

# XT-10

WALKIE-TALKIE PMR446

› Instruction guide



\* Depending on terrain



up to  
**4Km\***

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PUT YOURSELF IN ACTION



## Main functions

- Frequency: 446.00625 – 446.09375
- Channels: 16 (8+8 pre-programmed)
- 38 CTCSS tones
- Power: 500mW ERP
- Vox function
- Alphanumeric LCD Display
- CALL tone
- Scan function
- Operating temperature -20° to +55°
- Weight: 73 gr
- Dimensions: 85x30x48mm
- Category: B

## What's in the box

- 2 x XT10 transceivers
- 2 belt clips

## Coverage

The maximum range depends on terrain condition and is obtained during use in an open space.

The only limitation to maximum possible range are environmental factors such as blockage caused by trees, buildings, or other obstructions. Inside a car or a metallic constructions, the range can be reduced. In open space, without obstructions and in sight, like for example in mountain, the **coverage can reach 4 Km.**

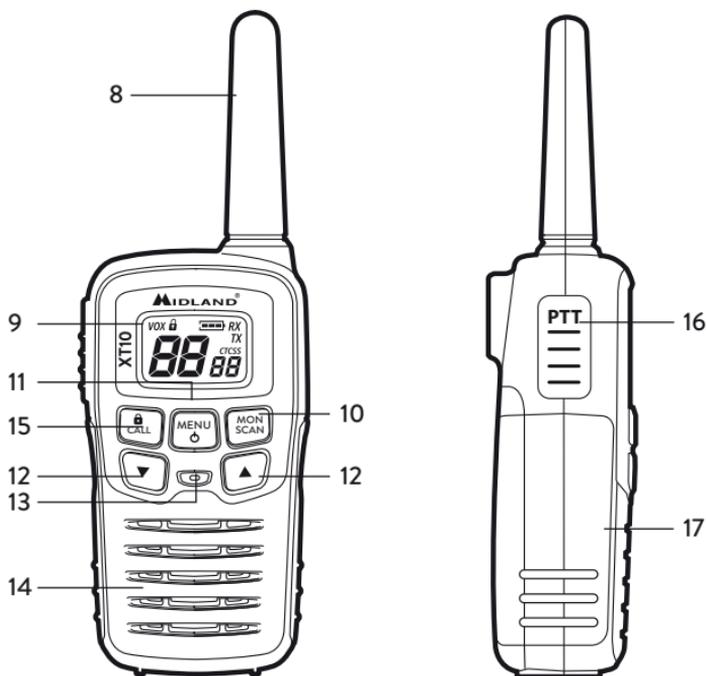
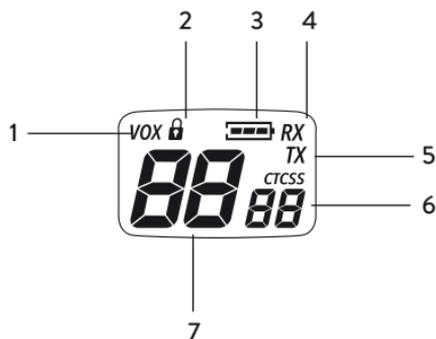
# Above all....Safety!

## Warnings

! Do not open the radio for any reason! The radio's precision mechanics and electronics require experience and specialized equipment; for the same reason, the radio should under no circumstances be realigned as it has already been calibrated for maximum performance. Unauthorized opening of the transceiver will void the warranty.

! Do not use detergents, alcohol, solvents, or abrasives to clean the equipment. Just use a soft, clean cloth. If the radio is very dirty, slightly dampen the cloth with a mixture of water and a neutral soap.

