MIDLAND

M5-PRO

INSTRUCTIONS

USER MANUAL

About this guide

The content in this document is for information purpose and is subject to change without prior notice. We made every effort to ensure that this User Guide is accurate and complete. However, no liability is assumed for any errors and omissions that may have occurred. The manufacturer reserves the right to change the technical specifications without prior notice.

Thank you for choosing Midland products!

M5-PRO,
The multifunction CB.

The CB in the mike that rewrites the rules: unique in its category!!

The **M5-PRO** is a versatile transceiver that can be used both as a **mobile station** in a vehicle and as a **base station** with a DC power supply, making it adaptable to a variety of communication needs.
The distinctive feature of the **M5-PRO** is the integration of **controls directly into the microphone**, significantly simplifying its operation and allowing quick access to the main functions without having to interact with the main unit.
The large **1.85" FSTN display** ensures **excellent visibility in all lighting conditions and viewing angles**, keeping the screen information clear and easy to read even in bright environments or at night.
Additionally, the **M5-PRO** complies with the latest **European regulations for the Citizens Band (CB)** and is **compatible with the main European frequency bands**, allowing unrestricted use in **all European Union countries**.
The future of the CB is right here, in the palm of your hand.

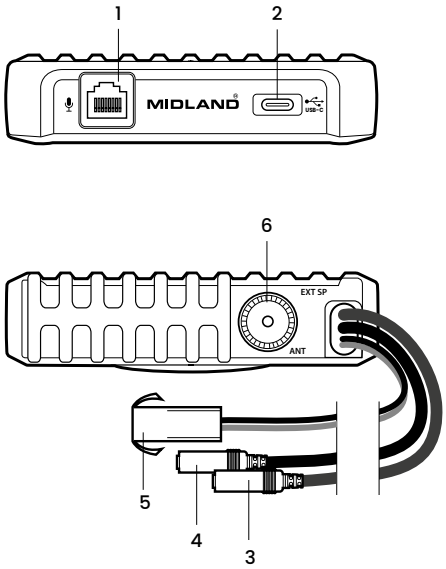
PACKAGE CONTENTS

- CB transceiver
- Microphone with controls
- Mounting bracket
- Screws for bracket
- Microphone holder
- Cigarette lighter plug

FEATURES

- Multi-standard transceiver with multi-function microphone
- 1.85" FSTN graphic display
- Frequency range: 26.565 - 27.99125 MHz (covers all approved EU bands)
- Output power: 4W
- Backlight microphone buttons
- Channels scan
- S/Meter in transmission/reception
- Display backlight is adjustable in 7 different colours
- Analog Squelch adjustable in 10 levels
- Digital Squelch adjustable in 5 levels
- Selectable dual speaker (transceiver and microphone)
- Front USB-C port for charging (max 2A - 5V)
- RF gain adjustable in AM and FM modes
- Quick access to emergency channel 9/19
- Volume and power control knob
- Keypad beep
- Keypad lock
- External speaker jack
- PA (public address) function jack
- Dual watch function
- Automatic noise cancelling (ANC)
- VOX function adjustable in 5 different levels

OVERVIEWS OF PARTS

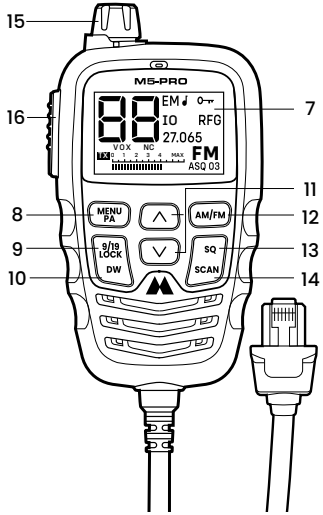


Radio

1. **Microphone jack.** Connection for the multi-function microphone
2. **USB-C port** (max 2A - 5V) for device charging

