa de receptie, minus deviatia de frecventa
DTMF	Functia DTMF este activa
DW	Functia Dual Watch este activa
🔑	Functia blocare taste este activa
🔋	Indicator nivel baterie
►	Indicator canal principal
SCR	Functia criptare voce este activa
R	Functia inversare frecventa este activa
♦♦	Scanare lista 1 si 2.
WX	Receptie/Emisie cross-band
RX	Receptie
TX	Emisie
🔌	Incarcare in curs prin portul USB-C
AM	Modulatie AM

NS	Scanare automata canale NOAA
>	Indicator canal temporar de emisie cand sub-canalul primeste un apel

Descriere functii taste

Tasta PTT

Apasati tasta PTT pentru a emite si eliberati tasta pentru a receptiona.

Tasta laterala 1

Apasati scurt tasta pentru a activa functia de monitorizare canal.

Apasati lung tasta pentru a emite tonul repetor de 1750Hz.

Tasta laterala 2

Apasati scurt tasta pentru a aprinde LED-ul de iluminare.

Apasati lung tasta pentru a activa functia de alarma. LED-ul devine rosu si se aude un sunet continuu de alarma.

☞ Atentionare: functiile tastelor laterale 1 si 2 pot fi personalizate prin software-ul de programare.

Tasta M [A]

Apasati scurt tasta M pentru a accesa meniul.

Apasati lung tasta M pentru a reveni la ultimul sub-meniu accesat.

In modul DTMF, tasta are functia literei A.

Tasta EXIT [D]

In modul meniu, apasati scurt pentru a reveni la sub-meniul anterior sau apasati lung pentru a iesi din meniu.

In modul de editare, apasati tasta EXIT pentru a sterge.

In modul DTMF, tasta are functia literei D.

Tastele cu sageti sus si jos

In modul meniul, apasati pentru a naviga printre sub-meniuri sau optiuni.

In modul DTMF, tastele au functia literei B si respectiv, C.

Tasta * SCAN

Apasati scurt tasta pentru a intra in modul de editare manuala.

Apasati lung tasta pentru a activa functia de scanare a canalelor sau frecventelor.

Tasta F #

Apasati lung tasta pentru a activa/dezactiva functia de blocare a tastelor.

In modul DTMF, tasta are functia semnului #.

Apasati scurt tasta F impreuna cu una dintre tastele 0 - 9 si * pentru a activa functia secundara a tastei:

F + 1	BAND	Schimbare frecventa (F1-F7)
F + 2	A/B	Selectare canal principal
F + 3	VFO/MR	Comutare intre mod canal si mod frecventa
F + 4	FC	Activare/Dezactivare copiere rapida canal
F + 5	NOAA	Comutare pe canalele meteo
F + 6	H/M/L	Comutare intre putere de emisie mare/medie/mica.
F + 7	VOX	Activare/Dezactivare functie VOX
F + 8	R	Activare/Dezactivare functie inversare frecventa
F + 9	CALL	Activare/Dezactivare functie CALL
F + *	SER	Activeaza functia de cautare coduri CTCSS/DCS

F + 0	FM	Activare/Dezactivare functie Radio FM

Meniu

Apasati tasta M pentru a accesa meniul.

Apasati tastele Sus si Jos pentru a naviga prin meniu.

Apasati tasta M pentru a intra in submeniul selectat.

Apasati tastele Sus si Jos pentru a naviga printre optiunile unui submeniu si tasta M pentru a salva.

Apasati scurt tasta EXIT pentru reveni la pasul anterior.

Apasati lung tasta EXIT pentru a iesi din meniu.

☞ Atentionare: Puteti accesa rapid un anumit meniu, apasand tasta M + numarul de ordine corespunzator. De exemplu, apasati M + 4 pentru a accesa rapid meniul R-DCS.