# Description of the controls and functions



1. **VOX function activated**
2. **Appears when the keypad lock is activated**
3. **Battery level**
4. **It is displayed when the radio is receiving a signal**
5. **Appears when the radio is transmitting (PTT pressed)**
6. **Indicates the selected CTCSS tone**
7. **Indicates the selected channel**
8. **Antenna**
9. **LCD Display**
10. **MON/SCAN.** With this button you can enable/disable the Scan and Monitor functions
11. **MENU/⊙:** Press this control to turn on/off the unit and to enter the radio's menu.
12. **▲/▼:** use these buttons to adjust the volume, select the channels and functions
13. **Microphone**
14. **Speaker**
15. **📞/CALL.** Press this button to lock the keypad and to send out a call signal.
16. **PTT button**
17. **Battery and battery compartment.** The transceiver accepts 3 x AAA alkaline/rechargeable batteries. To open the battery compartment, hold the unit face down and slide the cover.

# Let's communicate!

## To turn on/off the radio

Hold down **MENU/⓪** for 3 seconds.

## Channel selection

Press once the **Menu** button and then select the desired channel by the **▲/▼** buttons. Press **PTT** to confirm the selection. Remember that both radios must be set on the same channel.

## Transmission

Keep pressed the **PTT** button. “**Tx**” and “**to**” will blink on the display. Release the **PTT** and the radio beeps to confirm to other users that your transmission has finished (‘Roger Beep’, see paragraph).

## Reception

Simply release the **PTT** button. When you receive a signal “**Rx**” is displayed.

## Volume adjustment

Press the **▲/▼** to adjust the volume at the desired level.

## 🔒 button / CALL function

### Keypad lock

This feature is very useful to avoid accidental pressure of the buttons. Press and hold the “**🔒/CALL**” button for more than 3 seconds. The **🔒** confirms that the keypad lock is activated. Only **PTT** and the long pressure of **Menu** will still be active. Repeat the same procedure to unlock the keypad.

### Sending an audio signal (CALL)

By pressing **🔒/CALL**, you will send an audio signal to other users on the same channel.

## Menu button

The following functions can be selected by pressing the **Menu** button:

- VOX
- Roger Beep on/off
- Channel setting
- CTCSS tone setting
- Keypad Beep on/off

## VOX function

The VOX function lets you open the transmission by voice without the use of the **PTT** button.

Push the **Menu** button for three times; “**VOX**” will be displayed and ‘**oF**’ will blink. Select ‘**on**’ by means of the ▲/▼ buttons and then press the **PTT** button to confirm.

### To disable the VOX mode

Press the **Menu** button for three times. “**On**” blinks on the display. Select ‘**oF**’ by means of the ▲/▼ buttons and then push **PTT** to confirm.

## Roger Beep: End transmission tone

When the **PTT** is released the radio will beep to confirm to other users that your transmission is finished. This feature is enabled by default.

### To disable it:

1. Press the **Menu** button till the display shows “**rb on**”
2. Select “**oF**” by means of the ▲/▼ buttons.
3. Confirm your selection by pushing the **PTT** button.

## Channel setting

Press once the **Menu** button and then select the desired channel by the ▲/▼ buttons. Press **PTT** to confirm the selection.

## CTCSS sub-audio tone setting

The CTCSS sub-tones, are code numbers (from 1 to 38) that can be added to the first 8 channels in order to create a new private channel. You can add up to 38 codes to the channels named from P1 to P8. For example if you add the CTCSS sub-tone “27” to the channel “P3” you will obtain the new channel “P327” that will be able to communicate to other transceivers only if they will be set on the same channel and sub tone.

**To activate 38 different CTCSS sub-tones follow these steps:**

1. Turn on the radio.
2. Press the **Menu** button and select with the ▲/▼ buttons one of the 8 channels (from P1 to P8).
3. Press twice the **Menu** button until the display shows the selected channel with the flashing two CTCSS sub-tone digits (on the right of the channel)
4. Select with the ▲/▼ buttons the desired CTCSS tone (from 1 to 38).
5. To confirm the setting press **PTT**.

Now the radio transmits and receives using the programmed CTCSS sub-tone. If you don't want to use any CTCSS tone, select “**oF**”.