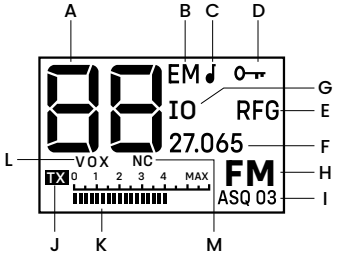
Rear panel

3. **External speaker jack** (EXT-SP). Allows you to connect external loudspeaker (the internal loudspeaker is excluded)
4. **PA function jack** (public address). Allows you to connect an external loudspeaker as an audio-amplifier
5. **Power supply cable** (Red and Black) with cigarette lighter plug
6. **Antenna connector**: SO239 type



Microphone

7. **LCD display**
8. **MENU/PA button.** ***Short press:*** accesses the radio menu. Press it again to scroll through the different menu pages. ***Long press:*** activate/deactivate the PA function
9. **9/19_LOCK button.** ***Short press:*** cycles between emergency channels 9, 19, and the current channel. ***Long press:*** activates/deactivates the keypad lock
10. **Dual watch button** (DW). ***Short press:*** monitors two channels simultaneously
11. **▲/▼ arrows**. Change channel or navigate between the options
12. **AM/FM button (AM/FM).** ***Short press:*** changes the emission mode (AM/FM).
13. **SQ (Squelch) button**. ***Short press:*** accesses the Squelch level adjustment, both manual and digital. ***Long press:*** switches the Squelch mode between manual, digital, and monitor open (MON)
14. **SCAN button**. Short press: start the automatic channel scan and it stops on the busy one
15. **Power/Volume knob** (PWR/VOL). ***Turn the knob clockwise*** to power on the device. ***Turn the knob counterclockwise*** until you hear a "click" to power off the device. ***Turn clockwise or counterclockwise*** to adjust the volume
16. **PTT button**. ***Hold down:*** transmit on the current channel. ***Release:*** return to receive mode



Display

A. Channel number
B. **EM** - Emergency channel (9/19) / **SC** - Channel scan active / **DW** – Dual Watch
C. Roger beep active
D. Keypad lock active
E. **RFG** - RF Gain (signal attenuation)
F. Operating frequency
G. CB band in use
H. AM/FM mode
I. Squelch mode indicator
J. TX/RX Indicator (transmit/receive)
K. S/Meter indicator (signal strength in TX/RX)
L. VOX active
M. **NC** - Automatic noise cancelling (ANC)

INSTALLATION

When installing the device, it is essential to carefully select its placement to **ensure maximum safety** during use.
Make sure the device is mounted in a position that does **not compromise the safety** of the user or other occupants and does not pose a hazard in the event of collisions, sudden manoeuvres, or accidents.
The display must be clearly visible, without distracting the user from driving or other primary activities. Likewise, the controls should be easily reachable and operable, without requiring complex movements or diverting attention from the surrounding conditions.
Proper installation not only improves the ergonomics and usability of the device but also helps prevent potential safety risks.
Thanks to the included **12V** power cable with cigarette lighter plug, the **M5-PRO** does not require fixed installation in the vehicle like traditional CB radios. It can be **easily placed anywhere in the vehicle**, even in a hidden spot, since the function buttons are integrated directly into the microphone and not on the main body of the radio.

POWER SUPPLY

To power the device properly, connect the cigarette lighter cable to the vehicle's electrical outlet (cigarette lighter socket). Before making the connection, carefully ensure that the vehicle provides a **12-Volt** power supply.

Warning: This device is not compatible with 24-Volt electrical systems.

Precautions:

- **Nominal voltage:** Never exceed the device's nominal voltage (12V). Connecting it to a higher voltage system could cause damage.
- **Cable integrity:** Before and during use, ensure that the cable is free from excessive bends, cuts, abrasions, or damage to the insulating sheath. Avoid using the device if the cable appears damaged.
- **Heat protection:** Do not place the cable near heat sources.
- **Safe installation:** During installation and use, ensure the cable does not come into contact with moving or mechanical parts of the vehicle (e.g., pedals, levers, gears).

ANTENNA CONNECTION

Installing the CB antenna

To ensure efficient and safe operation of the CB transceiver, it is crucial to properly install the antenna and verify its correct electrical and mechanical setup. Below are detailed instructions for correct installation and tuning.

