danita®

http://www.midtkom.dk

CB Radio user manual

Contents

Usermanual

SPECIAL WARNINGS

⚠ Please read the following precautions to prevent fire, personal injury or the product's destruction.

⚠ Do not attempt to set the radio while driving; it might be dangerous.

⚠ This product is designed for 12V or 24V DC power supply.

⚠ Do not place the radio on an excessively dusty, damp or unstable surface.

⚠ Do not connect the antenna during transmission, risk electric shock.

⚠ Please keep the distance from devices that cause interference (such as TV, generator, etc.)

⚠ People who use pacemakers are advised to keep distance from the antenna during transmission and especially not to touch it.

⚠ Do not approach metal objects to the internal electrical side pf the radio; danger of electric shock.

⚠ Avoid exposing the radio to temperatures below -26°C and above +80°C. The temperature inside a vehicle may sometimes exceed +80°C, which can cause irreparable damages to electric devices. Do not expose the radio to direct sunlight.

⚠ Do not place anything on the radio, it will prevent it from cooling down.

⚠ Check if you have the vehicles battery charged enough to avoid its quick discharge.

⚠ It is important to turn the radio off before starting the engine, to avoid damages caused by high starting voltage.

⚠ You must use a 5A 250V type F fuse. No not use a fuse with higher value.

⚠ If an abnormal smell or smoke is detected as coming from the radio, switch off the appliance immediately.

⚠ Do not transmit for a long time, the radio may warm up.

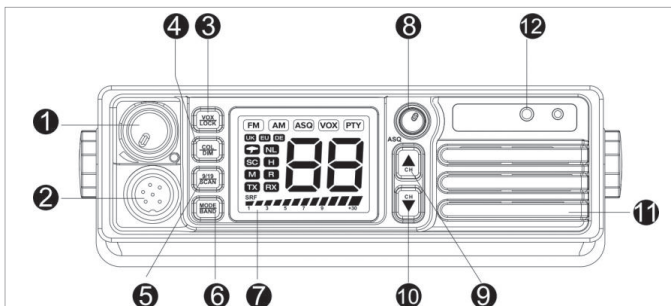⚠ Keep the radio away from children.

OTHER WARNINGS:

Before you connect or use this product, please read these operating instructions carefully. Keep this user manual for future use.

Before using the radio, please connect the antenna. Check the SWR before transmitting. A too high SWR can lead to the destruction of the internal components of the radio, which are not covered by the guarantee.

None of the inner components of the radio can be repaired by the user. In case of damage, contact an authorized centre.

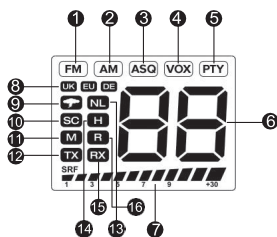To prevent the risk of fire, use only the recommended power supply.

No.		Short press/Rotation	Long press
1	On/off/volume knob	Rotate to the right to turn the radio on Keep turning to the right to adjust the volume Rotate to the left to turn the radio off	–
2	6-pin microphone connector	–	–
3	VOX/Lock	Activate the VOX function	Activate the Lock function
4	COL/DIM	Change the brightness of the screen	Change the color of the screen backlight
5	9,19/SCAN	The radio switches to the emergency channels	Activate the Scan function
6	MODE/BAND	Switch between AM/FM	Change the frequency band
7	LCD screen	–	–
8	SQ	Turn clockwise to change Squelch level	–

9	CH+	Change the channel number up	Quickly change the channel number up
10	CH-	Change the channel number down	Quickly change the channel number down
11	Speaker		
12	Earphone 2 pin connector		

DISPLAY

1	FM - active FM band	9	The function is not active
2	AM- active AM band	10	SC - Scan function active
3	ASQ - Automatic Squelch function is active (activate by pressing the ASQ button on the microphone)	11	M - the function is not active
4	VOX - active VOX function	12	TX - it lights up when you transmit
5	PTY - emergency channels active	13	NL - the function is not active
6	Selected channel number	14	H - the function is not active
7	Signal level when transmitting	15	RX - it lights up when you receive
8	Selected standard	16	R - the function is not active

5

INSTALLATION INSTRUCTIONS

Check the radio and all its accessories before installation.

Power the radio with the lighter plug included in the package. The radio must be powered at 12V or 24V. The fuse mounted on the power cord protects the radio against damage caused by technical defects or wrong polarity. If the fuse is burned, first remove the cause and then replace it using the F5A 250V type. Check the correctness of the connections before starting the radio. Make sure there is no risk of short circuiting.

Home use

Use the radio at home only with a stable power supply capable of supplying at least 3A at 12V/24V. Unstable voltage sources or battery chargers are not recommended as it can cause damage. Connect the red wire to the positive terminal (+) and the black wire to the negative terminal (-) of the power supply.