Nr	Meniu	Descriere	Optiuni
1	SQL	Nivel squelch	0 - 9
2	STEP	Pas frecventa (2.5K/ 5K/ 6.25K/ 10K/ 12.5K/ 25K)	0 - 5
3	TXP	Putere de emisie (LOW/ MID/ HIGH)	0 - 2

4	R_DCS	DCS pe receptie (OFF, 1-104: DCS, 105-208: DCS inversat). Apasati F+* pentru activare scanare DCS.	0 - 208
5	R_CTCS	CTCSS pe receptie (OFF, 1-50: CTCSS). Apasati F+* pentru activare scanare CTCSS.	0 - 50
6	T_DCS	DCS pe emisie (OFF, 1-104: DCS, 105-208: DCS inversat)	0 - 208
7	T_CTCS	CTCSS pe emisie (OFF, 1-50: CTCSS)	0 - 50
8	SFT-D	Deviatie frecventa (OFF: frecventa TX = frecventa RX / ADD: frecventa TX = frecventa RX + deviatie frecventa / SUB: frecventa TX = frecventa RX - deviatie frecventa)	0 - 2
9	OFFSET	Deviatie frecventa (0 - 999.9999M)	
10	W/N	Latime de banda (0: WIDE/ 1: NARROW)	0 - 1

11	SCR	Comunicatie criptata (OFF, 1 - 10: 1 - 10 moduri de criptare vocala)	0 - 10
12	BCL	Busy Channel Lock (OFF, ON)	0 - 1
13	MEM-CH	Salvare canal (alegeti canalul, apasati tasta M pentru a salva canalul)	
14	SAVE	Economizor baterie, raport activ/repaus (OFF/ 1:1/ 1:2/ 1:3/ 1:4)	0 - 4
15	VOX	VOX (OFF/ Nivel 1 - 10)	0 - 10
16	ABR	Stingere automata lumina fundal (OFF, 1 - 5s)	0 - 5
17	TDR	Dual Watch (OFF, CHAN-A: canalul TX implicit este canalul A, CHAN-B: canalul TX implicit este canalul B)	
18	WX	Receptie/Emisie Cross-Band (OFF/ CHAN_A: canalul TX este canalul A/ CHAN_B: canalul TX este canalul B)	0 - 2
19	BEEP	Sunet taste (OFF, ON)	0 - 1

20	TOT	Time-Out-Timer (1 - 10 min)	1 - 10
21	VOICE	Prompt vocal (OFF, CHI: Chinese, ENG: English)	0 - 2
22	SC-REV	Mod scanare (TO: reia scanarea dupa 5 secunde de pauza/ CO: reia scanarea dupa ce dispare semnalul/ SE: opreste scanarea dupa gasirea semnalului.)	0 - 2
23	MDF	Mod afisare canal (FREQ: afisare frecventa, CH: afisare numar canal, NAME: afisare nume canal)	0 - 2
24	AUTOLK	Blocare automata taste (OFF,ON)	0 - 1
25	S-ADD1	Adaugare in lista de scanare 1 (OFF, ON)	0 - 1
26	S-ADD2	Adaugare in lista de scanare 2 (OFF, ON)	0 - 1
27	STE	Eliminare ton final (OFF,ON)	0 - 1
28	RP-STE	Eliminare ton final repetor (OFF,ON)	0 - 1

29	MIC	Sensibilitate microfon (nivel 0-4)	0 - 4
30	1-CALL	Apelare rapida canal cu o singura tasta (selectati canalul)	
31	S-LIST	Selectare lista scanare (LIST1, LIST2)	1 - 2
32	SLIST1	Configurare lista de scanare 1	
33	SLIST2	Configurare lista de scanare 2	
34	AL-MOD	Mod alarma (SITE: alarma locala/ TONE: alarma locala+la distanta)	0 - 1
35	ANI-ID	ANI-ID, DTMF	
36	UPCODE	DTMF UP CODE	
37	DWCODE	DTMF DOWN CODE	
38	D-ST	Ton local DTMF (OFF, ON)	0 - 1