Connecting the antenna to the device:

1. Carefully connect the antenna plug to the **ANT socket** located at the back of the CB unit.
2. Ensure the connector is securely tightened and free of mechanical play and/or oxidation.

To correctly identify the socket's location, refer to Point 6 of the illustrative diagrams in this manual.

Installing the antenna

- Ensure the antenna is designed to operate on the 27 MHz CB band.
- Only use antennas compatible with this frequency, preferably pre-tuned or easily adjustable.
- Proper calibration is essential to prevent signal loss and protect the device from damage caused by power reflections.

Optimal antenna placement

For effective transmission and to reduce interference, proper antenna placement is critical:

- Install the antenna as far as possible from other antennas, metal structures, electrical systems, or electronic devices that may cause interference.
- In vehicles, the ideal position is the highest possible point, such as the centre of the roof, allowing for maximum signal propagation.
- The antenna must be mounted on a sufficiently large metallic surface to ensure an effective ground plane.

Technical note: *If the vehicle is made of non-conductive materials (e.g., fiberglass, plastic, or has accessories like deflectors), it is necessary to use antennas designed to work without a ground plan.*

Check using an SWR meter

To assess the efficiency of the antenna system and ensure that radio waves are being transmitted correctly, it is essential to use a Standing Wave Ratio (SWR) meter. Connect the SWR meter between the radio and the antenna, following the manufacturer's instructions.

Take the measurement by briefly transmitting and noting the SWR value:

- The **ideal** SWR ratio should be as close as possible to **1:1**
- The **maximum** acceptable value should not exceed **2:1**

An SWR value higher than 2 indicates a problem with the antenna system and may result in poor performance or even damage to the transmitter. In this case, you should:

- Check the integrity of the coaxial cable.
- Inspect the connections: make sure the connectors are tight and free from oxidation.
- Evaluate the grounding of the system.

Precautions

- Never transmit without an antenna connected: the absence of a load on the RF *output may cause permanent damage to the transmission circuit.*
- *Only use properly tuned, high-quality antennas.*
- *Do not use damaged or excessively long coaxial cables without appropriate compensation.*

OPERATION

Power on/off and volume adjustment

Turn the **PWR/VOL knob** clockwise to power on the CB radio.

Once the device is on, rotate the **PWR/VOL knob** clockwise or counterclockwise to adjust the volume to your preference.

To power off the radio, turn the **PWR/VOL knob** fully counterclockwise until you hear a "click," indicating the unit has been turned off.

Modulation type (AM/FM)

The device allows you to select either AM (Amplitude Modulation) or FM (Frequency Modulation) mode, depending on your listening preferences or compatibility requirements.

Mode selection:

- Briefly press the **AM/FM button** to toggle between the two modes.
- The selected mode will be shown on the LCD display.

Channel selection

The device allows communication over multiple channels. To ensure proper communication between two or more devices, all units must be tuned to the same channel.

Channel selection procedure:

- Turn on the device by rotating the **PWR/VOL knob** clockwise.
- Use the ▲/▼ on the microphone to scroll through the available channels until you find the desired one.
- The selected channel number will be displayed on the LCD screen.

Tip: *To avoid interference, choose a less commonly used channel.*

Squelch adjustment

Squelch eliminates background noise when no signal is being received. By properly adjusting the Squelch level, you can improve listening quality.
At first startup, the device is configured by default with the **automatic Squelch mode (ASQ)** set to **level 03**.

Changing Squelch mode

To change the Squelch mode:

- Press and hold the **SQ button** for about 2 seconds.
- Use the ▲/▼ buttons to change the Squelch mode.
- Once the desired level is selected, you can:
  - Press the **PTT (Push-to-Talk) button** to immediately confirm the selection,
  - Or wait a few seconds, after which the selection will be automatically saved.

The active mode will appear in the lower right corner of the display and will cycle through the following options:

- **ASQ** - Automatic Squelch
- **MON** - Monitor
- **SQL** - Analog Squelch

Once the desired mode is selected, you can adjust its level as follows:

1. Briefly press the **SQ button** to access level adjustment.
2. Use the ▲/▼ buttons to increase or decrease the level.
3. Once the desired level is selected, you can:
   - Press the **PTT (Push-to-Talk) button** to immediately confirm the selection,
   - Or wait a few seconds, after which the selection will be automatically saved.