Antenna installation

Connect the CB antenna to the antenna connector on the rear panel of the radio. The antenna must be tuned for the CB band. Use for this an S-meter. For a good communication distance, the SWR must be less than 2. A high SWR value may damage the antenna or the cable or it may short circuit the antenna connectors. Never transmit without an antenna.

Note: The antenna must be mounted away from other antennas or sources of interference. The CB antenna is usually mounted on the highest point of the vehicle on a metal surface. A larger metal surface is essential for the operation of the antenna. For installation on fiberglass or plastic cabs, use special antennas.

Turn the radio on/off

First, check the power supply of the radio. Then turn the volume knob to the right to start the radio. The current channel number will appear on the screen.

Turn the volume knob to the left to stop the radio.

Volume +/

When the radio is on, turn the volume knob left or right to adjust the volume to the desired level.

Channel +/

Press the CH+ and CH- buttons on the radio or the ▲ and ▼ buttons on the microphone to change the channel number. Long press one of these buttons to quickly switch channels.

Adjust the brightness and the color of the screen

Briefly press the COL/DIM button to change the color of the screen backlight. Options: off (without backlight), blue, red, cold green, purple, cyan, warm green, light blue.

Long press the COL/DIM button to adjust the brightness of the screen. Two levels of intensity are available (100% and 50%).

VOX/LOCK

Briefly press the VOX/LOCK button to activate VOX mode. The VOX symbol will flash on the screen. Press again briefly to exit VOX mode.

Long press the VOX/LOCK button to activate the Lock function. The LC symbol will briefly appear on the screen, followed by the current channel number. All keys on the radio and on the microphone are now locked. Press this button once again to exit Lock mode. The OF symbol will appear on the screen.

Note: If you close the radio, the Lock function will automatically deactivate when you restart.

SQ

Turn the SQ knob clockwise until you hear a click. The manual Squelch adjustment mode is now active. Continue to rotate the knob until you get the desired level of filtering of noise.

ASQ

Briefly press the ASQ button on the microphone to activate the ASQ function. The ASQ symbol will light on the screen. Press and hold the ASQ key on the microphone again to select the level. 5 levels are available (01-05).

9,19/SCAN

Briefly press the button 9,19/SCAN. The PTY symbol will flash on the screen. Channel number 09 will appear on the screen. Briefly press the 9,19 button again to switch to channel 19. Press the 9,19 button again briefly to return to normal operating mode. PTY will disappear from the screen.

Long press the 9,19/SCAN button to activate the SCAN function. The SC symbol will light on the screen. Use the CH+ or CH- buttons on the radio or the ▲ and ▼ buttons on the microphone to decied the channel scan direction.

Note: If the RX symbol is lit on the screen, meaning the radio is on the reception, the SCAN function will not work. Turn the Squelch knob slightly to the right. The RX symbol will disappear from the screen. Reactivate the SCAN function by long pressing the 9,19/SCAN button.

MODE/BAND

Briefly press the MODE/BAND button to switch between AM and FM mode. If you are in the UK band, briefly press this button to quickly switch to the CE band and vice versa, from the CE band to the UK band.

Changing the standard

Long press the MODE/BAND button to change the frequency band corresponding to your country. Use the CH+ or CH- buttons to find the desired band, then press the PTT key or restart the radio to confirm and save.

Reset

When the radio is turned off, press and hold the VOX/Lock button while turning on the radio (by turning the volume knob). The radio enters the reset mode. The rE symbol will appear on the screen. Press the PTT key or restart the radio to complete the reset procedure.

Available stanadrds

Norm	Frequency (MHZ)	Channels	Country	EMG (9/19)
EU	26.965-27.405	40CH (4W) AM/FM	AT, BE, BG, CH, CY, DK, EE, ES, FI, FR, GR, HR, HU, IE, IS, IT,	CH09: 27.065MHz AM/FM CH19: 27.185 AM/FM
			LT, LU, LV, NL, NO, PT, RO, SE, SI	
CE	26.965-27.405	40CH (4W) FM only	RO, MT	CH09: 27.065MHz FM CH19: 27.185MHz FM
UK*	27.60125-27.99125	40CH (4W) FM only	UK	CH09: 27.68125MHz FM CH19: 27.78125MHz FM
PL	26.960-27.400	-5KHZ 40CH (4W) AM/FM	PL	CH09: 27.060MHz AM/FM CH19: 27.180MHz AM/FM
I0	26.965-27.405	40CH (4W) AM/FM	IT	CH09: 27.065MHz AM/FM CH19: 27.185MHz AM/FM
I2	26.965-26.955	34CH (4W) AM/FM	IT	CH09: 27.065MHz AM/FM CH19: 27.185MHz AM/FM

dE	26.965-27.405	01CH-40CH (4W) AM/ FM	DE	CH09: 27.065MHz AM/FM CH19: 27.185 AM/FM
	26.565-26.955	41CH-80CH (4W) FM only		
In	26.965-27.275	27CH (4W) AM/FM	IN	CH09: 27.065MHz AM/FM CH19: 27.185MHz AM/FM

* In the UK norm, to quickly switch to the CE norm, briefly press the MODE/ BAND key. CE appears on the screen. Press the MODE/BAND key again to return to the UK norm.