### CTCSS tones displayed on the LCD

When you activate a CTCSS sub-tone, from P1 to P8, you can see the tone on the right side of the channel. For the other channels (from 9 onwards) the CTCSS sub-code is pre-programmed and then “hidden”.

## Keypad beep off

Everytime you press any button, you will hear a beep sound. To deactivate it press **Menu** 4 times. Then select “**oF**” with the ▲/▼ controls and confirm your selection by pushing **PTT**. To enable the beep again, repeat the same procedure and select “**ON**”.

## MON/SCAN

### Monitor function

When this feature is activated, the radio can receive very low and weak signals. This is very useful when you need to talk but the distance is as far as the maximum range possible; with the monitor feature you can extend the coverage of the radio.

The disadvantage is the reception of loud background noises.

**Activation:** Keep pressed **MON/SCAN** till the display shows “**Rx**”.

**Deactivation:** Do the same procedure or switch off the radio

## SCAN function

The SCAN mode monitors the busy channels.

It is used to check the traffic radio on all the channels before transmitting and allows the unit to stop on a channel that someone is talking on. When the radio stops on a busy channel, the scan will resume after about 5 seconds.

### To activate the SCAN function

Push briefly **MON/SCAN**.

### To deactivate it:

Press **MON/SCAN** or **PTT**.

## Automatic power save

XT10 is supplied with an automatic current economy circuit. If the transceiver receives no signal for more than 10 seconds, the “power save function” automatically activates. **The battery life may increase by up to 50 %.**

## Technical specifications

Channels.....	16 PMR446 (8 + 8 pre-programmed)
Frequency.....	446.00625 - 446.09375MHz
Channel spacing.....	12.5 KHz
Power supply.....	3x AAA type 4.5V(Alkaline)
.....	3.6V(Rechargeable) batteries +/- 10% VDC
Operating temperature.....	-20° to +55°
Dimensions (w/out antenna).....	85x30x48mm
Weight (w/out batteries).....	73g
Duty cycle.....	TX 5%, RX 5%, stand-by 90%
Category.....	B

### Transmitter

Output power.....	500 mW ERP
Modulation.....	FM
Spurious rejection.....	within ETSI regulations

### Receiver

Sensitivity @ 12dB Sinad.....	<0,30 $\mu$ V
Adjacent channel rejection.....	70dB
Audio output power.....	~150mW @ 10% THD
Intermediate frequencies.....	1°:21,4 MHz ; 2°:455 KHz

Specifications are subject to change without notice.

### ATTENTION

*Direct plug-in ac/dc power supply must be used for disconnecting the transceiver from the mains; the desktop charger must be positioned close to the unit and easily accessible.*

Prodotto o importato da:

**CTE INTERNATIONAL s.r.l.**

Via. R.Sevardi 7- 42124 Reggio Emilia Italia

[www.midlandeurope.com](http://www.midlandeurope.com)

L'uso di questo apparato può essere soggetto a restrizioni nazionali (per l'uso in Italia, è richiesta una dichiarazione di possesso). Prima dell'uso leggere attentamente le istruzioni.

Produced or imported by:

**CTE INTERNATIONAL s.r.l.**

Via. R.Sevardi 7 42124 Mancasale Reggio Emilia Italy

Imported by:

**ALAN - NEVADA UK**

Unit 1 Fitzherbert Spur Farlington Portsmouth Hants.

PO6 1TT - United Kingdom

[www.nevada.co.uk](http://www.nevada.co.uk)

The use of this transceiver can be subject to national restrictions. Read the instructions carefully before installation and use.

Importado por:

**ALAN COMMUNICATIONS, SA**

C/Cobalt, 48 - 08940 Cornellà de Llobregat (Barcelona - España)

[www.midland.es](http://www.midland.es)

El uso de este equipo puede estar sujeto a la obtención de la correspondiente autorización administrativa. Lea atentamente las instrucciones antes de usar el equipo.

Vertrieb durch:

**ALAN ELECTRONICS GmbH**

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