Available levels for each mode

The level options vary depending on the active Squelch mode:

- **MON (Monitor)**: Continuous listening mode; level adjustment is not available.
- **SQL (Analog Squelch)**: Allows **adjustment through 10 levels**, from 01 (low threshold) to 10 (high threshold).
- **ASQ (Automatic Squelch)**: Allows selection among **5 automatic levels**, optimized to adapt to environmental conditions.

Emergency channel

The device includes a quick-access feature for emergency channels, specifically designed to allow immediate communication in critical or emergency situations. Channels 9 and 19 are international CB standards commonly used for emergency or priority communication:

- **Channel 9**: emergency and rescue calls .
- **Channel 19**: frequently traffic, accidents, and road condition updates.

This feature allows rapid selection of these channels without having to scroll manually through all available ones.
To quickly access preset emergency channels:

4. Press the **9/19-LOCK button once** to select **Channel 9** (blinking on display).
5. Press the **9/19-LOCK button a second time** to switch to **Channel 19** (blinking on display).
6. Press the **9/19-LOCK button a third time** to return to the previously used channel.

Keyboard lock

The keyboard lock function is designed to prevent accidental key presses during transport or when using the device in motion.

Activating keyboard lock:

- Press and hold the **9/19-LOCK button** for 2 seconds.
- A padlock icon 🔒 will appear on the LCD screen as confirmation.

All keys will be disabled except the transmit button (**PTT button**), the power and the volume knob (**PWR/VOL**).

Deactivating keyboard lock:

- Press and hold the **9/19-LOCK button** for 2 seconds.
- The padlock icon 🔒 will disappear, and all keys will return to normal function.

Tips:

- *In shared environments, activating the lock can prevent unintentional changes by unauthorized users.*

Scan Function

The scan function allows the transceiver to automatically monitor all available channels, stopping on active ones to facilitate listening to ongoing communications. This enables users to quickly identify conversations without manually selecting each channel.

To activate this function:

1. Briefly press the **SCAN button** until the ***"SC"*** icon appears on the screen.
2. The radio will begin scanning all available channels in sequence, automatically stopping on a channel when it detects an active transmission.
3. To stop the scan, briefly press the **SCAN button** again.

Note: *The scan will resume after the end of a transmission by pressing the up or down arrow, unless it is manually deactivated.*

During scanning, you can change the direction:

- **Press the** up-arrow **button** to scan forward (towards higher-numbered channels).
- **Press the** down arrow **button** to scan backward (towards lower-numbered channels).

Dual Watch (DW)

The Dual Watch function allows the radio to monitor two channels simultaneously, automatically switching between them to detect any active transmissions.

To activate DW mode:

1. Briefly press the **DW button.**
2. The display will show ***"DW"***, indicating that the function is active.
3. The radio will begin alternating monitoring between:
   - The currently selected channel
   - A second preset channel, which can be changed through the settings menu

If an active transmission is detected on either channel, scanning will automatically stop, allowing for listening and transmission on that channel.

Setting the Second Channel

- **By default**, the second DW channel is set to **channel 10.**
- This channel can be changed via the radio's settings menu.
- Detailed instructions are available in the "**Menu Functions**" chapter of this manual.

Note: *When DW mode is active, some other functions may be temporarily limited (e.g., auto scan or manual channel selection). To deactivate DW mode, press the DW button again.*

PA (public address) function

The PA (Public Address) function allows the radio to be used as an external audio amplifier, turning it into a high-power voice communication system.

To activate PA mode:

1. Press and hold the **MENU/PA button** for about 2 seconds.
2. The display will show an indication confirming that PA mode is active.
3. Connect an external speaker (not included) to the appropriate rear port of the radio, labelled PA.
4. Once activated, any voice transmission through the microphone will be broadcast directly through the external speaker, amplified, and not transmitted via radio.

