



Portable CB radio

Tragbares CB-Funkgerät

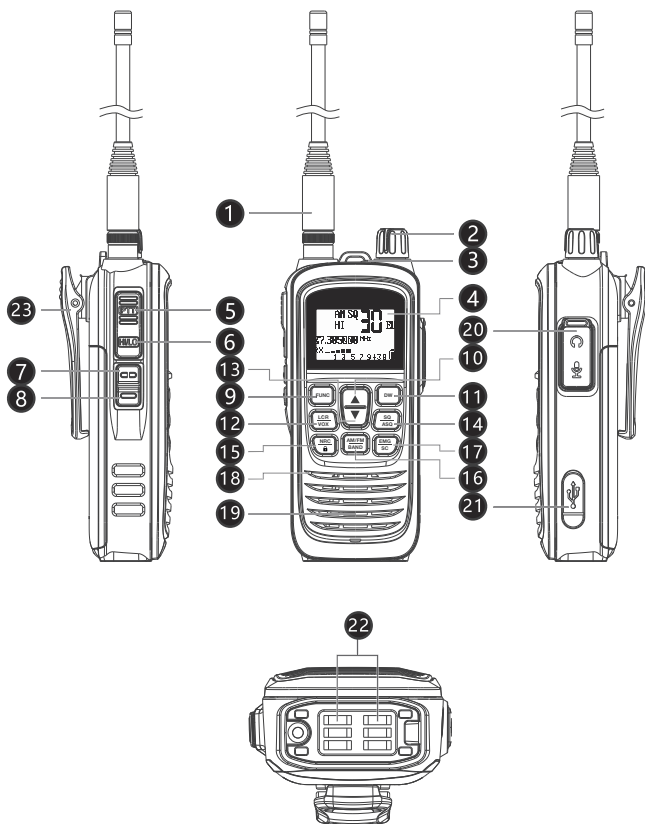
USER MANUAL

Safety warnings

- Read the following warnings to prevent fire, personal injury, or damage to the CB radio or antenna.
- Do not try to adjust the CB radio while driving, it is dangerous.
- Do not position the CB radio on an excessively dusty, wet or unstable surface. Do not connect the antenna during transmission, risk of burns or electric shock. Keep your distance from devices that create interference (such as: TV, generator, etc.)
- Those who use pacemakers are advised to keep their distance from the antenna during transmission and especially not to touch it.
- Do not bring metal objects close to the internal electrical part of the CB radio; danger of electric shock.
- Avoid exposing the CB radio to temperatures lower than -26°C and higher than $+80^{\circ}\text{C}$. The temperature inside a vehicle can sometimes exceed 80°C , which can cause irreparable damage in case of prolonged exposure.
- Do not expose the CB radio to sunlight for a long time.
- Do not put anything on the CB radio, it will prevent it from cooling down. Check if you have a sufficiently charged car battery to avoid a rapid discharge.
- It is important to stop the CB radio before starting the engine, to avoid damage caused by the high voltage at start-up.
- When replacing the fuse, you must use a fuse of the same type as the original one. If an abnormal smell or smoke comes out of the CB radio, turn off the power immediately.
- Do not transmit for a long time, the CB radio may heat up and malfunction.

Important note! In some countries it may be necessary to present the license that will certify the right to use the CB band. Please check the local legislation and the table at the end of the manual.

Keys and functions



	Description	Short press	Long press
1	Antenna		
2	Volume On/Off		
3	Status LED		
4	LCD screen		
5	PTT	Transmission	
6	HI/LO	High/low power selection	
7			Backlight On/Off
8		Monitor	
9	FUNC	Menu	
10	▲	Increase channel number	Continuous increase in channel number
11	DW	Enable/Disable Dual Watch	Dual Watch setting
12	LCR/VOX	Last channel recall	VOX control
13	▼	Decrease channel number	Continuous decrease in channel number
14	SQ/ASQ	SQ/ASQ level selection	Switch between SQ/ ASQ
15	NRC/LOCK	Enable/Disable NRC (Noise Reduction Circuit)	Key lock
16	AM/FM/BAND	Switch between AM/FM	Band selection
17	EMG/SC	Emergency channel	Enable/Disable channel scanning
18	MIC		
19	Speaker		
20	2 pins PNI-K headset connector		
21	USB-C port for battery charging		
22	Belt clip		

Usage instructions

Turn the radio on/off

Turn the knob on the top of the CB radio [2] clockwise to turn it on. The CB radio starts from the previous mode of use.

Turn the knob on the top of the CB radio [2] counterclockwise to turn it off.

Volume control

After turning the CB radio on, continue to turn the knob [2] to adjust the volume to the desired level.

Channel selection

Briefly press the **CH ▲** or **CH ▼** key to increase or decrease the channel number, until you reach the desired channel.

Long press the **CH ▲** or **CH ▼** key to quickly increase or decrease the channel number.

Squelch (SQ) level selection

Briefly press the **SQ/ASQ** [14] key. On the screen, the SQ icon and the digits corresponding to the level flash. 25 levels of manual squelch are available, from 00 (squelch off) to 25 (highest level).

When the digits corresponding to the level are flashing, press the **▲** or **▼** keys to select the desired level.

To confirm the selection, press the **SQ/ASQ** key or wait 5 seconds.

Automatic squelch (ASQ) level selection

Long press the **SQ/ASQ** [14] key to switch to ASQ mode. On the screen, the SQ icon becomes ASQ.

On the screen, the ASQ icon and the digits corresponding to the level flash. There are 5 levels of manual squelch available, from 01 (the lowest

level) to 05 (the highest level). When the digits corresponding to the level are flashing, press the **or** keys to select the desired level.

To confirm the selection, press the **SQ/ASQ** key or wait 5 seconds.