39	D-RSP	Raspuns decodare DTMF (NULL: inchis, Ring: alarma sonora locala, REPLY: raspuns automat, both: alarma sonora locala + raspuns automat)	0 - 3
40	D-HOLD	Resetare automata DTMF (5s-60s)	5 - 60
41	D-PRE	Pre-incarcare DTMF (30-990ms)	3 - 99
42	PTT-ID	Mod DTMF PTT-ID TX (OFF, BOT: apasa PTT pentru a trimite UP CODE, EOT: elibereaza PTT pentru a trimite DOWN CODE, BOTH: apasa sau elibereaza PTT pentru a trimite)	0 - 3
43	D-DCD	Activare decodare DTMF (OFF, ON)	0 - 1
44	D-LIST	Lista contacte DTMF (alegeti contactul, apasati tasta M pentru a selecta si apela direct)	1 - 16

45	PONMSG	Afisare la pornire statie (FULL: afisare informatii complete, MSG: afisare mesaj de intampinare, VOL: afisare tensiune baterie)	0 - 2
46	ROGER	Roger Beep (OFF, ROGER: cu avertizare final emisie, MDC: sunet de final emisie)	0 - 2
47	VOL	Tensiune baterie	0 - 1
48	AM	Mod AM (ON,OFF. Doar pentru 108-136MHz)	0 - 1
49	NOAA_S	Scanare canale NOAA (ON/OFF)	
50	DEL_CH	Stergere canal (alegeti canalul si apasati tasta M)	
51	RESET	Resetare (VFO: resetare parametri/ ALL: resetare completa)	0 - 1

Instructiuni operare

Selectare canal principal

Apasati tasta F + 2 pentru a selecta canalul principal.

Cursorul ► va indica frecventa/canalul selectat.

Apasati tasta PTT pentru a emite pe canalul principal.

Daca subcanalul primeste un apel, acesta este indicat cu simbolul > si devine temporar canal pentru emisie.

Selectare mod canal/mod frecventa

Apasati tasta F + 3 pentru a comuta intre mod canal si mod frecventa.

Mod frecventa: In acest mod, frecventa RX poate fi introdusa manual. De asemenea, frecventa poate fi modificata apasand tastele Sus si Jos in functie de pasul setat. Parametrii pot fi modificati prin meniu.

In modul frecventa, frecventa TX nu poate fi introdusa manual. Pentru a schimba frecventa TX, se poate seta frecventa offset sau directia frecventei offset.

Mod canal: In acest mod, puteti introduce manual numarul canalului. De asemenea, puteti ajunge la canalul dorit apasand tastele Sus si Jos. Parametrii pot fi modificati prin meniu.

Emisie/Receptie intre benzi (cross-band)

Accesati meniul 18 WX (M + 18).

OFF: Cand canalul A sau canalul B primeste un apel valid, canalul devine automat canalul de emisie pana la finalul apelului.

CHAN_A: Indiferent ce canal primeste un apel valid, canalul TX implicit este canalul A, afisand caracterul „DW".
CHAN_B: Indiferent ce canal primeste un apel valid, canalul TX implicit este canalul B, afisand caracterul „DW".

Salvare canal

In modul MR este posibila salvarea canalului. Puteti copia canalul curent pe un canal nou.

In modul VFO trebuie sa setati parametrii pentru frecventa RX, directia deviatiei de frecventa, latimea de banda, RX/TX CTCSS/DCS, puterea de emisie TX, daca este inclus sau nu la scanare, codul DTMF, scrambler-ul, etc.

Accesati meniul 13 MEM-CH → CH-001, apoi apasati din nou tasta M pentru a intra in modul de salvare canal. Alegeti canalul folosind tasta Sus/Jos sau folositi tastatura numerica pentru a introduce numarul canalului.

Dupa aceea, apasati din nou tasta M, ecranul va afisa mesajul "SURE?" (sunteti sigur?). Apasati tasta M pentru a salva canalul.

Cand selectati un canal, daca apare CH-XXX, atunci canalul este salvat. Daca apare doar XXX, atunci canalul este gol.