Operating notes

- *In PA mode, the radio does not transmit or receive radio signals. It is solely dedicated to voice amplification.*
- *To deactivate the PA function and return to normal mode, press the MENU/PA button again for 2 seconds.*
- *Make sure the external speaker is properly connected and is compatible in terms of impedance and power with the radio's technical specifications.*

Important: Do not use the PA function without a connected speaker, as this may damage the device's audio output circuit.

Connecting an External Speaker

The device is equipped with a 3.5 mm mono jack located at the back of the unit, allowing the connection of an external speaker.
When the speaker plug is inserted, the device automatically detects the connection and disables the internal speaker, redirecting audio output to the connected speaker.

Precautions

- *Only use external speakers compatible with the specified requirements (3.5 mm mono jack).*
- *Do not force the plug: make sure the connector is inserted correctly and gently.*
- *If there is no audio, check that the plug is properly connected and that the external speaker is functioning correctly.*
- *To restore audio to the internal speaker, simply remove the external speaker plug.*

Changing the CB standard (frequency band selection)

The transceiver is designed to operate on multiple frequency bands, in compliance with regulations in different countries.
Since each nation may adopt specific CB standards that regulate frequency ranges, transmission power, and modulation modes (AM/FM), it is essential to configure the radio correctly before use to comply with local laws and avoid interference or penalties.
This function allows manual selection of the frequency band corresponding to the standard of the country where the device is used, ensuring compatibility and legal operation.
The selection procedure is simple and guided, allowing the user to change the band directly from the device without external software.

Setup procedure:

1. Press and hold the **PTT** and **AM/FM buttons** simultaneously.
2. The display will show the active CB standard (refer to the table).
3. Use the up or down arrow buttons on the microphone to select the desired band.
4. Press **PTT button** to confirm.
5. The display will show the frequency corresponding to the selected band.

Frequency band table

Code	Country	Available band
I0	Italy	40 CH AM/FM 4 Watt
I2	Italy	34 CH AM/FM 4 Watt
de	Germany	40 CH AM 4 Watt + 80 CH FM 4 Watt
In	International	27 CH FM 4 Watt
EU	Europe	40 CH AM/FM – 1 Watt AM / 4 Watt FM
CE	Europe	40 CH FM
UK + I0	United Kingdom	40 CH FM (UK frequencies) + 40 CH AM/FM 4 Watt (I0 band)
PL	Poland	40 CH AM/FM 4 Watt

Note: In the UK band, a short press of the AM/FM button has no effect.
A long press allows switching from the UK band to the I0 band, where you can then select either AM or FM mode.

Factory Reset

The factory reset function is useful for restoring the radio to its original state as provided by the manufacturer.
A reset is particularly recommended in the following cases:

- Persistent or abnormal malfunctions of the device
- Configuration errors that are not easily identifiable
- Change of user or use of the radio in a new operational context
- Full reset before selling or transferring the device

Reset Procedure:

1. Press and hold the **PTT (push-to-talk)** and **SQ buttons** simultaneously.
2. While holding both buttons, turn on the radio by rotating the **PWR/VOL knob**

clockwise.
3. After a few moments, the word Reset will briefly appear on the display, confirming that the reset has been completed.

***Warning*:**
- *All user data and configurations will be permanently deleted*
- *Be sure to note down any important settings before proceeding*
- *After the reset, the device will be immediately ready for use in EC mode, compliant with European CB standards*

MENU FUNCTIONS

Keyboard Beep

The keyboard beep function generates a short sound (beep) each time a button on the radio is pressed.
How to enabled/disabled the function:
- Briefly press the **MENU/PA button** to access the configuration menu and the option related to the keyboard beep.
- Press the **▲/▼ button** to enabled/disabled the setting (ON, OFF).
- Press the **PTT button** to confirm or wait a few seconds for the selection to be automatically saved.

Roger Beep

When the PTT (push-to-talk) button is released, at the end of each transmission, a tone is emitted to indicate to your counterpart that they can start speaking.
This function is disabled by default, but it can be enabled/disabled in the following way:
1. Briefly press the **MENU/PA button** to access the configuration menu.
2. Press the **MENU/PA button** a second time to reach the Roger Beep option.
3. Press the **▲/▼ button** to enabled/disabled the setting (ON, OFF).
4. Press the **PTT button** to confirm or wait a few seconds for the selection to be automatically saved.