11

TECHNICAL SPECIFICATIONS

General

General	
Frequency range	26.965 - 27.405 MHz (according to the set multistandard mode)
Channels	max. 80 AM/FM (according to the set multistandard mode)
Frequency control	PLL
Power voltage	12/24 VDC ±5%
Duty cycle	100% (Standby)
Dimensions	187 x 56 x 85 mm
Weight	786 gr
Usage temperature	-26°C ~ +80°C

Transmitter	
Frequency control	PLL synthesized
Maximum RF output power	4W @ 12 VDC/24 VDC
Modulation	2 KHz ±0.2%KHz(FM)
Antenna impedance	50Ω
Current drain	max. 1.8A

Receiver	
System	Double conversion superheterodyne
Intermediate frequencies	1st: 10.7MHz/2nd:450Hz
Sensitivity	0.5 μV (AM), 0.25 μV@12Db(FM)
Audio output power	3W @ 8Ω (10% distortion)
Distortion	<5% @ 1kHz
Image rejection	70dB
Adjacent channel selectivity	≥60 dB
Signal/noise ratio	45 dB
Current drain	max. 800mA

EU Declaration of Conformity

In accordance with EU Directives and Regulations

XINWEI ELECTRONIC CO.LTD QUANZHOU
Add: WAN AN TANG XI INDUSTRIAL AREA QUANZHOU FUJIAN CHINA
as the manufacturer, hereby declares under our sole responsibility that
product(s): CB RADIO
Model name: Danita 4000 Multi, (customers' model)
is in conformity with the essential requirements of the Radio Equipment Directive 2014/53/EU:

Radio   EN 300 433 V2.1.1
Article 3.2

EMC   EN 301 489-1 V2.2.1
Article 3.1(b) EN 301 489-13 V1.2.1

Safety   EN 60950-1
Article 3.1(a)

Health
Article 3.1(a) EN IEC 62311:2008

The notified body Bay Area Compliance Labs Corp.(BACL) (EU Identification Number: 1313)
performed a conformity assessment according to Annex III, Module B.
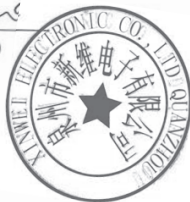
Signed on behalf of XINWEI ELECTRONIC CO.LTD QUANZHOU

Nany Yuerhone

(Signature of authorized person)
Name: Wang, Yuezhong
Title: Manager
Date: 2024-1-8

CE Marking

This radio is marked **C E 0700 ⨀** adjacent to the serial number.

CE DECLARATION

CE Declaration
CE versions of the 4000 which display the CE symbol on the product label, comply with the essential requirements of the European Radio and Telecommunication Terminal Directive 2014/53/EU.

This warning symbol indicates that this equipment operates in non-harmonised frequency bands and/or maybe subject to licensing conditions in the country of use.
Be sure to check that you have the correct version of this radio or the correct programming of this radio, to comply with your national licensing requirements.
This unit can be used without license and charges in; Austria, Belgium, Bulgaria,Cyprus, Czech, Denmark, Estonia, Finland, France,Germanay, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania,Luxembourg, Malta, Netherlands, Norway, Poland,Portugal,Pomania,Slovakia, Slovenia, Spain, Sweden, Switzerland, and U.K.

WEEE REGULATIONS

Waste electrical products must not be disposed of with household waste. This equipment should   be taken to your local recycling center for safe treatment.

Des produits électriques de rebut ne doivent pas être débarassés avec la perte de ménage. Cet équipement devrait être pris à votre centre de ré utilisation local
pour le traitement sÃr.

Die Elektronik-Schrottverordnungverlangt, dass elektronische Gerate, wenn sie nicht' mehr gebraucht werden, nicht über den normalen HausmÃll entsorgt werden, sondern bei öffentlichen Sammelstellen abgegeben werden sollen. Sollten Sie Ihr Gerat einmal nicht mehr benötigen, dann

geben Sie es z.B. bei den kommunalen
Sammelstellen zum kostenlosen Recycling ab. Sie helfen damit dem
Umweltschutz und ermöglichen die Wiederverwendung wertvoller Stoffe aus dem
Elektronik-Recycling. Nicht mehr benötigte Batterien oder Akkus entsorgen Sie bitte entleert!

I prodotti elettrici non piÃutilizzabili non devono essere deposti nei rifiuti domestici. E' importante consegnare tutti i materiali ad un appropriato centro di riciclaggio per un trattamento sicuro.

Los productos eléctricos inútiles no se deben disponer con la basura de la casa. Este equipo se debe llevar su centro de reciclaje local para el tratamiento seguro

Os produtos eléctricos irrecuperÃveis nÃo devem ser colocados juntamente com o lixo doméstico.   Estes,deverÃo ser colocados em locais destinados a reciclagem para tratamento seguro e apropriado