Stergere canal

Accesati meniul 50 DEL_CH → CH-001, apoi apasati din nou tasta M pentru a intra in modul de stergere canal. Alegeti canalul folosind tasta Sus/Jos sau folositi tastatura

numerica pentru a introduce numarul canalului.

Dupa aceea, apasati din nou tasta M, ecranul va afisa mesajul "SURE?" (sunteti sigur?). Apasati tasta M pentru a sterge canalul.

TX/RX CTCSS/DCS

Accesati meniurile 4 (R-DCS), 5 (R-CTCS), 6 (T-DCS), 7 (T-CTCS) pentru a selecta codul/tonul CTCSS/DCS.

Copiere rapida canal

Aceasta functie necesita semnal puternic. Atat emitatorul, cat si receptorul trebuie sa aiba antena instalata. Distanta dintre ele nu trebuie sa fie prea mare.

Apasati tasta F + 4, receptorul va intra in interfata de masurare a frecventei.

Cand receptioneaza un semnal puternic, ecranul LCD va afisa frecventa purtatoare a semnalului si canalul de transmisie (CTCSS sau DCS).

Apasati tasta * pentru a remasura frecventa.

Dupa ce frecventa este masurata, apasati tasta M pentru a salva frecventa si codul CTCSS/DCS de transmisie in canalul selectat.

In timpul masurarii frecventei, apasa EXIT sau PTT pentru a iesi din modul de masurare a frecventei.

Mai intai setati frecventa de receptie, apoi apasati tasta F + * pentru a porni cautarea canalului.

Cand statia receptioneaza un semnal CTCSS/DCS valid, va afisa pe ecran codul TX CTCSS/DCS gasit.

Apasa tasta M pentru a salva codul CTCSS/DCS gasit pe canalul curent.

Daca ecranul afiseaza SCAN CMP, inseamna ca statia a gasit un semnal CTCSS/DCS valid si a oprit cautarea automata.

Daca ecranul afiseaza SCAN FAIL, inseamna ca statia nu a gasit niciun semnal CTCSS/DCS valid si a oprit cautarea automata.

Apelare DTMF

Apelare manuala: Apasati tasta PTT si tasta numerica de pe tastatura pentru a efectua apelul.

Apelare automata: Apasati tasta *, introduceti 3 cifre, apoi apasati scurt tasta PTT pentru a porni apelul DTMF. In emisie, statia trimite automat propriul numar de identificare.

Apel individual: Trimiteti ID-ul celeilalte parti plus propriul ID.

De exemplu: 123 * 100 inseamna ca ID 100 apeleaza ID 123.

Apel de grup: Folositi un cod de grup in locul uneia sau

mai multor cifre din numarul ID, pentru a apela un grup de comunicare. Codul de apel de grup trebuie setat din software-ul de programare.

De exemplu, daca codul de grup este setat ca #, trimiteti 12# pentru a apela 10 statii cu ID-urile 120–129, iar daca trimiteti 1##, puteti apela 100 de statii cu ID-urile 100–199.

Apel general: Trimiteti ### ca si cod de apel de grup pentru a apela toti utilizatorii.

Receptie DTMF

Apasati tasta M → 43 → DCD ON. Cand codul receptionat este ID-ul personal DTMF, decodarea are loc cu succes si puteti comunica cu cealalta parte in intervalul de resetare.

Cand timpul de resetare expira, este necesar sa efectuati din nou decodarea.

- M → 40 → D-HOLD 5S: Setati timpul de resetare automata. Valoarea initiala este 5 secunde.
- M → 39 → D-RSP: Setati raspunsul automat dupa primirea unui apel DTMF.

NULL: dezactivat

RING: sonerie locala

REPLY: reapelare automata

BOTH: sonerie locala + reapelare automata

Configurati codul DTMF online si codul DTMF offline prin software-ul de programare.

Cand codul online si codul offline sunt activate, statia va trimite codul online la apasarea tastei PTT si va trimite codul offline la eliberarea tastei PTT.

Scanare canale

Metoda 1: Apasati lung tasta * pentru a porni/opri scanarea.