Dual Watch

The **Dual Watch** function allows the device to monitor two channels alternately, offering the possibility to simultaneously keep an eye on a primary and a secondary channel.

How to enabled/disabled the function:
1. Briefly press the **MENU/PA button** to access the configuration menu.
2. Press the **MENU/PA button** twice to reach the option for selecting the secondary channel for Dual Watch.
3. Press the **▲/▼ button** to select the secondary channel (from 1 to 40).
4. Press the **PTT button** to confirm or wait a few seconds for the selection to be automatically saved.

VOX

The VOX function allows **voice-activated transmission** without pressing the **PTT (push-to-talk) button**. Transmission is triggered simply by speaking into the microphone.
This device has 5 VOX levels (OFF, 1, 2, 3, 4, 5) selectable through the menu.
Level 5 has the lowest VOX sensitivity, and level 1 has the highest.

How to adjust VOX sensitivity:
1. Briefly press the **MENU/PA button** to access the configuration menu.
2. Press the **MENU/PA button** 3 times to reach the VOX setting.
3. Press the **▲/▼ button** to select the desired level (OFF, 1, 2, 3, 4, 5).
4. Press the **PTT button** to confirm or wait a few seconds for the selection to be automatically saved.
5. Once activated, icon 30 will appear on the LCD screen as confirmation.

***Tip*:** *In noisy environments, use a lower sensitivity level to avoid unintentional activation.*

VOX Delay Setting

The VOX Delay function is directly related to the activation of automatic VOX (Voice Operated Transmission).
This parameter determines the amount of time that should pass after speaking before the transmission stops, preventing short pauses in conversation from prematurely cutting off communication.

Three delay levels are available:
- **Level 1:** Short delay
- **Level 2:** Medium delay
- **Level 3:** Long delay

How to adjust VOX delay:
- Briefly press the **MENU/PA button** to access the configuration menu.
- Press the **MENU/PA button** 4 times to reach the VOX Delay setting.
- Press the **▲/▼ button** to select the desired level (1, 2, 3).
- Press the **PTT button** to confirm or wait a few seconds for the selection to be automatically saved.

Gain Control (RF Attenuation)

The device is equipped with an RF Gain adjustment function, which reduces receiver sensitivity and improves listening quality even in the presence of strong signals.
This mode allows for advanced management of the received signal control, providing the user with precise control over the receiver's behaviour through 7 preset digital attenuation levels.
- **Level 1** = Minimum attenuation (maximum sensitivity)
- **Level** 7 = Maximum attenuation (minimum sensitivity)

The higher the set level, the stronger the incoming signal must be to be received correctly.

Setting procedure:
1. Briefly press the **MENU/PA button** to access the configuration menu.
2. Press the **MENU/PA button** 5 times to reach the gain control setting.
3. Press the **▲/▼ button** to select the desired level (OFF, 1, 2, 3, 4, 5, 6, 7).
4. Press the **PTT button** to confirm or wait a few seconds for the selection to be automatically saved.

***Tip*:**
- *Excessive gain adjustment (e.g., level 7) may prevent the reception of legitimate signals, especially from more distant or lower-powered stations.*
- *Always ensure a proper balance between audio quality and operational range.*

Backlight Colour Selection

This function allows customization of the LCD screen backlight colour, offering better adaptability to user preferences or usage conditions.
Seven selectable colours are available:

- Blue (default)
- Green
- Red
- Cyan
- Purple
- Yellow
- Light Blue

Setting procedure:

1. Briefly press the **MENU/PA button** to access the configuration menu.
2. Press the **MENU/PA button** 6 times to reach the backlight colour selection setting.
3. Press the ▲/▼ **button** to select the desired colour.
4. Press the **PTT button** to confirm or wait a few seconds for the selection to be automatically saved.

Usage tip:

- *In dark environments, colours like red or purple reduce glare and are less straining on the eyes.*
- *In bright environments, colours like yellow or light blue may offer better contrast.*

Timed Backlight

The timed backlight function automatically lights up the display for a limited time whenever a button is pressed or a transmission is received.