AM/FM selection

Press the **AM/FM/BAND** [16] key to switch between AM and FM. The corresponding icon will appear on the screen.

Note: Not all standards support both types of modulation. If the band you are in does not support AM or FM, pressing the **AM/FM/BAND** key will not produce any change.

Emergency channels (9/19)

Press the **EMG/SC** [17] key to switch to channel 09. The EMG icon appears on the screen.

Press the **EMG/SC** key again to switch to channel 19.

Press the **EMG/SC** key again to exit Emergency mode. The EMG icon disappears from the screen.

Key lock

Long press the **NRC/LOOK** key to activate the key lock function. The icon appears on the screen. When pressing any key you will hear a warning beep and the icon will blink. All radio's keys are locked, except the PTT key.

Long press again the **NRC/LOOK** key to disable the key lock function. The icon will disappear from the screen.

Channel scan

Long press the **EMG/SC** [17] key. The SC icon blinks on the screen. The channel scanning starts immediately.

During scanning, you can press the **or** key to change the scanning direction. Long press the **EMG/SC** key or the PTT key to stop scanning. The SC icon disappears from the screen.

Channel scan

Briefly press the **HI/LO** [6] key on the side of the CB radio to change between high (4 W) and low (1.5 W) transmission power. The HI or LO icon will appear on the screen.

Dual Watch

Long press the **DW** [11] key. The DW icon and the digits corresponding to the channel blink on the screen. Press the or key to choose the second channel you want to monitor. Press the **DW** key again to save and exit.

To activate the Dual Watch mode, briefly press the **DW** key. The two channels set for simultaneous monitoring will be displayed successively on the screen. The DW icon is blinking. Short press the **DW** key to exit.

NCR (Noise Reduction Circuit)

Briefly press the **NRC/LOOK** [15] key to activate the background noise reduction function. The NRC icon appears on the screen.

Briefly press the **NRC/LOOK** key again to disable the NRC function. The NRC icon disappears from the screen.

LCR (Last Channel Recall)

Briefly press the **LCR/VOX** [12] key to return to the last channel you stayed on for more than 5 seconds. Press **LCR/VOX** again to return to the original channel.

VOX

Long press the **LCR/VOX** [12] key to activate the VOX function. The VOX icon appears on the screen.

By activating the VOX function, you can transmit without pressing the PTT key. The VOX sensitivity level can be set from the menu.

Long press the **LCR/VOX** [12] key to disable the VOX function. The VOX icon disappears from the screen.

Menu

Key beep

Briefly press the **FUNC** key [9] to access the menu. The icon and the current setting (On or Off) blink.

Press **CH ▲** or **CH ▼** to change the setting:

On - key beep enabled (the icon appears on the screen)

Off - key beep disabled (the icon disappears from the screen)

VOX level

Press the **FUNC** [9] key twice to access the VOX menu.

On the screen, the VOX icon and the digits corresponding to the level blink. Press the **CH ▲** or **CH ▼** key to change the VOX level. There are 5 levels available:

01 - low VOX sensitivity

05 - high VOX sensitivity

Roger Beep

Press the **FUNC** [9] key three times to access the Roger Beep menu. The icon and the current setting (On or Off) blink.

Press **CH ▲** or **CH ▼** to change the setting:

On - roger beep enabled (the icon appears on the screen)

Off - roger beep disabled (the icon disappears from the screen)

TOT (Timeout timer)

Turn off the CB radio.

Hold down the **AM/FM/BAND** key [16] while restarting the CB radio. "150 TIME OUT TIMER" appears on the screen. Use the **CH ▲** or **CH ▼** keys to set the maximum continuous transmission time.

With the CB radio turned off, hold down the SQ/ASQ [14] key while turning back on the radio. The message Rest Default and the firmware version will be displayed on the screen.

After the reset, the CB radio returns to the factory settings.

Standard selection

Long press the **AM/FM/BAND** [16] key. The icon corresponding to the current standard blinks on the screen. Press the **CH ▲** or **CH ▼** key to change the standard.

Short press **AM/FM/BAND** to save and exit or wait 5 seconds.

Check the Bands and frequency table at the end of this manual.

Frequency range	26.965 MHz – 27.405 MHz
Frequency tolerance	±300 Hz
Power supply	12 V (by the car adapter) 7.4 V ±0.4 V (by battery)
Emission power	4 W AM/FM
Consumption	< 1.3 A
Frequency response	300–3000 Hz
Distortion	< 8 %
Impedance	50 Ω
Reception sensitivity	0.25 uv @ 12 dB
Interference rejection	60 dB
Audio power	1 W
Operating temperature	–26 °C ~ +80 °C

Konformitätserklärung

EU-declaration of conformity



Hiermit erklären wir,
We hereby declare

Maas Elektronik – Peter Maas
Heppendorferstr. 23
D-50189 Elsdorf (Deutschland)

dass sich das Gerät
that the following product

Geräteart: CB Funkgerät AM / FM
Product type: CB radio AM / FM

Typenbezeichnung: **Maas KCB-H1000**
Type designation: Maas KCB-H1000

in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 2014/53/EU und 2011/65/EG befindet.
is in compliance with the essential requirements and other relevant provisions of directive 2014/53/EU and 2011/65/EC

EN 301489-1 V2.2.3 , EN 301489-13 V1.2.1
EN 300433 V2.1.1
EN 62368-1:2014+A11:2017
EN 62311:2008

Elsdorf 19.7.2023

The image shows a handwritten signature in black ink that reads 'Peter Maas'.

Verantwortlicher:

Authorized representative:

Peter Maas

Inhaber / CEO

Notes / Notizen

Notes / Notizen



maas funk-elektronik

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