Metoda 2: Setati prin software-ul de programare una dintre tastele laterale ca tasta pentru pornirea/oprirea scanarii.

Scanare frecventa: In timpul scanarii, puteti schimba directia de scanare cu tastele Sus/Jos. Apasati tasta PTT sau tasta Iesire pentru a opri scanarea, sau apasati lung Tasta pentru a iesi din scanare.

Scanare canale: La pornirea scanarii, statia va scana canalele din lista de scanare in ordine. In timpul scanarii, puteti raspunde la un apel primit prin apasarea tastei PTT.

- Apasati M → 31 → S-List LIST1 sau LIST2 pentru a scana lista de canale specificata.
- Apasati M → 32 → SLIST1 pentru a vizualiza canalele din LIST1.
- Apasati M → 33 → SLIST2 pentru a vizualiza canalele din LIST2.

- Apasati M → 25 → S-ADD1 pentru a adauga canalul curent in lista de scanare LIST1.

- Apasati M → 26 → S-ADD2 pentru a adauga canalul curent in lista de scanare LIST2.

- Apasati M → 22 → SC-REV pentru a selecta modul de scanare.

Scanare prioritara

Puteti seta un canal de scanare prioritar. In timpul scanarii, 50% din timpul de scanare este alocat canalelor prioritate 1. Daca exista canale prioritate 2, procentul alocat canalelor prioritate 1 scade de la 50% la 25%.

Chiar daca scanarea se afla pe canale fara prioritate sau pe canale prioritate 2, statia continua monitorizarea activitatii canalelor prioritate 1. Daca statia detecteaza activitate pe canalele prioritate 1, va opri transmisia curenta si va apela canalul prioritate 1.

Alarma de urgenta

Alarma de urgenta este utilizata pentru a semnala situatii de urgenta. Puteti initia apeluri de urgenta in orice moment, in orice mod se afla statia radio si chiar daca exista activitate pe canalul curent. Utilizatorii trebuie sa configureze butonul de alarma de urgenta pentru aceasta statie folosind software-ul de programare.

- Apasati tasta de alarma de urgenta pentru a porni

alarma sonora locala si a trimite semnal de alarma la distanta. Tipul de alarma poate fi setat ca alarma locala sau alarma la distanta.

- Iesiti din modul de alarma apasand orice tasta.
- Apasati M → 34 → AL-MOD TONE, statia va emite sunet de alarma si va trimite semnal de alarma la distanta.
- Apasati M → 34 → AL-MOD SITE, statia va emite sunet de alarma.

Radio FM

Apasati tasta F+0 pentru a intra in modul Radio FM.

Apasati tastele Sus si Jos pentru a schimba frecventa sau canalele FM pre-setate.

De asemenea, puteti introduce direct frecventa sau canalul FM folosind tastatura numerica.

Apasati EXIT sau F+0 pentru a iesi din modul FM.

Cautare posturi radio FM

Cautare automata: Apasati tasta F + 2. Statia va cauta automat canale FM si le va stoca (maxim 20 canale).

Cautare manuala: Apasati tasta F + 3. Veti putea cauta manual canalele FM apasand tastele Sus si Jos si le veti putea stoca manual apasand tasta M.

Apasati tasta M pentru a iesi din modul de cautare a posutirlor radio FM.

Daca statia radio receptioneaza sau daca doriti sa emiteti (apasand PTT), modul FM se va intrerupe temporar pana la terminarea comunicatiei.

Receptia canalelor de urgenta meteo

Apasati tasta F + 5 pentru a accesa canalele meteo (10 canale). Accesarea canalelor meteo poate fi dezactivata accesand meniul 49 NOAA_S.

Blocare tastatura

Apasati lung tasta # pentru a bloca/debloca tastele. Cand functia este activa, tastele laterale raman functionale.

Resetare

Accesati meniul 51 RESET.

Alegeti optiunea VFO daca doriti sa pastrati canalele memorate si optiunea ALL daca doriti sa resetati atata parametrii cat si canelele momorate. Apasati tasta M pentru a confirma selectia si asteptati ca statia sa reporneasca.