How to enabled/disabled the function:

1. Briefly press the **MENU/PA button** to access the configuration menu.
2. Press the **MENU/PA button** 7 times to reach the timed backlight setting.
3. Press the ▲/▼ **button** to enable/disable the setting (ON, OFF).
4. Press the **PTT button** to confirm or wait a few seconds for the selection to be automatically saved.

Backlight Brightness Adjustment

This function allows you to adjust the LCD screen brightness to improve visibility in different lighting conditions.
You can choose from 3 brightness levels:

- **Low**: Minimal backlight.
- **Medium**: Default setting.
- **High**: Maximum backlight.

Adjustment procedure:

1. Briefly press the **MENU/PA button** to access the configuration menu.
2. Press the **MENU/PA button** 8 times to reach the backlight brightness setting.
3. Press the ▲/▼ **button** to select the desired level (LOW, MED, HI).
4. Press the **PTT button** to confirm or wait a few seconds for the selection to be automatically saved.

Tip:

- *It is recommended to use the lowest level in low-light conditions to reduce eye strain.*

- *When using the radio in direct sunlight or very bright environments, select the highest level for clear screen visibility.*

Audio output mode

The device allows you to select the audio output source based on operational preferences or the usage environment. Three modes are available:

- **ALL** (default): Audio is output from both the built-in speaker of the radio body and the microphone speaker
- **MAIN**: Audio is output only from the radio body speaker
- **HAND**: Audio is output only from the microphone speaker

Adjustment Procedure:

1. Briefly press the **MENU/PA button** to access the configuration menu.
2. Press the **MENU/PA button** 9 times to reach the audio output mode setting.
3. Press the ▲/▼ **button** to select the desired output mode (ALL, MAIN, HAND).
4. Press the **PTT button** to confirm or wait a few seconds for the selection to be automatically saved.

Note: *The selected mode may affect audio clarity in noisy environments or the user experience depending on the microphone's position.*

Automatic Noise Cancelling (ANC)

The device features Automatic Noise Cancelling (ANC), designed to significantly improve voice transmission quality, especially in noisy or mobile environments.
This technology actively filters out unwanted background noise, allowing your voice to be transmitted more clearly, cleanly, and intelligibly to the listener.
This feature is particularly useful for:

- Reducing background noise to nearly imperceptible levels.
- Enhancing speech intelligibility even under challenging acoustic conditions.
- Improving effectiveness in professional communications (e.g., transport, heavy vehicles, industrial environments).
- Enabling reliable communication without needing to raise your voice.

Setting Procedure:

1. Briefly press the **MENU/PA button** to access the configuration menu.
2. Press the **MENU/PA button** 10 times to reach the automatic noise cancelling setting.
3. Press the▲/▼ **button** to enable/disable the setting (ON, OFF).
4. Press the **PTT button** to confirm or wait a few seconds for the selection to be automatically saved.

TECHNICAL SPECIFICATIONS

Frequency Range*	26.565–27.99125 MHz
Dimensions	110 x 105 x 27 mm
Weight	545 g
Power Supply Voltage	12 V
Max. Power Consumption	2 A
Operating Temperature Range	-10 to +55 °C
Antenna Connector	UHF, SO-239
Frequency Error	< ±300 Hz
TX Power Output	4 Watts
Duty Cycle (% over 1 hour)	TX 5% / RX 5% / Stand-by 90%
Spurious Emissions	< 4 nW (-54 dBm)
Adjacent Channel Power	< 20 µW
FM Deviation	1.9 kHz
AM Modulation Index	85–90%
RX Sensitivity	Better than 1 µV
Image Rejection	70 dB
Adjacent Channel Rejection	60 dB
Dual Audio Output	3 Watts (8 Ohm) radio body 2 Watts (16 Ohm) microphone
Frequency Response	300–3000 Hz

*Considering all approved European frequency bands.
Specifications are subject to change without notice.
A suitable disconnection device must be provided in the electrical installation.
This device must disconnect both poles simultaneously.


MIDLAND