Apelare canal cu o singura tasta

Apasati tasta F + 9 pentru a trece rapid pe modul apelare cu o singura tasta. Setati canalul preferat pentru apel rapid in meniul 30 1-CALL.

Receptie canale aviatie

Introduceti frecventa de receptie. Daca frecventa aeronautica locala nu este clara, functia de scanare poate scana intreaga banda de frecventa 108-136.

M → 48 → AM ON: Setati modulatia AM pentru a asculta comunicatiile aeronautice. Setarile Meniului 48 sunt valabile numai pentru banda de frecventa 108-136.

M → 48 → AM OFF: Setati modulatia FM.

Specificatii tehnice

Alimentare	Acumulator Li-Ion 7.2V 2200mAh
Canale	200
Memorii posturi radio FM	20
Canale NOAA	10
Stabilitate frecventa	±1ppm
Mod modulatie	FM: 11KΦF3E (12.5KHz), 16KΦF3E (25KHz)
Dimensiuni	60 x 45 x 105 mm
Greutate	243 gr

Temperatura de lucru		-26 ~ 80°C	
Impedanta antena		50Ω	
Receptie			
Sensibilitate FM (12dB SINAD)	F1 (50~76)		-121dBm
	F2 (108~135.9975)		-121dBm
	F3 (136~173.9975)		-123dBm
	F4 (174~349.9975)		-123dBm
	F5 (350~399.9975)		-123dBm
	F6 (400~469.9975)		-123dBm
	F7 (470~599.9975)		-121dBm
Sensibilitate WFM (20dB SINAD)	WFM (76~108)		-110dBm
Sensibilitate AM(10dB S/N)	F2 (108~135.9975)		-113dBm
Frecventa audio		≥0.5W	
Distorsiune audio		≤10%	
Emisie			
Interval frecventa		VHF 144~146MHz	
		UHF 430~440MHz	
Putere de emisie		≤5W	

Curent	≤1.5A
Deviatie maxima frecventa	≤5KHz(25KHz)
	≤2.5KHz(12.5KHz)
Distorsiune modulatie	≤5%
Putere parazita	≤7.5uW
Putere canal adiacent	70dB(25KHz)
	60dB(12.5KHz)
Modulatie reziduala	40dB

Declaratie UE de conformitate simplificata

ONLINESHOP SRL declara ca **Statie radio portabila VHF/UHF PNI P18UV** este in conformitate cu Directivele EMC 2014/30/EU, RED 2014/53/UE si ROHS 2011/65/EU. Textul integral al declaratiei UE de conformitate este disponibil la urmatoarea adresa de internet:

https://www.mypni.eu/products/9796/download/certifications

CTCSS

01	67.0	13	100.0	25	151.4	37	189.9	49	250.3
02	69.3	14	103.5	26	156.7	38	192.8	50	254.1
03	71.9	15	107.2	27	159.8	39	196.6		
04	74.4	16	110.9	28	162.2	40	199.5		
05	77.0	17	114.8	29	165.5	41	203.5		
06	79.7	18	118.8	30	167.9	42	206.5		
07	82.5	19	123.0	31	171.3	43	210.7		
08	85.4	20	127.3	32	173.8	44	218.1		
09	88.5	21	131.8	33	177.3	45	225.7		
10	91.5	22	136.5	34	179.9	46	229.1		
11	94.8	23	141.3	35	183.6	47	233.6		
12	97.4	24	146.2	36	186.2	48	241.8		

DCS

1	D023N	22	D131N	43	D251N	64	D371N	85	D532N
2	D025N	23	D132N	44	D252N	65	D411N	86	D546N
3	D026N	24	D134N	45	D255N	66	D412N	87	D565N
4	D031N	25	D143N	46	D261N	67	D413N	88	D606N
5	D032N	26	D145N	47	D263N	68	D423N	89	D612N
6	D036N	27	D152N	48	D265N	69	D431N	90	D624N
7	D043N	28	D155N	49	D266N	70	D432N	91	D627N
8	D047N	29	D156N	50	D271N	71	D445N	92	D631N
9	D051N	30	D162N	51	D274N	72	D446N	93	D632N
10	D053N	31	D165N	52	D306N	73	D452N	94	D654N
11	D054N	32	D172N	53	D311N	74	D454N	95	D662N
12	D065N	33	D174N	54	D315N	75	D455N	96	D664N
13	D071N	34	D205N	55	D325N	76	D462N	97	D703N
14	D072N	35	D212N	56	D331N	77	D464N	98	D712N
15	D073N	36	D223N	57	D332N	78	D465N	99	D723N
16	D074N	37	D225N	58	D343N	79	D466N	100	D731N
17	D114N	38	D226N	59	D346N	80	D503N	101	D732N
18	D115N	39	D243N	60	D351N	81	D506N	102	D734N
19	D116N	40	D244N	61	D356N	82	D516N	103	D743N
20	D122N	41	D245N	62	D364N	83	D523N	104	D754N
21	D125N	42	D246N	63	D365N	84	D526N	105	D023I

DCS

106	D025I	127	D132I	148	D2521	169	D411I	190	D546I
107	D026I	128	D134I	149	D255I	170	D412I	191	D565I
108	D031I	129	D143I	150	D261I	171	D413I	192	D606I
109	D032I	130	D145I	151	D263I	172	D4231	193	D612I
110	D036I	131	D152I	152	D265I	173	D431I	194	D624I
111	D043I	132	D155I	153	D266I	174	D432I	195	D627I
112	D047I	133	D156I	154	D271I	175	D445I	196	D631I
113	D051I	134	D162I	155	D274I	176	D446I	197	D632I
114	D053I	135	D165I	156	D306I	177	D452I	198	D654I
115	D054I	136	D172I	157	D311I	178	D454I	199	D662I
116	D065I	137	D174I	158	D315I	179	D455I	200	D664I
117	D071I	138	D205I	159	D325I	180	D462I	201	D703I
118	D072I	139	D212I	160	D331I	181	D464I	202	D712I
119	D073I	140	D223I	161	D332I	182	D465I	203	D723I
120	D074I	141	D225I	162	D343I	183	D466I	204	D731I
121	D114I	142	D226I	163	D346I	184	D503I	205	D732I
122	D115I	143	D243I	164	D351I	185	D506I	206	D734I
123	D116I	144	D244I	165	D356I	186	D516I	207	D743I
124	D122I	145	D245I	166	D364I	187	D523I	208	D754I
125	D125I	146	D246I	167	D365I	188	D526I		
126	D131I	147	D251I	168	D371I	189	D532I		

Warranty certificate

The warranty period for natural persons is 24 months as of the delivery date for the manufacturing and material defects.

The warranty period for legal entities is 12 months as of the delivery date for the manufacturing and material defects.

The commercial warranty shall not impair the consumer rights provided by the applicable legislation in force, namely Emergency Government Ordinance 140/28.12.2021 on certain issues related to contracts for the sale of goods, the Government Ordinance 21/1992 on the consumer protection as subsequently amended and supplemented by Law 296/2004 on the consumption code as subsequently amended and supplemented.

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Certificat de garantie

Perioada de garantie pentru persoane fizice este de 24 luni de la data livrarii pentru defectele de fabricatie si de material.

Perioada de garantie pentru persoane juridice este de 12 luni de la data livrarii pentru defectele de fabricatie si de material.

Garantia comerciala nu afecteaza drepturile consumatorului prevazute prin legislatia aplicabila in vigoare, respectiv Ordonanta de Urgenta 140/28.12.2021 privind anumite aspecte referitoare la contractele de vanzare de bunuri, OG 21/1992 privind protectia consumatorilor cu modificarile si completarile ulterioare si Legea 296/2004 privind codul consumului cu modificarile si completarile ulterioare.

Scanati codul QR pentru a descarca versiunea PDF multilingva a certificatului de garantie:

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